

Wireless Weekly

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Vol. 32 No. 251

December 16, 1938

(Registered at the G.P.O., Sydney, for transmission by post as a newspaper.)

"Santa Says
FOR BETTER RECEPTION
Replace with"

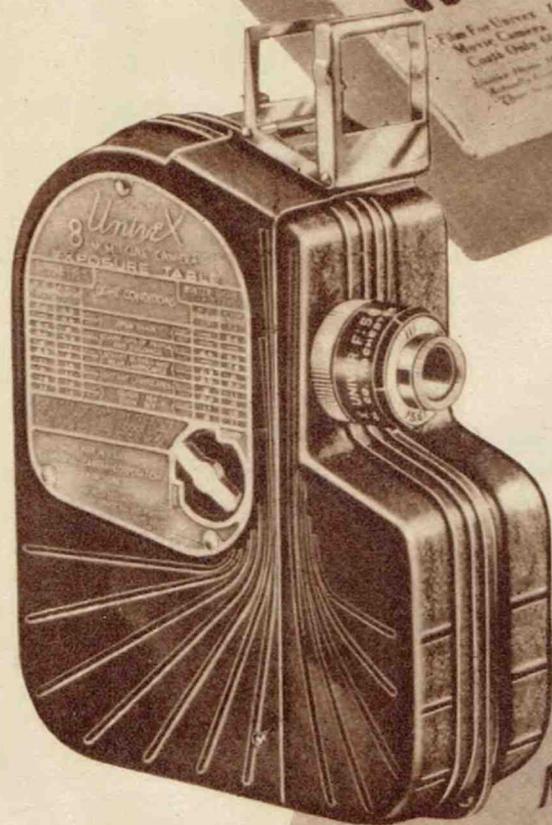


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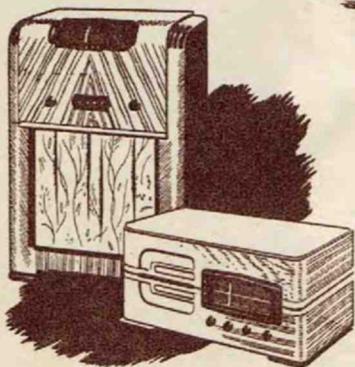
254 CASTLEREAGH STREET, SYDNEY.

178 Rundle Street, Adelaide
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LANNY ROSS, popular star of the American radio and screen, who is now appearing in Columbia Films.

... her heart's in
her home



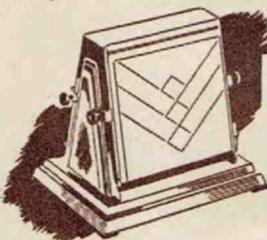
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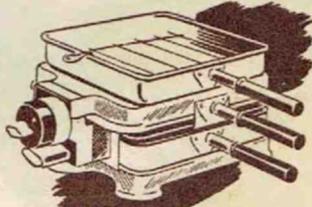
... For her ... be practical at Gift Time ... give her lasting delight ... something of real value to go with your blessings. Here's a word in your ear ... **HOTPOINT.** There's more than a mere thought, there's a plan in it! For Xmas, or for her birthday, give an **ELECTRIC SERVANT** which will continue to "serve" for years ... And what an idea for those who want to be modern and eliminate drudgery from housework by having an all-electric home. Each gift is a step towards the goal!



A PERFECT TIME KEEPER. "Telechron" Electric Clocks obtainable in a wide variety of designs make delightful gifts. From 28/6



This sturdy **HOTPOINT TABLE COOKER** is ideal for quick meals. It grills, fries, and toasts, with 3 heat control. In green or blue porcelain enamel. 75/-



The **HOTPOINT "CHEVRON" TOASTER**, smartly designed to enhance table appointments, in heavy chromium. New type 500-watt mica element, permanently attached flex, 27/8



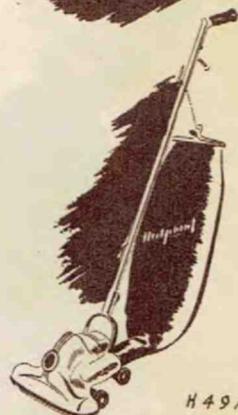
A **HOTPOINT KETTLE** boils right at the afternoon tea or supper table. It can't burn out if the water boils away. From 43/6



The **HOTPOINT JUG**, speedy water boiler, has the simplest, safest and most practical lid possible. Capacity, 3 1/2 pints. In cream and coloured porcelain. AC Model, 26/6; AC/DC, 29/-.



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H 49 A

AUSTRALIAN GENERAL ELECTRIC LIMITED

SYDNEY, MELBOURNE, BRISBANE, ADELAIDE, HOBART.

WELL-KNOWN SYDNEY RADIO PERSONALITIES ARE ASKED THE VITAL QUESTION:

Do You Believe in Father

Barry, 2KA

● I HAVE been asked a question to which, for its latent undergrowth of subtle information gathering, I have deemed it advisable to give full and concrete thought, i.e.: The question is "Do I believe in Father Christmas" (excuse me, I think it's going to rain, dear). Father Christmas, of course, is that sleigh person with the anaemic bird's nest as a facial ornament. Then it follows, as cats a fish cart, that owing to the fact of there being a Mary Christmas, as I know to my cost, it is only natural to assume that there is a Mrs. Christmas. That being the case and hens' eggs being ducks' eggs at 2 bob the square yard, it is safe to say "There is a Daddy Christmas." Q.E.D. quite easily done.

Charles Cousens, 2GB

● YES, of course I do. I can never understand why anybody doubts if there is a Santa Claus when we've seen him work every Christmas. In hundreds of years, all over the world—in Britain and America, in Russia and Germany, in France and Holland—everywhere—they've seen his work. They've not only seen his work—the peace and goodwill shining in people's faces—but they've helped to do his work.

And if you can see a person's work, you know he must exist. In short, what a silly question, "Do I believe in Santa Claus" indeed? Why, of course, I do. Don't you?

Harry Dearth, 2GB

● OF COURSE, I believe in Santa Claus. He's the man that brings you Christmas presents, isn't he? Well, he brought mine a little early, on November 11, to be exact. And a very nice little present it was, too. We're calling it Harriet Jillian Dearth.

Raymond Birmingham, 2GZ

● YES—I do believe in Father Christmas and look forward to his visit more and more as I grow older. Perhaps it is because at heart I am still the little boy who tried to keep awake to see him come down the chimney—somehow sleep always cheated me of that magical experience; but I still experience the exquisite excitement that was mine when I awoke to find my bed massed with the most intriguing packets—Christmas stockings—bonbons—nuts and candy. Yes—Father Christmas is as real to me to-day as he was all those years ago. God bless him... that's why I still hang up my stocking.

Christmas



Dick Fair, 2GB

● ALL my little friends of the children's hour believe in Santa Claus, and what's good enough for them is good enough for me. Anyway, they say that a man is only a child at heart, and as I have no desire to grow old, I prefer to believe in Santa Claus and remain young. Besides, when I was a kid, Santa Claus never let me down, so why should I let him down now by saying I don't believe in him?

Flo Paton, 2UE

● "I BELIEVE in Santa Claus. By that, I mean Santa Claus to me is all the nice things I anticipate in life. Nothing is more beautiful than the belief a child has in Santa Claus. To them it is awe-inspiring to know that he comes down the chimney while they sleep, and then the thrill of awaking to find all kinds of presents. So I wake up each morning hoping, like the child, for a smile from my fellow-men, and good health, which is the best present Santa Claus can give me."

Phil Geeves, 2CH

● OF COURSE there's a Santa Claus. No one's ever told me there isn't one. And if there isn't, who is it that fills my stocking with toys and fruit and nuts and crackers on Christmas morning? You tell me! Anyhow, I'm going to hang it up again this Christmas and I'll keep one eye open just to find out for myself.



John S. Dunne, 2SM

● WELL, fifty thousand "gangsters" believe in him and as I have a few words with him every night over the air—what do you think? Anyhow, fifty thousand "gangsters" can't be wrong.

John Ryan, 2KA

● I HAVE been asked do I believe in Father Christmas. To my questioner I answer, "Yes." I do believe in Father Christmas for many reasons. To elucidate, they are in this order:

(1) Why is it that I always find some glaring monstrosities in the shape of ties, handkerchiefs and shirts upon my dressing-table on Christmas morning? Who could have left them there but Father Christmas?

(2) I believe in Father Christmas—don't stop me, please—I believe in Father Christmas. I wish you wouldn't interrupt—for the third and last time—I believe in Father Christmas, because—well, what would Christmas be without him? Pro bona publico house.

Dom. Harnett, 2SM

● I FEEL this way about it. Kids (even in these modern days) still believe in Father Christmas and, after, all, the majority of us, no matter what our age, are still kids at heart. We like to be able to say at Christmas time, when someone has given us a present and we've been asked from whom it came—"Ah! Father Christmas gave it to me." So that even if our venerable old friend is only a legendary figure, we believe, subconsciously, in Father Christmas. As I said before—that's the way I feel about it.



Bill Beatty, 2SM

● I ASK YOU, can you imagine December 25 without good old Father Christmas? Perish the thought! Anyone who would even harbor such a wicked thought as to consider that the dear old gentleman is unnecessary, superfluous and unwanted should be taken out in the cold, cold snow and hanged on a Christmas tree with nobody to lament his dreadful fate! This old work-a-day world of ours has destroyed enough of our youthful dreams and fancies. Don't let it shatter the most cherished one of all. Long live Father Christmas!

John Wheeler, 2UW

● Of course, I believe in Father Christmas. My mother believed in him, and she taught me all the virtues that go with Christmas Day and the age-old tradition of the little man with the long white whiskers and a red coat.

What was good enough for my mother is good enough for me and for my son and heir. Naturally I believe in Father Christmas.

Continued on Page VIII., Roto Section



NO. 1
KNIGHT BARNETT

MASTERS OF THE ORGAN

NEW NIGHTLY FEATURE ON 2CH

TO introduce Knight Barnett, one of the masters of the organ at 2CH, as a veteran organist and broadcaster may make him seem older than his years, but when one pauses to recall that he was a church organist at the age of 11, and entered broadcasting at its very inception, one realises that he has earned the right to the term of veteran.

Knight Barnett is associated with four other famous organists in the new feature session on 2CH, "Masters of the Organ," broadcast nightly at 6.30. Now at the Roxy Theatre, Parramatta, he is to be heard every Monday night, and he is renewing acquaintances with hosts of listeners, who formed his big following on 2CH a year or so ago.

In passing, it is interesting to note that when 2CH conducted a programme survey to ascertain the entertainment preferences of listeners, the session which came second on the list—and second only to "Fred and Maggie Everybody"—was "Knight Barnett at the organ." Because of his popularity there was an ever-increasing demand for request numbers, and he was hard-pressed to cope with all of them.

Knight Barnett is one of the real veterans of broadcasting, because he joined Broadcasters (Sydney) Ltd. when that organisation put 2BL, Sydney's pioneer radio station, on the air.

"I relinquished public accountancy to enter radio," he said when he answered our questions for this interview. "I always had a leaning towards the organ, though, and I was very proud of my first organ appointment at the age of 11."

On 2BL he did announcing, and helped to conduct the children's sessions in addition to assisting on the musical side of the programmes. It was while there that he received a "fan" letter which has held the record for distance ever since.

"It came from a member of the Royal North West Mounted Police," Knight Barnett recalled. "At the time

of writing he was ice-bound on the border of Canada and Alaska, and he said he tuned regularly to my organ sessions."

The "Mountie" wrote to say how much Knight's playing had helped to break down that feeling of isolation which the R.N.W.M.P. found harder to bear than anything else. In passing, the policeman said he had no idea how long it would take for his letter to reach Australia, for it would have to travel three weeks by dog-sled before it reached the nearest post office!

"I got that letter months afterwards," said Knight. It was when the Capitol Theatre opened in Sydney that Knight Barnett left radio to become its organist. Later on he was engaged to play at the Prince Edward Theatre, being the first Australian organist to appear there. At the Prince Edward Knight Barnett first made the acquaintance of 2CH listeners, who will recall his Sunday night broadcasts from that theatre a few years ago.

Altogether he has played at 11 theatres in Sydney, and in addition he toured New Zealand under engagement to J. C. Williamson, Ltd., appearing chiefly in Auckland and Dunedin.

"It was on my return from New Zealand," said Knight Barnett, "that I joined Western Suburbs Cinemas, and I renewed acquaintance with 2CH listeners at the Palatial Theatre, Burwood. Later on I transferred to the Savoy Theatre, Hurstville, and I broadcast from there for a long period."

Now at the Roxy, Knight Barnett is again on the air each Monday night at 6.30.

On Tuesday nights the broadcast is from the Savoy, with Paul Cullen at the console, and on Wednesday nights James Williams is on the air from the Arcadia Theatre, Chatswood, while on Thursday Norman Robins broadcasts from the Palatial Theatre, Burwood. On Fridays listeners hear the famous American organist, Richard Liebert, in special Thesaurus High Fidelity recordings exclusive to 2CH in N.S.W.

Those Were The Days!

● As Told by GWEN GIBSON
Programme Arranger for 2CH

YES, indeed, those were the days. It's just about 12 years since I started in radio, in the good old days of Farmer's Roof Garden, when they controlled 2FC, and Oswald Anderson was manager.

In those days overseas broadcasts were practically unknown, and Mr. Anderson pioneered the first ones of any major importance. At that time, round about '28, I think it was, we were sufficiently keen and enthusiastic to dash into the studio at 9.30 p.m. Sunday—though the programme didn't actually start until 2 a.m.

I remember the first broadcast from Australia to London; at least, I mean the first one broadcast by the B.B.C. Joseph Hyslop sang, and Stanley Melbourne Bruce broadcast from his home in Dandenong, Victoria. Afterwards, we stood up and beamed out "God Save the King," and felt thrilled to the marrow. About half-an-hour after the broadcast we received a cable from the B.B.C. to say our broadcast had been received and all was well. We didn't leave the studio until about 5.30 a.m., and had to be on duty again at 9 a.m., but we didn't care.

The next morning when I was coming in I felt like patting everybody in the tramcar and saying, "Do you know what we did this morning, you dopes? No, of course you don't."

Oswald Anderson did all sorts of odd broadcasts in those days. He was a real adventurer if ever there was one. He broadcast from a mine and arranged a broadcast from a trawler, too. The broadcast from the trawler was done by Lawrence Halbert. He taught the chief engineer a little jingle to sing when he was introduced at the mike. The chief engineer forgot it as soon as he was confronted by the mike, and all he said, with a distinct Lancashire accent, was, "Oh, blast it!" for all Australia to hear.

All this, you'll realise, was round about 1928. There were no B class stations then. They didn't spring up till round about 1930, when 2BL and 2FC amalgamated, and the Union Theatres formed the Australian Broadcasting Co., which is now the Commission.

I stayed with the A.B.C. in charge of programmes for another two years, and for a while did the Children's Session on Sunday nights. Then the tremendous progress of commercial broadcast-



Gwen
Gibson

ing attracted me. There seemed simply tons of scope, so I came to 2CH as programme arranger.

A programme arranger's job consists in selecting every record played on the station, morning, noon or night. In addition, there are various sponsored sessions which have to be arranged and auditioned. At 2CH we have close on 10,000 records. My job is to know them all—and not only know them all, but to be able to discriminate between the various recordings of the same number, and decide which is most suitable for the occasion.

Basically, music remains the same. I have always maintained that good music is the foundation on which to build a programme. To that add the stimulation of flesh and blood shows—and there you have a programme. I also have my own special feature, "The Orchestral Club," which is presented by Mr. Cochrane on Sunday mornings at 10 o'clock. There I feature the classics and—odious word—good music.

I'm responsible, too, for all copyrights. That's a bit of a nuisance. In addition, we have the well-meaning but misguided listener who rings up in the middle of a session saying, "Please play a polka—I'm learning to dance."

Listeners do not realise the extreme accuracy required in selecting music for certain sponsored sessions where it is so important that programmes should run to the second. To ensure absolute accuracy, stop watches are used in timing—as even 30 seconds over means a complete reconstruction of the programme.

Being programme arranger is like being a traffic policeman in an incessant stream of traffic. It means being on the go all the time.

Radio is a good stimulating game, where you need all your wits about you—but it's one of the cruellest games there are—because, no matter what happens the show must go on—and the moment you are out of it the waters close over your head, and you might never have existed.

Do You Believe in Father Christmas?

John Harper, 2KY

● I MOST CERTAINLY do not believe in Father Christmas. For the last six years I've hung up my stocking with a note, "Dear Father Christmas, Don't leave toys, leave £3200 in notes to get me out of my trouble" . . . but not a zac I've got! It's grown—the debt, I mean, to £4800. . . . This year, I'll try again for the LAST time. If he relents and leaves it, I'll let you know on December 26. From then on I'll give him a cheerio call every night; if not, his reindeers will be in danger of providing venison for the Harper household.

John Walker, 2UW

● CHRISTMAS and Father Christmas to me usually means quite a few presents, in fact, that's about all it does men, although the kids seem to get quite a kick out of it. But I'll believe if you like, because who wouldn't believe in something that is the greatest force for the spreading of goodwill and kindness between men and nations?

Ann MacDougall, 2KA

● CERTAINLY, definitely, absolutely and indisputably. What I mean to say is "Yes." He is quite the nicest old gentleman of the last two thousand years, and, of course, the most popular. I believe in him most fervently; in fact, indulge in no small amount of hero worship for him when I see the effect he has on people. In Pitt Street, for instance, as soon as he appears, solemn, staid, and serious people suddenly rush around, patting each other on the back and saying, "Best Christmas for twenty years." Of course, it isn't. It's only the best one since last Christmas. Often wonder what would happen if he called in at a heated Geneva conference. Wish he would.

Goodie Reeve, 2GB

● WHEN I was young I was told that there was no such person. But since then I've grown wiser. I know that there is a Santa Claus, or rather that the spirit of Santa Claus still lives, and nowhere is this spirit more alive than in broadcasting. All through the year that spirit is abroad helping others, sharing the good things with the less fortunate, extending a helping hand to all. I know from my work on the air. Anyway, I'll be playing Santa Claus myself this Christmas, like thousands of others, distributing all those toys which have been sent in by listeners to bring a merry Christmas to hundreds of children they have never met.



Continued from Page V, Roto Section

Gordon McKillop, 2UE

● AT PRESENT I do not believe in the old gentleman, because I have been disappointed so many times. When I was a child, he actually did exist in my imagination. But, now, well, things can't be so prosperous in Santaland. Maybe I haven't done the right things to get a book full of good marks. However, I haven't lost all faith. I am hoping he will remember me this year, and before I make a definite statement as to my beliefs, I am going to wait until the morning of December 25.

Meg. McSpeerin, 2CH

● I CERTAINLY do believe in Santa Claus. Why? Well, on the League's holiday tour last Christmas, I went to bed on Christmas Eve, after saying I didn't believe in Santa Claus, but when I awoke on Christmas morning, I found my bed covered with gifts. Not a sound did I hear during the night—and they say Santa never makes a sound.



Allan Toohy, 2UE

● "SOME PEOPLE believe in book-makers, others believe that true love never runs smooth, while still others believe that Rome was built in a day, or have I got that wrong? So it is with Santa Claus. Do I believe in him? Well, yes and no. Some years he does right by himself and leaves me that very, very special present I was expecting. At other times he leaves me flat. Maybe I should be a child again. Old Santa was a grand pal in those days."

Brian Maxwell, 2GZ

● ONCE upon a time, many, many years ago, I asked Father Christmas to bring me a drum. It was a very lovely drum, with smart shining knobs and screws and the most painfully beautiful drumsticks that ever a little boy could see. Santa would bring it if I did not play with the fire and poke the hot coals on to the best Axminister rug. Alas . . . I could not resist the forbidden poking and in trying to save the drawing-room rug I burned my fingers badly and wept copiously because even if I got the drum I could not hold those painfully beautiful drumsticks . . . Christmas morning came—and joy of joys—there was my beautiful drum and those excruciating drumsticks . . . Good old Father Christmas—and through all the years, despite my naughtiness, he's always turned up trumps . . . this year he's coming and it's going to be a cuckoo clock.

Joan Orchard, 2GZ

● "DO I believe in Father Christmas? Do I? Ask me again. I certainly do. Why, last year the old darling brought me the duckiest presents, and I'm not sure that he's an old man after all . . . at least not too old to understand that a girl appreciates the 'dainty' things of life. Now this year I'm expecting all sorts of exciting things to happen when he pays me a visit, and if my pillowslip is not brimming over with those exciting little presents I've been concentrating on for weeks—well, all I can say is he'd better not come down Joanie's chimney next year, 'cause he'll get a warm reception."



Rod Gainford, 2UE

● CERTAINLY, I do. One must keep one's illusions, especially these sophisticated days when the youngest child is likely to say to mother—"Be your age; Santa Claus, oh yeah! If daddy believes it, don't disappoint him."—Yes, it is a very good thing to foster one's illusions.

Ian McDonald, 2KA

● DO I believe in Father Christmas? The old man with the sack full of toys? And the long, white, flowing whiskers? And the bright red clothes? And the broad smile on his face? And the team of reindeer to pull his sleigh along? The old gent who scrambles down the chimney without dislodging the soot? And who gets into modern, chimney-less flats, presumably through the keyhole or the service hatch? And who's more or less responsible for the record-breaking sales of indigestion cure during the last week of December? Do I believe in him? Yes!

Doreen McKay, 2SM

● I MOST CERTAINLY do believe in Father Christmas. If I didn't, the wonder would go out of Christmas and I'd begin to think I was growing old and that must never be.

Ken Layton, 2CH

● DO I believe in Father Christmas? Well, after years of waiting up until the wee sma' hours of Christmas morning, creeping about in the dark, knocking ornaments off their perches and finding all the creaking boards in the floor and filling my small daughter's stocking with presents—then pretending to be surprised about them all in the morning, I guess I ought to be a staunch believer.



BROADCAST Gossip

BY JULIA GORDON

LURLINE'S PUPILS

LURLINE FLEMING, of the 2CH Smile Club, looked in on a rehearsal of "Yes, What?" rollicking school-room farce at 2CH, the other morning. Said Lurline: "And how are my pupils this morning?" Phil. Geeves, who happened to be in the studio, replied: "Well, if you mean your eyes—they're wonderful!"

THE RETURN OF THE BULL-ANT

ROD GAINFORD, the 2UE personality, has a permanent camp at Palm Beach, and on a recent week-end when he was cleaning the place up with the pride of a house-owner, he came across a bull-ant hill. He soon discovered that the members of this family were those that had been attacking him previously, so he poured petrol down the hole. But an hour or so later one big fellow returned and bit Rod on the toe. He says that instead of looking around for a bigger hat he is now endeavoring to find a bigger shoe.



At the recent opening of the ballet, 2GB broadcast a running commentary from the foyer. Half hidden by the mike is Harry Dearth, at the mike, Gula Bustabo, the famous violinist, and on the right is Mr. Ian Gillies.

HIS BIRTHDAY

KEN HOWARD, 2KY's race commentator, celebrated a birthday last week. I really shouldn't say "celebrated" because, according to Ken, he had a very quiet day, though someone threw him a party at night. Still in his early twenties, he carries out his job like a veteran.

SHE WAS READY

MRS. JOHN DUNNE, the wife of 2SM's incomparable studio manager, tells this one. "The other day," she said, "I asked the housemaid if, in the case of John bringing anyone home to dinner, she was sure she was quite prepared. 'Why, Mrs. Dunne,' she answered, 'of course I'm prepared. I've had my bag packed all day.'"

AN INSULT

ALAN TOOHEY, of 2UE, was entered in a midget car race at the Show-ground recently, but on trying the vehicle out he found that he couldn't get one large enough, so he was forced to withdraw. However, the racing officials were on their toes, and Alan received a call over the phone the following day to say that they had stripped a Thornycroft lorry for him. Alan replaced the receiver without further comment. I wonder why?

DID YOU KNOW

THAT Ethel Holden, who leads the orchestra and is solo violinist in the 2SM Wednesday night revue at 9 o'clock, was the first woman violinist to broadcast in Australia?



Sir Granville Bantock, eminent English composer-conductor, who is at present visiting Australia for the A.B.C.

AVIATOR-ANNOUNCER WINS SPEED DERBY

ERN, COLLIBEE, 2UW's aviation-announcer, figured prominently in the Aerial Pageant held recently at Macquarie Grove aerodrome, the private drome owned by Captain E. Macarthur Onslow. Apart from handling the announcing, Ern also entered the speed section of the Aerial Derby, and won with flying colors. Then he hopped out of his plane and once more took up the broadcast. He introduced many competitors to listeners, among them Ben Turner, English parachutist, Flight-Lieutenant Coleman, and Brian Monk. These three did a mass parachute descent, Coleman and Monk jumping for the first time.

I've heard of announcers going out for a drink of water between broadcasts, but I've never yet heard of one entering and winning an aerial derby in his spare time.

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Wireless Weekly

SYDNEY: FRIDAY, DECEMBER 16, 1938.

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For 6 months (26 issues) ... 6/6
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RADIO ADVERTISING

CONSIDERABLE interest has been aroused by statements that radio advertising is to be "cleaned up" in the New Year.

It is suggested that Sunday advertising will be abolished or controlled, probably to the extent that musical sessions and plays will be allowed, but with the name of the sponsor being mentioned without any long-winded sales talk about the merit of the product.

As regards ordinary advertising the main object appears to be patent medicine advertising, which is always a potential source of offence. Obviously the advertising of medicines is a very personal matter and needs to receive special care if it is to be completely suitable for broadcasting to all types of listeners and at any time of the day, including meal time.

Our ideas about radio advertising take a rather different angle, however. We feel sure that there are too many advertisements, and we suggest that one of the surest ways for the broadcasting stations to make radio more popular, and to make their radio advertising more effective is to curtail the number of advertisements. This can be done without loss of revenue by amending the rate card so that quarter-hour musical sessions are attractive in price compared to short announcements at increased prices.

We also imagine that stations which persist in "spotting" their big sessions by mentioning them in 25-word announcements about twenty times a day are actually "killing the goose." Hearing the same advertisement repeated a dozen times during the day is certain to result in listeners tuning to some other station.

When advertisements are changed around a bit it isn't so bad, but recently a station put over exactly the same "spotter" at least twenty times one week-end. By the time they were finished they must have driven away every regular listener they ever had.

ATMOSPHERIC IONISATION

By DR. DIETRICH (German Short-Wave Service)

AS has often been pointed out, at times the density of the electrons within the various Layers is subject to severe variations. This accounts for the fact that in both Germany and at the Equator different values have been measured by day and by night. This is true also of the different seasons and years, and is true, of course, in other countries.

Hourly variations have also been discovered. In addition to these daily and yearly variations, which have a close connection with the daily and yearly variations of the sun, there are variations which occur over a long period of time in connection with the eleven-year cycle of the sun. The above-mentioned

sation of the upper layers. Chapman assumed a homogeneous atmosphere and in that way estimated the number of ions. In fact, his method enabled him to estimate accurately at any time of the day or night the ionic content for every degree of latitude. It developed that the results arrived at were in rather complete agreement with the measured values.

OTHER FACTORS

The ultra-violet rays of the sun are not alone responsible for the very strong and layer-like ionisation. The powerful ionisation in the higher air layers is caused mainly by electrons and otherwise by the corpuscles thrown off by the sun. It has been known for a long time that the sun, as a radio-active crucible, influences the planets by means of its rays. The ionising corpuscle rays become especially plentiful when ionised hydrogen atoms are thrown off as a result of the high temperature. The sun has noticeable phenomena on its outer surface about every eleven years, otherwise designated as sun-spots. These "sun-spots" are nearly always crucibles for the eruption of hydrogen, comparable to the activity of a volcano. One has noticed a connection between the appearance of the emission of particles from the sun and the magnetic streams which have been observed on the earth for a long time. When one takes into consideration the speed of the corpuscles necessary to penetrate the various layers of air and to overcome the resistance of the earth in order to even get into our latitude (52), the result attained gives the almost unbelievable value of 5×10^9 volts. Particles flying at such a speed would be capable, due to their penetrating ability, of ionising only the troposphere.

Such is not the case, however, and one must figure on slower rates of speed. These are, nevertheless, still great enough to be able to ionise the layers under the E-layer in the northerly polar latitudes. Ionisation variations in the polar latitudes are observable particularly at a time when the sun manifests a powerful electron activity. That is the reason for the observation in northerly regions of a connection between the appearance of magnetic storms and abnormal ionisation. The heaping-up of loaded particles in the atmosphere over the polar cap along with the magnetic activity at that point, appears to be the cause of the unfavorable radio-technical conditions. Of course, it is possible at times of particularly powerful activity for particles to reach even lower degrees of latitude. Then there are the northern lights, too. Attention need only be called to January 26, 1938, when northern lights of great brilliancy were observed over all of Central Europe as far as the Balkans. Wireless connections of every kind were made impossible. We shall later hear more about the observations made in the polar circle for the purpose of pointing out the connection between the activity of the sun and magnetic abnormalities.

THE "WIRELESS WEEKLY"

MONSTER

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values of the degree of ionisation are herewith to be considered as the average, because the degree of ionisation during these years of maximum sun-spot activity is considerably greater. Aside from these periodic variations one can also observe a daily increase of density some hours after sundown.

ULTRA-VIOLET ACTION

One is no doubt justified in concluding that such ultra-violet rays emanating from the sun, as are produced in the ozone at a height of about 100 kilometres, include a substantial part of the ioni-

A NEW SERIES

By "FUGUE"

LIVES OF THE MASTERS

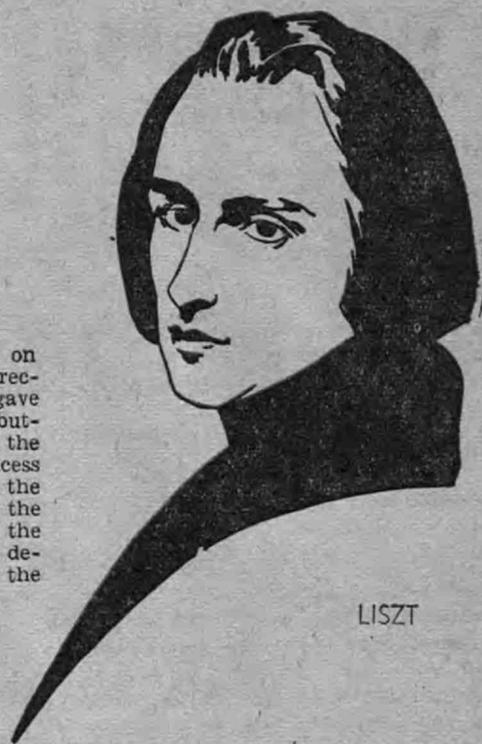
No. 2: LISZT, 1810—1886

OF Hungarian descent, Franz Liszt was born on the Austrian estate of the Hungarian nobleman, Count Esterhazy, at Raiding, near Vienna; his father a land-steward in the Count's employ. At an early age Liszt showed precocious gifts as a pianist, and was taken by his father—a keen amateur pianist and violinist—to the Count's palace to display his prowess. The Count was impressed, and a fund was subscribed to enable Liszt to receive proper musical training; his father gave up his post with the Esterhazys to devote himself to his son's career. After studying assiduously under Salerei and Czerny, we find Liszt at the age of nine giving concerts as a boy prodigy. It was during this period at one of Liszt's concerts that Beethoven was supposed to have mounted the platform and embraced the boy.

Liszt continued his career until he was recognised as the most eminent pianist of the age. Once only was his reputation challenged, and then by the great Thalberg; musical society took sides, and the result was a public competition between the two at a Parisian salon. Liszt was unanimously proclaimed the greater. Thereafter his supremacy was never seriously challenged. When he was 23 he met the Countess d'Agout, who left her husband and three children and eloped with Liszt and later bore him three children, the second, Cosima, who later married the famous pianist and conductor, Hans von Bulow, only to leave him to go and live with and look after Wagner. Between 1840 and 1848 Liszt was at his zenith as a pianist, and wherever he went throughout the length and breadth of Europe he revelled in an orgy of hero-worship that is without parallel. In 1848 Liszt tired of his superficial

life as a travelling showman, and on being offered the post of musical director at the Ducal Court at Weimar, gave up his concert work. Another contributing factor to his retirement from the platform was his meeting with Princess Carolyne von Sayn-Wittgenstein, the woman who was to be with him for the rest of his life—he had broken with the Countess in 1844. At Weimar Liszt devoted himself to composition and the production of the great works of other composers. During this period he originated the form of "Symphonic Poem," of which he wrote twelve, wrote the "Transcendental Etudes," the "Faust" and Dante Symphonies, and composed his famous "Hungarian Rhapsodies"; these latter were the result of a journey through Hungary, where moving among the gipsies he studied their music, taking examples of their traditional melodies from which he wove his rhapsodies.

Shortly after going to Weimar he met Wagner—a political exile—and therefore devoted a great deal of his musical influence to the furtherance of Wagnerian aims. His resources were at Wagner's disposal, and in every possible way he assisted the Wagnerian cause, his production of Wagner's "Lohengrin" at Weimar in 1850, and other operas in later years did much towards the founding of a theatre at Bayreuth for the production of Wagner's operas. Not only Wagner's, but all other music of worth received his attention. The works of Mozart, Beethoven, Schubert, and his great contemporaries Berlioz, Meyerbeer, and others were given at Weimar. Perhaps the most lasting way in which he popu-



LISZT

larised the music of other composers was by his pianoforte transcriptions, particularly the songs of Schubert and Schumann. In 1865 he went to Rome, and took minor orders and became an Abbe, why nobody knows. After this he divided his time between Weimar, Rome, and Pesth, having a large circle of pupils, of whom living to-day are Weingartner, Sauer, Rosenthal, and Lamond. In 1886 he made a last tour, finishing at Bayreuth, where having caught a chill was forced to leave the theatre during a production of "Tristan and Isolde," and take to his bed. His doctor, refusing to allow him to have any brandy, of which he drank a bottle a day; doubtlessly hastened his death, congestion of the lungs followed and he died two days later, his last words being "Tristan."

Liszt was a unique personality; he could be vain and modest, sincere and insincere in turns, but his faults pale into insignificance beside his great genius; his attitude towards the music of other men was utterly unselfish, and it is certain that no man did more for music than Franz Liszt.

Liszt's best-known works are, "Concerto No. 1 in E Flat," for piano and orchestra; "Hungarian Rhapsodies" Nos. 2, 12, and 15, the latter is better known as the "March de Radcozy"; "Les Funerailles"; "Valse Oubliee" (Forgotten Waltz); "Waldertrauchen" (Rustle of Woods); "Gnomesreigen" (Dance of the Gnomes), "Liebestraume" (Dreams of Love); "Mazeppa," and his best-known pianoforte transcriptions, "The Rigoletto Concert Paraphrase," Verdi-Liszt; "Campanella" Paganini-Liszt; "Kermesse Waltz" from "Faust" Gounod-Liszt; Grand March from "Tannhauser," Wagner-Liszt; "Widmung," Schumann-Liszt; "Hark! Hark! the Lark," Schubert-Liszt; and many other songs much too numerous to mention.

NEW "WIRELESS WEEKLY" PRODUCTION

The staff of "Wireless Weekly," assisted by prominent authorities, has just published a Book for Boys. This book, consisting of 72 pages, the same size as the regular Weekly, contains many articles of interest to boys, dealing especially with hobbies, radio and the construction of models and gadgets.

Among the feature articles we might mention are—Boxing by Fred Henneberry. The Care of a Bicycle by Hubert Opperman. How to Improve Your Cricket by W. A. (Bert) Oldfield, a Radio Section arranged by John Moyle, Popular Science Section by J. Cooper-Vines, Conjuring and Magic by Barry Kent, Aviation Section compiled by Pilot McKillop of 2UE, a very interesting Photography Section, a Junior Mechanic Section by Alf. Barnes, and several articles covering Scouting, Stamp Collecting, Shooting, Wrestling, Chemistry, Telescopes, Microscopes, Mechanical Models, Football, Swimming, Life Saving, etc.

The book should appeal to every boy between the ages of 8 and 18. Copies can be obtained from newsagents, or direct from this office at 6d, post free.

HOWLERS AND HANDCLAPS

Announcer, 2FC (7.13 a.m., Nov. 5), during Dally Dozen session:

You're breathing in for the last time to-day.

Goodie Reeve, 2GB (3.22 p.m., Nov. 16), advertising oranges:

We have several girls waiting on the switch now, and they will be delivered to you as soon as possible.

Announcer, 2GZ, children's session (5.30 p.m., Oct. 27):

You have a garden at school, a garden at home; well, you have a garden at both ends in fact.

Jack Davey, 2GB (3.16 p.m., Oct. 29):

Some of these days someone deaf may be listening in.

Wyn Gilmour, 2CA (4.2 p.m., Oct. 31):

To get away from lovely music for a while, we hear Frances Langford singing "Once in a While."

Announcer, 4SB Kingaroy (8.50 a.m., Oct. 4), sending birthday call to child:

Best wishes from all your parents and relatives.

THE WEEK'S BEST

Announcer, 2UE (9.0 p.m., Dec. 5), giving particulars of rise in price of flour:

We have to advise that all self-raising flour rose to-day.

Sent in by Alan Mack, 59 Bland St., Ashfield, N.S.W., who wins this week's prize of 10/-.

Announcer, 2UE (12.35 p.m., Oct. 23), advertising suits from M—:

A sports coat given away free if you order your suit to-morrow. Now this is a wonderful offer, as the sports coat alone is worth from 35 to 2 guineas.

HOWLERS should be written down in exactly the same way as they appear on this page. The name of the station, the time, the date, and, where possible, the name of the announcer or artist are essential.

The sender's name and address should be neatly written below the howler. One shilling is paid for every one published, and there is no limit to the number which may be sent in.

Address your entries to "Howlers," Box 3366 PP, G.P.O., Sydney.

Note: More often than not it happens that two people (we have had as many as twenty) report the same howler. When this occurs the prize goes to the one most accurately and legibly setting out the mistake. If you have sent in a howler which was like one of those published, and have not received your shilling or ten shillings, you must take our word for it that someone else has sent it in more fully and more accurately described.

Donald Day, 3XY (10.35 a.m., Nov. 6):
I can hear the boys of the band singing, but I can't hear the listeners.

Announcer, 2UW (2.50 p.m., Nov. 3):
If you want to take home a glory chest for your girl that's four feet high and three feet wide, ring—for inspection.

Mr. Robur, 2WG (4.15 p.m., Oct. 5), during community singing:
There will be a prize given to the one who opens her mouth the loudest.

Pat, 2FC (5.50 p.m., Nov. 14):
And when we think of monkeys and rhinos, we think of the Zoo Man.

Uncle Frank, 2GB, Radio Sunday School (5.25 p.m., Nov. 20), asking for donations:
And we want all your clothing—er—not all.

Announcer, 2UW (10.35 p.m., Nov. 18), giving birthday call:
You've been married 25 years since last March.

John Dunne, 2SM (8.45 p.m., Oct. 7):
I'm very interested in married couples—I might even marry myself some day.

Bill Phillips, 2UE (9.50 p.m., Dec. 5):
His opponent has his black pants down—I should say on.

Announcer, 2CA (12.0 noon, Dec. 4):
Mr. Burke covers the whole of the South Coast.

Bryson Taylor, 2BL (12.55 p.m., Dec. 2), conducting community singing:
I am afraid it's time for our hymn.

Announcer, 3DB (Dec. 3, 10.8 p.m.), broadcast of Miller-Irish fight:
Miller landed a low punch and opened Irish's nose.



—"Radio Pictorial," London.

WHAT! NO MURDER!!?

ANONYMOUS

"RING the man in," said Chief-Inspector Bladderwort, of Scotland Yard. "I'll interrogate him." He turned to his assistant, Chickweed. "Interrogate means to question," he explained kindly. "I read it in the paper."

Chickweed spat admiringly into the cuspidor (there being apparently no spittoon in the place), and then two constables brought in a white-faced man with large, wild eyes and a birth-mark shaped like the two of clubs behind his left knee. The birth-mark, of course, was not visible. I mention it so that you will at once recognise the man as the lost heir to the earldom, and thus start on a wild goose chase after the proverbial red herring.

Chief-Inspector Bladderwort motioned the man to sit down, using a sort of sit-down motion.

"Now, sir," he began, "where were you on the night of the 14th? Come, now, it's no use lying. Lefty the Lag has blabbed. We know you killed the reclusive millionaire, and we know where you hid the missing will. . . ."

Chickweed nudged Inspector Bladderwort and whispered into his ear. He always whispered in the Inspector's ear. Never into his elbow or the sole of his foot.

"Yes, I know the man's not accused of murdering anybody," snapped the Inspector in reply to the whispers. "I know he's just a lost memory case. But I always start my interrogations this way. It's part of my technique. Technique means method," he added. "A reporter told me."

He turned to the man with the wild eyes, one of which was becoming a little tamer, and would soon, it was obvious, be docile enough to be taught a few simple tricks like dying for its country or choosing the Union Jack.

"So you've lost your memory, eh? Well, tell us about it. Tell us who you are, and where you live, and so on. We'll pretty soon be able to identify you."

The unknown spoke for the first time since entering the room. "All I remember," he said in a heavy voice (about 147lb. 6oz., to be precise), "is suddenly finding myself here at Scotland Yard. I do not remember my name or address or how old I am, or even whether I made a separate return under schedule D. I may even be Hitler. It's terrible."

Chief-Inspector Bladderwort pressed a secret button with his foot. He always pressed the secret button at this stage of the negotiations. He found it gave him confidence, and it didn't do any harm as the button was not connected with any wires or bells. He also drew out a revolver and placed it on the table in front of him. He did this, partly because there was no table behind him, and partly because he was thinking of something else, and didn't realise what he was doing.

"Come, come, this won't do. Though what it won't do (here he turned explanatorily to Chickweed), and why it

"Curse it," snarled the imposter, and hurled himself through the window.



won't do it, we have yet to discover. Let us suppose for a moment that you are Mr. Hitler. In that case, you would be in Germany, or maybe Czechoslovakia—or even, perhaps, Austria—or, again, New Guinea. But you are not Hitler, because, anyway, you haven't got a moustache, and you don't look like Hitler. So that," concluded Inspector Bladderwort, "reduces by one the number of people you may be. We shall soon find out who you are, at this rate."

He turned to Chickweed, who had been listening, awe-struck, to this brilliant piece of deductive reasoning. "You follow my method?" he asked. "Well, now you can take over the investigation. I'm going out to lunch. Just keep on proving that he isn't somebody, and, in the end, you will be left with one name, and that, inescapably, will be his."

"Brilliant," murmured Chickweed, and spat, and turned to continue the investigation.

When Chief-Inspector Bladderwort returned to his room two hours later he found Chickweed and the unknown still there.

"Still here?" he asked.

"Brilliant," said Chickweed.

"What success has attended your efforts?"

"We're getting on fine," said Chickweed. "So far, I've proved he's nobody

in Debrett, nobody in Who's Who, and now I'm starting on a few of my friends."

"Don't worry about your friends," commanded the Inspector. "You know them all by sight, don't you? Ergo, this man can't be a friend of yours. Ergo, by the way, means 'therefore.' A lady friend told me."

"Brilliant," murmured Chickweed and the Unknown together, and spat admiringly at each other.

"Instead of trying the names of your friends," added the Inspector, waving the praise aside, probably because it was getting in his eyes, "try the names of some of my friends. I'll write a few down for you. Now I must go. I'll look in each day to see how you're getting on."

A week later, Chief-Inspector Bladderwort, paying his daily call on Chickweed and the Unknown, found his young assistant unusually jubilant.

"Boss," exclaimed Chickweed, "we are near the end now. Only two names left in the whole of London's teeming millions. Teeming millions means population."

"What are those two names?" asked Bladderwort.

"Yours and mine," exclaimed Chickweed triumphantly.

"My poor, dear fellow," said Bladderwort pityingly. "You are you, are you

(Continued on Next Page)

not? And I, most certainly, am I, Aloysius Bladderwort. How, therefore, can this poor man be either of us?"

"Boss," murmured Chickweed, shame written all over his countenance, and not very carefully blotted, either, "you're right. Then what . . . why, look at the Unknown."

Both men stared at him. The wild eyes were sparkling. The man waved his arms excitedly. "I've remembered," he cried. "I've remembered. As soon as you mentioned that name, I remembered. I am Aloysius Bladderwort. I began to remember, and now it's all come back to me. I am Chief-Inspector Bladderwort."

Chickweed stared. "Why, you're right, Boss," he shouted. "I didn't recognise you before because you weren't disguised. Then who is this imposter?"

Together they looked at the fake Inspector Bladderwort.

"Curse it!" snarled the imposter.

Quick as lightning, though less dazzling, he ran to the window and hurled himself through the glass. There was a second's silence, and then a sickening thud. "Not half so sickening as I had always imagined," said Chickweed. "Well, now we shall never know who he was. And now, sir, put up your hands. I only pretended to recognise you to find out who the other fellow was. I know you are not Inspector Bladderwort, because there never was an Inspector Bladderwort. And, anyway, he spelt his name with a 'D.' Who are you?"

"Curse it! Discovered at last," said the other. He, too, turned, dashed to the window, and flung himself out.

"Funny," muttered Chickweed. "Everyone seems to be a crook round here. I wonder why they call me Chickweed. I'm pretty sure that's not my name. If only I could remember who I am and where I live, I'd go home."

THE END.

P.S.—For the elucidation of tiresome readers who always want things explained to them, the whole thing was a dream, dreamt by a man called Hanslip, who lived in Pasadena.

P.P.S.S.—This is a Christmas story. Merry Christmas!

RADIO ADVERTISING CONTEST

In response to our recent request for readers to forward letters stating their views on radio advertising, we have received a large number of letters. We hope to announce the first list of prize winners in this contest in next week's issue.

THE HAND OF ALLAN TOOHEY

PALMISTRY by DR. FUDDLER

THESE boy Allan have the very very remarkable hand. I have search his palm for the Croix Magnifique, (Three X's) but the lines are very faint on these pictures so I expect it is there in the ice chest, yes no?

You will see (£1000 prize if you do) that his head line and his heart lines run together almost to the middle of the palms;



and these is a sign that will make any palmist mutter in his beard.

As I (Viscount Louis Fuddler De Kidderminster, II Suprema and Perfecto, Doctor of

STOP-PRESS

Please substitute the following alterations in programmes:—

MONDAY, DECEMBER 12

2.0 p.m., 2KY: Manly by the Sea.
2.30 p.m., 2KY: The Passing Show.
2.45 p.m., 2CH: Health and Harmony.
7.40 p.m., 2KY: The Last Word.
11.0 p.m., 2FC: Resume of Henneberry v. Woods Fight.

TUESDAY, DECEMBER 13

2.0 p.m., 2KY: Manly by the Sea.
2.30 p.m., 2KY: The Passing Show.
7.0 p.m., 2KY: The Last Word.

THURSDAY, DECEMBER 15

11.0 a.m., 2CH: Health and Harmony.
2.0 p.m., 2KY: Manly by the Sea.
3.50 p.m., 2CH: Lurline Fleming.
7.40 p.m., 2KY: The Last Word.
8.15 p.m., 2GB: Dan Jamieson.

Palmistry by the Grace of St. Cripes) have no beards, and cannot mutter into them, I can therefore not read these sign without being struck off the roles.

But I will say these. It is a good sign. Very good and very big; and it means that these Allan has the great power of concentration.

When he set his heart on somethings, he also set his head on it and that is a powerful pair of combinations.

If it happens to be a woman, then he is set like a jelly very quick (these is some of Lu's lingoos) and by St. Cripes he becomes the port wine in her jelly before she knows she's in the soup.

Now he also have what we call at the Imperial College of Palmistry "a square thick-set material looking hand," and these together with the other sign says that he will stop at nothings to get what he wants.

My last wives, Dame Whistler Fuddler, was like these.

She once sat for two weeks at Croydon Airport waiting for a plane where she could sit with her back to the engine.

At last the only things that could be done was to strap her to the bomb carriage of a Naval bomber.

Unfortunately she got let off by mistake above the English Channel in Naval manoeuvres; and I never see her again.

Since then I have never speak to the Navy.

They may be silent but you cannot trust them with your wives.

She was a good sort, Dame Whistler; I never had any troubles with her because she was deaf and dumb and could only whistle.

These Allan have the head lines which shows a very big development of the artistic and imaginative qualities; but all the time he has the practical bottoms for its support, and as I have said before, these is a fine kettle of combinations.

But enough of these soap bubbles; he has the "thumb formidable," and he must always keep himself under control.

From my bags of mails:—

I have receive the following letter from "Well wisher," Darlington Road, King's Cross.

* * *

Dear Viscount Fuddler,

Have you converted your bonds? I have and it has made me so happy. Yours, "Well Wisher."

* * *

Answer: Dear "Well Wisher." I was hoping that my bonds could be left out of this; but seeing that you have dragged them in I would like to make a statement. Anyone who can convert my bonds is welcome to a loan of any two of them during any two weeks ends at Christmas. Thanking you for your kind interest in my private life. Yours Fuddler (Viscount).

Next week Lord Fuddler will read the hand of Dom Hernet, 2SM.



John Wallace

Crime Expert

HE has made a study of murder, and claims that he could, if he felt inclined, commit the perfect crime.

"I could take you to dinner to-night," he told "Wireless Weekly," represented by a fair young thing, "and six months later you would die—of a very common complaint. There would not be the slightest suspicion of foul play, but you would die, as certainly as the sun will set."

His name is John Wallace, and in the past nine years he has published 57 murder mysteries and written many more; one of them, "The Millionaire Gangster," was broadcast from 3LO, Melbourne, in serial form. This broadcast marked the first time in radio history that a story was read with sound effects, and the innovation was a huge success. Another of Mr. Wallace's tales, "The Sedan Murder Mystery," will be broadcast widely through Australian commercial stations shortly.

He wrote his first murder mystery on a wager. He had read so many weakly-constructed stories and had so frequently expressed his disgust that his sister challenged him to write one himself. Since then he hasn't looked back.

Mr. Wallace is 46. Previous to embarking upon his present profession he was a speed-driver, and spent ten years smashing up cars. He writes from 12 to 16 books a year. "The Millionaire Gangster" he wrote in ten days. And claims to get more enjoyment from writing his books than his public do from reading them.

Mr. Wallace will be interviewed by John Dunne shortly in the "In Town To-night" session from 2SM.

RADIO POT-POURRI

Drive

THE 2GB Youth Club has made a move that should score a large number of new members this month.

By arrangement with Qantas Imperial Airways, 15 youngsters are to be taken for an hour's flight in one of the big flying-boats over Sydney and coast next month—and the selection will be determined by the result of a competition among the lads as to who enrolls the most members during December.

The club is also very busy at the moment organising classes covering instruction in almost every skilled trade

and a list of hobbies ranging from archery to ju-jitsu.

Cool

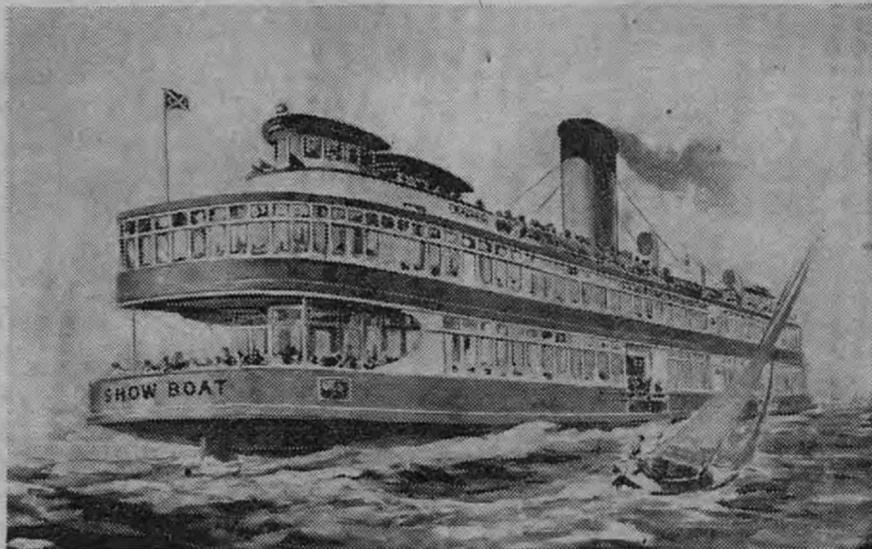
A NEW presentation from 2KY has the intriguing title of "Paradise Corner." It is a Myra Dempsey idea, broadcast at 2 p.m. on Monday, Tuesday, Thursday, and Friday, and specially arranged with thought to the hot weather—suggests cool sea breezes and long glasses and clinking ice. Helping Myra with her new session is a lass new to radio, known as Carol.

Theatre Play

"TRELAWNY OF THE WELLS," a play by Arthur Pinero, is number four in the series of older stage plays included in the Commission's current "From the Theatre" series. It will be produced from 2FC and 2NR on Thursday night, December 15, at 8 o'clock.

To-day "Trelawny of the Wells" seems particularly associated with the names of Dion Boucicault and his wife, Irene Vanbrugh. The play sentimentally but charmingly lingers over the life of the English theatre in the generation before Pinero's, and the character of Arthur is said to be identified with that of Tom Robertson, author of "Caste." Pinero's own career as an actor was begun as far back as the "sixties." All Pinero's love of boards and grease paint goes into "Trelawny." It is interesting also that the title links it with Sadler's Wells, historic home of popular entertainment since 1684—from the dispensing of medicinal waters to rope dancing and pantomime, from nautical dramas, with their tanks of real water, to plays in which dogs were the only actors, from Shakespearean productions to prize-fights, from Grimaldi, the clown, to the flourishing era of ballet and opera in the reborn Sadler's Wells of to-day.

Below: The new three-decker Showboat, which has been engaged by Station 2CH for its 50-50 Jolly Boat outing on December 17. There will be a full programme of entertainment, and a treasure hunt will be conducted. Over a hundred prizes of a Christmas nature, i.e., Christmas turkeys, hams, etc., will be awarded. Dancing will be held on the top deck. The Showboat will cruise to Middle Harbor.



THE MUSIC LOVER LISTENS

- BY ALICE BROWN - MUS. BAC -

CAN WE HAVE FOLK MUSIC?

AUSTRALIA has no national music. With the exception of "Waltzing Matilda," our nearest approach to folk song, we have no tunes stamped with our own national "trademark."

Some well-meaning people have attempted to rectify this deficiency by probing among the inarticulate chantings of the Australian aborigines. Personally, I cannot see that these have any closer bearing on Australian culture than those of the African Zulu.

Mr. William G. James, who conducted the A.B.C. Orchestra in the first of a series of three children's concerts, broadcast from the Town Hall on Wednesday afternoon, November 30, took folk music as the keynote to his programme. Two of the items, Grainger's arrangement of the Londonderry Air and Brahms' Hungarian Dance No. 6 were played to demonstrate folk music as reflecting a nation's emotional characteristics, and also its influence on composers.

Mr. James suggested that the children form the habit of singing, spontaneously, tunes of their own creation. It was possible, he added, that these would develop into folk song and would be overheard and written down by some musician.

This idea seemed to me more picturesque than practicable. No doubt, Mr. James intended it so. If it served to stimulate a desire to create music in some small breast it would be fully justified. But it would not be folk music.

We may be a young nation, but we are too old and too sophisticated to start making folk songs. There is no need to make our own music when we can switch on the radio set at any hour of the day. The younger generation cannot waste time inventing tunes while Snow White selections are on the air!

As we are too "civilised," then, for folk songs, we cannot expect Australian music to be "national" in the same sense as most Russian and Spanish music of the present time. But this does not mean that Australian music can never have individuality.

Art music, or music composed and written down by one composer, does not depend for its existence on folk music, that is, music of obscure origin passed orally from one generation to the next. The two have existed side by side, in older countries, for centuries. It is only when one country tends to dominate the field, as did Germany during the last century, that a "national" or folk-music reaction sets in among composers. This was most strongly felt in England and Russia, where many composers are still searching for inspiration among the wealth of folk song possessed by their respective countries.

National folk music is not essential

for the development of Australian composition. What is necessary is a very much wider interest in the art of music-making generally.

Competitions such as those conducted by the A.B.C. and the N.S.W. Music Association provide a certain impetus and bring the best to our notice, but I have always felt that a lot could be done by small amateur groups themselves.

Sydney abounds in music clubs, but I do not know of one which meets solely for the purpose of performing and criticising works by its own members.

BANTOCK-BAINTON CONCERT

The most outstanding performance I have heard this year by the Conservatorium Orchestra was of Haydn's London Symphony conducted by Dr. Bainton. The instrumental quality was excellent throughout and every player seemed to be completely "in tune" with the music he was playing. The result was thoroughly satisfying.

The remainder of the programme was devoted to works of Sir Granville Bantock, which he himself conducted. "Sea Wanderers" was effectively scored for chorus and orchestra. It seemed to me to have a distinctly Wagnerian flavor in places. The chorus did some good work. I remember a short section in particular, for female voices, unaccompanied. The work seemed to me loathe to finish. The long, sustained notes at the end were inclined to be overdone. I have noticed this tendency to over-emphasise his conclusions in most of Bantock's work.

The "Hebridean" Symphony, one of Bantock's best-known works for orchestra, is based on Hebridean folk music. I had not heard this work before and my first impressions were disappointing. As with many works built round folk music, it lacked cohesion and did not express any really vital ideas. The desire of many English composers to rescue folk songs from oblivion is often to the detriment of their own originality.

The symphony was more convincing in its tranquillity than in its stormy moments. These sections were noisy and often monotonous. The orchestra lost form badly towards the end.—2BL, WEDNESDAY, NOVEMBER 30.

MARKET REPORTS

DURING the interval of the above-mentioned Conservatorium concert I had to choose between turning off my set altogether and running the risk of losing some of the second half, or of suffering nearly twenty minutes of market reports.

An orchestral concert is obviously broadcast for the music-lover. And any genuine music-lover, whether he be stockbroker or farmer, must resent the intrusion of such mundane matters during his artistic recreation.

This example of bad taste on the part of the programme arranger is not by any means an oversight. It has occurred, to the best of my knowledge, for nearly two years during the Celebrity Re-Creation session on Friday evenings.

BY CANDLELIGHT

I was glad of another opportunity to hear the Ballet music, "By Candlelight," composed by William G. James. It was played by the A.B.C. Orchestra, conducted by the composer, during the "Everyman's Music" hour last Thursday. The programme presented during this hour was the same as that heard at the children's concert the previous afternoon.

"By Candlelight" is a work of considerable charm and imagination, and admirably suited to its subject. The orchestra, on the whole, did it justice, although on both occasions the oboe was noticeably sharp in its little pass with the flute.

It should not have been necessary to omit the first movement of Mendelssohn's Violin Concerto during the studio performance.

Those listeners who heard Guila Bus-tabo's D string break during the final movement must have wondered, as I did, how she managed to carry on. Her changeover to Lionel Lawson's instrument showed her presence of mind, but, unfortunately, the equilibrium of both soloist and orchestra was upset by the incident.—2FC, THURSDAY, DECEMBER 1.

BRISBANE'S LAPSE

I HAVE often remarked on the good standard of Brisbane's choral singing. Unfortunately, they failed to keep to their usual standard during a performance of Sir Granville Bantock's unaccompanied choral works. In every item there was a distressing disagreement in pitch between the parts, which made Sir Granville's settings of various folk songs exceedingly hard to bear. The quaint Scottish tune, "O Can Ye Sew Cushions," might have been well worth hearing if properly sung.

Besides conducting the choral items, Sir Granville Bantock was heard playing his own composition for piano, "Memories of Sapphire." This apparently consisted of "selections." It lacked the necessary continuity and form for an effective piano solo.—2FC, MONDAY, DECEMBER 5.



A Criticism of Plays and Players

BY THE RADIO SCORPION

WITHIN THESE WALLS, 2FC, Sunday, December 4, 9.30 p.m. Adaptation: Edmund Barclay. Production: Paul O'Loughlin. Play by Marjorie McLeod.

ANOTHER adaptation! What is the matter; are the staff writers so busy writing serials that they have no time to write original plays? If they are, why not increase the writing staff? The A.B.C. has enough money. Are we going to have day after day adaptations from books, or serials of no importance? Looks as though the Commission has run out of competition plays, and please don't tell me that we have not the playwrights.

"Within These Walls" had too many characters. It was the story of a Scotch settler whose wife made a god of their beautiful homestead.

Oh, Lord, I did get mixed up during the opening scene. The Scotch voices of Janet and Aggie were so much alike. Robin and James Cameron were also similar.

On the whole, the cast gave a good performance. I was impressed by both James and Robin. The reading of the poem by Robin was magnificent. Janet seemed to improve as the play developed and was very good when Jean told her she was married.

The play built itself up well. The listener could understand why Janet loved the house more than her husband, who was made to appear a villain. I thought it served Janet right, since she did not love her husband. Of course, it all had to end in tragedy.

The last scene, the bushfire, was convincingly given. The sound effects were excellent, but what spoils the whole radio play was the finish. Janet moaned and moaned. I could not understand all she said. It would have been much more pleasing if we had heard the bushfire roaring towards the house, a few lines from Janet, and then finish. Instead of this the house had to fall down before Janet was killed off.

The voice of Jean annoyed me, after my ears became used to Scotch accents. Jean came along with her fluttery super-refined voice; I didn't like it, and that goes for Janet's nephew as well, although he sounded very natural when trying to save his aunt from the fire.

A public man said at a luncheon this week that Australians are made to

sound ridiculous over the air. He was, of course, referring to "Dad and Dave" and the unreal way they are made to act and speak.

It is true that the commercial stations care very little how their writers and players abuse the English language. When are our radio people going to become aware of the enormous power that has been put into their hands, and of the influence it has on the rising and present generation?

Take the man-on-the-land, the farmer. Whether he be dairy, wheat, grazing, what radio station has ever been public spirited enough to run an intelligent session for him? The farmer is ever on the alert for news, instruction and advice, concerning the scientific development of our primary industries, and yet all he gets day after day is either absurd caricatures of himself or moronish serials of American adventures in treasure hunts and gangster crimes. From the National stations he gets music so high-brow that one wonders if the musical programme director understands it himself.

Plays from the National stations consist either of adaptations from books or plays that are puerile, and sterile of ideas. Has it ever occurred to those in control that it would be possible to broadcast plays that could contain useful knowledge both for the farmer and the city dweller?

Since good sound drama or plays of ideas cannot apparently be found, dramatised instruction would assist the farmer to increase his production and cut down his losses.

We are a young, virile nation, destined to play a part in world affairs, but we are, primarily, a producing country, and our strength must lie for the next two hundred years in our butter, wool, meat and sheep.

What has been done for the farmer with this strange, new power of broadcasting?

Just nothing. The radio stations don't care.

* * *

QUEST FOR TALENT, 2GZ, Tuesday, December 6, 9.15 p. m.

I LISTENED with absorbed interest to this new session that is being conducted in Orange. The station is doing all it can to give radio aspirants

a chance, yet making sure that it will be good entertainment as well.

It will be broadcast three times a week, twice for children under sixteen and once for adults. The judges announce the winners of the night immediately after the session. This is playing fair with the competitors and increases the interest in the session.

Number three seemed to have a powerful voice, pleasant at times, but he needs much training. His notes were not sustained and sometimes not quite in tune.

Number four's instrument was not announced; I wondered whether it was an accordeon or a mouth-organ at times. The Cuckoo Waltz was a good choice, but played too quickly. Even for old-time dancing, five minutes of waltzing to that time and even the ladies would have perspired. It sounded jerky at times, which a waltz never should, also there was very little imagination in the bass. I should think Number four played by ear.

Number five's violin solo was very good. The accompanist tried to be sympathetic, but was much too heavy. The low notes were very good indeed; in fact, this violin player delighted my ear.

The gumleaf trio was—well—just a gumleaf trio, honest bushmen, I expect, but for the luv-of-mike don't come to the city and expect anyone to say you are music-makers. All the same, "Gumleaf Trio," you did not offend me as much as the bloke that played the piano. Number nine, how could you! I was reminded of the country dances, where the orchestra is out having a drink, and somebody thumps the old piano and sometimes thumps the wrong note.

The mouth-organ was much too like a barrel organ. The rhythm was too perfect, the tunes were well mixed, but the bass was the same for all the melodies.

The lassie that sang "To a Minia-ture," which, my dear, is pronounced "To a Minature," not "To a Mine-a-ture," if you don't mind me saying so, sounded nice and husky and pleasant; I liked your song.

Peter Macgregor was the compere of the show; nice chap this, he does not try to steal the performers' thunder, for he leaves out the "wisecracks" and contents himself with quiet announcements, which is satisfactory to the listeners and should be to the advertisers. Incidentally, the commercials in between each item had the effect of isolating each performer, which gave them all a better chance.

It was good entertainment, and one reason must be that GZ insists on an audition or a rehearsal beforehand. The listener is assured of some pleasure during the night because of this.

What a laugh GZ must have on these city stations. Here for the first time in radio history is a well-conducted amateur session from the little town of Orange (excuse that "little" Orange folk). The session was entertaining and worth listening-in to.

CHILDREN'S RADIO CORNER



CONDUCTED BY AUNTY TANYA

My dear Kiddies,

Binky, my kitten, isn't feeling very well, and I regret to tell you that he has been misbehaving. He stole some fish. I'm very cross about it. You see, the fishman calls with freshly caught fish every Saturday afternoon, and I usually buy some. But the last time he called I was out, so he left me some wrapped up in paper, on the doorstep. Now Binky and Oscar (my monkey) were playing in the garden, and after the fishman had gone, Binky ran up the stairs and smelt the fish. Evidently he liked the smell, because he clawed round the newspaper until he managed to tear it open, and he stole one of the fishes and dragged it down the stairs into the garden.

What Oscar was doing to allow Binky to behave that way, I can't think. But anyway, Oscar doesn't like fish, so he was very interested in watching Binky's struggle. You see, it was quite a big fish, and Binky is a very little chap. Besides, his teeth are still so tiny that he can hardly chew anything. When I arrived home there was Oscar sitting on the ground watching Binky.

I said, "Binky, whatever have you done? You naughty kitten." I reached out my hand to give him a little slap and take the fish away, but Oscar grabbed my hand and made a little crying noise. I said, "Oscar, you know perfectly well that Binky has been naughty, and I'm going to smack him."

I put out my hand again, and grabbed at the fish.

Binky growled.

Imagine little Binky growling at me. Anyhow I took hold of the fish and Binky scratched me. Then I was really cross, so I smacked him and shut him in the laundry, where he meowed for about an hour.

Oscar cried when I smacked Binky, and sulked until I let Binky out of the laundry.

And Binky hasn't been feeling very well since. I think he must have had too much fish. I gave him some castor oil in his milk, and he's a bit better now. Funnily enough, he loved the castor oil.

Imagine them playing up that way just before Christmas. Aren't they naughty?

To-day you will see the new competition. Do you like it? You can please yourselves what line you add, so long as it rhymes. I'd like you all to enter.

Isn't it a pity the story is ended. I'll have to see if I can't get Peter to write another one for you. If you would like him to do so, write and tell me, and I'll send the letters on to him.

Well, kiddies, this is all for this week. I've got tons of Christmas shopping to do, so that I must dash out and do it.

Lots of love from Oscar, Binky, and

AUNTY TANYA.

THE TWINS OF GREEN VALLEY

By PETER MacGREGOR
EPISODE 6 (Conclusion)

THE policeman turned out to be a kindly man and at the police station he listened carefully to all Dick had to say. Occasionally a low whistle escaped his lips as Dick repeated what he had overheard from the sheep thieves and how he and Betty had been locked in the bedroom.

"If all this is true," said the policeman, "it looks as though you two have done a very good job of work. Furthermore, made a clever and fortunate escape. I'll see that these men are held on suspicion until your father arrives and in the meantime we'll give you a bed and let you get some sleep."

"I don't suppose you have anything to eat here, have you?" asked Betty. The policeman laughed. "I think we might rustle up something," he said. "I can always manage a little midnight feast myself."

It was a great reunion next day when the twins met the train from "Green Valley." To their delight, mother had come as well as daddy.

"I'll tell you why, later," she said, looking mysterious.

Mr. Curtis went straight off with the policeman while Dick and Betty stayed



Tom and Jack Massingham, with their dog. They are in the dam on a raft, which is so heavy with their weight that it is just below the surface. Tom and Jack are new members of the C.R.C. and live at Binnaway.

with their mother and told her all their adventures.

"What a time you've had," exclaimed Mrs. Curtis, "and all within twenty-four hours!"

A little later at the police station they all foregathered.

"There's no doubt that these men are the sheep thieves," said Mr. Curtis; "one has confessed everything trying to save his own skin. I'll be wanted here in two weeks' time when the prosecution begins, but in the meantime I'm free."

"But those men and that woman won't be free for many a long day," put in the policeman, grimly.

"Good," said Mrs. Curtis, "then our plans are turning out well. Children, how would you like us both to come to the seaside with you?"

"Oh, how marvellous!"

"Oh, mummy and daddy, do come."

"All right," said daddy; "after all, you deserve a reward for all the good work you've done. We'll all have a real holiday with no worries over the sheep. We can catch the train to-morrow."

"Don't let Betty buy any lemonade or we'll miss it," teased Dick.

"Anyway, it was a jolly lucky thing that we did miss our train," said Betty, quickly. And daddy and mummy heartily agreed. THE END.

Aunty Tanya's Mail Bag

Aileen, James and J. Hodge (Temora).—Thanks for the entries, and welcome to the corner.

John Sceresini (Glebe).—How nicely you write, John. Thank you for writing.

Jack Taylor (Bondi).—I think you are a new member, aren't you, Jack? Write and tell me all about yourself.

Bert Hart (Tomingley).—We are all well, thank you, Bert.

John Sloane (June).—Write me a long letter, John, telling me all about yourself.

Grace Klinge (Henty).—Glad you like the Corner, Grace. I hope you get more rain soon.

Ruth Voss.—No, it doesn't cost anything to join the Corner, Ruth. All you have to do is write me a letter, and that automatically makes you a member.

Mavis O'Brien (Albury).—Welcome to the Corner, Mavis. I'd like a longer letter from you.

Daphne Lord.—An excellent effort, Daphne. Write again, won't you?

Diana McGinness (Coolabah).—What about another letter, Diana, to let me know how you are getting on?

Joan Brooker (Robertson).—It must have been hot that day, and I suppose you quite enjoyed the rain afterwards. I hope you are quite recovered from your illness.

(Continued on Page 52)

NEW CHRISTMAS COMPETITION

THE NEW COMPETITION FOR CHRISTMAS IS TO WRITE THE LAST LINE FOR THE POEM WHICH IS PRINTED UNDERNEATH. THERE WILL BE A FIRST PRIZE OF 10/- for the best one sent in, and a consolation prize of 2/6 for the second best. I would like all my nephews and nieces to enter for this competition.

Address your entries to

Children's Radio Corner,

Wireless Weekly,

Box 3366PP, G.P.O., Sydney.

Here is the poem to which you must add the last line:—

Please Father Christmas, I don't want a bear,

Or a Jack-in-the-box, or a doll with gold hair,

No bicycles, tricycles, warships to float,

I don't want new shoes or a new hat and coat;

There is only one thing I would like you to bring,

.....
This competition will close on December 27.

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HOME MOVIE SECTION CONDUCTED BY FRANK EASTMAN

EXAMPLES ARE EVERYWHERE

WHATEVER your reaction and no matter where you live, you have your material to make a film at your fingertips. Perhaps you think somewhat differently about the budding season, and feel that spring throws into relief the plight of the under-privileged. There is a film story as poignant as you can contrive it! Do you like the countryside or the mountains? What do they mean to you?—peace and tranquillity, the stirring grandeur of great trees and scarred chasms, or the shrinking fear that D. H. Lawrence felt of the bush? Let your own feelings and own reactions give key to the selection of your scenes.

We usually have such reactions about a prospective film subject, or it would not have suggested itself. To bring these viewpoints to light it is necessary only to do a little probing in that part of our mind we usually leave undisturbed. One starts by asking himself: "Why do I want to film this and what do I think about it?" The rest is easy, if you are willing to hunt for the scenes, just as a writer must hunt for words or a painter must search for color and form.

ANALYSE YOUR EMOTIONS

WHAT do you like about ships at sea?

If your film tells it the reel of your ocean cruise will be fascinating. Why did you take the cruise? For fun? If so, what do you find gayest and most amusing? How can you make your audience sense your own reaction? You certainly cannot do it with an unplanned, slipshod film showing distant views of the horizon and a panorama of the deck house.

Why the amateur motion picture should be so divorced from the maker's cultural interests is a continued and intriguing mystery. Why cannot reading, an interest in music, or a knowledge of art find expression in the films we make? But the student of sculpture who goes to Paris will bring back much the same film as does the butcher's family who goes merely to see the Folies Bergere and buy French post-cards.

English poetry, from Shakespeare to Rupert Brooke, abounds in allusions and pictorial metaphor that are hand-made for re-interpretation in celluloid, yet how many cultured Australians, to whom English literature is meat and drink, will do the same reel of the Lake District, Durham Cathedral, and Blackpool tower—identical scenes brought back by the chap who does not know the difference between John Galsworthy and Lennie Lower?

A CULTIVATED GROUP

TAKEN by and large, movie makers are a cultivated group of people, well informed and well read. They buy

a movie camera not out of a sense of vanity but because it is capable of reproducing beauty in its most lasting form. Then why this sense of capturing beauty should not find expression in the films they make is a psychological enigma. It is easy to follow a stereotyped pattern and film the things that a ten-year-old child "let loose" with a cine-camera would film, but it takes very little extra effort to express your individual interests, as you do in your conversation and in your letters. It makes a far better picture—more satisfying to you and more satisfactory to your audience.

"But," the cine enthusiast might say, "I merely want my films as a record—an imperishable account to look back on years later."

RECORD OF TASTES

VERY well! There is no reason why your films cannot be that, also. Tastes change as we mature, just as surely as fashions and popular songs. A man of twenty-five whose existence is given over to the golf-course may, twenty years later, find engrossing interest in a chess-game or the building of model ships. And a pictorial record of his tastes through the years will be just as entertaining as a record of the growth of his children.

INDIVIDUAL WORK OF NOTE

TAKE, for instance, the work of Fritz Lang, director of "Fury," and the recent Raft-Sylvia Sidney picture "You and Me." Lang, tutored in the Teutonic school, favors heavy shadows, harsh highlights, and curious camera angles. On the other hand, the Gallic Rene Clair's direction sparkles like champagne and his films are studded with lovely pastoral effects, open fields, the sunshine glittering on water, white clouds massed against the sky. Remember the lovely meadowland exterior in "The Ghost Goes West" when Murdoch Glourie is discovered playing forfeits with the shepherd girls? Here was an example of Rene Clair at his best! One felt the man's love of open spaces and green fields in that telling sequence.

John Cromwell, who directed "Algiers," was an artist and sculptor before he became a director. And he has retained his love of portraiture through the transition. If you saw that film you must recall the superb close-up work on the actress, Hedy Lamarr. This tawny-eyed, red-lipped black haired girl has the most "photogenic" face on the screen to-day, and Cromwell was not slow to realise that the beautiful moulding of this actress's face lent itself admirably to his particular style of technique. All the artistry ingrained in Director Cromwell is shown in his handling of her close-ups in this unusual film.

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RECORDS REVIEWED

'CELLO CONCERTO

MOZART SYMPHONY—FAURE SONATA

By JOHN MOYLE

CONCERTO IN B MINOR OP. 104
(DVORAK) played by CASALS ('Cello)
and the CZECH PHILHARMONIC
ORCHESTRA under GEORG SZELL.
H.M.V. DB3288-92. Five records, 8/-
each.

It's scarcely a fair thing to present me with a 'cello concerto played by Casals, recorded as is this one, and expect me to approach it with an unbiased mind. It just can't be done. So perhaps I had better own up straight away that I enjoy this new recording more each time I hear it.

Even before the first samples of the records reached Australia, they had been heralded by reports as to their excellence. These reports don't appear to have been exaggerated, and I, for one, heartily endorse them.

No one could fail to appreciate the beauty of the music—and when I say beauty I mean it—music for music's sake. So rarely do we hear it nowadays in modern compositions. I couldn't help wondering, as each of the beautifully turned melodies of Dvorak unwound themselves, whether we have forgotten how to sing in these days of strange noises by great men. I often wonder whether we would hear so much musical extravagance if we had a few composers who could write melodies. Maybe we wouldn't hear so much that would sound the same if it were played backwards. Or pictures that look just as good when hung upside down. I saw a beautiful sketch in a magazine the other day depicting the commencement of a modern composer's latest concerto. The soloist, who was giving the conductor his "ready," was wielding a pneumatic drill. Judging from the look of him, I'm sure his name was Alf. But what's all this to do with Dvorak?

The recording of the concerto is quite good enough to stand special mention. Its main characteristics are smoothness, richness, and balance. Just the performance one would expect from Szell on his home ground. I'm not a Szell fan, but I do appreciate his musicianship in work like this.

Casals one cannot presume to criticise. Of the virtuosos living to-day, no one can hold a greater rank. From the first bite of his bow halfway through the first record, right through his exquisitely turned phrases, and lovely singing tone, one can do no more than admire and be thankful.

I don't think anyone will go wrong with these records. If you haven't heard what a 'cello can do when properly handled, you'll wonder why there aren't more works for this instrument after you have. Amongst the four or five works I have specially commended to you in the last six months, please add this Dvorak Concerto.

**SYMPHONY IN C MAJOR K196 ("JUPI-
TER") (MOZART)** played by the
VIENNA SYMPHONY ORCHESTRA
under BRUNO WALTER. H.M.V.
DB3428-31. Four records, 8/- each.
**Eighth Side—Overture "LA FINTA
GIARDINIERA" (MOZART).**

Of this symphony, it is sufficient for me to say that the Mozart collector must have it. I like it almost as well as any of Mozart's symphonies—it is so deucedly clever, apart from being a delightful work musically. In it we can see the deft and discriminating brain of the composer at work so delicately that we are scarcely aware of his cleverness until we suddenly stop and look for it. His lovely little modulations, and careful balancing of weight as he works them out, are particularly appreciated in the last movement, which, with the first, are those which I like best.

The recording is clean, neat, and adequate. The keen gramophone lover will by this time begin to recognise the hand of Walter in the records. I haven't any criticisms of it. I enjoyed it very much indeed. I'm sure you will, too.

SONATA IN A MAJOR OP. 13 (FAURE)
played by HEIFITZ and EMANUAL
BAY, Violin and Piano. H.M.V. 3176/8.
Three records, 8/- each.

Most musical people have heard of Faure, the French composer and organist, although not many, I fancy, will have heard this sonata. I had not heard it before. It is very likeable, and in places very sweet to hear. One can clearly detect echoes of Cesar Franck here and there in both the music and the technique. I liked the first movement best, and the scherzo—quite a delightful piece of work.

The performance is quite good, but I was a little disappointed in the recording. It sounded as though it may have been done some little time before being released, although I can't say whether this is so. It may not be a "popular" recording, but those who are interested in the music will certainly be grateful for its release.

TODTENTANZ (Dance of Death)
(LISZT) played by BOSTON PROME-
NADE ORCHESTRA, with J. M. San-
roma at the Piano. H.M.V. EB116/7.
6/- each.

This is quite the most brilliant recording in the December lists. The thing that will impress you on first hearing it (in fact, it will hit you in the eye) is the amazingly dynamic playing of the soloist. The recording is of the utmost brilliance, even for the Boston Orchestra, and the way he makes his piano ring out is astonishing. I don't think I have ever heard a recording in which the piano has been given such a thrashing, without the slightest breakdown in tone or quality. If you get a chance, slip in somewhere and hear the fourth side. It will give you more "thrills per inch" than you've ever heard in your life!

The music is very brilliantly and strongly scored in the way Liszt does these things. Coupled with the excellence of the recording, the good balance of piano and orchestra (remembering the importance of the piano part) make it definitely a highspot. If you are keen on adding another test record to your list if for no other reason, hear what thingummybob does to the piano on that fourth side! Then write and admit that I told you so! But you'll need a good amplifier!

**O PARADISO (L'AFRICANA) (MEYER-
BEER).**
CIELO E MAR! (LA GIOCONDA)
(PONCHIELLI), sung by Jussi Bjor-
ling (Tenor). H.M.V. DB3302. 8/-.

After hearing the recording of "O Paradiso," I have very little doubt that Bjorling is one of the finest living tenors, if not the finest. In the first place, the recording is well handled—almost superbly so. In the second place, one must admire the remarkable evenness of Bjorling's voice—it does sound the same in quality at any end of his range. His high notes are taken with a fullness, a roundness, and an authority which gives you that indescribable but essential thrill as you listen. He has restraint, which is more—so far he is young enough to let his voice tell its story without the aid of vocal devices of doubtful ancestry.

This record allowed me to make up my mind about Bjorling, which I could not do from his earlier records. But they are not in the same street as this one. The reverse is just as good technically, and sung equally as well.

SAPPHIRE NEEDLES

Several people have written to inquire how I got on with the sapphire needle. All I can say in reply is that I have given it a good deal of use, and it's not worn out yet! I shall be interested a little later on to check it under the microscope.

Wireless Weekly Service Section

YOUNG IDEAS

By G. I. SMITH, A.B.C.

YOUNG people to-day are faced with a situation that is filled with the gravest dangers, yet at the same time never before has there been greater opportunity. It seems that the law of compensation always operates. When there is happiness there is some sorrow, when there is some sorrow there is a happiness living after it. So when there is crisis and tension there is also opportunity.

It is certain that we will do more for Australia if we are political conscious. By that I don't suggest that we become just partisans. Something broader than that is necessary to represent a complete political consciousness. It requires a knowledge of how our Governments are constituted. What are the functions of Parliament and which functions are carried out by local government. How is the local council constituted? It goes beyond parliaments and councils. It takes in unions, it takes in boards and Government departments, and the part played by Press and radio in community life. If we are to be of service to Australia we must know Australia, and if we are honest we must admit that many aspects of our national life are not understood by us, simply because there has been something more interesting to do.

That's the tragedy. A study of national life seems on the surface to be very dull. But its urgent necessity waives that aside. Can you answer for yourself just what you are doing for your community? Perhaps you are working and so producing goods. Certainly, but beyond that. Are you taking an active interest in national and international affairs? Are you making any attempt to stimulate your friends by discussing and studying problems that one day you will face directly?

It is certain that democracy needs participants, people who are alive to their individual responsibility, and are willing to make certain sacrifices in order to take the long-sighted view?

Great faith is placed in the younger generation. That faith would be misplaced if we did not take up the challenge and prepare ourselves to play some part in community and national life. No person can tell you what part you should play. If you are sincere and honest with yourself you will know what you are best equipped to do. It may be a seemingly simple task. It may be taking an interest in local government and stimulating people to realise the importance of appointing responsible people to carry out the important council work. It may be a larger field, but whatever it is and whenever your call comes we must work together as the rising generation of Australia, and pull together in the common reality for a better Australia.

This is not priggish advice. If you don't feel personally responsible to your country, and if you aren't particularly interested in its welfare, then anything that you are forced to do will not be of much value. Institutions are the shadow of the man. Great men leave their mark only because their sincerities, their whole-hearted energies were bound up

in what they did. Therefore it strikes us more clearly that there is a great responsibility on each and every one of us to set about now doing what we can to stimulate constructive thought in the community, and in carrying out anything towards that end that is to our individual viewpoint entirely right. If we live honestly by that principle we decide to throw ourselves into the project of achieving a better world or else we sit down and chew straw. The future development of civilisation depends on the mass answer to such a simple choice.

Listen to "Young Ideas," Sunday, 2BL, 8.40 p.m. "The Voice of Youth," Mondays, 2FC, 9.45 p.m.

MOTORING

By ERNEST WALSH

2UE's Motoring Editor

KATOOMBA, 3336 feet above sea level and 65.3 miles from Sydney by the Main Western Highway, can fairly claim the title of "capital" of the Blue Mountains.

Granted the status of a municipality in 1889, the town has made steady progress, as transport facilities have im-



proved, and to-day can claim to be ranked as one of the foremost tourist resorts of the State.

For the motorist who would combine his car trips with a few miles of hiking, Katoomba forms an ideal centre. During the car trip from the city, taking perhaps two hours, the tourist may reflect upon the fact that the same journey took the early explorers and pioneers months of strenuous travel.

Katoomba, advises the N.R.M.A., is a suitable centre from which to make longer journeys. Jenolan Caves is suggested, the distance is 49 miles over fairly good roads. Hassan's Walls, rugged buttresses on the western side of the Mountains, are less than 30 miles from Katoomba and historic Mount Wilson, 26 miles.

Motor User Pays Millions.—According to a return compiled by the N.R.M.A., motor users of the Commonwealth paid £6,396,300 to the various State Governments by way of motor taxation and licence fees during the year ended June 30. This amount exceeds the total collected during the previous financial year by about £650,000. The motorists of N.S.W. paid the largest share, £2,605,380, and Victoria followed with £1,832,459. Owners of vehicles who brave the tracks

of the Northern Territory contributed their share, £2233. The association points out that with the Federal petrol tax collection added to the State charges, Australian motorists last financial year paid the staggering total of £14,489,360.

No Longer a Nightmare.—That portion of the road to Burratorang Valley between The Oaks and the top of Burratorang Mountain, which for many years was a nightmare to motorists owing to its bad surface, now offers smooth travelling. A tar surface extends to a point half a mile beyond The Oaks, followed by one and a half miles of good gravel, the tar surfacing of which is in progress. Beyond this section an unbroken length of tar pavement extends to the top of Burratorang Mountain. Safety fences and culvert posts are being erected and painted. The road down the mountain into the valley is very fair.

The surface for the first mile is worn in places, and is followed by tar pavement for one and a half miles. The next section down the side of the range to Spring Corner, where the Lower Burratorang Road turns off, has recently been top-dressed and is in very fair order. Good gravel surface extended to the Nattai River and the N.R.M.A. camp in central Burratorang Valley. Between Camden and The Oaks the length of one and a quarter miles of metal surface, which was formerly in rough condition, has been improved and gravelled.

Tune-in to "Highway Happiness," conducted by Ernest Walsh, 2UE's Motoring Editor, every Wednesday night at 9.30.

DANCE MUSIC

By JIM DAVIDSON, A.B.C.

Leader, A.B.C. Dance Band

CONTINUING our talk on dance bands as an entertainment entity separate from ballroom music, I should like to draw your attention to the fact that the biggest movie theatres in New York, and, no doubt, other centres, carry a name dance band as part of their standard stage entertainment. This is not entirely new to Australia. You can cast your mind back to those splendid dance band shows presented by Ted Henkel and Will Prior. The terrific cost of installing the early talkie apparatus, plus the 1929 depression, compelled the theatres to drop this delightful form of entertainment. The time has definitely arrived when the dance band show is due for a revival.

With the arrival next year of the Duke and Duchess of Kent, dance band entertainment will get into its "soup and fish." There is certain to be a decided filip to dance band music in view of their fondness for dancing. It is well known that the Duke of Kent, apart from being a lover of dance music, is a very fine swing pianist. Just as he and his brother, the Duke of Windsor, have influenced the British public in their taste for the best in bright and popular entertainment, so his sojourn here is sure to have its effect on rhythm music.

Possibly you have wondered why, in the middle of the last decade, Great Britain suddenly became very dance band conscious. Well, Royalty was largely responsible. Back in 1920 the Duke of Windsor, then Prince of Wales, had become very interested in jazz bands. He frequently found relaxation

by taking over the drums at various night clubs, and he also had lessons from one of the visiting "trappists." The British public was soon convinced that there was something to be said for dance music, and it took on a certain prestige.

The Duke of Kent was the next member of the Royal family to show his inclination for rhythm music, and it was soon well known that his Royal Highness was gifted in the art of playing rhythm numbers on the piano. The British public was even more convinced on the matter of dance music, and, following the leadership of Royalty, began to show a liking for it. The best hotels spread themselves and spent huge sums engaging the best leaders and the best players. And how those really good dance players cashed in on the boom! There were only a few of them at the time—Ambrose was making £30,000 a year. Carroll Gibbons drew colossal earnings, and Hylton was able to ask for fabulous sums all over Europe. The public wanted dance bands and was prepared to pay for them. So you see, with the coming of the Duke and Duchess of Kent to Australia, our dance music should receive an unprecedented stimulus.

Hear Jim Davidson and the A.B.C. Dance Band, Saturdays, 2BL, 9.30 p.m.; "To-night We Dance," Friday, 2FC, 8.0 p.m. "The Hit Parade," Friday, 2FC, 5.0 p.m.

BOOKS

By HAROLD MORTON, 2GB and 2UE

READING LIST

Current Affairs: "Europe and the Czechs"—S. Grant Duff.
Travel: "The Man in Europe Street"—Rupert Croft-Cooke.
Adventure: "Titans of the Barrier Reef"—Norman W. Caldwell.
Fiction: "Sons of the Swordmaker"—Maurice Walsh.

DECEMBER is, especially a book month, and the Radio Library has instituted a unique service for invalids and elderly people which simplifies Christmas shopping and brings the facilities of the Library right into the home. Particulars may be obtained by phoning B2611.

"Europe and the Czechs," by S. Grant Duff, is a Penguin Special written within 48 hours, but as a result of two years' observation of affairs from Prague. The author, Miss Duff, was until recently the only English newspaper correspondent in Prague, and she has written vividly of the history leading up to the crisis, and then the implications of Hitler's invasion of Czechoslovakia.

The outstanding travel volume of the moment is Rupert Croft-Cooke's "The Man in Europe Street." The author went to Europe in a converted old fourteen-seater bus, with two young circus men as companions. He wanted to get in touch with the man in the street in the various European countries, and find out what his views were on various questions—just as he would hear the Englishman at his high mahogany bar airing his opinions. Unexpectedly, Germany was one of the happiest countries he passed through. There was no doubt that, just as the English take for granted that England is a kingdom with a popular royal family, so did these working men take the Nazi regime for granted. So it appears that the Ministry for Propaganda has done its work effectively by making the average working man believe in the Fuhrer! The author travels through most European countries, and his observations are interesting.

Adventure is always available to the fisherman, and Norman W. Caldwell has some spectacular yarns to tell in "Titans of the Barrier Reef." Caldwell accompanied Boyd Lee, who is well-known along the Barrier Reef as a great fisherman. "Lee made a name for himself on the Barrier that he will carry to his grave. That is 'Alligator Lee.' He earned it. It was Lee who secured the crocodile for Zane Grey when the latter was producing the film, "The White Death." This is probably the best book of its kind yet published, though "Battling with Sea Monsters" was very good.

Maurice Walsh, author of "Blackcock's Feather," etc., has written a new book, "Sons of the Swordmaker." This time it is published neither in Edinburgh nor London, nor Sydney, but in his own country of Eire. On the surface, this is a story of romantic adventure, with plenty of fighting. Yet it is the story of a pacifist in a most unpacifist age and amongst unpacifist people. The book is dedicated "to my sons, and I am no swordmaker." The swordmaker was Crugh, and he had five sons. Their adventurous lives are recorded with considerable beauty in the writing. I do not think anyone can fail to be interested in "Sons of the Swordmaker."

ALSO RECEIVED

"The Windsor Tapestry": Compton Mackenzie. Another view of the abdication—trenchant criticisms—book applauded by some and condemned by others.
"Renown": Frank O. Hough. Biography of Benedict Arnold, of War of Independence—always seeking glory, he toppled from fame to poverty and degradation.

"Laughing Diplomat": Daniele Vare. Not diplomacy, but memoirs in many places—man who has enjoyed his responsibilities.

"The Rains Came": Louis Bromfield. Powerful novel—Indian setting.

"Quest of the Overself": Paul Brunton. Work on occultism in the East.

"The Strange Crime in Bermuda": E. S. Holding. Murder tale with background of native superstitions.

Listen-in to Harold Morton from 2GB every Saturday morning at 10, and Monday and Thursday afternoons at 2.30. Also to Harold Morton and Doris Gowlan from 2UE every Tuesday and Friday mornings at 9.45.

AVIATION

By PILOT McKILLOP, 2UE

A GERMAN ACE OF ACES
BARON von Richthofen, the German ace of aces, was the victor of more than eighty combats in the air.

It was on April 21, 1933, the 15th anniversary of the death of the great

flier, that he was honored throughout Germany.

On the same date the Richthofen Museum was opened. In the silence of this building, airmen, friend and foe, are recalling those interesting and thrilling days when there was war in the air.

Gordon McKillop, 2UE's aviation ex-



A typical Nieuport, carrying one Lewis gun. This type of machine was used by many famous aces during the war.

pert, will tell an interesting story of the wonders of this museum in his "Flying High" Session next Saturday at a quarter to six.

Airminded (Pennant Hills): I have read your letter with interest with reference to the formation of a Cadet Air Force—together with the suggested lay-out and possibilities. You ask my opinion.

A.: Frankly, I think the idea a fine one, but I cannot see how it could possibly be arranged without, firstly, a lot of voluntary labor, and, secondly, quite a financial responsibility for the organisers, and a few who would hold executive positions. My suggestion is that you devote your energies by linking up with the Australian Air League, who are doing a similar work (and making a very good job of it). They have branches all over Sydney, and I feel sure they would be glad to help you, and give every encouragement to any new ideas which you may submit to them.

From Budding Pilot (Lakemba): Please advise, through your column in "Wireless Weekly," the condition under which I can learn to fly an aeroplane for 10/- weekly, as stated in your broadcast last Saturday evening.

A.: The people to whom the credit is given for such a scheme are Wings Pty., Ltd., of 32 Jamieson Street, Sydney. Groups of men and women undertake to pay a set sum of 10/- each week until the full amount of £32/10/- has been subscribed. The order in which each member commences his or her training is decided by regular ballot, and all members will commence training between the first and last instalment of the fees.

In my opinion, it is the finest scheme ever made available to the public, and will go a long way to assist those who are not in a position to learn to fly under ordinary conditions.

P. M. Irvine, Auchenflower, Brisbane.—Could you tell me where I could obtain books on aircraft design, construction, and rigging, also where I can obtain drawings, reports, and characteristics of successful aerofoils, suitable for the construction of light aeroplanes?

A.—I suggest you write to Mr. Harold Morton, of the Radio Library, Lisgar House, Carrington Street, Sydney. Mr. Morton advises me they have an aviation section in their library. If you care to join the Radio 2UE Call to Youth Club a library concession is available.



the fee is 2/- per annum, and I would be glad to attend to same on your behalf if so desired.

E.V.E., Canberra.—Who was the noted Italian ace during the Great War?

A.—Major Barracca, whose victories totalled about 21. I am unable to confirm this, as official records are not in my library.

E.H. (Moss Vale).—Can you give me particulars re correspondence course on ground engineering, as I am interested in starting my son off in the right way.

A.—In another part of your letter you mention that you will be in Sydney within a few weeks, and I suggest you call in and see me, as it would be impossible to give you full and complete details in this column.

Listen-in to Gordon McKillop from 2UE every Saturday evening at 5.45.

HOBBIES

CONDUCTED BY C. L. OLIVER,
2GB RADIO YOUTH CLUB

PRACTICAL ARCHERY
By P. SAUNDERS, N.S.W. ARCHERY SOCIETY

THE time has passed when a man's life was ordered by the twang of a bow string and the silken rustle of a feathered shaft, but in the hearts of many, love for the grand old sport is still as strong.

The art of shooting well with a bow and arrow requires much practice. The motions of shooting have been catalogued by experts into eight acts.

The shooting line is straddled, the feet being placed comfortably about 15in. apart, the body being at right angles to the target.

The arrow is then nocked, i.e., placed on the string, and the draw commenced. All the pressure is exerted on the string, the arrow being held between the first and second drawing finger, the string crossing the whole three fingers at the first phalanges. When the arrow is half drawn the fingers are slightly straightened, this causing the bowstring to roll slightly down. The arrow is sighted, a little flick, and the shaft is sped.

The target is a canvas covered, straw stuffed circle 4ft. 6in. in diameter, and the scores are recorded thus:—A gold or bull is 9, a red 7, a blue 5, black 3, and a white 1. These rings are 4½ inches across.

The usual round for men is the American—30 arrows at 60 yards, 30 at 50 yards, and 30 at 40. The women, because of their lighter bows, shoot the Columbia Round, 24 arrows at 50 yards, 24 at 40 yards, and 24 at 30 yards. These arrows are delivered in ends and end in archery, meaning six arrows after each contestant has loosed his six arrows, the scores are taken, and shooting resumed.

News of 40 hobbies and crafts is presented in the 2GB Radio Youth Club Sessions, conducted by Mr. C. L. Oliver from 2GB every Saturday night at 7 o'clock.

KEEP FIT

By DICK FAIR, 2GB

CONTINUING with our limbering-up exercises for the hard-worked business man, housewife, or schoolboy, this week I think we'll have a few "floor" exercises. But just before starting, don't forget the golden rule, a drink of hot water first thing in the morning, with the squeeze of a lemon, and your deep breathing.

Now let's get down on the floor. From the flat out position on your back, stretch your arms along the floor beyond your head. Making sure that you keep your heels on the floor during the entire exercises (it might be a good tip to get somebody to hold them for you),

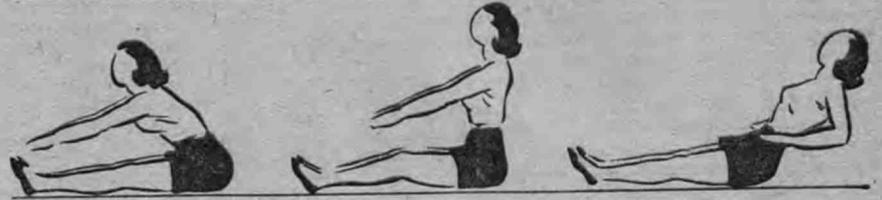
back as far as you possibly can and forward again to the toes and so on, as long as you can take it.

Those three exercises should keep you occupied for another week, and remember, when you're doing these exercises, take them seriously, concentrate, snap into them with military precision, and you will find that they won't be near the hard work you possibly think they might be.

Just in conclusion, I suppose lots of you people have a morning swim. Speaking about morning swimming, there's a question always arises, "Should I have anything to eat early in the morning before I go for a swim?" Personally, I always have a cup of tea or a glass of milk and some bread and butter or toast before swimming in the early morning.

Until next week, "Here's Health," which reminds me that many a man has ruined his own health by drinking somebody else's.

Tune in to "Here's Health," conducted by Dick Fair on 2GB every morning except Sunday at 7 a.m.



raise the top part of your body from the floor, seeing that you keep your arms well behind your ears all the time, bend forward and touch your toes with the tips of your fingers. Then lower the body back to its original position on the floor, being careful to lever the top part of the body down slowly so that you can feel the pull on the stomach muscles. Repeat this half a dozen times, and don't be disappointed if you can't reach your toes for the first few times, but make a reasonably stout effort to do so every time.

While we're down in this position, another particularly good exercise is more or less the reverse of the one which we have just done. Instead of bringing the top part of the body over to your toes, first of all place the arms down to your sides, palms of the hands on the floor. Then, keeping the legs perfectly stiff, raise the heels off the ground, bringing the legs right over your body, touching the floor with the tips of your toes behind your head. Then lower the legs once more back on to the floor again, being sure to lever them gently back until finally the heels touch the floor.

What sort of sculler are you? A good sculling exercise, going through the motion of rowing a boat can be done quite easily from a sitting position on the floor. Reaching forward, clenching the fists so that they are almost touching your toes (see diagram), imagine that you have a pair of oars in your hands and start the motion of rowing. Keeping the heels firmly planted on the floor, pull

RURAL INTERESTS

By J. A. CRAWCOUR
2UW's Rural Lecturer
MIXED FARMING

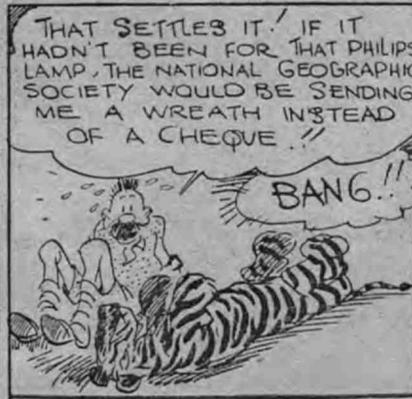
MORE and more is the trend to go in for mixed farming. I received information this week of a very progressive dairy farmer who had as a successful side-line about 600 head of poultry. This is an angle that can well be given some thought, and undoubtedly a market exists all the year round for the right type of table birds at prices that will pay the farmer.

SUBDIVISION OF PADDOCKS

It is not often that one's writings can be supported so speedily as in this instance. Last week I wrote about rotational grazing, and now I learn that a farmer in the Raleigh district has secured such wonderful results from small paddocks that he is running, on a 68-acre farm, no less than 68 pure-bred cows, together with some heifers, bulls, and horses. What an object lesson to those farmers who run about 70 cows on 200 acres, and what a difference in the cost of production!

WHEAT PRODUCTION

At a time when prices are high, wheat-growing is payable even to those whose land yields only 12 or 14 bushels per acre, and, of course, highly profitable where 30 bushels is the average yield.



Our wheat growers should remember that prices are not always high, for instance, at the present time, values are particularly low, and the farmer who only secures a low yield is in for a hard time. It is in times like this that the value of following is better realised. Twenty-four bushels off an acre of land every two years pays far better than 14 bushels every year. Saving of seed, labor in ploughing, drilling, harvesting, etc., much more than makes up the difference.

Listen-in to J. A. Crawcour from 2UE every morning at 5 o'clock.

FISHING

By OSCAR LAWSON, 2UW

"There are bigger fish in the sea than have ever been caught." And Zane Grey, the recognised big game angling ace of the world, is never tired of repeating that phrase. To Zane Grey goes the credit of landing the first really big shark in Australian waters. This was of the tiger variety and weighed 1037lb. Following upon Zane Grey's visit to these shores a couple of years ago, game angling has been set a new standard. Mr. Sil Rohu followed in Zane Grey's steps with a tiger shark weighing 1005lb.; then Mr. Bell broke Zane Grey's record with a shark 1151lb. And a few weeks ago a reported catch was of a tiger shark at Newcastle which weighed 1060lb. And now only a few days ago we hear of two white sharks being taken on rod and line off Port Lincoln, in South Australia, by Mr. G. R. Cowell and Major Erwin, two well-known South Australian anglers, which topped the scales at 1291lb. and 917lb. respectively. . . . the larger is said to be a world's record for this species. And so they get bigger and bigger! There is no doubt that fish of greater size and weight will be caught in the near future.

Jelly-fish vary a great deal in size according to the species. Those seen floating off our coast and in our estuaries generally measure from six to nine inches across, but in real tropical seas there are huge jelly-fish. One washed ashore near Bombay some years ago is said to have weighed several tons, but at the other extreme certain species found off the coast of Greenland are so small that a wineglass can hold three thousand of them. Though on shore they appear as a mere shapeless mass, in the sea jelly-fish are very graceful and beautiful.

Fishing generally is better right now than it has been for many years. There is no doubt that fish have made an early appearance in the many estuaries along the coast. Some vindictive person has circulated a rumor that sharks have been seen in Tuggerah Lakes. Mick Simmons, Ltd., have it from a most reliable authority that there are no sharks in Tuggerah Lakes. A recent report received indicated fishing wonderfully improved in this area, many fine catches of fish being recorded in the past week or two. This augurs well for the many fishermen who make Tuggerah their mecca over the Christmas holidays.

Listen-in to Oscar Lawson from 2UW every Thursday at 9.30 p.m.

BEAUTY

By SUSAN BELL, 2UW

DURING the outdoor season, special complexion problems are apt to develop, and toning of the skin becomes a matter of vital importance. It is certainly true that our skins to-day do need "toning up," our modern ways of living actually do make the skin lazy. It becomes relaxed and

sluggish, then pores begin to enlarge, the tiny glands which feed the skin and keep it smooth and supple get upset and do not function properly. Your skin is a working part of your body, and, if it isn't working properly, it becomes unhealthy.

There are many women and men whose skins, while not actually bad, have that dull, coarse look. If only they could see what a week's regular and effective toning-up would do, I am sure they would be amazed at the result, and they would understand why so much emphasis is put on toning-up the skin with a pore-deep cleansing creme, which should have a real tonic action. The big thing to remember about this toning-up of the skin is that it must be regular and systematic; it pays to have a method in beauty care as it does in the house or the office. There is a mistake so many people make in believing that a cleansing creme is an all-purpose creme. A penetrating cleansing creme's function is to keep the skin clear of blackheads and the pores finely textured, but, after any form of cleansing, it is necessary to restore the vitamin element to the skin and this can only be assured with the application of an Hormone Creme.

Next week I shall deal further with problems concerning the care of the skin and complexion, meanwhile, any of my readers who have any problems on figure, hair or complexion to be answered, a letter to me, c/o "Wireless Weekly" or Station 2UW, will find me at your service.

Listen-in to Susan Bell's Beauty Talk from 2UW every Tuesday and Wednesday at 9.50 a.m., and Thursdays at 5.55 p.m.

COOKING

By DOROTHY JORDAN, 2GB

LAST WEEK I gave you my recipe for a Christmas cake and this week I follow with my recipe for a Christmas pudding, since most people prefer to make them on the same day. Here, by the way, is an unusual hint for adding to the flavor of the Christmas cake and at the same time keeping it from going dry. When you take the Christmas cake out of the oven pour brandy or rum over it, cover with grease paper and towel overnight.

CHRISTMAS PUDDING

1lb. butter, 1lb. sugar, 9 eggs, 1 gill brandy, 1lb. currants, 1/2lb. raisins, 1lb. sultanas, 1/2lb. citron peel, 1/4lb. almonds, 1/2lb. breadcrumbs, 1/2 teaspoon carb. soda, 1/2 grated nutmeg, 1 teaspoon mixed spice, pinch salt, 1/2lb. flour.

Clean and prepare fruits, blanch and chop almonds. Cream sugar and butter. Add well-beaten eggs and brandy. Stir in fruits. Add breadcrumbs, sifted flour, soda, grated nutmeg and spice. Mix well together. Tie up in strong pudding cloth, allowing room to swell. Place in boiling water and cook for 6 hours on day it is made, and boil 3 hours on day it is to be used.

To keep up the Christmas spirit, pour half a glass of brandy or rum over the pudding, darken the room, and set brandy alight.

STUFFED BAKED FISH

1 mullet weighing 3 to 5 lbs. with head and tail removed, 1 lemon, 3 rashers bacon, 1/2 cup fresh breadcrumbs, 1oz. butter, 1 tablespoon chopped parsley, salt and pepper, 1 teaspoon grated onion.

Purchase fish with head, tail and scales removed. Cut deep incision on underside of fish and loosen fish to make room for stuffing. Rub inside with piece of lemon. Prepare stuffing from breadcrumbs, parsley, onion, salt and pepper, and melted butter. Fill fish and secure with toothpicks or a skewer. Place bacon

rashers over. Place in well-greased pan in hot oven 450 degrees, leave bottom switch at high for 10 minutes, then low for 45 minutes, or till fish is tender. Serve garnished with lemon, parsley and bacon.

HUNGARIAN FISH FRICASSEE

4 tablespoons butter, 1 cup sliced onion, 1 1/2lb. haddock, 2/3 cup water, 1 1/2 teaspoons paprika, 1 bay leaf, 1/2 cups diced tomatoes, 2 teaspoons salt.

Fry onion until golden brown in butter, add fish cut into small pieces and brown. Stir in other ingredients, pour into a casserole dish, and bake 40 to 50 minutes, 450 degrees top element off, bottom low. Garnish with lemon and parsley. Serve with jacket potatoes and green peas.

SPANISH TART

Pastry

8ozs. S.R. flour, 4ozs. butter, 1 egg, 4ozs. sugar.

Sift flour, rub in butter, mix to dry dough with beaten egg and sugar. Line tart plate with pastry.

Filling

3ozs. butter, 4ozs. sugar, 2 eggs, grated rind of 1 orange, 1 large grated apple, apricot jam, shredded coconut.

Cream butter and sugar, add well to beaten eggs. Add grated apple and orange rind. Spread pastry with apricot jam, then spread mixture over. Sprinkle top with shredded coconut and bake in moderate oven 450 degrees for 30 minutes, top off, bottom low.

ORANGE SPONGE PUDDING

1/2 cup sugar, 2 tablespoons butter, 2 eggs, 1/2 cup orange juice, 1 tablespoon lemon juice, 1/2 cup water, rind of half orange, 2 cups flour, 2 teaspoons baking powder.

Cream butter and sugar. Add beaten eggs and beat well. Add juices, water and grated rind. Fold in sifted flour and baking powder. Place in moderate oven, 450 degrees, top switch off, bottom low, for 40 minutes. Decorate with whipped cream and orange quarters.

Listen-in to Dorothy Jordan's "Banish Drudgery Session" every Monday, Wednesday and Thursday, and her Cooking Talk every Tuesday and Friday at 10.15 a.m., from 2GB.

GARDENING

By S. H. HUNT, 2UW

IT has always surprised me to note how few people realise just how acceptable and how appreciated plants really are when they are given to friends as a Christmas gift. Rest assured of this—anything that can be used to make the garden or home more beautiful will give your gardening friends far greater joy and pleasure than can be derived from other gifts that may be more costly.

I would like all those who read my articles on gardening to adopt the practice of giving plants as presents, something that will really live! Something that remains ever before the admiring eyes of your friends, reminding them of your thoughtful kindness.

The Christmas season usually finds a number of young couples starting out on their married lives. . . . that also is a time when friends can be practical, and give plants as presents. I remember reading an account about a famous screen star who was being married and her friends gave her a "floral" or "plant" tea, instead of the time honored "kitchen" tea.

I think the practice of presenting newly-weds with pot plants, shrubs, or flowering plants should be popular here, —what could be nicer in the time to come than for them to point with pride to a lovely big palm, tree or flowering shrub, which had been one of the many presented on such a momentous and happy occasion as their wedding day? At any rate it would be a pretty custom . . . and certainly quite different!

THE art of clothing bare walls lies mainly in the kinds of plants chosen for the purpose. Some of the rock used for foundations is almost beautiful in itself and needs only the introduction of some light and graceful greenery to accentuate its attractiveness.

(Continued on Page 49.)

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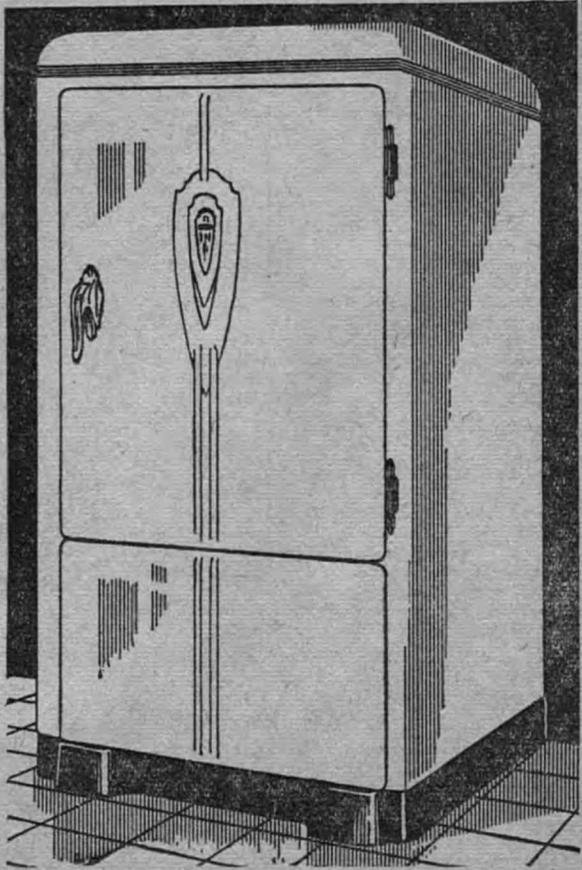
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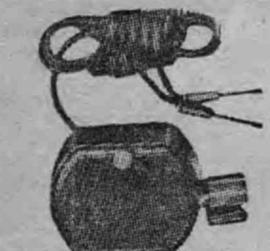
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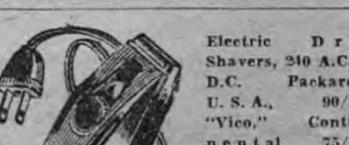


English Electric Solder Irons, 5/6.



Gramophone-Radio Pick-ups. Fit and suit all types of sets. Play your Gramophone through your Radio.

All models complete with Volume Control and Tone Arm. "Like-a-Flash" 22/6. Clarion 25/-. Cosmo-cord 25/-. Cosmo-cord de Luxe 32/6. Cosmo-cord High Definition 38/6. Cosmo-cord Super 45/-. B.T.H. Crystal 75/-. Amplion 28/6. Richards 25/-. Radio-Gramophone 210-Volt Electric Unit Gramophone and Pick-up, mounted on plate, 90/-.



Electric Dry Shavers, 240 A.C./D.C. Packard, U.S.A., 90/-.

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Direct from Factory to Levenson's to you.

Step down Transformers for Electric Razors, 10 watts, 240 to 110 A.C. Specially designed Bakelite Housing, plugs into ordinary lamp socket. 19/6.



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Bakelite Type, with separate Volume Control, 23/6.

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All will fit standard tone arms and are the world's best units.

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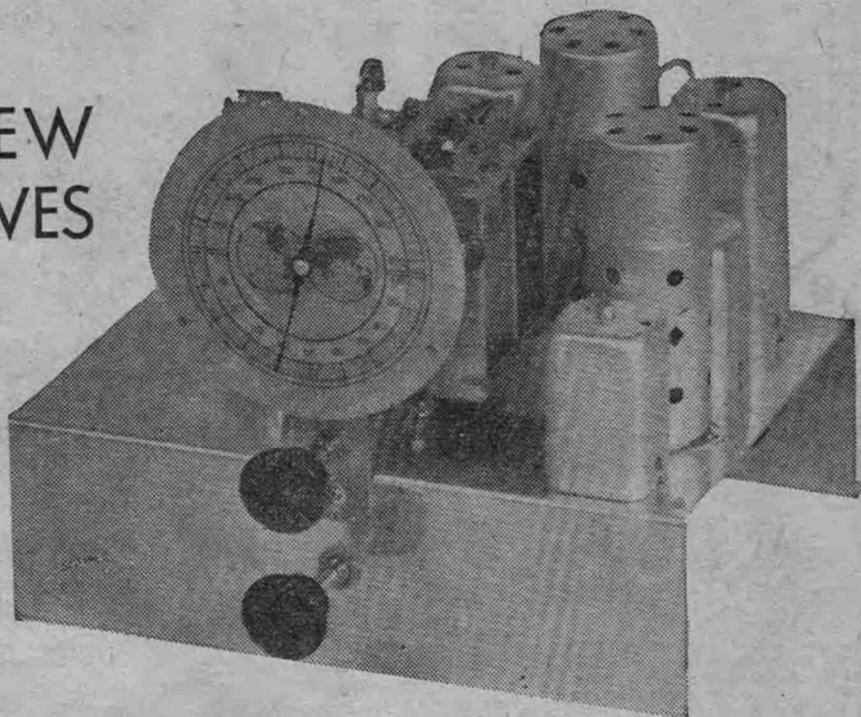
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THE NEW PENTAGRID 4

USES THE NEW BATTERY VALVES

Simplicity is the outstanding feature of this set. Any good dial may be used, preferably one that needs no illumination.



This is the most economical battery set yet released in Australia or described in a journal. It needs only 1.5 volts and .25 amps. filament power, while 90 volts of B batteries supply a total drain of only 8 milliamps.

THE battery set described here is the most economical four-valve receiver one can build at the present time.

We make that statement because the set itself is the first to be described or released in Australia using the latest 1.4 volt filament battery valves, which everyone hopes and expects will be wonderfully useful in our receivers in the coming season.

We have already published a good deal about these valves, so it is unnecessary to go further into their detailed specifications or give a full recital of what they can do. It is sufficient to say that although the filament supply is obtained from a 1.5 volt dry battery the drain is only .25 amps.

The nearest we can get to this using valves previously released would be .3 amps. at 2 volts. These valves would then need 135 volts B battery to give their maximum performance.

Our new receiver is designed to operate on only 90 volts maximum high tension, and no more than this is permissible.

In H.T. drain, the best one could do with sets in the past, using the same valves as above, would be from 12 to 14 milliamps at 135 volts.

PARTS LIST

4-VALVE BATTERY SET

- Chassis, 10 x 7 x 3.
 1—460 k.c. B'cast coil kit (aerial coil, oscillator coil, 2 intermediates and padder).
 1—2 gang condenser with trimmer.
 1—Tuning dial to suit.
 1—.5 mfd. tubular condenser.
 2—.1 mfd. tubular condensers.
 2—.01 mfd. condensers.
 1—.00025 mfd. condenser.
 1—.0001 mfd. condenser.
 2—1 meg. resistors.
 1—.5 meg. resistor.
 1—.25 meg. resistor.
 1—.2 meg. resistor.
 1—.5 meg. potentiometer and switch.
 Valve sockets—4 octal, 1 5-pin, 1 4-pin.
 Speaker—permagnetic matched for pentode.
 Valves—1A7G, 1N5G, 1H5G, 1C5G.
 Nuts, bolts, terminals, etc.
 Batteries—2.45 volt B batteries, 1.9 volt C battery, Dry cell A battery (see text).

This new set uses 8 milliamps at 90 volts, or about half the total power. Only two batteries are needed instead of three.

As if this isn't enough to make one sit up and take notice, the output pentode has a maximum output of 200 milliwatts, which, although it is less than that of the earlier pentodes, is quite enough for the average man.

These facts don't sound much in cold print, but they sum up what is probably the most important development in battery valve design in the last few years. At the present moment there isn't a factory in Australia that isn't working hard with these valves to see what they will do, or longing to get their hands on the samples which are now here.

We are told that stocks of these valves sufficient for the supply over the holiday period will be in Sydney when this article appears, and larger supplies will reach us a few weeks later. So no one should go short, even if he wants his valves in a hurry.

THE CIRCUIT

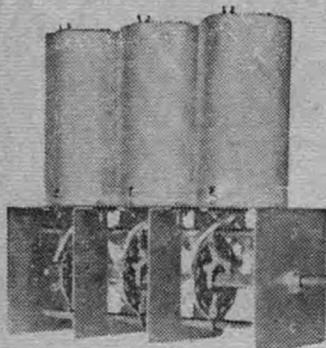
So much for the valves themselves. If you take a look at the circuit you won't find there is much difference from circuits we have used in the past for sets of the Pentagrid type. The valves do not require any major circuit alterations, and will work quite well with standard broadcast coils as are available anywhere in several reputable makes. For the very maximum results, it is true that slight amendments to

FOR THE
BEST RESULTS

SPECIFY

R.C.S.

Parts for the Circuits featured
in this issue of Wireless Weekly



THE DE LUXE STEREOSCOPIC TUNER

Comprises aerial R.F. and oscillator D/W coils with wave change switch and broadcast padder, completely wired and assembled on a rugged steel bracket, which is simple to mount on Chassis. This unit has been especially engineered for this particular set, and will produce outstanding results. TYPE K95 D/W coil unit. Retail Price, £3/3/-. Special Iron Core Intermediates for the "Stereoscopic Tuner Type I.F. 56 and 57, Retail Price, 9/- each.

THE 585 K.C. DUAL WAVE CONVERTER

The R.C.S. kit for this new converter comprises the aerial and oscillator D/W coils and wave change switch with trimmers and bracket. Also Broadcast padder, together with special 585 K.C. coupling coil. The design of the D/W unit is one which has been successful and popular, and has been specially adapted to this converter. The coupling coil is of special design and made to suit exactly the conditions of this circuit. The 585 K.C. D/W converter kit type K97, Retail Price, 40/-; 585 K.C. coupling coil only, Retail, 15/-.

THE FOUR-VALVE BATTERY SET

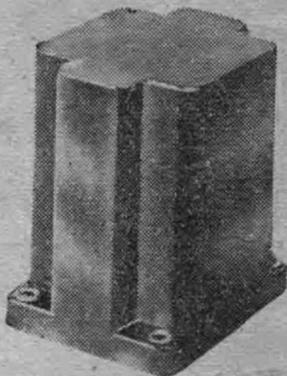
This coil kit comprises aerial and oscillator coils, first and second iron core intermediates and padder. These coils and I.F.'s are contained in square shields and are the latest product from our laboratory, designed especially for these new type valves. You cannot go wrong in wiring up, as our new design mounting panel is embossed, showing identical letters at connecting points with those in "Wireless Weekly" diagrams. The four valve battery coil kit complete, Type K96, Retail Price, 31/6.



MIDGET LITZ WOUND BROADCAST COILS

These Midget Aerial, R.F. and Oscillator Coils are, due to their small size (1 1/2 in. by 1 1/2 in.), ideal for Mantel, Portable or

Car Radio. The coils are sensitive and selective, and are the latest Product from our Laboratory. You can't go wrong in wiring up—no color or number code needed—as our new design mounting panel is embossed, showing identical letters at connecting points with those in "Wireless Weekly" diagrams. Ask for type HC 51 Coils. Price, Each, Retail ... 5/-



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LOWS.—
TP5-6 Volt Vibrator Transformer retail, 15/-; TC 11 Vibrator H.T. Choke, 12/-; TC 12 Vibrator L.T. Choke, 12/-

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Type No. T.C. 46 30 henry 125 M/A audio choke metal shielded case specially recommended for "Stereoscopic Nine" retail price 17/6. TB4 A Class Single Audio 15/-; TB5 A Class P.P. Audio, 15/-; TB6 A Class Input Audio 15/-; TAI Audio Choke Audio 15/-; TMI Modulation Transformer 30/-.

IRON CORE INTERMEDIATES

These precision wound Iron-core I.F.'s for 460 K.C. provide extremely high gain and selectivity within the practical limits of usage. The Litz windings are Vacuum impregnated ensuring long life. Isolantite Type Base.

- Type IF11, Low Gain, Litz Iron Core, 460 K.C., Round Can. Price ... 9/-
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- We can supply all types of I.F.'s, some of which we list below:—
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Type IF56 Intermediate

ASK TO SEE THE
NEW R.C.S. VOLT-
AGE DIVIDER.

Type V.D. 25 15,000,
Retail 1/6; Type V.D.
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OBTAINABLE
FROM YOUR
LOCAL DEALER,
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RADIO PTY. LTD.

50 GLEBE STREET, GLEBE.
'PHONE MW2405.

the screen voltage. Use 45 volts, and no more.

Note that the grid leak of the oscillator is 200,000 ohms instead of the more usual 50,000 ohms. This is the only difference in the oscillator circuit compared with that of the conventional type.

COMPONENTS

The components are all standard types. The coil kit—a broadcast 465 kc. type, uses the small cans, as will be seen from the photographs, with an iron-cored aerial coil. The gang, of course, is fitted with trimmers. The tuning dial

may be any type you fancy. We used a conventional type, not because we recommend it particularly, but because it is a type which can easily be read without illumination. Dial lights aren't desired with a set having such a low battery drain.

For a change we used a .5 meg. volume control with a built-in filament switch for convenience. This allows the set to operate with only one control knob apart from the tuning condenser, and this is a convenience.

All the resistors may be 1 watt or * watt types. Tubular condenser, etc., are all standard types.

The chassis we cut out ourselves, but there is no reason why a standard Pentagrid 4 type chassis should not be used if desired. It wouldn't matter if the chassis were larger or the layout slightly different.

CONSTRUCTION

The layout of the set is such that it is suitable for mounting in any kind of cabinet, from a console type to a portable type. If extreme compactness is required, it could probably be squeezed even smaller than it is at present, although this should scarcely be necessary. The wiring is perfectly straightforward, and is shown in our diagram.

Note that the three resistors in the centre of the chassis are mounted together on a single panel—in this position they are conveniently situated and firmly fixed in place.

All the sockets are octal, and the connections are normal. The 1H5G has only one diode, as we have already pointed out, therefore only one terminal of the socket carries a diode connection.

THE BATTERIES

One of the most important things about this set, of course, are the batteries. The voltage required are as we have said, 90 volts high tension, and 1.5 volts A battery.

It is this last battery which will present the problem. However, by the time this article is in print, the battery manufacturers will probably have on the market a special A battery for the set, built up in a carton about the same size as a super duty B battery, and costing the same amount. It is to be hoped that by this arrangement a set of this type will run for almost 1000 hours on one set of A and B batteries.

In any case, there is no reason why the set can't be run from any 1.5 volt battery of any size, at a pinch. It is almost impossible to be caught with a run-down A battery, because even a couple of torch cells in parallel will give a few hours running in an emergency. The ordinary bell batteries at 1.5 volts would be quite suitable—three of these giving quite a few hundred hours of service. However, the best plan is, of course, to buy the special batteries made for the valves.

LINING UP

Lining up the set is very simple. Start off with the padder unscrewed about three turns, and the trimmers loosened off about half-way. You should be able to hear some station at the bottom of the dial. If you do, tune to it, and adjust the aerial trimmer until it is loudest. If the station is too low on the dial, loosen the oscillator trimmer and try again. If too high on the dial, tighten the oscillator trimmer. Having got a good adjustment with the trimmers, leave these alone, and swing up to the top of the dial. Pick out some station there, and tune across it from side to side, at the same time making adjustments to the padder. The right position for the padder is the one which gives the loudest signal. This should correspond approximately with the marking of the station on the tuning dial.

(Continued on Page 34)

THE GENUINE

ELECTRIC DRY SHAVER

"KWIK-SHAVE"

240 VOLT AC OR DC, GUARANTEED ONE YEAR

ALL BAKELITE
CASE AND
DETACHABLE CORD



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BRUSH, GIFT BOX & FULL INSTRUCTIONS

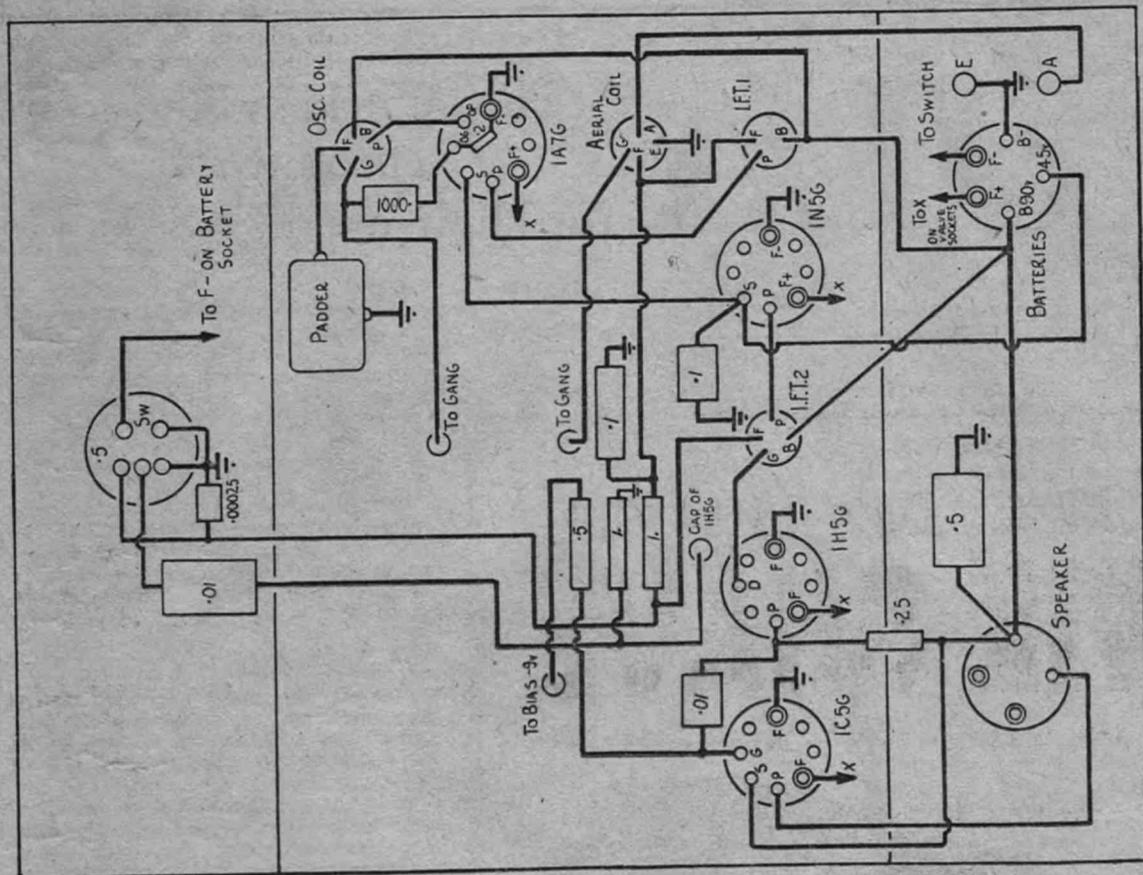
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BRANCHES: 6 ROYAL ARCADE & 567 GEORGE ST.



This wiring diagram shows details of layout and connections. It is drawn to scale, so you can make measurements from it.

A Precision Instrument that is Vital to Every Serviceman!

Here is an instrument of such efficiency that it merits a place in every radio laboratory and workshop... the Calstan AC 223 Multitester! It will test every valve used in Australia, and in addition to the emission test a Neon leakage indicator is fitted for individual electrode selection. Eleven steps for filament voltage from 1.5 to 30 volts are provided. The AC 223 Multitester range is:—A.C. and D.C. VOLTS: 5, 10, 50, 250, 1250. MILLIAMPERES: 5 Ranges, 1, 5, 25, 100, 250. OHMS: 5 Ranges; from 1 ohm to 5 megohms.

THE CALSTAN

AC223 Multitester!

Price: A.C. and Vibrator-operated Portable:

17 guineas
PLUS SALES TAX.

CALSTAN
(CALibrated to STANDard)
TEST EQUIPMENT

For . . .
Accuracy and Reliability!

The Calstan AC 223 Multitester is also an excellent instrument for lining-up sets, and as a "Multimeter" operating in conjunction with the Power Supply an electrolytic condenser leakage test is available, and condensers may be checked at 10, 25, 100, 150, and 250 volts, and a "GOOD"—"?"—"BAD" meter scale provides the necessary indications.

Made and Guaranteed by

SLADE'S RADIO PTY. LTD.,
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FREE!

For a limited period to purchasers of the AC 223 Multitester—a new 6-Volt Vibrator Unit to convert the Multitester to a general purpose instrument for 240 Volt A.C. or 6 Volt Battery Operation. Order early!

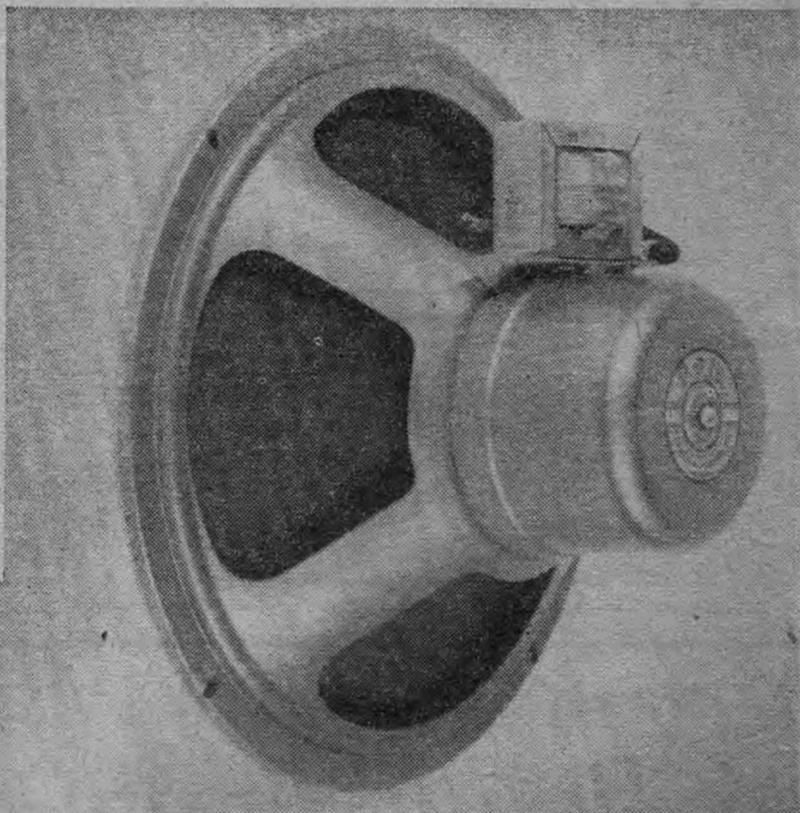
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Reproducer
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Rola's pledge has been to produce the finest possible loud-speakers according to their price class. It has been their aim to present a range, every member of which offers you the best value, whether you require a midget speaker, or a heavy duty reproducer for a high-powered amplifier system.

The Stereoscopic 9 has been developed using Rola speakers K12 and 8/21. Rola speakers are always the standard of comparison. This fine receiver will give you its outstanding results — always — if you too use Rola speakers.

All Rola Speakers have been reduced in price as from October 1st. The prices shown for the K12 and 8/21 are in accordance with this reduction.



ROLA K12

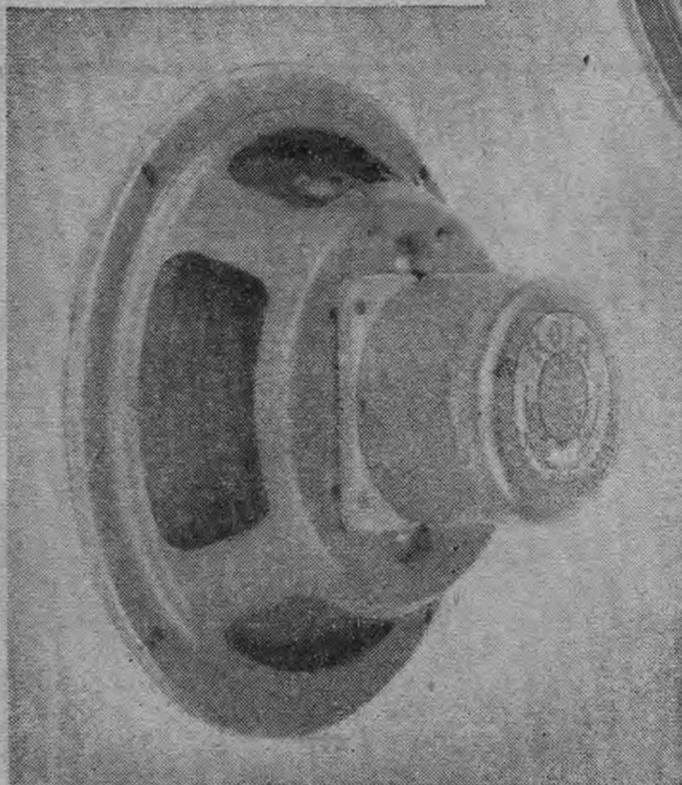
The Rola K12 is a twelve inch cone speaker of excellent frequency response, designed to handle considerable input without distortion. A special voice coil support allows a large excursion with complete reliability—a 3-point suspension spider is used in conjunction with Rola's dustproof assembly. Voice coil has 2.8 ohms impedance at 400 cycles. The ideal speaker for high quality receivers.

55/- LIST

ROLA 8/21

A permagnetic speaker designed for a fine high-note response, with particular emphasis on transient response. The high efficiency permanent magnet is largely the cause of this speaker's fine characteristics. It has a voice coil impedance of 2.8 ohms at 400 cycles. It is the ideal speaker to use in conjunction with the K12 for Stereoscopic Reproduction.

45/- LIST



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THE . . .

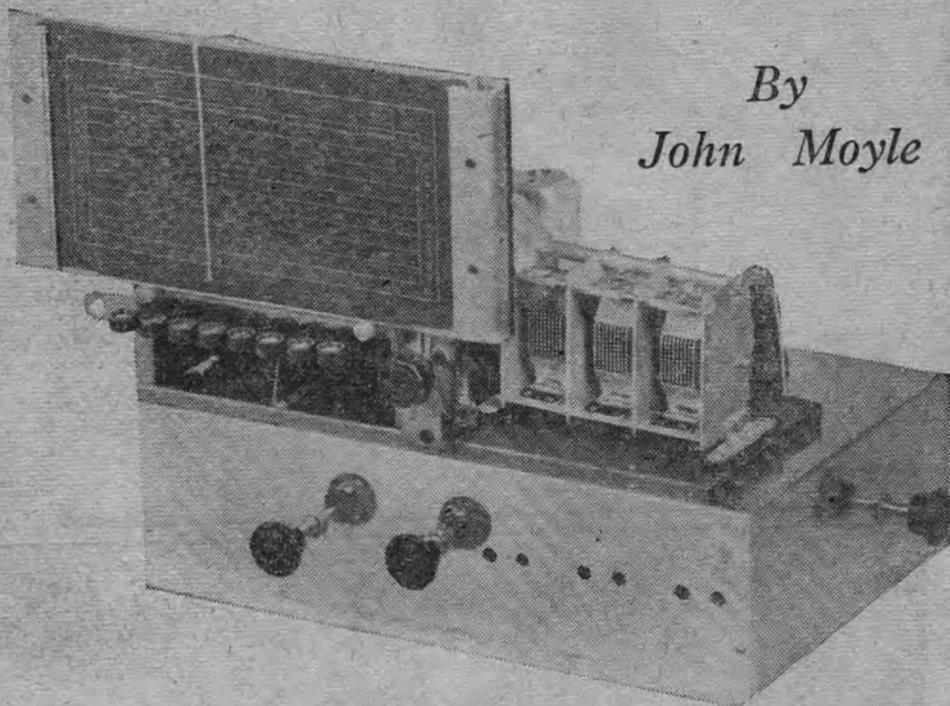
STEREOSCOPIC 9

RADIO-GRAMOPHONE DE-LUXE

By
John Moyle

☆

This magnificent combination set features dual-wave tuning, press-button tuning, variable selectivity, high-fidelity output, and stereoscopic reproduction. Built for the very finest radio and record reproduction.



☆

Above: Front view of the tuner. Note holes for adjusting trimmers through the chassis. A dummy knob on the cabinet will balance the panel.

EVERY once in a while we describe in these columns something "super" in the way of receivers. The idea behind these sets is to present something which may be regarded as the last word in design suitable for the home builder to handle, and which will have features which are not obtainable elsewhere.

This Stereoscopic Nine is in line with this policy. It has quite an array of features not to be found in the average set which you can buy, and some of them are not contained in any receiver obtainable anywhere.

In essentials this set is a dual-waver with nine valves in all. The tuning end is equipped with press-button tuning, using the latest Efco mechanical dial, which has proved so satisfactory in practice.

In order to make the most of this feature we have included a special intermediate transformer which allows the selectivity characteristic of the intermediate channel to be widened out; firstly, to allow for any small discrepancies which might occur in the press-button dial; and, secondly, to give even better reproduction from local stations by avoiding, in one setting, the sharp, peaked tuning characteristic of the modern superhet.

The tuner itself is complete in one unit, and is coupled up to the audio amplifier. This is the same amplifier which we described a few months ago, and known as Stereoscopic Amplifier No. 2. It features a push-pull output stage using a pair of 2A3 valves, with trans-



The audio amplifier and power supply are mounted on a separate chassis.

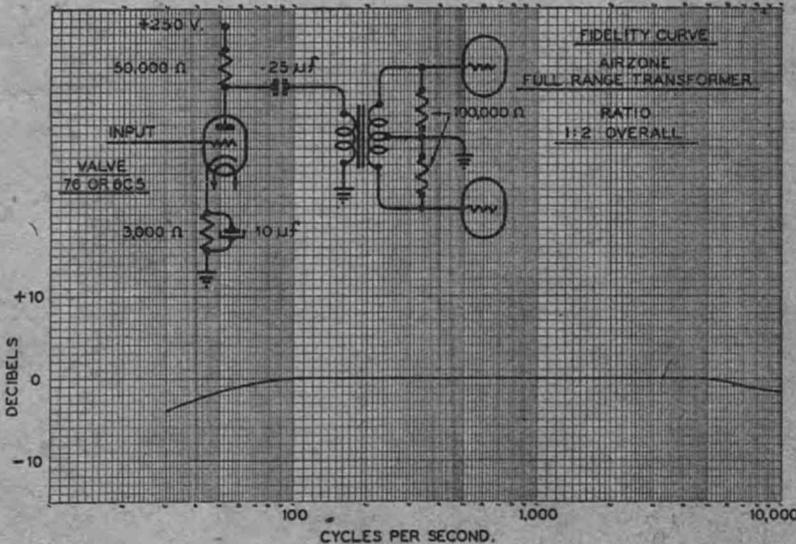
AIRZONE FULL RANGE AUDIO TRANSFORMER

Type 312

The Airzone full range, push pull, interstage audio transformer is a super "high quality" transformer of the very latest design and construction.

CONSTRUCTION

The core is of the latest type, high permeability nickel alloy and a special form of winding is employed to give the remarkable frequency response. The windings are vacuum impregnated and the transformer sealed in the bakelite case with a special compound, rendering it entirely moisture proof, which ensures freedom from break-down even under severe tropical conditions.



SPECIFICATIONS

Push-Pull, Class A.
 Amplification ratio, 1 to 2 overall.
 Suitable for coupling one plate of 26, 27, 37, 55, 56, 76, 86, 6C5, to push-pull grids type 10, 41, 42, 43, 45, 47, 48, 50, 71A, 2AC, 2A5, 6F6, 6L6.

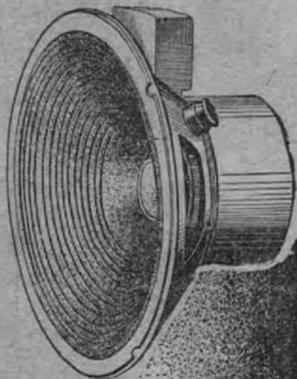
Connection: The type 312 full range audio transformer is for use only in a circuit having the shunt feed or parallel feed method as shown on the connection diagram.

Warning: Under no circumstances must Direct Current be passed through the windings.

Designed and Manufactured by
AIRZONE (1931), LTD.,
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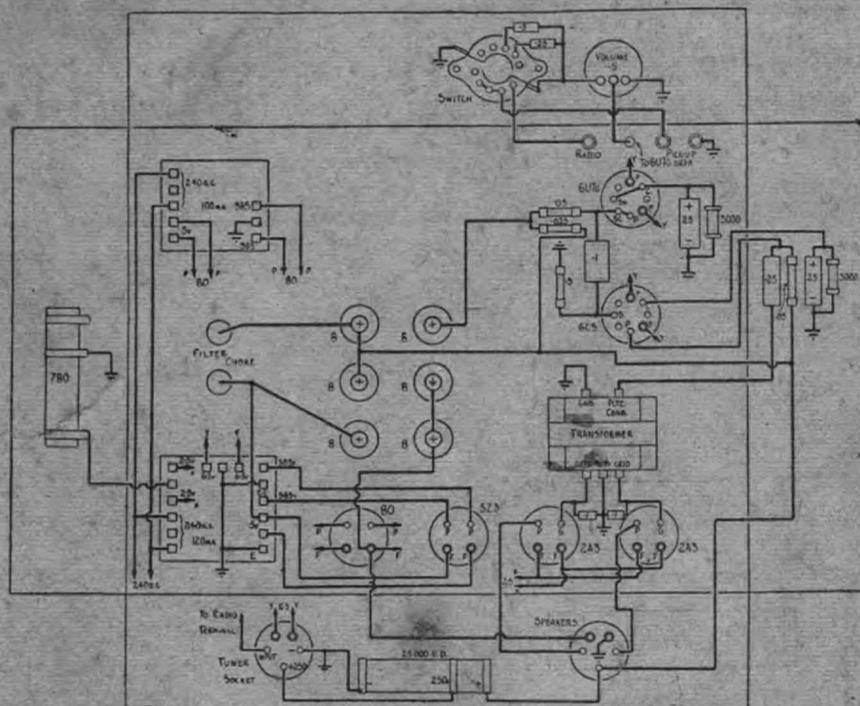
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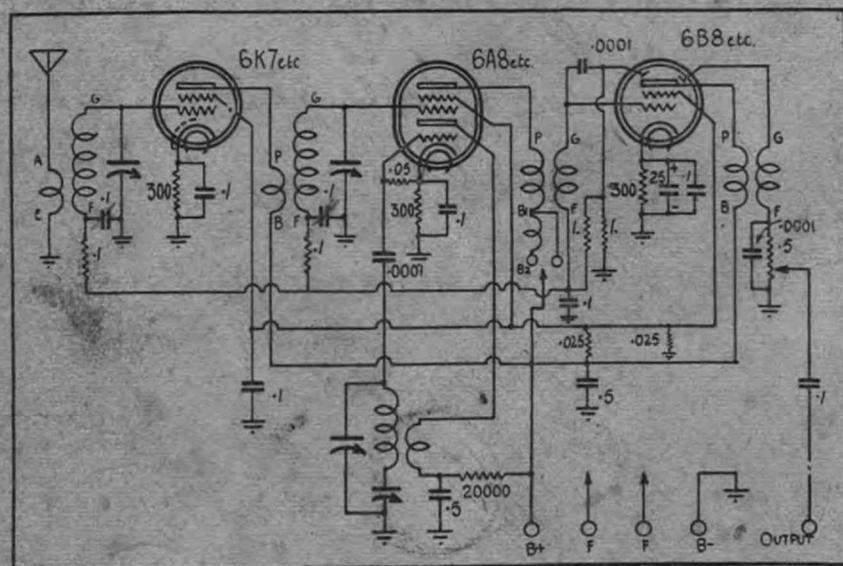
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NAME
 ADDRESS



Here is the wiring diagram of the amplifier, with socket connections for the tuner.



The Circuit of the Tuner.

STEREOSCOPIC NINE DE-LUXE PARTS LIST AMPLIFIER

- | | |
|---|---|
| 1—Base, 16 x 12 x 3 inches. | 1—25,000 ohms resistor. |
| 1—Power Transformer, 385-0-385 V. at 120 m.a., 6.3 V. at 3 amps, 2.5 volts at 3 amps, 5 V. at 3 amps. | 2—3000 ohms bias resistors. |
| 1—Power transformer, 385 V. at 100 m.a., 5 V. at 3 amps. | 1—1000 ohms 100 m.a. resistor with tap, or 750 ohms at 100 mills. |
| 1—30 Henry filter choke at 120 m.a. | 2—25 mfd. electrolytics. |
| 6—8 mfd. electrolytics, 550 or 600 V. rating. | 1—.25 mfd. tubular condenser. |
| 1—Airzone audio transformer, P.P. | 1—.1 mfd. tubular condenser. |
| 2—.5 meg. resistors. | 1—.5 meg. potentiometer. |
| 2—.1 meg. resistors. | 1—2 x 5 switch. |
| 1—.25 meg. resistors. | Sockets—2 octal, 4-pin, 1 5-pin. |
| 2—50,000 ohms resistors. | Valves—6U7G, 6C5, 2-2A3, 80, 5Z3. |
| | Speakers—2 K12, 1 8/21 (see text). |
| | 3 Terminals, 2 knobs, nuts, bolts, terminals, etc. |

former coupling to the driver valve. Used in this stage is an audio transformer specially made up for the job by Airzone, and, having exceptionally fine frequency characteristics. Using as it does special iron in the core, it is shunt-fed with a resistor-condenser circuit. It is, in fact, essential to use such a circuit with this transformer, otherwise the passing of current through the primary would almost immediately destroy its fine quality.

It in turn is driven with a pentode valve used as a triode, resistance coupling being used in this stage.

The output system is stereoscopic—that is, it uses two or more speakers designed to widen out the source of sound, so that the low frequencies are produced at one side of the room and the middle and high at the other. This gives the illusion that the performance is taking place not at one spot, but in the space between the two speakers, and the effect of breadth and depth which is the result can only be described as remarkable. No other receiver in Australia has this feature which has been developed by "Wireless Weekly" over the past few months.

Thus we have a set with automatic tuning, variable selectivity, dual-wave reception of a high order, about 10 watts output with the highest possible quality, and Stereoscopic reproduction. The amplifier is, of course, used for record reproduction, and in combination with a crystal pick-up is better than any other amplifier you have heard.

THE TUNER

The tuner is built on a base 15 x 9 x 4 inches deep. As the dial necessitates the condenser being mounted lengthways on the chassis, some rearrangement of the coil mounting must be used. As we are unable to locate suitable right-angled gears to mount on the condenser shaft, thus allowing the wave-change control being mounted in the front of the chassis the control is at the side, and is continued on through the side of the cabinet. There is no real objection to this scheme, and many sets have been produced commercially in the past with controls mounted at the side. If the existing shaft is not long enough, extension pieces are available and are easily fitted.

This layout calls for rather longer grid leads than usually met with, but they do not appear to materially affect the performance of the tuner itself. The leads to the gang run under the coil-unit, which is mounted on its side and up through the chassis to the gang itself. The grid leads from the R.F. and converter valve run down through the chassis and connect direct to the grid terminal of the coil unit.

The tuning condenser is mounted on the sub-chassis, which supports the dial, and has rubber feet to hold it in place. Therefore, it is necessary to earth the three little spring pieces on the gang, direct to the chassis underneath the gang itself, using a nut and a solder lug. Don't forget this, otherwise you will probably have oscillation troubles, because the gang will only be earthed through the dial mechanism itself, and that isn't sufficient.

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PALEC TEST EQUIPMENT AND METERS



**CATHODE RAY OSCILLOGRAPH
MODEL "CJ"**

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Palec Model "CM" Multi-tester, which measures D.C., A.C. and output volts, decibels, mills, ohms, and megohms capacity, inductance, impedance and a.v.c. voltages. Price, £12 15s, plus tax. Analyser Selector Unit, £2 15s extra, plus tax.

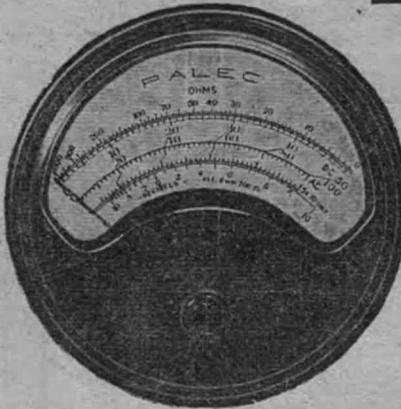
PALEC METERS

Below is illustrated the Model "475," a 5in. type meter, particularly suitable for bench work and panel mounting.

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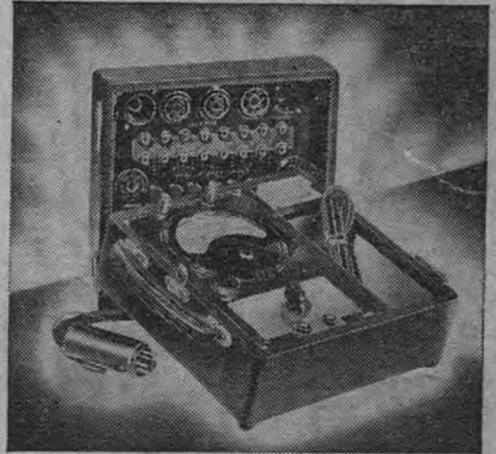
RANGES:

D.C. volts, 10-100-500-1,000 (at 1,000 ohms per volt).
Ma's, 1-10-50-100.
Ohms, 0-2,000-20,000-200,000-2,000,000.

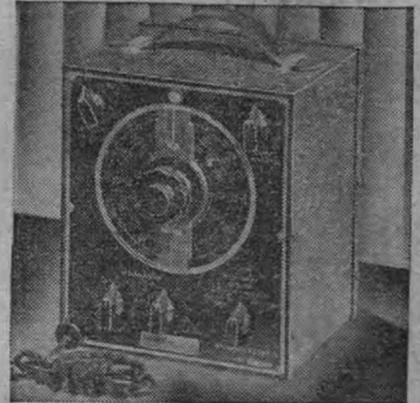
The latter range is obtained by connecting an external 45 volt battery to the terminals provided. The instrument is supplied in a well-fitted leatherette case complete with test leads.

MODEL "M5." Trade Price £5/17/6, plus tax.

MODEL "MA5" has four additional ranges of A.C. and Output Volts. Trade Price £7/19/6, plus tax.



Palec Model "VCT" Valve and Circuit Tester, which enables complete valve and circuit analysis. Price, £15/10/-, plus tax. Special country model "VCT" is available, operating either from A.C. mains or six-volt accumulator. Price, £17/17/-, plus tax.



Palec Model "DE" A.C.-Operated Test Oscillator, with vernier direct-reading dial calibrated in k.c. and metres. Has five ranges covering from 150 k.c. to 1600 k.c. Model "DE" is for battery operation. Price, £10/15/-, plus tax.

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Wireless Weekly, December 16, 1938

The wiring diagram of the unit would be almost impossible to draw out in full, owing to this construction, acting on the principle that too intricate diagrams are confusing, we have omitted it. Anyone who can build this set won't need the wiring diagram to allow him to finish it. It isn't really hard to build, but it is hard to complete a diagram without confusion.

The special intermediate has two leads for connection to high tension—green and black, marked on our diagram as B1 and B2. We used a single pole double throw switch to change over, bonding two of the opposite contacts together, so that in each position it will connect alternately to each of the two wires, B1 and B2.

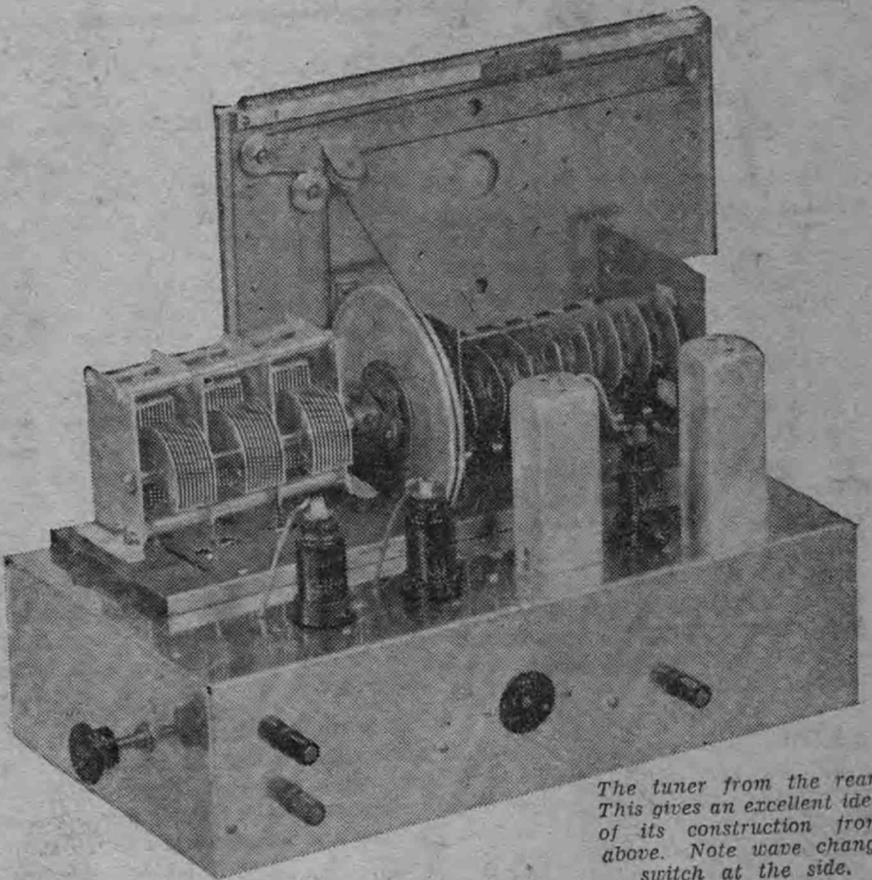
The output terminal to the set is at the back of the chassis—or it can simply run through the shelf on which the tuner stands, down to the amplifier, should this be mounted below it. If at the side, the wire could come through the top of the chassis over to the amplifier. The power leads are connected through a valve socket at the back of the tuner, and plug into the amplifier, as per the wiring diagram of the latter.

We used metal valves in the tuner, but equivalents in glass types will be quite in order, using shield cans. Thus the 6U7G could be used for the 6K7, the 6A8G for the 6A8, and the 6G8G for the 6B8, and so on.

The lining up of the coils is accomplished through holes drilled in the front edge of the base. It is a simple matter to locate the positions for these holes, with the coil unit temporarily in place, and then drill them out with a 1/16 in. bit. They need be only large enough for the adjusting screwdriver to project through.

THE AMPLIFIER

The amplifier has its separate base, and it carries the power supply for the set as well. The power supply should be at least 120 mills. capacity, and, to



The tuner from the rear. This gives an excellent idea of its construction from above. Note wave change switch at the side.

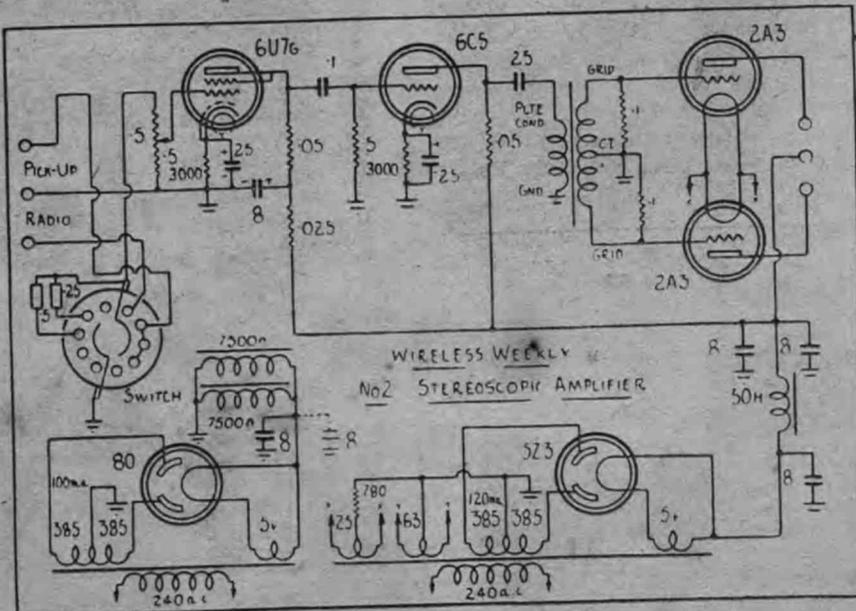
be on the safe side, 150 mills. The amplifier will draw about 85 mills., the voltage divider about 15, and the tuner about 15 at the most. This total is exactly 120 mills., and most of these big transformers don't mind a milliamp or two either way. Still the 150 mills. type will be best.

The speaker fields are energised with a separate transformer as to use the

same power supply would call for something pretty big. In the original set we used two speakers in the low-note horn, and ran their field at a high wattage. So we use a 385 volt 100 milliamp transformer here. If you do the same, a pair of speakers with 10,000 ohms fields will mean a current flow of about 40 mills. which, in turn, means about 15 watts. In our case, a pair of Rola K12 speakers were used, with resonated cones to give an even bass response. These are obtainable from the distributors of the speakers. The high-note speaker is a Rola 8/42 —this is a new model, highly efficient, and is recommended. The type 8/21 is, however, a cheaper speaker, because of its smaller magnet, and we used it for a long time with every satisfaction. It is quite in order for you to do the same.

The transformer which feeds these speakers is mounted at the back of the loading horn, or it can be mounted on one of the speakers. It has one secondary of about 1 ohm (2 ohms for a single K12), which feeds both voice coils in parallel, and another of about 5 ohms for the 8/42 or 8/21. These are both permagnetic speakers, which means that they need no energising in the field.

In series with one lead to the permagnetic speaker (either type), connect one or two 25 mfd. electrolytic condensers. Two will feed more bass to this



The circuit of the amplifier section.

speaker than one, and you can balance it thus to suit your requirements. The idea of the condensers is to keep the bass notes from the smaller speaker, which is the reason it can handle so much power.

The set, of course, can be used with a single high-quality speaker if desired, just as any other receiver. This speaker should be a job capable of taking at least 10 watts input. One Rola G12 or two K12's would do this nicely. The G12 can have a 7500 ohms field coil connected straight across the field supply.

There isn't much to say about the amplifier, which was described in full detail in the issue of October 7. It is fitted with a combination switch which changes from gramophone to radio, and if used with a crystal pick-up, allows two extra bass settings for the pick-up to suit the records you happen to be playing. It is often an advantage to be able to reduce this bass response on some recordings.

ADJUSTMENT

The set is lined up in the usual manner. If the oscillator trimmer is first set to bring in a station such as 2SM on its right dial setting, the job is rendered quite easy. The other trimmers are then peaked up, and the padder adjusted at the other end of the dial to bring in stations there at best volume. They should then approximately fit in with the dial markings.

To set the automatic dial is also quite easy. First release the set screws that hold the cams in place on the shaft. You will need to remove the cover over the cams to do this.

Now tune to a station, and push down the corresponding button so that the cam registers in its correct position. Keep the station carefully tuned in and hold down the button. If you sight along the lever you have held down, you will see the set-screw for this cam right in front of you, so that, with

a reasonably long screwdriver, you can tighten it up. You should now find that whenever this button is pressed sharply down to the limit, the dial will fly round, and tune in the station quite accurately.

This adjustment is made for each station in turn. Don't forget to put back the cover over the mechanism to keep out the dust.

You will find, when you turn over the selectivity switch, that in one position the set tunes sharply as normal, and in the other the station, although not taking up any greater space on the dial, will not have such a sharp resonance point. You will see that, should the dial, not retune with absolute accuracy, this little flatness of the tuning "peak" will make up for it. The set won't be quite so sensitive in this position, but that is normal. The drop will be only a very small amount, and the general audio quality of the stations will be better than when using the sharp position.

This special selectivity feature is not absolutely essential, as we are able to tune with our dial quite accurately enough without it. But it's well worth having, and we advise you to use it.

It is not necessary to use the three speaker system in order to get the stereoscopic effect—you can use just the two types if you wish, and the simpler baffle systems which have been described in our issues of August. The three speakers, however, allow you to use the full output of the receiver on radio or records with the fullest effect.

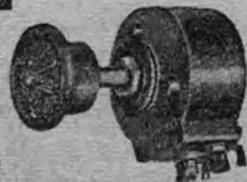
We have no hesitation in saying that the all-round results from the entire system are better than those we have ever heard from any other receiver. Both on radio and records, you will have something of which you can be justly proud, and which no one else can duplicate unless he makes it himself. It is an outfit which we will find difficult to better for a very long time to come.



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Wireless Weekly, December 16, 1938

Broadcasting Queries

"Dumb Dora" (Swansea): Is Cyril Angles married? It is my ambition to marry a broadcaster of sporting sessions with the exception of wrestling or boxing, as that might be dangerous. These sports are very crude. And Cyril Angles's voice sounds good to me. Not too educated and sissy like a lot of other announcers I could mention.

Cyril Angles is married and the proud father of three children. He does wrestling broadcasts, too, and, we believe, is quite an efficient wrestler himself. So perhaps it would be better if you picked on someone else.

"Shy" (Double Bay): How can I get an introduction to Charles Cousins? Ever since I accidentally got on to station 2GB one night and heard him tell a joke about a cow that lost a glove, though I didn't know cows wore them, I've been just dying to meet him. And then I read all about his character from that clever Doctor Fuddler (poor man—what a dreadful name), so I think Charles Cousins was just made for me.

If you really want an introduction, why not write to Charles at 2GB. But perhaps he has other ideas of whom he was made for. Still, there's no harm in trying.

"Very Curious" (King's Cross): Is Doreen MacKay married or engaged or anything, because I'd love to meet her, but think it's no use if there's anybody else, as my intentions are strictly serious? I am in love with her and even listen to her giving recipes, so it must be love, as I employ a cook. I get £1000 per year and have a car and am 29.

Now, isn't that nice? She isn't married or engaged—but we don't know about the anything. We have some very nice ladies on the staff who aren't anything and could use £1000 per year, though.

"Interested" (Swansea): Is Billy Hart of 2GB married?

No.

"Dickens Fan" (Maroubra): Can you let me know the names of the two actors who take the parts of Charles Darnay and Sydney Carton, respectively, in the "Tale of Two Cities," broadcast from 2UE? Is it an Australian production?

The part of Charles Darnay is taken by William Leahy, and that of Sydney Carton by Ellis Price. It is an Australian production.

"Bull's-Nose": Is Dorothea Vautier American or Australian?

Neither. She is a New Zealander.

H. E. Holland: It has been said that in the cricket broadcast during the part of the programme broadcast before the short-wave length at 12 o'clock that the sounds of applause and the hitting of the ball with the bat are produced in the studio in Sydney by means of a gramophone record and the tapping of some object. Is this so? And how is it possible to synchronise the effects with the broadcast voice? It is also said that the earlier part of the broadcast, i.e., the relayed portion, comes by cable from England. Is this so, and would you be good enough to give a short explanation of the term "relay" as applied to a radio broadcast?

The applause was faded in and out to synchronise with the announcer's voice by the control operator. This is not difficult on a very modern and efficient "production" board. The sound of the hitting of the ball is not recorded, but produced by the commentator in the studio. The earlier parts of the broadcast were not relayed. They were studio recreations based on cable messages. A relay is the actual broadcast from another station picked up and rebroadcast.

R.T. (Double Bay): How does one go about getting on the air?

One asks for an audition at any radio station, and if one has anything to offer of any value, one sometimes gets a chance.

A.W. (Paddington): Could you please tell me where John Walker, of 2UW, lives and how old he is?

He lives in Concord and is 24 years of age.

Miss G.M.M. (Sydney): No, sorry, we can't accede to your request as the gentleman in question refuses to be photographed.

W. M. King (Charleville): No, sorry, we haven't a pen pal section in "Wireless Weekly."

J.L.A. (Port Kembla): The part of "Grimway" in the George Edwards production, "Mittens," is taken by Tom Farley, who is not, at present, taking part in any other plays.

"Constant Reader" (North Strathfield): The part of "Grimway" in "Mittens" is taken by Tom Farley and that of "Brent" by John Saul, who is also heard as "Dave" in "Dad and Dave."



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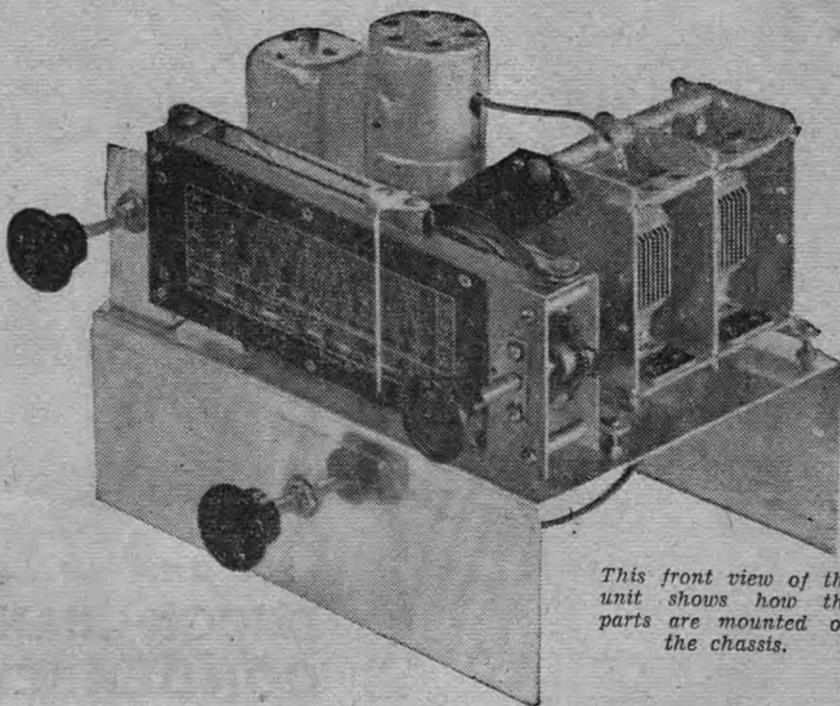


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REMOTE CONTROL WITH DUAL-WAVES

A CONVERTER FOR ATTACHMENT TO ANY GOOD RADIO RECEIVER

Here is something new—a Dual-wave remote control unit which acts on the converter principle. It can be used 15ft. from the set, and can turn your broadcast set into a dual-waver.



This front view of the unit shows how the parts are mounted on the chassis.

DURING the last few weeks, we have been experimenting with the idea of remote control units which may be connected to any radio set, at the end of a cable, so that the set may be tuned from an armchair, for instance, without having to get up and tune the dial on the set itself. The convenience of this scheme is, of course, obvious immediately, and no doubt many people have often wished they could switch from station to station, without the necessity of getting up and walking across the room, as an alternative to sitting beside the set itself, and having the speaker working away almost in their ears, so to speak.

You will remember that in the past it was a common thing to attach a short-wave converter to the radio set, so that short waves could be tuned in with a receiver designed only for broadcast reception. The unit made use of the set's own power supply, and connection was made to the aerial terminal of the receiver, the aerial itself being connected to the converter.

This idea was possible by using in the converter a complete tuning circuit for short waves, operating on the superhet principle. The broadcast set itself was tuned to the very top of the dial, round about 585 kc., or some spot about that

setting where there were no broadcast stations. It then became the intermediate amplifier for the converter, and the whole set-up was virtually a short-wave superhet receiver.

Why not do this with the broadcast band as well, thus making a converter which will allow you to tune both the

broadcast and short waves? There seems to be no reason why not. So we built up a converter, using the same chassis as was employed for the tuning unit recently described for use with a straight amplifier. To cut a story short, the idea worked out to perfection.

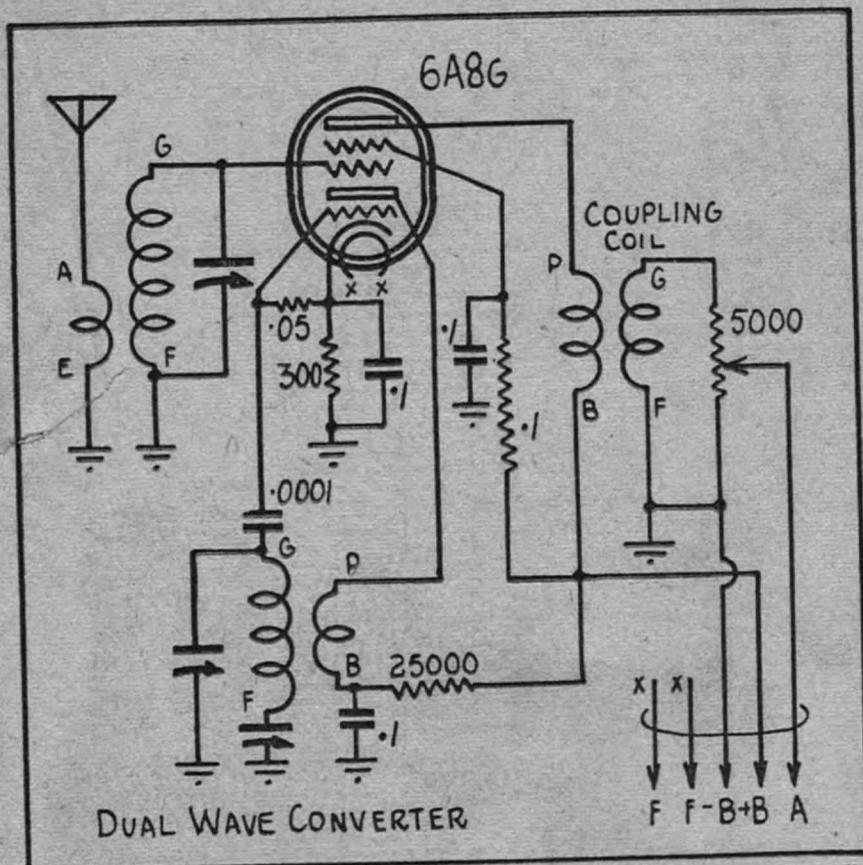
So we present to you a simple little unit which may be housed in a small cabinet or box, and attached to any good radio set with a cable not more than about 15ft. long. This cable carried the power connections from the set, and also the connection from the converter, which is made to the aerial terminal of the receiver. All one needs to do is to tune the set to a spot round 585 kc., turn up the volume control, and the rest is done from the unit, which tunes just like any other set, and has its own volume control.

Naturally you can't get too good results if you tune with the converter on the broadcast band above 2FC, because you will be getting too close to the virtual intermediate frequency of 585 kc. But on all stations below and including 2FC it is one hundred per cent. satisfactory, and the reception is just the same as though you were using the receiver itself. On short waves results are equally as good, and you can tune in Germany and

PARTS LIST

REMOTE CONTROL UNIT

- 1—Dual Wave Kit (No. R.F. stage) with 2 gang condenser and dial.
- 1—Special output coil.
- 3—.1 mfd. tubular condensers.
- 1—.0001 mfd. mica condenser.
- 1—.1 meg. resistor.
- 1—50,000 ohms resistor.
- 1—25,000 ohms resistor.
- 1—5000 ohms potentiometer.
- Socket—Octal, add 1-300 ohms resistor.
- Valve—6A8.
- 5 pin plug and cable.
- Nuts, bolts, etc.



Above: The circuit of the unit. Below: This wiring diagram shows all connections.

London while holding the unit in your hand!

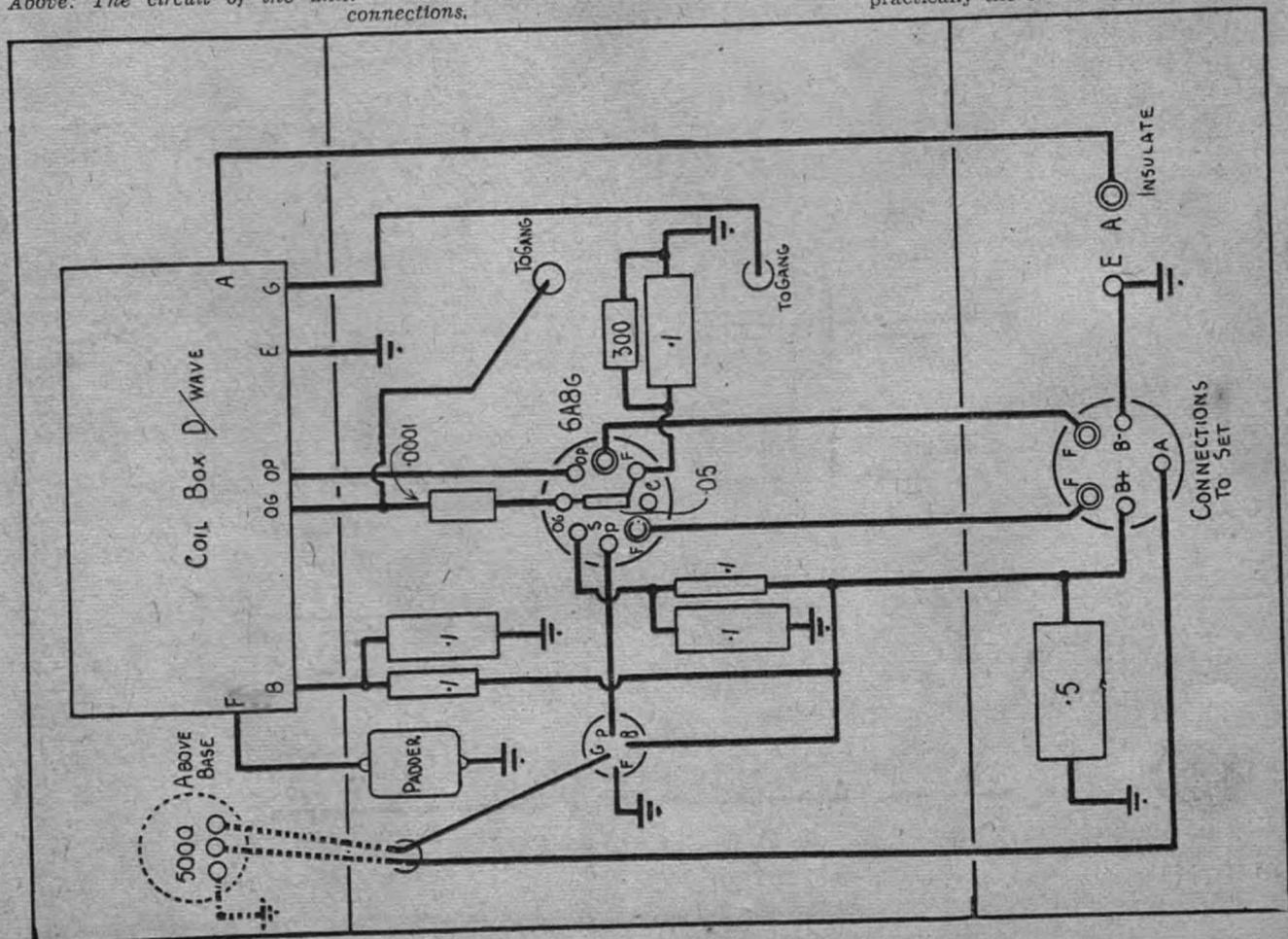
If your present set isn't a dual-waver, here is a simple way to make it so, without scrapping your present set or buying a new one.

The unit is so simple to build that the whole story is told from our pictures and diagrams. You can use any dial you please, the one shown being attractive and convenient. Note that the volume control is mounted on a small bracket which balances the tuning control.

The connections to the converter are simply made. The filament leads at the end of the cable are soldered to the 6-volt filament terminals of a valve socket in the set. The B minus connects somewhere to the chassis. The high tension lead connects to the "hot" end of the voltage divider, or to the lead on the speaker socket connecting to the screen of the output pentode. The fifth lead connects to the set's aerial terminal.

A little experiment will be needed to find the exact spot at the top of the dial which will allow the unit to be used without any whistles, etc., on local stations. This isn't hard to do, and if you make a note of this spot, you can always find it again very quickly.

The unit is lined up just as a small set would be (see instructions in other articles in this issue), and the trimmer on the special coupling coil adjusted for best results after all other adjustments have been made. Adjust it for the best setting of the set's tuning condenser, and not the tuning condenser to the original setting of the coupling coil. They will be practically the same anyhow.



THE NEW PENTAGRID 4

(Continued from Page 22)

Now run back again to the other end of the dial, selecting a weak but steady station. Check carefully on the trimmers once more to make sure they are right "on the nose." If you like, you can now check over the setting of the trimmers on the intermediates, to see that these are peaked up. Mark with a pencil the screw-cut position of each before you alter them, so you can find the original setting if required. Only the very smallest touch should be needed with the intermediates.

PERFORMANCE

We found the performance of the set very good indeed. It is not quite as good as the very best Pentagrid 4 we have ever built, but in Sydney it will tune in 2CA, Canberra, at night with about 4ft. of aerial, which isn't so bad!

AERIALS AND EARTHS.

We have described aerials and earths so often in these pages that some of our readers will be inclined to shout, "We know!" whenever they see a paragraph headed as this one. However, there is still some doubt in the minds of set-builders on the point, so we might be pardoned for repeating it when the occasion demands.

As a rule, no more than 60 feet is needed for a modern receiver, although the country man can often get better results with an aerial longer than this. Still, height is more important than is length. Too long an aerial will broaden the lining up of the aerial stage, and tend to spoil the selectivity of the set. So that our advice is—first to see that the aerial is as high as you can possibly get it, and then turn your attention to length. A little experiment in this field is worth pages of instruction. We are quite convinced about some of the amazing claims often made for quite small sets by country people as the result of stringing high aerials in good localities. After all, it isn't a hard thing to try out different lengths, and use the one which works out most satisfactorily.

Covered wire is just as effective as bare wire for an aerial, but it doesn't need the insulation which bare wire demands. An aerial of bare wire must have one or two insulators attached at each end, and, of course, must never be allowed to come into contact with any objects, particularly metal fixtures, such as house guttering or a tin roof. And don't string an aerial up over a tin or iron roof, and expect it to be as good as one which is out in the clear. Its effective height is measured from the highest object beneath it, and iron roofs aren't good things to have round about aerials.

The earth is very important with a battery set. It is essential almost with any such set to have a good earth, with a short earth lead. Most people in the country find it quite easy to hunt out an old kerosene tin, to which they can solder an earth lead. The tin should have holes punched in the sides and the bottom, and it is buried in the ground for a couple of feet. If the

spot is one which is on the damp side, so much the better. Some people bury a length of pipe so that it projects into the tin and pour some water down it from time to time.

Others find that if they drive the pipe into the ground, with the earth wire attached to it with an earth clip, this works as a good earth.

If you have a water pipe system in which the pipes run into the ground, you could make the earth direct to such a pipe. Make sure that the pipe doesn't run under the house for some distance before it goes into the ground, as this isn't the same as earthing it closer to the set.

Batteries should always be kept in a cool place—don't park the set next to a sunny wall, where the summer heat can warm the batteries, and evaporate

the moisture inside before they are worn out. It is a good rule to keep a set away from an outside wall, unless this is sheltered, or away from the sun.

Incidentally, this set must not be operated at any time from a 2-volt accumulator unless a resistance is included to provide the valves with no more than their 1.5 volts. You will quickly ruin them if you don't heed this warning.

The set may be mounted in any kind of cabinet—a console, a mantel, or a portable. As a portable set, it is especially suitable, and the batteries may be the light duty type, and will last much longer than with the 2-volt valves. To keep the case light, you can use a single dry cell when you carry the set outside the house, and hitch it up to a larger A battery when it is brought back home.



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COIL WINDING—A FEW POINTERS

DURING a recent yarn with a fellow-amateur we mentioned that in addition to the transmitter and receiver tuning coils all of the power transformers and chokes were home wound. Although we all invariably wind our own tuning coils our friend seemed to think that the power trannies and chokes must have been a tedious undertaking which involved considerable time and patience. He also wanted to know if we considered the home construction of these items worthwhile. "Well," we said, "it depends on how well one's junkbox is stocked." We may often find an old transformer thrown out because of a burnt-out secondary winding; the 240-volt primary winding usually remains intact. Here we have the job half done for us if we carefully remove the laminations, run a hacksaw through the old secondary winding, and then peel it off. We may then wind on a new secondary of the required voltage for filaments and for plate supply.

"Maybe," said our friend, "a filament winding is a simple enough job but when winding high-voltage secondaries of many turns a chap needs a power-driven winder of some kind; anyway the cost of the required wire may be the best part of the price of a ready-made transformer!"

"Well," we said, "the latter statement may be true but if a high voltage winding is required the wire from old speaker field coils etc. may be pressed into service or perhaps we may unwind our faulty section instead of cutting it away."

"Yes, I suppose that's quite possible; let's have some more details of the winding process."

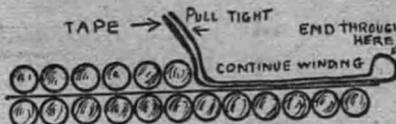
"Look at it this way," we replied. "Supposing we have a simple hand winder with a one-to-one direct drive; this will merely consist of two right-angle brackets and a crankhandle together with a former on which the coil is wound. Now, if with this arrangement we wind only one turn per sec-

ond (which is allowing plenty of time for incidentals), at the end of an hour's work we will have wound the astonishing total of 3600 turns! The slow direct drive is preferable for heavy filament windings, but if we are using fine wire we may put on turns at even faster rate by rigging up a gearing of two or three to one. Then again, there's the old dodge that uses a drilling machine held in a vice. This could be used for small coils such as speaker tranny windings, etc."

"Dahiddah," was the short but interested reply to our lengthy statement.



The crankhandle



Anchoring the last turn

Accepting the invitation to go ahead, we continued. "You see it's not so much the actual winding of turns that causes bother; it's the manner in which we set up the winding mechanism, anchor the start and finish, and insulate the layers that counts. Have a look at this sketch."

"Yes," said our friend, "that shows the idea better than description. What kind of tape is that?"

"Ordinary household tape as used by the lady folk for apron strings, etc. It is strong and easy to manipulate. The layers are insulated with greaseproof luncheon wrapping paper. Notice also that the paper is wider than the layer of wire in order that the end turns will not slip off."

"Well that looks easy," was the reply. "As a matter of fact, right now I have a fat stack of laminations which could well be used in a filament transformer for the new rig. I'd have to wind a 240 volt primary as well though."

"Of course," we replied, "here's how we tackled a similar job for our own transmitter. First, measure the cross section and length of the winding leg of the lams, and then make a wooden former with cross section 1-16 inch larger on each side, and an inch or so longer. Smooth the faces with fine sandpaper, then wax or oil them. This will allow the former to be knocked out when the winding is completed. Now drill a 3/4-inch hole accurately lengthwise

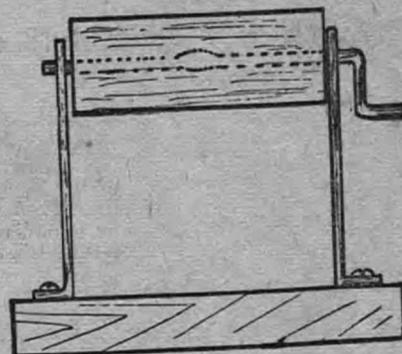
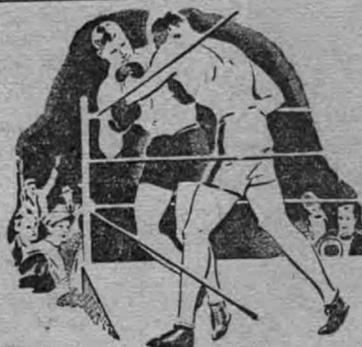


Diagram of a simple winder

through the centre of the former. The crank handle should be bent from 3/4-inch round steel, a few hammer blows will slightly flatten the straight spindle section. Thus the wooden former is prevented from slipping round when driven on. The supporting brackets are made up from heavy hoopiron, and after slip-

(Continued on Page 43)



As good as a . . . RINGSIDE SEAT

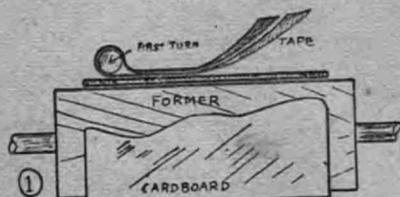
From smoke-filled stadiums comes the beat of the gong, the commentator's "Both men leave their corners fast!" the thud of gloves on bare flesh, the frenzied encouragement of excited onlookers. Does your radio make your favourite armchair as good as a ringside seat? If not, your speaker is probably the cause. Make the change easily and inexpensively to a Rola Reproducer with the new Isocore Transformer and get perfect tone and reception.



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Starting the first turn



Anchoring the first turn

Your Answer

We invite our readers to write to us about their troubles, which will be discussed and answered in these columns.

J.D. (Penrith) wants to know whether the Boys' Book announced in last week's issue is a radio book.

A.—This book contains details of two sets suitable for boys, one a crystal set and the other a one-valve dual-wave. Both these sets are very fully detailed to make the construction as simple as possible, but otherwise the book covers practically every sport and hobby, including Chemistry, Telescopes, Microscopes, Conjuring and Magic, Aviation, Scouting, Swimming, Boxing, Model Making, and so on. The price is 6d, and copies should be available from booksellers this week, but if you have any difficulty we will post a copy from this office for 6d, post free.

A.R. (Lidcombe) wants a circuit for a one-valve set suitable for portable use.

A.—Although not designed for portable use the one-valve dual-wave set described in the Hobby Book for Boys (now on sale at 6d) should give you the circuit you require, and it would then be only a matter of a little ingenuity in the actual layout and construction. If you can't get a copy from your local newsagent we will be pleased to send one post free on receipt of 6d in stamps.

B.M. (Manly) wants to know whether he has ever heard of a crystal set picking up stations on short-waves, because he recently heard an amateur transmitting on his crystal set.

A.—Yes, this phenomena is fairly common, and was mentioned in these columns quite a bit a few years ago. A very strong signal is required, and in your case it is the closeness of the station which allows the reception.

V.J. (North Sydney) wants to see a description of an Inversed Six-valve Set.

A.—We haven't such a set on the way just at this minute, but it looks as though one will be described in the paper before very long. We aren't in a position to say exactly when, but sooner or later it will come.

"Radio Fan" (Dundee) wants to know whether the 1.4 volt valves in a four valve set will be as effective as the standard types.

A.—These valves haven't quite as much punch as the earlier types in our experience to date, but on the principle that you can't have something for nothing, this is only to be expected. You'll find that they still have enough gain to tune in practically everything you could wish for—there isn't as much difference as all that. Yes, special batteries will be available any day now. Thanks for your helpful remarks about the paper, which we have noted. Glad you like the technical

articles, and you will agree that the new four-valve set is out on its own for economy of operation.

R.K. (Leichhardt) has a set using an autodyne, which is cranky at times at the lower end of the dial.

A.—Often sets using autodynes are that way, particularly in damp weather, when they tend to drop out of oscillation at the ends of the bands. Sometimes this can be fixed by running a little more voltage on the screens, particularly that of the 57 autodyne, of course, which is to blame. You will probably find that in the drier weather the set is O.K. Anyhow, try increasing this voltage, as we suggest, and, failing that, try to contact the makers of the tuning coils. The set will probably be a 175 kc. type, as this was the most popular frequency used with this type of set.

"Classical Music" asks some questions about the Stereoscopic amplifier.

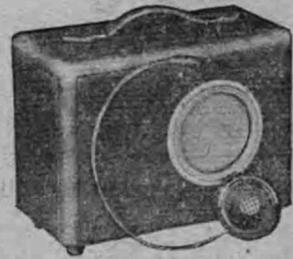
A.—We can't compare makes of transformers in these columns, but we would say that the transformer you have is, for your purpose at least, quite satisfactory. There would not be much difference between the two, but you may have to take some trouble in placing your transformer to avoid hum pick-up from the power supply. Instead of using a separate channel for the pick-up and microphone, we suggest that you wire the first valve as a pentode, and not a triode; you should then have enough gain for the crystal microphone, as the over-all amplification is quite high. If you want to use the two together, your circuit seems worth trying, although, candidly, we haven't tried it exactly as shown. The amplifier sounds wonderfully good in a hall, although, again, you will have plenty of scope for placing the speakers, etc. You can start with the two speakers, and add the second any time you like.

J.G.H. (Patchwollock).—It is a bit too hard to advise you definitely at this distance, as your case seems to be one needing a personal inspection. Can you get the help of a service man with some experience of similar sets?

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...Electrical Engineer	...Sign Painting
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FRIDAY DECEMBER 16

2FC AUSTRALIAN NATIONAL PROGRAMME

2CO, 2NR, 3AR, 3GI, 4RK, 4QR, 4QN, 5AN, 5CK, 6WA, 6WN, 7ZL, 7NT.

THE OPENING SESSION

- 6.30: G.P.O. Chimes. Opening Musical Item.
- 6.32: Meteorological Information.
- 6.35: Mails and Shipping Information and Market Reports.
- 6.40: Brief Market Reports.
- 6.45: Cables (Copyright) from the Australian Associated Press. News Commentary.
- 6.55: News from the "Sydney Morning Herald."
- 7.0: The Daily Dozen.
- 7.10: Musical Interlude.
- 8.0: News from the "Sydney Morning Herald."
- 8.5: Cables (Copyright) from the Australian Associated Press. British Official Wireless News Service.
- 8.15: Interlude.
- 8.20: Musical Items.
- 8.30: The Hospital Half Hour.
- 8.0: Musical Items.

THE MORNING SESSION

- 9.30: The Morning Story, by MICHAEL STRONG.
- 9.50: Interlude.
- 9.55: Overseas and Sydney Wheat Quotations.
- 9.57: An Organ Interlude.
- 10.0: Morning Devotional Service, Conducted by REV. L. H. PURNELL.
- 10.15: Close.

THE MIDDAY SESSION

- 12.0: Musical Items.
- 12.20: Overseas and Sydney Wheat Quotations. Special Produce Market Session, supplied by the State Marketing Bureau.
- 12.40: At Home and Abroad. A News Commentary by THE WATCHMAN.
- 12.55: A glance at the afternoon "Sun." Cables (Copyright) from the Australian Associated Press. Additional News from the British Official Wireless News Service.
- 1.5: Luncheon Music.
- BARNABAS VON GECZY AND HIS ORCHESTRA—
- Sicilliana (Apollomo)
- Destiny (Baynes)
- OLIVE GROVES, Soprano, with Violin and Piano—
- An Old Violin (Fisher)
- Looking For You (Sanderson)
- BARNABAS VON GECZY—
- Cara Mari (Zalden)
- Ragamuffin (Ritner)
- JOSEPH SCHMIDT, Tenor—
- Trinitomba (May)
- My Beautiful Dream (Tauber)
- BARNABAS VON GECZY'S ORCHESTRA—
- Fresh Breezes (Borchert)
- Gipsy Wine (Ritter)
- 1.35: Sydney Speaks.
- 1.45: Interlude.

THE AFTERNOON SESSION

- 2.0: Music of the Moment.
- 2.0: NOEL COWARD and COLE PORTER Gems.
- 2.45: MANTOVANI and His Orchestra, with HILDEGARDE, Vocalist.
- 3.30: Hill-Billy Songs.
- 3.45: THE ANDREWS SISTERS.
- 4.0: Chat Over the Teacups.
- 4.15: Hits of Other Days.
- 4.25: CARROLL GIBBONS, Pianist.
- 4.35: JOHN HENDRIK, Tenor.
- 4.45: MAREK WEBER AND HIS ORCHESTRA.
- 4.55: Stock Exchange, Late Call.
- 4.58: Musical Items.

THE EARLY EVENING SESSION

- 5.0: Programme by JIM DAVIDSON'S A.B.C. DANCE BAND.
- 5.20: PAT and the TINY TOTS.
- 5.30: Young People's Session. Serial—Tom Cringle, by MUSETTE MORELLE.
- 5.40: Musical Items.
- 5.45: Hobbies' Session. Presented by GEORGE IVAN SMITH.
- 6.5: Interlude.
- 6.40: Sporting Session—Results and Comments.
- 6.50: Racing Talk by MICK FERRY.
- 7.0: The Diggers' Session. Featuring The Three Diggers. Serial by E. V. TIMMS. Production: CHARLES WHEELER.

- 7.15: Interlude.
- 7.20: National News Bulletin.
- 7.25: News Commentary.
- 7.30: Local News.
- 7.35: Musical Interlude.
- 7.40: The Future of Australian Farming. PROFESSOR S. N. WADHAM.
- 7.55: Interlude.

THE EVENING SESSION

- 8.0: No. 7 of The Hit Parade Series. Presented by JIM DAVIDSON'S A.B.C. DANCE BAND.
- 8.30: Recital by THEA PHILIPS, Soprano. In association with DESMOND TANNER at the Electric Organ.
- 8.50: Interlude.
- 9.0: THE TASMANIAN STUDIO ORCHESTRA. Conducted by CLIVE DOUGLAS.
- 9.45: Interlude.
- 9.50: Mass In D Minor, by WILLIAM BYRD. Presented by the A.B.C. (MELBOURNE) WIRELESS CHORUS. Conducted by GEORGE ENGLISH.
- 10.15: Light Instrumental Programme by JOHN MORLEY'S QUINTET, with ARTHUR LEE, Vocalist—K.N. (Red Pepper) (Steele) My Heart Will Never Sing Again (Morgan) Aquamarin (Bruno Hartmann) Marika (Derschatta) Fiddle Polka (Ritter) The Pretty Little Patchwork Quilt (Butler) Play of the Butterflies . . (Heykens) Nostalgia Cubana (Rampoldi) Czardas—Gipsy Dance (Sandor Horvath)
- 10.45: These Were Failures. A Selection of Works which, on their first performance, were met with disapproval. Arranged and Annotated by GORDON IRELAND.
- 11.20: Late News and Late Official Weather Forecast.
- 11.30: Close.

2BL N.S.W. NATIONAL PROGRAMME

2CR, 2NC

OPENING SESSION

- 10.0: G.P.O. Chimes. Morning Devotion. Conducted by REV. L. H. PURNELL.
- 10.15: Musical Items.
- 10.20: Women's Session. Conducted by JANE.
- 11.20: Music.
- 11.30: Interlude.
- CHURCH CHOIR—
- Nearer My God, To Thee (Dykes)
- NATIONAL CHORUS—
- Let All Men Praise the Lord (Mendelssohn)
- RICHARD CROOKS (Tenor)—
- The Prayer Perfect (Speaks)
- PHILADELPHIA ORCHESTRA. Conducted by LEOPOLD STOKOWSKI—
- Fugue in G Minor (Bach-Stokowski)
- 11.45: Musical Items.

MIDDAY SESSION

- 12.0: Observatory Time Signal, Rainfall Registrations, Stock Exchange, First Call and Metal Quotations.
- 12.8: From the Sydney Town Hall, Community Singing Concert. Conducted by BRYSON TAYLOR, Assisting Artists—RONALD TARRANT & LINUS KIDD, JONIE PASTOR (Novelty Instrumentalist), TONY & PEGGY (Vocal and Instrumental).
- 1.5: Metropolitan Weather Forecast. Ocean Forecast and Synopsis. Weather Note and Forecasts, including State, Sectional and Air Route. Rainfall Registrations.
- 1.15: Afternoon News from "The Sun." Cables (Copyright) from the Australian Associated Press. What's on the air this afternoon?
- 1.27: Interlude.
- 1.30: Community Singing Concert. (Continued.)

Note: During the afternoon, Descriptions will be given of Sheffield Shield Cricket from Melbourne and Adelaide.

- 2.0: Stock Exchange, Second Call.
- 2.5: SYMPHONY ORCHESTRA. Conducted by WALTER GOEHR—
- Nights at the Ballet No. 4.
- WILFRED THOMAS (Baritone)— (Charles)
- Songs of the Sandman (Charles)
- NEW LIGHT SYMPHONY ORCHESTRA—
- Three English Dances (Quilter)
- 2.30: PIANO RECITAL.
- HILDA BOR—
- Prelude in G (Chopin)
- Waltz in F Minor (Chopin)
- Flight of the Bumble Bee (Rimsky-Korsakoff)
- Bee's Wedding (Mendelssohn)
- IRENE SCHARRER—
- Pantase—Impromptu (Chopin)
- Etude in C Minor Op. 10, No. 12 . . (Chopin)
- ANIA DORFMAN—
- Tarantelle (Chopin)
- La plus que Lente (Debussy)
- MYRA HESS—
- A.D. 1620 (McDowell)
- Gigue in G (Bach)
- Jesu, Joy of Man's Desiring (Bach)
- 3.0: SYMPHONY ORCHESTRA OF PARIS—
- Norwegian Rhapsody (Lalo)
- DINO BORGIOLO (Tenor)—
- Gondoliera Veneziana (Saduro)
- Barcarola della Maragona (Saduro)
- LAURI KENNEDY (Cello)—
- Serenade (Mendelssohn)
- Hungarian Rhapsody (Popper)
- GRAND SYMPHONY ORCHESTRA with PIANO—
- Weber's Immortal Melodies.
- 3.30: OPERA HOUSE.
- BERLIN STATE OPERA HOUSE ORCHESTRA—
- La Traviata—Prelude (Mozart)
- AMENGHI RUTILI (Soprano) and LINA LANZA (Mezzo Soprano)—
- Norma, Act 2, Scene 1—Mira, O Norma (Bellini)
- AMENGHI RUTILI AND GINO COLOMBO (Tenor)—
- Norma—Act 2, Scene 2—Ah Crudelo (Bellini)
- EZIO PINZA (Bass)—
- Ernani—Infelice (Verdi)
- LILY FONS (Soprano)—
- Rigoletto—Caro Nome (Verdi)
- B.C. SYMPHONY ORCHESTRA—
- Merry Wives of Windsor (Nicolai)
- 4.0: TEMIANKA (Violinist)—
- Polonaise in A Major (Wieniawski)
- PHILADELPHIA SYMPHONY ORCHESTRA—
- Yablochke (Gliere)
- Tales from Vienna Woods (Strauss)
- 4.15: TAL ORELL Tells a Story.
- 4.35: Musicale.
- LONDON PHILHARMONIC ORCHESTRA—
- Ballet Suite—Carnaval (Schumann)
- TITO SCHIPA (Tenor)—
- Liebestraum (Liszt)
- Piscatore e Puzullico (Tagliaferri)
- ALBERT SAMMONS (Violin)—
- Rosamunde Ballet (Schubert)
- Liebeslied (Kreisler)
- BERLIN STATE OPERA HOUSE ORCHESTRA—
- Serenade Op. 48 (Tschalkowsky)
- Waltz.
- Finale.
- ELISABETH SCHUMANN (Soprano)—
- Fischers Liebesgluck (Schubert)
- Hark, Hark the Lark (Schubert)
- Little Sandman (Brahms)
- EGON PETRI (Pianist)—
- Soiree de Vienne (Schubert-Liszt)
- PHILHARMONIC SYMPHONY ORCHESTRA OF NEW YORK—
- Lohengrin—Prelude Act 3 (Wagner)
- 5.40: Programme Previews.

EARLY EVENING SESSION

- 6.0: Weather Information.
- 6.5: Dinner Music.
- 7.0: What's on the air To-night?
- 7.2: Dinner Music.
- 7.30: The After Dinner Show—Half an Hour of Humor and Harmony.

EVENING SESSION

- 8.0: Celebrity Re-Creations. Arranged and Presented by GREGORY SPENCER.
- 8.50: Late News, Weather Information, and Market Report.
- 9.10: Celebrity Re-Creations (contd.).
- 9.50: Interlude.
- 9.55: Sporting Previews.
- 10.25: Interlude.
- 10.30: Close.



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FRIDAY—continued

3AR STATE NATIONAL PROGRAMME

EARLY MORNING SESSION

Relayed to 3GI and 3WV

6.30: Music. 6.32: Weather, Produce Report, Livestock Market. 6.40: Market Reports. 6.45: News. 6.55 (Relayed to 2CO, 3GI, 3WV): News. 7.0: Physical Exercises. 7.10: Music. 8.0: News. 8.5: News. 8.15 (3WV close): Music. 8.20 (2CO off to local 8.15 to 8.25 a.m.): Music.

MORNING SESSION

Relayed to 2CO and 3GI

9.0: Music. 9.15: March Tunes for School. 9.25: Melbourne Weather. Fish Market. 9.30: To-day's Short Story. 9.50: Music. 10.0: Daily Broadcast Service. 10.15: Close.

MIDDAY SESSION

Relayed to 2CO, 3GI, 3WV

12.0: Broadcast to Schools: Stories from World History. Mr. Al. Gerrard and Dr. G. S. Plant. 12.15 (2CO off to local): Music. 12.20 (Relayed to 2CO, 3GI, 3WV): Wheat and Grain Reports. 12.25 (3WV off to 3LO): Stock Exchange, London Metal Prices. 12.40: "At Home and Abroad." 12.55: Commonwealth Weather. 1.0: News. 1.5: Interstate Weather, Rainfall, Barometer, Fish Prices. 1.15: Russian Mosaic. 1.30: To-day at 1.30.

AFTERNOON SESSION

Relayed to 2CO and 3GI

2.0: Friday Afternoon Variety. 2.30: Old England. 2.45: On the March. 3.0: Relayed to 2CO, 3GI, 3WV: Broadcast to Schools, Adventures in Music (3WV off to 3LO). 3.20: Gems from the Musical Treasure Store. 3.45: Religious Music.

CLASSIC HOUR

4.0: The Constant Lambert String Orchestra—Capriol Suite, Warlock. Basse Danse, Pavane, Tordion, Bransles, Pleds-en-l'air, Mattachins. Ezio Pinza, bass—Magic Flute—Possenti Numi, Mozart. Roberto Il Diavolo—Donne chi Riposate, Meyerbeer. Alexander Bralowsky, piano with the Philharmonic Orchestra, Berlin. Conducted by Julius Pruerer—Pruner. Concerto in E Minor, Op. 11, Chopin. Allegro Maestoso. Larghetto Romanza. Rondo—Vivace—Romanza. Kirsten Flagstad, soprano—When I Have Sung my Songs, Charles. Songs My Mother Taught Me, Dvorak. Beatrice Harrison, cello—Sulte Ancienne, Samartini, arr. Salmon. Vivace, Grave.

LATE AFTERNOON SESSION

Relayed to 2CO and 2GI

5.0: Jim Davidson's Dance Band. 5.20: Tiny Tots. Farmyard Frolics. 5.30: Young People's Session: Radio Serial, Tom Cringle, Riddle Day! 5.45: Hobbies Talk. (2CO off to local).

EVENING SESSION

6.5 (Relayed to 3GI): Music. 6.15: Special Racing Session. 6.30 (Relayed to 2CO and 3GI): Music. 6.40 (2CO off to 3LO): Sporting Session. 6.55: Rainfall, Weather, Country Districts. 7.0: Digger Doings. 7.15: Music. 7.20 (Relayed to 2CO, 3GI, 3WV): News. 7.30: News. 7.35 (2CO and 3WV off to local): Links with the Past. 7.36: Music. 7.40 (Relayed to 2CO and 3GI): National Talk, The Future of Australian Farming. 7.55: How it Began.

NIGHT SESSION

Relayed to 2CO and 3GI

8.0: The Hit Parade Series, Presented by Jim Davidson's A.B.C. Dance Band. 8.30: A Recital by Francois Stempinski, violinist, in association with Desmond Tanner, at the Electric Organ (See 2FC). 8.50: Interlude. 9.0: Literature in Song. A presentation of Light Orchestral Music by the Tasmanian Studio Orchestra, Conducted by Clive Douglas (See 2FC). 9.30: Light Talk. 9.40: Interlude. 9.50: Mass in D Minor (See 2FC). 10.15: Light Instrumental Programme by John Morley's Quintet with Arthur Lee, Vocalist. (See 2FC). 10.45 (Relayed to 2CO, 3GI and 3WV at 10.30 p.m.): These Were Failures, Selection of Works which, on their first performance, were met only with disapproval. 11.20: News. 11.30: Close.

3LO VIC. NATIONAL PROGRAMME

3WV

MORNING SESSION

Relayed to 3WV

10.0: Daily Broadcast Service. 10.15: J. H. Squire Celeste Octet—The Butterfly (Bendix); Grasshopper's Dance (Bucalossi). 10.20: The Woman's Hour, conducted by Jane. 11.20: Overture, B.B.C. Symphony Orchestra, conducted by Sir Adrian Boult—Light Cavalry

(Suppe). 11.30: Broadcast to Schools. Travel Talk—Where have we been this year? 11.45: The Melody Chest.

MIDDAY SESSION

Note: During the day Progress Scores and Descriptions of the Sheffield Shield Cricket Matches, Victoria v. Queensland at Melbourne, and South Australia v. New South Wales, at Adelaide, will be given. 12.0: Luncheon music. (3WV off to 3AR from 12.0 to 12.20.) 1.0: Music.

AFTERNOON SESSION

Relayed to 3WV

2.0: During the afternoon Descriptions will be given from Kooyong of the Victorian Tennis Championships. Cricket and Tennis Descriptions will be interspersed with music. (3WV off to 3AR from 3.0 to 3.20.)

EVENING SESSION

6.5: Dinner Music. (3WV off to Local from 6.5 to 6.15.) (Relayed to 2CO from 6.15 to 6.30 and from 6.40 to 6.45. 3WV off to 3AR at 7.20 p.m.)

NIGHT SESSION

Relayed to 3WV at 7.40 p.m.

7.30: Swing is Here. 8.0: Dead or Alive—An Original Radio Serial of the Royal Northwest Mounted Police. Written by Edmund Barclay. Episode 3: Duty or Love. Characters—Trooper Myles Minton, of the R.N.W.M.P.; Sergeant Dunbar, of the R.N.W.M.P.; Dawn, an Indian Girl; Webfoot Winter, a Saloon-keeper; Snowdrop Sue; Texan Joe, a prospector; Harold Devereaux, known as Fawntle-roy; Barty, a Klondike tough. 8.30: From the Town Hall, Ballarat—Community Singing, conducted by Will Sampson. 8.50: News, Weather, Shippings, Markets. 9.10: Community Singing continued. 9.40: From the Palais de Danse, St. Kilda—Jay Whidden and his Sweet Swing. 10.30: Close.

4QG Q'LD NATIONAL PROGRAMME

4QN, 4RK

EARLY MORNING SESSION

6.30 (Relayed to 4RK and 4QN): Weather, Markets, Aircraft, What's on the Air? 6.45: News. 7.0: Daily Dozen. 7.10: Music. 8.0: News. 8.5: News. 8.15 (4RK and 4QN Close): Music. 8.30: The Hospital Half-hour. 9.0: Music. 9.27: Marching Music. 9.30: This Morning's Story. 9.50: Melody. 10.15: Close.

MIDDAY SESSION

12.0 (Relayed to 4RK and 4QN): Show Tunes. 12.20: Countryman's Service Session. 12.30: Interlude. 12.40: At Home and Abroad. 12.50 (4RK and 4QN off to Local): Interlude. 1.0 (Relayed to 4RK and 4QN): Cable News, News, Weather. 1.5 (4RK and 4QN off to 4QR): Music. 1.35: Sydney Speaks. 1.45: Music.

AFTERNOON SESSION

2.0: Variety Parade. 3.0: Waitzes of the World. 3.30: From Near and Far. 3.55: News. 5.0: Hits and Encores. 4.0: The Classic Hour.

THE CHILDREN'S SESSION

5.20: Tiny Tots. 5.30 (Relayed to 4RK and 4QN): Tom Cringle. 5.40 (4RK and 4QN off to Local): Interlude. 5.45: Hobbies Session.

EARLY EVENING SESSION

6.5: Dinner Music. 7.0: Programme Announcements. 7.2: Music. 7.30: The After-Dinner Show (See 2BL). 7.55: Interlude.

NIGHT SESSION

8.0: Heroisms All Around Us, by Max Afford. Characters: Jim Anthony, Hil Anthony, Mrs. Marple, Mrs. Lottie Moon, Doctor Kenyon, Doctor Gylby, A Nurse, Doctor Rogers, Hospital Nurse, Radio Announcer. Production: Dion Wheeler. 9.0: News. 9.15: Recital by Minna Metz (Soprano)—Widmung (Schumann), Ich groÙe nicht (Schumann), Mondnacht (Schumann), In dem Schatten (Wolf), Uber Nacht (Wolf), Schlafe mein prinzenchen (Mozart). 9.30: Listeners' Choice. 10.0: Swing is Here. 10.30: Close.

4RK QLD. NATIONAL PROGRAMME

4QN

6.30: From 4QG. 8.15: Close. 10.0: From 4QR. 12.0: From 4QG. 12.55: Local News. 1.0: From 4QG. 1.5: From 4QR. 5.30: From 4QG. 5.40: From 4QR. 6.15: Local News. 6.30: From 4QR. 11.30: Close.

4QR QLD. NATIONAL PROGRAMME

MORNING AND MIDDAY SESSION

10.0 (Relayed to 4RK and 4QN): Service by Father A. G. Tynan. 10.15: Church music.

10.30: Melodies. 10.45: Women's Hour. 11.15: Talk by a Woman Doctor—Mothercraft. 11.30: Words and Music. 12.0 (4RK and 4QN off to 4QG): Melodies. 1.5 (Relayed to 4RK and 4QN): Sheffield Shield Cricket, Queensland v. Victoria. 1.20: The A.B.C. (Brisbane) Concert Orchestra, conducted by W. Nelson Burton.

AFTERNOON SESSION

2.0: Short Story. 2.30: Interlude. 2.30: Classical Half-hour. 3.0: For the Music Lover. 3.35: Sheffield Shield Cricket, Queensland v. Victoria. 4.5: Women in Music. 4.30: Rendezvous with Rhythm. 5.0: Sheffield Shield Cricket. (5.30: 4RK and 4QN off to 4QG.) (5.40: Relayed to 4RK and 4QN.)

EARLY EVENING SESSION

6.5: Dinner Music. (6.15: 4RK and 4QN off to Local.) (6.30: Relayed to 4RK and 4QN.) 6.40: Sporting Session. 6.45: Sheffield Shield Cricket Resume, Queensland v. Victoria. 6.55: Racing Anticipations. 7.0: Digger Doings. 7.15: Interlude. 7.20: News. 7.30: News. 7.35: Weather. 7.40: Talk by Professor S. M. Wadham—The Future of Australian Farming. 7.55: Programme Announcements.

NIGHT SESSION

8.0 (Relayed to 4RK and 4QN): The Hit Parade—Jim Davidson's A.B.C. Dance Band. 8.30: Recital by Francois Stempinski (Violin), in association with Desmond Tanner at the Electric Organ. 8.50: Interlude. 9.0: Literature in Song (See 2FC). 9.30: Light Talk. 9.45: Interlude. 9.50: Mass in D Minor by William Byrd, presented by the A.B.C. (Melbourne) Wireless Chorus, conducted by George English. 10.15: Light Instrumental Programme by John Morley's Quintet, with Arthur Lee (Vocal) (See 2FC). 10.45: These Were Failures (See 2FC). 11.20: Weather, News. 11.30: Close.

5CL S.A. NATIONAL PROGRAMME

MORNING AND MIDDAY SESSION

9.45: Grand Symphony Orchestra. Keith Faulkner, Baritone; Mischa Levitsky, Piano. 10.23: Cathedral Chimes. 10.25: Organ. 10.27: Morning Hymn. 10.30: Service. Preacher: Rev. H. Giles for Church of England. 10.45: Women's Session. 11.30: Leslie Bridgewater Quintette. Walter Glynn, Tenor. Luncheon Music.

AFTERNOON SESSION

2.0: Note—During the day descriptions of the Sheffield Shield Cricket Match, N.S.W. v. S. Australia, will be given from the Adelaide Oval. Music.

EARLY EVENING SESSION

5.0: Vesper Music. 5.15: At the Little Salon. 5.30: The Dansant. 6.0: Dinner Music. 7.20: Junior Red Cross Session.

EVENING SESSION

7.30: The After Dinner Show. 7.45: A Review of To-morrow's Sporting Activities. 8.5: Noel Coward—A Birthday Offering. 8.25: Princess Ida. Gilbert and Sullivan Comic Opera in three acts. Conducted by Dr. Malcolm Sargent. 10.0: News, Weather. 10.10: What of the Roads. 10.20: Music. 10.30: Close.

FRANK CAYLEY'S £30,000 TRIP

RECENTLY returned from Tasmania after having competed in the interstate bridge championships, Frank Cayley, of 2GZ, estimates that the trip cost him roughly £30,000 . . . that is, if the telegram from Tattersall's does not arrive within the next week or so.

All in all, Frank says it was a great trip . . . back and forth on the Zealandia, and were those Tasmanian crayfish any good! Like Popeye's spinach, they spurred Frank's team on to greater efforts. They defeated South Australia and Tasmania and entered the finals against Victoria, to be beaten only in one of the hardest tussles on record. Cheers, Frank . . . and don't forget US when that telegram arrives.

SINGER AS DRESS DESIGNER

THE charming young contralto, Cushla de Lange, now appearing from 2UE every Sunday evening at 8.45, was a dress designer before she decided to concentrate on her voice. But she still designs and makes her own frocks, and their smart simplicity deflects the quiet charm of her own character.

FRIDAY—continued

2GB 870kc. 345m.

6.0: Sunrise Salute. 7.0: Here's Health. 7.20: Jimmy Sampson and his Hill Billies. 7.30: Sing before Breakfast. 7.45: News. 8.0: Good Morning Glory. 8.15: Songs I Taught my Mother. 8.30: Revival Time.
8.45: Hymns of all Churches. 9.0: Personality Artists. 9.20: The R.P.A. Session. 9.30: The Older Folks. 10.0: Morning Session. 10.15: Cookery. 12.0: Luncheon Session. Talk by Dorothy Jordan. 1.0: News.
1.30: Happiness Club. 2.0: Your Friends the Artists. 2.15: Mr. Harold Morton—Book Reviews. 2.30: Let us Relax. 2.45: Let's Talk it Over. 4.15: Feature Session.
5.0: Auntie Goodie. 5.10: Songs for Everyone. 5.15: Postman and Mrs. Gabby. 5.25: Crazy Kollege. 5.35: Songs for Everyone. 5.40: Old Goldie.
5.50: Bobby Britton. 6.0: Newspaper of the Air. 6.15: The Band Waggon. 6.30: Australian Air League. 6.45: Charlie Chan.
7.0: Music. Vocalists. 7.15: Music. 7.45: Organ Treasures. 8.0: Popular Varieties. 8.15: Frank and Archie.
8.30: Light Symphony Orchestra—Offenbach Can-Can (Offenbach). Light Opera Company—Neapolitan Nights, Part I. Symphony Orchestra, conducted by Walter Goehr—Nights at the Ballet, No. 4, Part 1. 8.45: A. M. Pooley—World Personalities. 9.0: Milestones of Melody. 9.30: The Destiny of the British Empire. 9.45: Legacy. 9.50: Dance Rhythms.
10.0: 2GB News Review. 10.15: N.R.M.A. Service to Motorists. 10.30: Fishing Bulletin. 10.35: Dick Robertson and his Orchestra—Teacher's Pet (Brainin-Roberts). Raymonde and his Band o' Banjos—Temptation Rag (Lodge). Rudy Valle and Male Quartet—Vieni, Vieni (Varna-Scott). Mazurka and Landauer, Pianoforte Duettists—The Lilt of Lehar—Medley (Lehar). Turner Layton, Tenor—After All These Years (Gilbert-Nicholls). Jim Davidson and his A.B.C. Dance Orchestra—Says My Heart (Loesser-Lane). Louis Levy and his Gaumont British Symphony—Swing High, Swing Low (Freed-Lane). 11.0: Music. 11.26: Good-night Song. 11.30: Close.

2UE 950kc. 316m.

6.0: The Alarm Clock, with Allan Toohay. 6.15: Weather, Markets, Shipping. 6.30: The Morning Hymn. 6.45: News. 7.0: Music. 7.15: Call to Youth. 7.30: Music. 7.40: Morning Melodies. 8.0: Randwick Track Gallops. 8.10: Music.
8.30: News. 8.35: Music. 8.50: What Numbers Mean. 9.5: Music. 9.15: Melodies for Mother. 9.30: Music. 9.45: Book Review by Harold Morton.
10.0: Women's Interests. 10.40: Sacred Music. 11.15: Health Talk. 11.30: Hints and Recipes. 12.0: Serial Story. 12.30: News. 12.33: Women's Interests—Mrs. Filmer. 12.45: Charles Benson, Tenor. 1.0-1.15: Music. 1.30: News. 1.38: Bands and Baritone.
1.45: Community Singing from the Victory Theatre, Kogarah. 2.45: The Radio Adviser on Life's Problems. 3.15: Music. 3.30: Light Orchestras. 3.50: Hints for the Home. 4.0: Brass Bands and Comedy. 4.30: Music. 5.0: The Musical Cocktail.
6.0: Dinner Music. 6.15: The Tall-waggers' Club. 6.25: Music. 6.30: Preview by the Newsletter Racing Commentator. 6.40: Dinner Music. 7.15: Light Music.
7.30: The Army Session, conducted by Captain X. 7.45: To-day's Love Songs. 8.0: The Musician's Library. 8.22: Musical Bouquet.
8.30: Australart. 8.45: Music. 8.55: News. 9.0: Vaudeville Entertainment from the Assembly Hall. 9.20: Dance Music. 9.30: Do You Want to be An Actor? 10.30: Sweet & Swing. 11.30: Close.
2KY 1020kc. 294m.
6.45: Weather, News. 7.0: Happy Hour—Vernon Sellars and Brian Howard. 7.45: Swing Before Breakfast. 8.0: With the Children. 8.30: Highlights from the Screen. 9.0: Diggers' Session. 9.15: Music. 9.30:

Cafe Continental. 10.0: Music. 10.35: Women's Session—Mrs. Grey. 11.0: Look Thro' These Books. 11.45: Music.
12.0: From Majestic Theatre, Newtown—Community Singing, with Les Shipp. 1.30: Luncheon Session. 2.30: Musical Memories. 3.0: Smilin' Thru—Myra Dempsey. 3.30: Diana's Sporting Review. 4.15: Melody Session—John Harper. 5.15: Children's Session. 5.20: School's In. 5.30: Dinner Diver-tissements.
6.0: Cosy Corner. 6.10: Music. 6.30: Dinner Entertainment. 6.37: Leading Orchestral Conductors.
6.45: Music. 6.55: Radio Syncretics—Capt. Bairnsfather. 7.0: Rufe Naylor. 7.15: Views on the News. 7.25: Music. 7.50: Sporting Weekly. 8.0: Overture. 8.5: Music. 8.15: Rhapsodising.
8.30: Sports Shorts—Andy Flanagan. 8.45: Music. 9.15: Ring Radios—Ted Turner. 9.30: Specially for Pedestrians. 9.45: Music. 10.15: News. 10.30: Happy Hour—Vernon Sellars and Brian Howard. 11.0: Your Favorite Artist. 12.0: Close.

2UW 1110kc. 270m.

4.0: New Zealand Breakfast Session. 4.30: Countryman's Breakfast Session. 4.45: Weather, Rivers, Mails, Shipping. 5.0: Rural Interests. 6.30: An Early Breakfast. 6.40: Hits of the Week. 6.50: Show Garden. 7.5: News. 7.15: A Military Band. 7.30: Music. 8.30: Breakfast Cavalcade. 9.0: On Parade. 9.15: Morning Moods.
9.35: The Storyteller. 9.45: Melody Girl. 10.0: Beauty Talk. 10.15: Between Ourselves. 10.30: Notable British Trials. 10.45: Toy Parade. 10.50: Musical Comedy.
11.0: Katy and Joan. 11.15: Light Lyrics. 11.45: Dr. Frederick. 12.0: Music and Song. 2.0: Musical Matinee. 2.20: Melody Girl. 2.30: Musical Mosaic.
3.30: Radio Cinema. 4.40: Pictures Newsman. 4.55: Children's Session. 5.50: Dinner Music.
7.0: Racing Comments by Cyril Angles, with Selections for Rosehill and Ascot (Vic. 7.15: Sporting Interviews. 7.30: Sports Talk—Charles Lawrence. 7.45: Sporting Interviews, continued.
8.0: Jan Klepura. 8.15: Music. 8.30: Roy Smeck, Guitarist. 8.45: Music. 9.0: World of Sport. 9.15: Johann Strauss. 9.30: Dancing.
10.0: Christian Science Programme. 10.15: Love Tales. 10.30: Yehudi Menuhin, Violinist. 10.45: Sanders of the River. 11.0: Music.
12.0: Henry Gregory Entertains. 12.15: Wings. 12.30: Keeping the Party Going. 1.0: Cheerio Calls. 1.30: News. 2.0: Hospital Nurses' Supper Session.

2CH 1190kc. 252m.

5.45: The Good Morning Man. 7.0: Cheerio Tunes. 7.50: Special Session. 8.44: Mothers' Session. 8.45: Music. 9.40: Women's League. 9.45: Light Orchestras.
10.2: Melodies. 10.20: News. 10.30: Morning Devotion—Rev. C. A. Goodwin (Anglican). 10.50: Interlude. 11.0: Your Favorite Artist. 11.30: Women's League. 11.45: A Little Time for Humor. 11.50: Weather. 12.0: Music. 1.0: Listen, It's Lunchtime!
2.2: League of Music. 2.30: Light Orchestras. 2.45: Waltz Time. 3.0: Bringing up Sally. 3.15: Where the Bands are Playing. 3.30: Around the Tea Pavilion. 4.0: Melody Milestones. 4.30: Master Musicians.
5.0: The Fairy Godmother. 5.35: The Hello Man. 5.50: Smile Club.
6.0: Songs by Famous Singers. 6.10: Chorus—Hi-Yo Silver. 6.15: The Lone Ranger. 6.30: Masters of the Organ. 6.45: Dinner Music. 6.59: Weather.
7.0: Richard Tauber, Tenor: Thine Are My Thoughts, Margherita. 7.3: George Scott Wood and Orchestra: Dainty Debutante. 7.7: Glad Moncrieff, Soprano: Silver Hair and Heart of Gold. 7.11: The Bohemians: Summer Breezes. 7.15: Harmony Hall. 7.30: Black Flame of the Amazon. 7.45: Albert Sandler and his Orchestra: Rustle of Spring; One Night of Love; With You; Play of Butterflies.
8.0: Your Favorite Programme. 8.45: Sing-Song and Sport. 9.30: Thesaurus Presentation. 10.0: Rendezvous With Rhythm. 10.50: Music. 11.0: Close.

2SM 1270kc. 236m.

6.0: Angelus. 6.1: John McCormack. 6.5: Breakfast Session. 6.10: News. 6.30: Listeners' Choice. 7.0: G.P.O. Chimes. 7.5: Bright Music. 7.30: Listeners' Choice. 8.0: A Personality Band Leader. 8.15: Melodies Old and New. 8.45: Melodies and Smiles for Mother. 9.0: Close.
1.0: Variety is the Spice of Life. 1.5: Cables. 1.15: Magic Island—Serial. 1.50: Music. 2.0: Radio Matinee. 2.30: Famous Vocalists. 2.45: Roaming in Rhythm.
3.0: This Changing World. 3.15: Siesta Time. 3.45: People with a Purpose. 4.10: Beauty. 4.25: Music. 4.40: Hollywood Whispers. 5.0: Uncle Tom and his Gang.
6.0: Angelus. 6.1: Dinner Music. 7.0: Your Dinner Dance. 7.15: Cables. 7.22: Sporting Topics. 7.35: Preview of Tomorrow's Sports.
7.45: Soothing Synccaption. 8.0: Magic of Music. 8.15: Camden Morrisby—Bookman's Talk. 8.30: The Grocer and Madame. 8.52: Health Talk.
9.0: Amateur Hour—Compere: John Dunne. 10.0: Graveyard of Forgotten Songs—Marie Ormston at Piano. 10.20: Cables. 10.25: When You Come to the End of the Day. 10.30: Close.

2CA 1050kc. 286m.

6.30: Early Morning Session. 7.45: News. 7.55: Yass Session. 8.45: Hymns of All Churches. 9.0: Harmony for Housewives.
10.0: Women's Radio Club Session, conducted by Wyn Gilmour. 11.10: Serial. 11.30: Home Folks. 12.0: Luncheon Session. 1.0: News. 1.5: Moruya Session. 3.0: Afternoon Tea Session. 3.30: Favorite Song Session.
4.0: Social Chatter. 4.15: Musical Crazy-quit. 5.15: Tiny Tots' Session, with Aunty Wyn. 5.30: Story Time. 5.30: Hello Session. 5.45: My Dream and Yours.
6.0: Dinner Music. 6.25: What's on in Canberra? 6.45: Moment Musicale.
7.0: In Lighter Vein. 7.15: From the Floor of the House—A Political News Review. 7.30: Songs of Days By. 8.30: Are You a Radiote?—Amateur Trials. 9.15: Dream Melodies. 9.45: Strange As It Seems.
10.0: 2GB News Review. 10.30: Listen and Relax. 11.30: Calling South Australia. 12.30: Calling Western Australia. 3.30: Hello, New Zealand. 5.0: Melody and Mirth.

2KA 780kc. 385m.

7.15: The Early Bird. 7.30: News. 7.45: Morning Melody and Mirth. 8.0: Jolly Good Company. 8.15: Brightness All the Way. 9.0: Radio Service Club. 9.30: Morning Story. 10.0: Hospital Session. 10.45: Home Furnishings. 11.0: Music. 11.15: John and Ann have Morning Tea. 11.30: Hollywood Highlights. 12.0: Serial Story. 12.30: Listeners' Choice. 1.30: Luncheon Music. 2.0: Close.
6.0: Children's Session. 6.30: News. 6.40: Dinner Music. 7.0: Kings of Swing. 7.15: World Orchestras. 7.30: Here's Harmony.
8.0: At the Keyboard. 8.15: Theatre Memories. 8.30: A Vocal Recital—Donald Novis. 8.40: Romance in Rhythm. 9.0: Holiday Highlights. 9.30: Dance Music. 10.30: Music. 11.0: Close.

THEY'LL SOON BE GROWN UP

(Continued from Page XIII. of Roto.)

not have a very good voice. It quivered too much and in the wrong places. But I am very sentimental about children's voices, and I listened to it, quivers and all, with my scalp tingling.

Auditions take a long time. I listened to perhaps half a dozen young hopefuls, and then Mr. Keats came over and offered me some morning tea.

"How many of them will make the grade?" I asked him.

He lifted a laconic shoulder and handed me the sugar.

"They've got to be good," he said, "There's a long waiting list."

SATURDAY . . . DECEMBER 17

2FC AUSTRALIAN NATIONAL PROGRAMME

2CO, 2NR, 3AR, 3GI, 4RK, 4QR, 4QN, 5AN, 5CK, 6WA, 6WN, 7ZL, 7NT.

THE MORNING SESSION

- 6.30: G.P.O. Chimes. Opening Musical Item.
- 6.32: Meteorological Information.
- 6.35: Mails and Shipping Information and Market Reports.
- 6.40: Brief Market Reports.
- 6.45: Cables (Copyright) from the Australian Associated Press. News Commentary.
- 6.55: News from the "Sydney Morning Herald."
- 7.0: The Daily Dozen.
- 7.10: Musical Items.
- 8.0: News from the "Sydney Morning Herald."
- 8.5: Cables (Copyright) from the Australian Associated Press. British Official Wireless News Service.
- 8.15: Interlude.
- 8.20: Musical Items.
- 8.30: The Hospital Half Hour.
- 9.0: Interlude.
- 9.30: Musical Miniatures.
- 10.0: A Racing Talk by MICK FERRY.
- 10.15: Close.

THE MIDDAY AND AFTERNOON SESSION

- 12.0: Observatory Time Signal. Musical Interlude.
- 12.55: A glance at the afternoon "Sun." Cables (Copyright) from the Australian Associated Press. Additional News from the British Official Wireless News Service.
- 1.5: Musical Items.
- 3.0: Musicales.

THE EARLY EVENING SESSION

- 5.30: Young People's Session. A Musical Playlet, presented by The Children.
- 5.50: The Junior Gazette.
- 6.0: Musical Items.
- 6.30: Sporting Session—Results and Comments.
- 7.0: Musical Items.
- 7.20: National News Bulletin.
- 7.30: Local News Service.
- 7.35: LARRY ADLER'S AFTER DINNER SHOW. The World's Leading Mouth Organ Virtuoso (by courtesy of Frank Neil, of the Tivoli Circuit). With JIM DAVIDSON'S A.B.C. DANCE BAND.
- 7.55: Searching for the Tasmanian Tiger—Talk by Mr. M. S. R. SHARLAND.

THE EVENING SESSION

- 8.5: THE NATIONAL MILITARY BAND. Conducted by STEPHEN YORKE.
- March—The Riflemen . . . (Gray)
- Overture—A Wanderer's Goal (Suppe)
- Air de Ballet—Macedoine . . . (Clarke)
- Bal des Enfants (Jacone)
- A Highland Scene (Moore)
- 8.30: Melodies of Schubert—A Musical Biography.
- 8.50: Interlude.
- 9.0: Symphony Hour. The A.B.C. SYMPHONY ORCHESTRA, under the direction of JOSEPH POST.
- Christmas Concerto (Concerto Grosso No. 8) (Arcangelo Corelli)
- Symphony No. 4 in B Flat, Op. 60 (Beethoven)
- Adagio Allegro Vivace
- Adagio
- Allegro Vivace—un poco meno Allegro
- Allegro ma non Troppo.
- Scherzo—L'Apprenti Sorcier (Dukas)
- 10.0: National Talk—In the Wake of Anzac, by SPARKS.
- 10.20: An Abridged Version of THE MAGIC FLUTE (Die Zauberflöte). An opera in two acts by Mozart. Presented and Compered by GORDON IRELAND.
- 11.20: Late News and late Official Weather Forecast.
- 11.30: Close.

2BL N.S.W. NATIONAL PROGRAMME

2CR, 2NC

OPENING SESSION

- 10.0: G.P.O. Chimes. Musical Moments.

MIDDAY SESSION

- 12.0: Observatory Time Signal. Rainfall Registrations. Stock Exchange, First Call, and Metal Quotations.
- 12.8: Musical Interlude.
- 1.5: Metropolitan Weather Forecast. Ocean Forecast and Synopsis. Weather Note and Forecasts, including State, Sectional, and Air Route. Rainfall Registrations.
- 1.15: Afternoon News from "The Sun." Cables (Copyright) from the Australian Associated Press. What's on the Air this Afternoon?
- 1.25 approx.: During the afternoon complete descriptions will be given of the Rosehill Races, interspersed with descriptions of the Ascot (Vic.) Races, and Musical Items (r.) from the (Sydney) Studio. Where possible, descriptions will be given of Sheffield Shield Cricket at Melbourne and Adelaide.
- 5.0 approx.: Complete Racing Summary.
- 5.10: Music.
- 5.40: Programme Previews.

EARLY EVENING SESSION

- 6.0: Weather Information.
- 6.5: Dinner Music.
- 7.0: What's on the Air To-night?
- 7.2: Dinner Music.

EVENING SESSION

- 8.0: Music Hall Memories. Production: RUSSELL SCOTT.
- 8.40: ESSIE MORRISON (Novelty Pianist).
- 8.50: Late News and Weather Information.
- 9.0: THE RADIO ROUNDSMAN Interviews Personalities in the News.
- 9.20: Old Time Dance.
- 12.0: Close.

3AR STATE NATIONAL PROGRAMME

EARLY MORNING SESSION

Relayed to 3GI, 3WV

- 6.30: Music. 6.32: Weather. Produce Report. Livestock Market. 6.40: Market Reports.
- 6.45: News. 6.55 (Relayed to 2CO, 3GI, 3WV): News. 7.0: Physical Exercises. 7.10: Music.
- 8.0: News. 8.5: News. 8.15 to 8.25 a.m.): Music. (2CO off to local 8.15 to 8.25 a.m.).
- 8.20: Music. 8.45: Music. 8.50: The Birds in Your Garden. Mr. M. S. R. Sharland.

MORNING SESSION

Relayed to 2CO and 3GI

- 9.0: Music. 9.20: Melbourne Weather. 9.25: Music. 10.10: Daily Broadcast Service. 10.15: Close.

MIDDAY SESSION

Relayed to 2CO and 3GI

- 12.0: Music. 12.15 (2CO off to Local): Music. 12.20 (Relayed to 2CO, 3GI, 3WV): Wheat and Grain Reports. 12.25 (3WV off to 3LO): Stock Exchange. London Metal Prices.
- 12.40: Music. 12.55: Commonwealth Weather.
- 1.0: News. 1.5: Interstate Weather. Rainfall. Barometer. 1.15 (2CO and 3GI, off to 3LO): Lunchtime Cabaret.

AFTERNOON SESSION

- 2.0: Saturday Afternoon Parade. Note: During the afternoon descriptions from Rooyong of the Finals of the Victorian Tennis Championships will be given. (Relayed to 2CO and 3GI at Approximately 5.30 p.m.).

LATE AFTERNOON SESSION

5.30: Young People's Session.

EVENING SESSION

Relayed to 2CO and 3GI

- 6.0: Music. 6.15: Sporting Session. 7.0: (2CO and 3GI off to Local): Music. 7.15: (Relayed to 2CO and 3GI): How it Began.
- 7.20 (Relayed to 2CO, 3GI, 3WV): News. 7.30: News (3WV off to 3LO).
- 7.35: Larry Adler's After Dinner Show.

NIGHT SESSION

Relayed to 2CO and 3GI

- 8.0: Band Recital by The National Military Band, Conducted by Stephen Yorks (See 2FC).
- 8.30: Melodies of Schubert. 8.50: Interlude.
- 9.0: Symphony Hour, the A.B.C. Symphony Orchestra (See 2FC).
- 10.0: National Talk. In the Wake of the Anzac. 10.20: An Abridged Version of "The Magic Flute" (Die Zauberflöte). An Opera in two acts by Mozart. 11.20: News. 11.30: Close.

3LO VIC. NATIONAL PROGRAMME

3WV

MORNING SESSION

Relayed to 3WV

- 10.0: Daily Broadcast Service. 10.15: Plaza Theatre Orchestra—Pearl o' Mine (Fletcher). Bal Masque (Fletcher). 10.20: Current Happenings in Sport. 10.40: Saturday Morning Pops. 11.0: Sweet Melody. 11.15: Designs in Harmony. 11.30: Classics we all Know.

MIDDAY SESSION

Relayed to 3WV

- Note: During the day Progress Scores and Descriptions will be given of the Sheffield Shield Cricket Matches, Victoria v. Queensland at Melbourne, and South Australia v. New South Wales at Adelaide. 12.0: Luncheon Music. (3WV off to 3AR from 12.20 to 12.25 p.m.) 1.0: Music.

AFTERNOON SESSION

Relayed to 3WV

- Relayed to 2CO and 3GI at 1.15 p.m.
- 1.5: During the afternoon Descriptions of the V.T. and R.A. Races at Ascot. Where possible Descriptions will be given of the Rosehill Races. Sporting descriptions will be interspersed with Music. (2CO and 3GI off to 3AR at 5.30 p.m.)

EVENING SESSION

Relayed to 3WV

- 6.5: Dinner Music. (3WV off to 3AR from 7.20 to 7.35.) 7.35: Sporting Highlights of the Week.

NIGHT SESSION

Relayed to 3WV

- 8.0: Old Time Dance Night. The Oldtimers' Dance Orchestra. Master of Ceremonies: Robert H. Spaven. At the piano: Mrs. R. Campbell. Waltz, The Chocolate Soldier (Strauss); Barn Dance, Give Me a Gosh Little Corner (Tate); Quadrilles, The Savoy (Sullivan); Schottische, Lily of Laguna (Stuart); Jolly Miller, Break the News to Mother (St. Quentin); Lancers, Christmas Lancers (Hare); Valse, Over the Waves (Rosas). Waltz, The Blue Danube (Strauss); Varsouvienne, Yvonne (Merz); Alberts, Old Favorites (Tremaine); Barn Dance, Grand Daddy (Brewer); Polka, Rum-Tum-Tum (Trotter); Parma, Old Timers (Lake); Royal Irish, the Wearing o' the Green (Kaps); Canadian Barn Dance, Fancy You Fancying (Weston). From 8.50 to 9.10 (approx.): News, Weather, Shipping, Markets. (3WV close down 11.30.) 12.0: Close.

4QG Q'LD NATIONAL PROGRAMME

4QN, 4RK

EARLY MORNING

- 6.30 (Relayed to 4RK and 4QN): Weather, Aircraft, What's on the Air? 6.45: News. 6.55: News. 7.0: The Daily Dozen. 7.10: Music. 8.0: News. 8.5: News. 8.15 (4RK and 4QN Close): Music. 9.0: Music. 10.15: Close.

MIDDAY

- 12.0 (Relayed to 4RK and 4QN): Melodies. (12.55: 4RK and 4QN off to Local.) 1.0 (Relayed to 4RK and 4QN): News, Weather. 1.5 (4RK and 4QN off to 4QR): Music.

AFTERNOON

- During the afternoon descriptions of the main events in the Rowing Championships on the Brisbane River. 2.0: Saturday Afternoon Revue. 2.30: Musicales. 3.30: Rendezvous with Rhythm. 4.0: The Classic Hour. 5.0: Hits and Encores.

THE CHILDREN'S SESSION

- 5.30 (Relayed to 4RK and 4QN): Uncle Max and Auntie June. (5.45: 4RK and 4QN off to 4QR.)

EARLY EVENING

- 6.0: Dinner Music. 7.0: Programme Announcements. 7.2: Dinner Music. 7.35: The After-Dinner Show, featuring Larry Adler. 7.55: Interlude.

NIGHT

- 8.0 (Relayed to 4RK and 4QN): Radio Dance Night—Part 1—Supplied by Dick Porter's Old Time Dance Band. 8.50: News. 9.0: Community Singing. 9.15: From the Brisbane Stadium—Commentary on the Principal Boxing Contest. 10.0: Radio Dance Night—Part 2—Supplied by Dick Porter's Old Time Dance Band. 11.0: Radio Dance Night—Part 3—Featuring Jim Davidson's A.B.C. Dance Band. (11.30: 4RK and 4QN Close.) 12.0: Close.

SATURDAY — continued

SUNDAY — continued

4RK QLD. NATIONAL PROGRAMME

6.30: From 4QG. 8.15: Close.
10.0: From 4QR. 12.0: From 4QG. 12.55: Local News. 1.0: From 4QG. 1.5: From 4QR. 5.30: From 4QG. 5.45: From 4QR. 6.5: Rockhampton Sporting Session. 6.15: Local News, Music. 6.30: From 4QR. 8.0: From 4QG. 11.30: Close.

4QN QLD. NATIONAL PROGRAMME

6.30: From 4QG. 8.15: Close.
10.0: From 4QR. 12.0: From 4QG. 12.55: Local News. 1.0: From 4QG. 1.5: From 4QR. 5.30: From 4QG. 5.45: From 4QR. 6.5: Music. 6.30: From 4QR. 8.0: From 4QG. 11.30: Close.

4QR QLD. NATIONAL PROGRAMME

MORNING, MIDDAY AND AFTERNOON

10.0 (Relayed to 4RK and 4QN): Service by Rev. T. A. Reimers. 10.15: Out of the Groove. 10.30: Racing Notes. 10.45: Women's Hour. 11.0: Hints for Junior's Wardrobe. 11.5: Dance Music. 11.15: Talk by Mrs. L. M. Murphy—An Epic of Lizard Island. 11.30: Words and Music. 12.0 (4RK and 4QN off to 4QG): Melodies. 1.5 (Relayed to 4RK and 4QN): Sheffield Shield Cricket. Queensland v. Victoria. 1.20: Music. B.A.T.C. (Doomben) Races. Brisbane. Rosehill Races. Sydney. Melbourne Race Results. Sheffield Shield Cricket. Queensland v. Victoria. (Descriptions between 3.35 p.m. and 4.5 p.m. and 5.0 p.m. and 6.5 p.m.) (5.30: 4RK and 4QN off to 4QG.) (5.45: Relayed to 4RK and 4QN.)

EARLY EVENING SESSION

6.5 (4RK and 4QN off to Local): Dinner Music. (6.30: Relayed to 4RK and 4QN.) 6.40: Sporting Session. 6.45: Sheffield Shield Cricket Resume. 6.55: Race Results. 7.15: Interlude. 7.20: News. 7.30: News, Weather. 7.35: Highlights in Sport. 7.55: Programme Announcements.

NIGHT SESSION

8.0 (4RK and 4QN off to 4QG): The National Military Band (See 2FC). 8.30: Melodies of Schubert. 8.50: Interlude. 9.0: Symphony Hour presented by the A.B.C. Symphony Orchestra (See 2FC). 10.0: In the Wake of the Anzac. 10.20: The Magic Flute, an opera in two acts by Mozart. 11.20: Weather. 11.30: Close.

5CL S.A. NATIONAL PROGRAMME

MORNING AND MIDDAY SESSION

9.45: Marek Weber and his Orchestra. Harold Williams, Baritone. Alfredo Campoli, Violin. 10.23: Cathedral Chimes. 10.25: Organ. 10.27: Morning Hymn. 10.30: Service. Preacher: Rev. J. W. Wright for Presbyterian. 10.40: Interlude. 10.45: Women's Session. 11.30: Music. 12.15: To-day's Sport. 12.20: Music.

AFTERNOON SESSION

2.0: Music. Note: During the day, descriptions of the Sheffield Shield Match, N.S.W. v. South Australia, will be given from the Adelaide Oval.

EARLY EVENING SESSION

5.30: The Dansant. 6.30: Interlude. 6.40: Sporting Highlights.

EVENING SESSION

7.10: Descriptions of the Trotting Events interspersed with a specially selected recorded programme. 9.0: Weather. 9.5: Trotting descriptions interspersed with a programme of Dance Music by the Palais Royal Dance Band, conducted by Harry Beake Smith. 10.0: News, Weather. 10.10: Trotting descriptions, interspersed with music. 10.30: Trotting descriptions interspersed with dance music. 11.0: Dance Music. 11.30: Close.

Bulletin

GOOD news from Darling Point Hospital as we go to press: Goodie Reeve, of 2GB, is showing distinct improvement, and the doctors hope that she will soon be allowed up.

Strauss). Light Symphony Orchestra, conducted by Haydn Wood—Joyousness Waltz (Wood).

EVENING SESSION

6.0: The Optimists' Chorus Singers, led by Lawrence Warner in Children's Songs and Choruses. 6.25: The Week's Good Cause. 6.35: Links with the Past. 6.36: Eileen Joyce, Piano—Spring Night (Schumann-Liszt); Little Piece, No. 1 (Schumann). Sir Thomas Becham and the London Philharmonic Orchestra—On Hearing the First Cuckoo in Spring (Delius). Emmy Bettendorf, soprano, and Hans Clemens, tenor—Rose Songs (Erdenberg). The London Symphony Orchestra, conducted by Dr. Leo Blech—Minuet in A Major (Brahms). 7.0: Divine Service from St. Paul's Cathedral. Sermon: The Archbishop. Organist: Dr. A. E. Floyd.

NIGHT SESSION

8.30: The String Ensemble—Adagio Pathétique, Op. 128, No. 3 (Godard). 8.35: Preside and Field Glasses. 8.45: The Feast of Dedication—A Special Programme of Jewish Music arranged for the Maccabean Festival. Artists—John Robertson, Trumpet; Hyman Lenzner, Violin; David Sleserman, Cello; Linda Phillips, Piano; Frederick Collier, Bass. Introduction: Solo Trumpet announces Traditional Call to Arms. Quartet for Trumpet, Violin, Cello, and Piano—The Feast of Dedication (Linda Phillips, from Traditional Chants and Melodies). Recitative and Air for Bass Voice and Instrumental Ensemble—The Lord Worketh Wonders, from the Oratorio, Judas Maccabees (Handel, arr. by Linda Phillips). Violin—Chanson Palestinienne (Dushkin-Kliman). Dance of the Festival of Lights (Linda Phillips, from an old Chassidic Air). Bass Solo—B'Shub Adonai (When the Lord Turned Again), Psalm 126 (Bannister Somervell). A Folk Melody from Palestine. Cello—Maccabean Song (Linda Phillips, from Palestinian Melodies. Bass Air and Instrumental Ensemble—Arm, Arm, Ye Brave (from the Oratorio, Judas Maccabees) (Handel, arr. Linda Phillips). Finale—Solo Trumpet closes with Traditional Call to Arms, repeated. 9.30: Around the Organ with Sankey. 9.50: News, Weather. 10.0: Close.

4QG QLD NATIONAL PROGRAMME 4QN, 4RK

MORNING AND MIDDAY SESSION

8.0: (Relayed to 4RK and 4QN). News. 8.10: News, Weather, Air. 8.25: Highlights in Sport. 8.40: Music. 9.30: (4RK and 4QN off to 4QR). New Releases. (See 2FC). 10.0: (Relayed to 4RK and 4QN). News. 10.10: News. 10.15: Talk by H. W. Dinning. Current Books Worth Reading. 10.30: From the Operas. (See 2FC). 11.0: (4RK and 4QN off to local). The Music Lover's Hour. 12.0: Golden Memories. (12.15: Relayed to 4RK and 4QN). 12.30: General Knowledge Bee. 12.50: Interlude. 1.0: Buried Treasure—No. 9. 1.30: Close.

AFTERNOON SESSION

3.0: (Relayed to 4RK and 4QN). An Armchair Chat, by F. S. Burnell. 3.20: Interlude (r.). 3.30: Musical Mosaic. 4.0: Recital by Collingwood Citizens' Band. (See 2FC). 4.30: Organ Recital by Raymond Fehmel. (See 2FC). 4.50: Music. (See 2FC).

EARLY EVENING SESSION

5.30: (4RK and 4QN off to 4QR). Children's service from St. Barnabas's Church of England, Ithaca. 6.0: What's on the air To-night. Summer Melody Hour.

NIGHT SESSION

7.0: (Relayed to 4RK and 4QN). Recital by Minna Metz (Soprano). Gretchen at the Spinning Wheel (Schubert). Thou Art Sweet Peace (Schubert). When at Morn (Schumann). Night in May (Brahms). In the Night (Wolf). 7.15: Organ Prelude (r.). 7.30: (4RK and 4QN off to local). Divine Service from St. Barnabas's Church of England, Ithaca. 8.45: (Relayed to 4RK and 4QN). Interlude. 8.50: News.

9.0: (4RK and 4QN off to 4QR). Lotus Land. A Programme for Relaxation. Dol Dauber's Orchestra—The Queen's Lace Handkerchief (Strauss). Dora Labbette and Hubert Eisdell (Vocal)—Marigold (Dowdon). J. H. Squire's Celeste Octet—Memories of Devon (Evans). Lawrence Tibbett (Baritone)—When I'm Looking At You (Grey). Albert Sandler's Orchestra—La Boheme—Fantasia (Puccini). Light Symphony Orchestra—Miniature Suite (Coates). Andre d'Arkor (Tenor)—Sancta Maria—hymn (Bertrand). Arthur Catterall (Violin)—Allegro in E flat (Dittersdorf). J. H. Squire Celeste Octet—Down Memory Lane (arr. Willoughby). Eileen Boyd (Contralto)—The Stranger of Galilea (Morris). Stellar Instrumental Trio—The Maiden's Prayer (Badarzewska). Dol Dauber's Orchestra—Ave Maria (Bach). Essie Ackland (Contralto)—Song of Sleep (Somerset). Albert Sandler and his Orchestra—Samson and Delilah (Saint Saens). 10.0: Close.

4RK QLD. NATIONAL PROGRAMME

8.0: From 4QG. 9.30: From 4QR. 10.0: From 4QG. 11.0: Morning Service from Congregational Church, Rockhampton. 12.15: From 4QG. 1.30: Close. 3.0: From 4QG. 5.30: From 4QR. 7.0: From 4QG. 7.30: Evening Service from St. Paul's Anglican Cathedral, Rockhampton. 8.45: From 4QG. 9.0: From 4QR. 10.30: Close.

4QN QLD. NATIONAL PROGRAMME

8.0: From 4QG. 9.30: From 4QR. 10.0: From 4QG. 11.0: Morning Service from Central Presbyterian Church, Townsville. 12.15: From 4QG. 1.30: Close. 3.0: From 4QG. 5.30: From 4QR. 7.0: From 4QG. 7.30: Benediction from Cathedral of the Sacred Heart, Townsville. 8.45: From 4QG. 9.0: From 4QR. 10.30: Close.

4QR QLD. NATIONAL PROGRAMME

MORNING SESSION

9.30: (Relayed to 4RK and 4QN). Countryman's Session. 9.50: Gardening Talk. 10.0: (4RK and 4QN off to 4QG). What's on the Air To-day? Classics. 11.0: Divine Service from St. Andrew's Presbyterian Church, Creek Street. 12.15: Close.

AFTERNOON SESSION

1.30: Music. 2.0: Everyman's Music. (See 2BL.) 2.55: Interlude. 3.0: Records at Random. 3.45: Talk by A. Hardman Knight—Heroines of Yesterday. 4.0: Favorite Composers—3, Schumann. 5.0: For Your Entertainment. 5.25: What's on To-night?

EARLY EVENING SESSION

5.30: (Relayed to 4RK and 4QN). The B.B.C. Hour—Astrology, by Raynor Heppenstall. 6.0: Empire Gazette. 6.30: Interlude. 6.35: Adventures in Music, presented by Lindley Evans. 6.50: News. 6.55: News.

NIGHT SESSION

7.0: (4RK and 4QN off to 4QG). The Blue Bird. (See 2FC.) 8.30: Interlude. 8.35: Incognito. 9.0: (Relayed to 4RK and 4QN). National Talk by H. D. Black—International Affairs. 9.20: The New Note Octet. Leader: Albert Fischer. (See 2FC.) 10.0: National Talk. 10.15: The London Symphony Orchestra (r.)—Eugene Onegin, Waltz (Tschalkowsky). 10.20: News. 10.30: Close.

5CL S.A. NATIONAL PROGRAMME

MORNING AND MIDDAY SESSION

10.0: Music. 10.30: Here and There. 10.45: Music. 11.0: Morning Divine Service from St. John's. Preacher: Rev. E. T. Wylie. Organist: Mr. O. K. Polkinghorne. 12.15: Interlude. 12.30: Fun and Philosophy. 12.45: Music. 1.0: This Week's Good Cause. 1.10: Interlude.

AFTERNOON SESSION

1.30: Everyman's Music. (See 2BL.) 2.25: Music. 3.0: Pleasant Sunday Afternoon Service from Maughan Church. Chairman: Rev. S. Forsyth. 4.30: Music.

EVENING SESSION

5.0: Radio Sunday School. 5.30: For the Music Lover. 6.15: Talk by Mr. W. McMahon Ball. 6.30: South Australian Artists. Presenting Mersi Homburg, Soprano, Tom Shanahan, Baritone, Alice Cronin, Violinist, Soprano. Two Lieder Groups. (a) Meine Liebe ist Grun (Brahms). (b) Die Mainacht (Brahms). (c) Zueignung (Strauss). (d) Wohin (Schubert). Baritone—Echo (Lord Henry Somerset). At Dawning (Charles Wakefield Cadman). Still Vie der Necht (Bohm). Cargoes (Coningsby). Violinist—Prelude and Gigue (Corelli, arr. Dolmetsch). Romance (Norman Collie). Minuette in D, No. 1 (Mozart). 7.0: Special Service from Frie Street Methodist Church. 8.15: Interlude. 8.30: Celebrity Concert. 10.0: News, Weather. 10.10: Epilogue. 10.30: Close.

Stamp Collectors
Don't Miss the Special Section in the "World's News"

SATURDAY—continued

2GB

870kc. 345m.

6.0: Sunrise Salute. 7.0: Here's Health. 7.15: Bathroom Ballads. 7.30: Sing Before Breakfast. 7.45: News. 8.0: Good Morning Glory. 8.15: Songs I Taught my Mother. 8.30: Revival Time.

9.0: Cheer-up Session. 10.0: Mr. Harold Morton—Book Reviews. 10.15: Music. 10.30: Children's Party. 11.0: On Wings of Music.

12.0: Luncheon Session. 1.0: News. 1.45: The Garden Beautiful. 2.0: Vagabonds of the Prairie. 2.15: George Formby. 2.30: Instrumental Novelties. 2.45: Origin of Superstitions. 3.0: Air Your Grouch. 3.30: The Consulting Room. 3.50: Hints for the Home. 4.0: Jewel Box. 4.15: Feature Session. 5.0: Tiny Tots. 5.10: Postman and Mrs. Gabby. 5.20: Station Kid. 5.35: Krazy Kollege. 5.40: Songs for Everyone. 5.50: Bobby Britton.

6.0: Newspaper of the Air. 6.15: The Band Waggon. 6.30: Sporting Resume. 6.45: Music. 7.0: 2GB Youth Club. 7.15: Music. 7.30: Melody and Mirth.

8.0: Shows of the Evening. 8.15: Lady of Millions. 8.30: Cupid's Conquests. 9.0: Radio Pie.

9.30: Universal Melodies. 10.0: 2GB News Review. 10.15: Dance Session. 11.30: Close.

2UE

950kc. 316m.

6.0: The Alarm Clock, with Allan Toohey. 6.15: Weather, Markets, Shipping. 6.30: The Morning Hymn. 6.45: News. 7.0: Music. 7.15: Call to Youth. 7.30: Music. 7.40: Morning Melodies.

8.0: Randwick Track Gallops. 8.10: Music. 8.15: Hospital and Diggers' Session, conducted by Claude Holland. 8.50: To-day's Races. 9.0: Greetings and Club Movements. 9.15: Melodies for Mother. 9.30: Women's Interests.

10.0: Community Singing from the Show Boat on Sydney Harbour, with Tex Morton, St Meredith, and Claude Holland. 12.0: Poultry and Cage Birds—Mr. C. Honeyfield. 12.15: Call to Youth. 12.30: News. 12.33: Music.

1.0: Complete Sporting Service and Description of the Rosehill Races by Stuart Edwards and Ascot Races, interspersed with Music. 1.30: News. 5.0: The Musical Cocktail. 5.45: Flying High—by Air Pilot McKillop.

6.0: Dinner Music. 6.40: Racing Commentary and Sporting Results. 6.55: Music. 7.0: Dinner Music. 7.15: Music. 7.22: Musical Bouquet. 7.30: Harold Park Box Positions. 7.45: Wrestling Talk at intervals.

Note: Description of the Harold Park Racing and during the evening, interspersed with music—8.30: Greyhound Racing Results from Muswellbrook and Cessnock. 8.55: News. 9.0: Racing, Music. 10.25: Harold Park Greyhound Summary. 10.30: Results from Newcastle, Muswellbrook, and Cessnock. 11.0: Dance Music. 11.30: Close.

2KY

1020kc. 294m.

6.45: Weather, News. 7.0: Music. 8.0: Present Your Own Programme—Eric Walker. 8.30: Music. 9.0: What's On, with John Harper. 9.15: Health Talk—Clarice Kennedy. 9.20: The World To-day in Boxing—Ted Turner. 9.50: Music.

10.0: Empire Theatre—Community Singing and 2KY Party, with Uncle George and a Big Programme of Novelties. 11.0: Track Gallops—Ken Howard. 11.15: Music. 12.0: Close.

12.30: Broadcast of Races from Rosehill—Ken Howard. Results of Melbourne Races. 5.0: Children's Session—Uncle George. 5.3: Piano—accordionists Entertain. 5.20: School's In, with Uncle George. 5.30: Dinner Diver-tisements.

6.0: Cosy Corner. 6.10: Mystery Box—Radio Sketch. 6.30: Dinner Entertainment. 6.37: Leading Orchestral Conductors.

6.45: Non-stop Dance Session — Jack Spooner's Super Swing. 7.15: Music. 7.25: Resume of Day's Sports—Andy Flanagan. 7.40: Music. 8.0: Dance Music—conducted by George Saunders.

9.0: Broadcast of Wrestling from Leichhardt Stadium. Described by Capt. Bairnsfather. 10.30: Happy Hour—Vernon Sellers and Brian Howard. 11.45: Variety Music. 12.0: Close.

2UW

1110kc. 270m.

4.0: New Zealand Breakfast Session. 4.30: Countryman's Breakfast Session. 4.45: Weather, Rivers, Malls, Shipping. 5.0: Rural Interests. 6.30: An Early Breakfast. 7.5: News. 7.30: Music. 8.30: Music.

9.0: On Parade. 9.30: Sporting Session, conducted by Cyril Angles. 9.50: Greyhound Form and Selection. 10.0: Track Gallops and Jockeys. 10.20: Round the Band Stand. 10.45: Toy Parade. 11.0: Dance Music. 11.30: Light Orchestral Music.

12.30: Complete Sporting Session—Results of all Sporting Events, interspersed with Music. Descriptions of Rosehill Races by Cyril Angles. Descriptions of Ascot (Vic.) Races by Eric Welch.

4.40: Official Radio Prices. 4.55: Children's Session. 5.20: Children's Radio Magazine. 5.50: Foxtrots.

6.10: Race Results and Reproductions. 6.30: Dinner Music. 6.50: General Sport. 7.0: Mittens. 7.15: Orchestral Selections.

7.30: Box Positions of Greyhound Races. 7.45: Descriptions of Greyhound Races from Harold Park, by Cyril Angles. 10.30: Greyhound Resume. 10.35: Dance Music.

11.0: From Romano's Restaurant. 12.0: Cascade of Entertainment. 1.0: Cheerio Calls. 1.15: Wings. 1.30: News. 2.0: Hospital Nurses' Supper Session.

2CH

1190kc. 252m.

5.45: The Good Morning Man. 7.0: Cheerio Tunes. 8.45: Mothers' Session. 9.40: Women's League. 9.45: Light Orchestras.

10.2: Melodies. 10.20: News. 10.30: Morning Devotion—Rev. E. Foster (Methodist). 10.50: Interlude. 11.0: Your Favorite Artist. 11.30: Wizard of the Wuriltzer. 11.45: A Little Time for Humor. 11.50: Weather. 12.0: Music.

1.0: Afternoon at Home. 3.0: From One Parent to Another.

5.15: The Hello Man. 5.45: Smile Club. 6.0: Dinner Music. 6.35: Sporting Results. 6.50: Dinner Music. 6.59: Weather.

7.0: Evelyn Laye, Soprano: Brave Hearts. 7.4: Carroll Gibbons and John Green: The Kerry Dance. 7.8: Nelson Eddy, Baritone: A Dream. 7.11: Louis Levy and Orchestra: Rosalie. 7.15: Aristocracy of Rhythm. 7.30: Festival of the Bands. 7.45: Ernest MacKinlay, Tenor: E Pari Ra. 7.49: Marek Weber and Orchestra: Sleeping Beauty Waltz. 7.52: Billy Reid and his Accordeon Band: The Sweetest Song in the World. 7.55: Richard Tauber and Jar. Novotna: Lovely as a Night in June.

8.0: Coronets of England. 9.0: Minneapolis Orchestra: Scherzo Capriccioso (Dvorak). 9.10: From the Sydney Town Hall—The Royal Philharmonic Society presents The Messiah (Handel). 10.0: Dance Music. 11.0: Close.

2SM

1270kc. 236m.

6.0: Angelus. 6.1: John McCormack. 6.5: Breakfast Session. 6.10: News. 6.30: Listeners' Choice. 7.0: G.P.O. Chimes. 7.15: Hits from the Big Ten.

7.30: Novelty Pianist. 7.35: Listeners' Choice. 8.0: A Personality Band Leader. 8.15: Music. 8.45: Melodies and Smiles for Mother. 9.0: Close.

1.0: Saturday Afternoon Musicale. 1.5: Cables. 1.15: Magic for the Middlebrows—Presented by Bill Beatty. 1.45: Garden Talk by Mr. S. H. Hunt. 2.0: Music for the Middlebrows, contd. 3.0: Piano Recital by Bill Beatty. 4.0: Song of Hollywood.

5.0: Uncle Tom and his Gang.

6.0: Angelus. 6.1: Uncle Tom's Session, contd. 6.30: Dinner Music. 7.0: Sporting Resume. 7.15: Cables. 7.30: Everybody's Music.

8.0: The Merrymakers. 8.15: Bands Across the Sea. 8.30: The Grocer Entertains. 9.0: Dance Night. 9.30: Lapstone Ballroom Orchestra. 10.0: Ten O'Clock Tunes. 10.20: Cables. 10.25: When You Come to the End of the Day. 10.30: Close.

2CA

1050kc. 286m.

6.30: Early Morning Session. 7.45: News. 8.0: Gunning Session. 9.0: Harmony for Housewives. 10.0: Morning Melody. 12.30: Kangaroo Valley Session. 1.0: News. 1.5: Special Sporting Session, during which a Bright Musical Programme will be interspersed with Sydney and Melbourne Racing Descriptions.

6.0: Dinner Music. 6.25: What's on in Canberra? 7.0: Sporting Commentator. 7.15: Moment Musicale. 7.20: Topical Tunes. 7.30: On with the Dance. 8.0: Saturday Night Popular Programme.

9.0: Musical Varieties with Richard Crooks, Orchestre Raymond, Gladys Moncrieff. 9.30: Chandu, the Magician. 10.0: 2GB News Review. 10.30: Listen and Relax. 11.30: Calling South Australia. 12.30: Greeting Western Australia. 3.30: Hello, New Zealand. 5.0: Melody and Mirth.

2KA

780kc. 385m.

7.15: The Early Bird. 7.30: News. 7.45: Morning Melody and Mirth. 8.0: The Bunk House. 8.15: Brightness All the Way. 9.0: Radio Service Club. 9.30: Morning Story.

10.0: Hospital Session. 10.30: Melody Bouquet. 10.45: Pleasures and Pastimes. 11.0: Music. 11.15: In Sunny Hawaii. 11.30: Music. 12.0: Racing Descriptions from Sydney and Melbourne. 5.0: Music.

6.15: Sporting Resume. 6.30: News. 7.0: Music. 7.15: Interlude of Song.

7.30: Dog Racing from Harold Park. 10.30: Special Dance Programme till 12.30. 12.30: Close.

JUNIOR TECHNICAL SECTION

(Continued from Page 35.)

ping them over the crank handle they are screwed to the work bench or a heavy block of wood. A similar arrangement supports the coil of wire, but, of course, a crank is not required. For windings of many turns some form of counter coupled to the shaft will be a helpful feature. In our case the counter is made from an old automobile speedometer, but a bicycle cyclometer could be pressed into service if we first ascertain the number of revolutions per mile. Perhaps you can afford four or five bob for the real thing, anyway.

"Interrupting you for a moment," said friend "ham," ignoring our sly dig. "Why is enamelled wire used in favor of the more robust cotton-covered stuff?"

"Because of the space factor" we replied. "Point 1, we can get more turns in a given space. Point 2, the job is more efficient because the turns are closer to the core. Point 3, enamelled wire is cheaper but is quite satisfactory if layer insulation is used."

In transformer construction we must
(Continued on Page 57)

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SUNDAY . . . DECEMBER 18

2FC AUSTRALIAN NATIONAL PROGRAMME

2CO, 2NR, 3AR, 3GI, 4RK, 4QR, 4QN, 5AN, 5CK, 6WA, 6WN, 7ZL, 7NT.

THE MORNING SESSION

- 8.0: G.P.O. Chimes, Opening Announcement, Weather Comment, National News Bulletin.
- 8.10: Sporting Information and Features in To-day's Programme.
- 8.20: Musical Items—**MAREK WEBER AND HIS ORCHESTRA**—From Meyerbeer's Treasure House. **HAROLD WILLIAMS**, Bass-baritone—Onaway, Awake, Beloved (Cowen) Shipmates of Mine (Sanderson) **MAREK WEBER AND HIS ORCHESTRA**—Roses of the South (Strauss) The Musical Box (Heykens) **LUCIENNE BOYER**, Soprano—Beautiful Dream (Arezza) Take My Roses (Boyer) **SYMPHONY ORCHESTRA**, conducted by Walter Goehr—Nights at the Ballet, **THE LA SCALA SINGERS**—Memories of Tosti (Tosti) **THE MINNEAPOLIS SYMPHONY ORCHESTRA**, conducted by Eugene Ormandy—Londonderry Air (arr. Grainger) Acceleration Waltz (Strauss) **RICHARD CROOKS**, Tenor—Come Where My Love Lies Dreaming (Foster) Beautiful Dreamer (Foster) Ah! May the Red Rose Live Alway (Foster) **THE DAJOS BELA STRING ORCHESTRA**—Wedding Serenade (Klose)

- 9.30: New Releases—**THE E.I.A.R. SYMPHONY ORCHESTRA**—**PAUL ROBESON**, Bass—Still Night, Holy Night, All Through the Night, **EILEEN JOYCE**, Pianist—Prelude in E Flat Major (Rachmaninoff) Prelude in C Minor (Dohnanyi) Rhapsody in C Major (Rachmaninoff) **THE BERLIN STATE OPERA CHOIR**—Sleep Well, Thou Heavenly Child, Holy Night, Four Peace Into This Heart.

- 10.0: National News Bulletin.
- 10.10: Interlude.
- THE LONDON PALLADIUM ORCHESTRA**—I Hear You Calling Me (Marshall, arr. Wood)
- 10.15: Current Books Worth Reading—A Talk by H. W. DINNING.
- 10.30: FROM THE OPERAS—**BERLIN STATE OPERA ORCHESTRA**—Parsifal—Prelude to Act 3 (Wagner) **JOSEPH SCHMIDT**, Tenor—None Shall Sleep (from Turandot) (Puccini) **A. MELANDRI** and **C. ZAMBELLI**, with Chorus—Excerpts from Ernani (Verdi) Congiura, Si ridesti il Leon di Castiglia. **MARJORIE LAWRENCE**, Soprano—Twilight of the Gods (Wagner) Brunnhilde Bids a Funeral Pyre to be Built, Ye Gods, Guardians of All Oaths, My Heritage! Accursed Ring, Brunnhilde Rides into the Blazing Pyre.

- 11.0: From St. Mark's Church of England, Darling Point—Morning Service, conducted by **CANON H. W. BARDER**.
- 12.15: Musical Items—**BERLIN STATE OPERA ORCHESTRA**—Album Leaf (Wagner) **BENIAMINO GIGLI**, Tenor—Addio bel Sogno (Murolo-de Curtis) Senza Niscuno (de Curtis) **THE BERLIN STATE OPERA ORCHESTRA**—Hungarian March (Schubert-Liszt)
- 12.30: This Was News—A Talk by **RICHARD QUA**.
- 12.50: Musical Items—**THE GRAND SYMPHONY ORCHESTRA**—Hungarian Dances, Nos. 1 and 3 (Brahms) Manon Lescaut—Intermezzo (Puccini)
- 1.0: **BURIED TREASURE**, No. 9—A Further Selection of Historical and Seldom-heard Gramophone Records. Selected and Compered by **GORDON IRELAND**.
- 1.30: Close.

THE AFTERNOON SESSION

- 3.0: An Armchair Chat, by **F. S. BURNELL**.
- 3.20: Interlude **J. H. SQUIRE CELESTE OCTET**—Memories of Devon (Evans) Song of the Celeste (Lincke-Willoughby) Collette—Valse (Fraser Simson) **VLADIMIR ROSING** (Tenor) and **OLGA ALEXEEVA** (Soprano)—Black Eyes, Haida Troika, Old Waltz, Two Guitars (Trad.), **SYMPHONY ORCHESTRA**, conducted by **G. WALTER**—

- Songs of the Fair (Martin—arr. Walter) **NELSON EDDY** (Baritone)—Trees (Kilmer-Rasbach) Smilin' Through (Penn) Sylvia (Scollard-Speaks) **J. H. SQUIRE CELESTE OCTET**—Echoes of the Ball (Willoughby) Hearts and Flowers (Tabini—arr. Willoughby)
- 4.0: Brass Band Recital by **THE COLLINGWOOD CITIZENS' BAND**, conducted by **F. C. JOHNSTON**—March—Mandora (Alford) Overture—Napoleon (Bilton) March—The Voice of the Guns (Alford) Euphonium Solo—Wiederkehr (Hartman) (Soloist: **B. SIMMONDS**)
- 4.30: From the Australian Church—Organ Recital by **RAYMOND FHEMEL**—Fantasia on the Old Melody—O, Come, Emmanuel (Cuthbert Harris) Prelude—Pastorale (Second Suite) (Boellmann) Shepherds in the Field (Malling) Carillon Sortie (Mulet)
- 4.50: **THE NEW LIGHT SYMPHONY ORCHESTRA**, conducted by **Rosario Bourdon**—Italians in Algiers—Overture (Rossini) **DORA LABBETTE**, Soprano—One Morning Very Early (Sanderson) **GIL DECH**, Piano—Remembrance (Reber) **NEW LIGHT SYMPHONY ORCHESTRA**—Irish Rhapsody (Herbert) **HUBERT EISELLE**, Tenor—Take, O Take, Those Lips Away (Quilter) Hey, Ho, the Wind and the Rain (Quilter) **THE NEW LIGHT SYMPHONY ORCHESTRA**, conducted by **J. Ainslie Murray**—Serenade Mauresque (Elegar) **DORA LABBETTE** and **HUBERT EISELLE**—The Sweetest Flower That Blows (Peterson-Howley) **GIL DECH**, Piano—The Robin's Return (Fisher) **THE NEW LIGHT SYMPHONY ORCHESTRA**—Madame Butterfly Selection (Puccini)
- 5.30: The B.B.C. Hour—A Special Re-broadcast from the Empire Station—"Astrology," by **RAYNER HEPENSTALL** (r.). Empire Gazette.
- 6.30: Interlude. **GASPAR CASSADO** (Cellist)—Spanish Dance (Cassado)

THE EVENING SESSION

- 6.35: Adventures in Music, presented by **MR. LINDLEY EVANS**.
- 6.50: National News Bulletin.
- 6.55: Local News Bulletin.
- 7.0: **THE BLUE BIRD**, by **MAURICE MAETERLINCK**. Adapted for Radio by **EDMUND BARCLAY**. The Blue Bird was broadcast last Christmas with much success. Many requests have been received for its revival, and it is hoped that all old friends and many new ones will welcome this.

It is a play for children from seven to seventy, and in it the great Belgian poet, Maeterlinck, shows us two children in their adventurous search for the mythical Blue Bird, the symbol of all happiness. As they start out on their travels, they are accompanied by the Dog, the friend of man, the Cat, who proves to be the villain of the piece, and the personifications of bread, fire, water, sugar, etc., etc. Aided by light, they pass through the Land of Yesterday, the Kingdom of To-morrow, the Halls of Happiness, always seeking and always just losing the Blue Bird—until at last they reach their home.

Characters.

- Tyltyl, a little boy.
Mytyl, his sister.
Light.
The Fairy Berylune.
Neighbor Berlincot.
Daddy Tyl.
Mummy Tyl.
Granny Tyl.
Gaffer Tyl.
Tyltyl's Dead Brothers and Sisters.
Time, Night.
The Neighbor's Little Girl.
Tylo, the Dog.
Tyllette, the Cat.

- Bread, Sugar, Fire.
Water, The Sickness, Happinesses, Luxuries, Children of the Future, etc., etc.
Production: **FRANK D. CLEWLOW**.
- 8.30: Interlude. **MAREK WEBER AND HIS ORCHESTRA**—Rustle of Spring (Sinding)
- 8.35: **INCOGNITO**—A Programme by Various Unnamed Overseas and Australian Artists.
- 9.0: International Affairs, by **MR. H. D. BLACK**.
- 9.20: **THE NEW NOTE OCTET**. Leader: **ALBERT FISCHER**. Sylvan Scenes (Fletcher) In Beauty's Bower, Sylvia Dances, The Pool of Narcissus, Cupid's Carnival, Down in the Forest (Landon Ronald) Wood Nymphs (Eric Coates) At the Bend of the Road (Varney Monk) Tarantelle (Frank Hutchens) At the Bathing Pool (Frank Hutchens) The Dance of the Hours (Ponchielli)
- 10.0: Scottish Characteristics—Talk by **JOHN A. MASTERSON**.
- 10.15: Interlude—**LONDON SYMPHONY ORCHESTRA** Eugene Onegin—Polonaise (Tchaikowsky)
- 10.20: National News Bulletin.
- 10.30: Close.

2BL N.S.W. NATIONAL PROGRAMME

2CR, 2NC

OPENING SESSION

- 9.30: G.P.O. Chimes, Countrymen's Session, Conducted by **R. SNEEDON**.
- 9.50: River Heights and Weather Prospects, Programme Information.
- 9.55: Interlude.
- DAJOS BELA ORCHESTRA**—Reve d'Amour (Becca)
- 10.0: Music. **ALFREDO CAMPOLI AND HIS ORCHESTRA**, with **GRACE MOORE** (Soprano)—**ORCHESTRA**—An Old World Garden, SOPRANO—Serenade (Schubert) Love Me Forever (Schertzing-Kahn) **ORCHESTRA**—Mon Bijou—Waltz (Stolz) Under the Balcony (Heykens) SOPRANO—The End Begins (Kreisler-Fields) Stars in My Eyes (Kreisler-Fields) **ORCHESTRA**—San Remo (Hummer)
- 10.30: Gardening Talk by **GEORGE COOPER**.
- 10.45: Music. **LONDON SYMPHONY ORCHESTRA**—Conducted by **DR. MALCOLM SARGENT**—Di Ballo Overture (Sullivan) **ANNI FRIND** (Soprano), with **ORCHESTRA** AND CHORUS OF **GROSSEN SCHAUSPIELHAUSEN, BERLIN**—Casanova Nuns' Chorus (Strauss) **BRITISH SYMPHONY ORCHESTRA**, Conducted by **FELIX WEINGARTNER**—Voices of Spring—Waltz (Strauss) **CHARLES KULLMAN**, Tenor—I Know a Song of Love (Drda-Edgar) Love, Here is My Heart (Ross-Silesu) Poem (Fibich-Anderson) **NEW LIGHT SYMPHONY ORCHESTRA**, Conducted by **JOSEPH LEWIS**—Four Ways—Suite (Eric Coates) **JESSICA DRAGONETTE**, Soprano—Through the Doorway of Dreams (Robin & Whiting) Bells Across the Meadows (Ketilbey) **ARTHUR RUBINSTEIN**, Pianist—Valse Caprice (Anton Rubinstein) Liebestraume, No. 3 (Liszt) **GRAND SYMPHONY ORCHESTRA OF PARIS**—Romco and Juliet Seln. (Gounod, arr. Tavan) **LANCE FAIRFAX**, Baritone—For Love Alone (Siever-Thayer) Songs That Live Forever (Lockton-Longstaffe) When Moonbeams Softly Fall (Heins-Seitz) **QUEEN'S HALL ORCHESTRA**, Conducted by **SIR HENRY WOOD**—

SUNDAY—continued

Spanish Dances Nos. 1, 2, and 3
(Granados, arr Sir H. Wood)
CARPI DUO—
Song Without Words, No. 25, Op. 62
(Mendelssohn)
12.15: Close.

AFTERNOON SESSION

1.30: Interlude.
TETE A TETE with SCHUMANN,
VLADIMIR HOROWITZ, Pianist—
Atabeske.
W. H. SQUIRE, 'Cellist—
Abendlied (Evening Song).
ELISABETH SCHUMANN, Soprano—
Er ist's (Spring)
Auftrage (Messages)
MINNEAPOLIS SYMPHONY ORCHESTRA.
Conducted by EUGENE ORMANDY—
Symphony No. 4 in D Minor, Op. 120.
ALEXANDER KIPNIS, Bass—
Mondnacht (Moonlight)
WILHELM BACKHAUS, Pianist—
Dedication—Love Song (arr. Liszt)
LOTTE LEHMANN, Soprano—
Die Kartenlegerin (The Fortune Teller)
MASSÉD ORCHESTRA OF CELLOS—
Traumerel.

2.0: Everyman's Music.
E.I.A.R. SYMPHONY ORCHESTRA, Turin—
The Siege of Corinth Overture (Rossini)
LONDON PHILHARMONIC ORCHESTRA—
Chopiniana—Suite for Orchestra
(Glazounov)
Polonaise, Op. 40, No. 1.
Nocturne, Op. 15, No. 1.
Tarantelle, Op. 43.
Lyric Suite (Grieg)
Shepherd Boy.
Norwegian Rustic March.
Nocturne.
March of the Dwarfs.
ANJA DORFMANN, Pianist—
Echoes of Vienna (Sauer)
Hungarian Rhapsody No. 10 (Liszt)
LESLIE BRIDGEWATER QUINTET—
Pierrette (Chaminade)
Prunella (Bridgewater)

2.55: Interlude.
PAU CASALS, 'Cellist—
Menuet (Haydn, arr. Plattl)
3.0: Musicale.
BERLIN PHILHARMONIC ORCHESTRA. Conducted
by WILHELM FURTWÄNGLER—
Symphony No. 5 in C Minor, Op. 67
(Beethoven)

JOSEPH SZIGETI, Violinist—
Sonata No. 3 in D (Weber, arr. Szigeti)
Chant Russe.
Rondo.
Piece en Form d'Habanera (Ravel, arr. Leduc)
Study in Thirds.
(Scriabine, Op. 8, No. 10, arr. Szigeti)

3.45: Talk.
4.0: Musicale (contd.).
MYRA HESS, Pianist, with ORCHESTRA,
conducted by WALTER GOEHR—
Concerto in A Minor, Op. 54 (Schumann)
LOTTE LEHMANN, Soprano—
Am Chloe (To Chloe) (Mozart)
Thérèse (Brahms)
Meine liebe ist grün (My Love is Green)
(Brahms)
Der tod das ist die kuhle nacht (Death is
the Cooling Night) (Brahms)

MARCEL MOYSE, Pianist—
Am Waldesbach (Wetzger)
Le Rossignol en amour (Coucherin le Gran)
VLADIMIR ROSING, Tenor—
Northern Star (Glinka)
Virtus Antiqua (Glinka)
The Sea (Borodin)
PHILADELPHIA ORCHESTRA. Conducted by
LEOPOLD STOKOWSKI—
Carmen Entracte to Act 4 (Bizet)

5.0: Classics.
PHILHARMONIC SYMPHONY OR-
CHESTRA OF NEW YORK. Con-
ducted by ARTURO TOSCANINI—
Lohengrin, Prelude to Act 1
(Wagner)

MARJORIE LAWRENCE (Soprano)—
Twilight of the Gods—Final Scene
(Wagner)
Brunnhilde bids a funeral pyre to be
built.
Ye Gods, guardian of all oaths!
My heritage! Accursed Ring!
Brunnhilde rides into the blazing pyre.
BRITISH SYMPHONY ORCHESTRA.
Conducted by BRUNO WALTER—
Mastersingers (Wagner)
Dance of Apprentices and Entrance of
Masters.

5.28: What's on the Air To-night?
5.30: Young People's Session. Serial—
Brother Eskimo. Christmas Carols.
Presented by ST. CHARLES BOYS'
CHOIR.

EVENING SESSION

6.0: A recital by EILEEN BOYD (Con-
tralto) and DAGMAR ROBERTS
(Piano).

6.20: A Programme by THE SYDNEY
STRING QUARTET.

6.40: ANCIENT CHRISTMAS CAROLS.
Presented by—
RUTH GUNTHER (Soprano),
LUCAS STAEBELIN (Recorder Flute),
CARL GOTSCH (Cello).
Piping Shepherds. Dutch—XV. Cen-
tury.

O Heiland, reiss den Himmel auf—
Swiss XVI. Century. (O, Saviour,
open the heaven).
In dem Himmel ist ein Tanz—Flem-
ish—XVI. Century. (There is a
Dance in Heaven).
Szwischen Ochs und Eselein—From the
Alsace—XV. Century. (Between oxen
and Small Donkey).
Quem Pastores (Whom the shep-
herds praised).

6.55: Interlude.
MILAN SYMPHONY ORCHESTRA—
Manon Lescaut—Prelude to Act 4
(Puccini)

7.0: Evening Service from St. Stephen's
Presbyterian Church, Macquarie
Street, Sydney.

8.25: Interlude.
ORCHESTRE SYMPHONIQUE OF
PARIS—
Saltarella (Vieuxtemps)

8.30: Late News and Weather Informa-
tion.

8.40: Young Ideas. A Forum for Young
People, conducted by GEORGE IVAN
SMITH.

9.0: Young Australia. Presenting JOSEPH
STAPLETON (Pianist).

9.10: Christmas Programme by the
PETERSHAM CITADEL BAND.

9.40: THE MASTERSINGERS' QUAR-
TET, with G. VERN BARNETT at the
Organ—
The Grave of a Singer (Franz Abt)
(Hawley—arr. Holland)
The Sweetest Flower that Blows
Abide With Me (Doris Arnold)
The Silent Land (Leslie Woodgate)
My Treasure (Travalsa—arr. Holland)
Bless This House (May Brahe)

10.0: Close.

3AR STATE NATIONAL PROGRAMME

MORNING SESSION

Relayed to 2CO, 3GI and 3WV
8.0: News. Foreign Exchange. 8.10: Sport-
ing Session. 8.20: Anton and the Paramount
Theatre Orchestra. The Girl of the Golden
West. Selection (Romberg). Stuart Robert-
son, bass-baritone—Dolores (Gerald), Reg-
inald Foort, organ—My Dream Garden, selec-
tion. Marta Eggerth, soprano—Wonderful
to be in Love (Nick-Penelli). Plaza Theatre
Orchestra, conducted by Frank Tours. Bal
Basque Valse Caprice (Fletcher). Tony
Lowry, piano, Paul Robeson, bass—Honey
(Van Alstyne). The Andre Kostelanetz Chorus
and Orchestra—Revenge with Music. Troise
and his Mandoliers—Serenade (Heykens),
Jeanette MacDonald and Nelson Eddy—Ahl
Sweet Mystery of Life (Herbert). Grand
Symphony Orchestra—Women of Vienna.
Overture (Lehar). Grand Symphony Orches-
tra with Soloists—Countess Maritza. Selec-
tion (Kaiman). Boston Promenade Orches-
tra, conducted by Arthur Fielder—Jealousy
(Gade). Joseph Schmidt, tenor—To-day is
the Happiest day of my Life (May). Salon
Orchestra—Thousand and One Nights, waltz
(Strauss, arr. Schmidlitch). 9.30 (2CO, 3GI,
and 3WV off to 3LO): See 2FC. The E.I.A.R.
Symphony Orchestra—The Siege of Corinth
Overture (Rossini). Paul Robeson, bass—
Still Night, Holy Night. All Through the
Night. Eileen Joyce, pianist—Prelude in E
Flat Major (Rachmaninoff). Prelude in C
Minor. Rhapsody in C Major (Dohnanyi). The
Berlin State Opera Choir—Sleep Well, Thou
Heavenly Child, Holy Night Pour Peace into
this Heart (Relayed to 2CO and 3GI at
9.50 a.m.). 10.0: News. 10.10: Interlude. 10.15:
Current Books Worth Reading.

10.30: From the Operas (See 2FC). Berlin
State Opera Orchestra—Parsifal, prelude Act
3 (Wagner). Joseph Schmidt, tenor—None
Shall Sleep (from Turandot) (Puccini). A.
Melandri and C. Zambelli with Chorus—Ex-
cerpts from Ernani (Verdi). Congura, Si-
ridesti il Leon di Castiglia. Marjorie Law-
rence, soprano—Twilight of the Gods (Wag-
ner). Brunnhilde bids a funeral pyre to
be built. Ye Gods, Guardians of all Oaths.
My Heritage! Accursed Ring! Brunnhilde
Rides into the Blazing Pyre.
11.0: Divine Service from The Australian
Church, Russell-street. Sermon: Rev. Dr.
Strong.

12.15: Midday Session. Relayed to 2CO
and 3GI. Vienna Philharmonic Orchestra,
conducted by Bruno Walter—Academic Festi-
val Overture (Brahms). Georges Thill, tenor
—La Boheme—Your Tiny Hand is Frozen
(Puccini). Yehudi Menuhin, violin—Scottish
Pastorale (Saenger). The Boston Pro-
menade Orchestra, conducted by Arthur Fielder
—Capriccio Espagnole, Op. 34 (Rimsky-Kors-
akov). Maria Hester, Chorus and Orchestra—
Groh, tenor, with Chorus and Orchestra—
Vienna Blood, selection (Strauss). Marek
Weber and his Orchestra—Saschinka, selec-
tion (Schirmann). 1.0: Buried Treasure, No.
9. 1.30: Close.

AFTERNOON SESSION

Relayed to 2CO and 3GI
3.0: An Armchair Chat, Mr. F. S. Bur-
rell. 3.20: Eugene Ormandy and The Phila-
delphia Orchestra: Les Preludes Symphonic
Poem (Liszt). The Lyons Mixed Chorus—
Three Songs (Ravel): 1. Nicolette, 2. Ronde,
3. Trois beaux oiseaux de Paradis. Alfred
Cortot, piano—Children's Corner Suite (De-
bussy). 1. Doctor Gradus ad Parnassum.
2. Jimbo's Lullaby. 3. Serenade for the Doll.
4. Snow is Dancing. 5. The Little Shepherd.
6. Goliwog's Cake Walk. Sir Thomas Beecham
and the London Philharmonic Orchestra—
Tales of Hoffman—Excerpts (Offenbach). 4.0:
Brass Band Recital by Collingwood Citizens'
Band, conducted by F. C. Johnston (See 2FC).
March—Mandora (Alford). Overture—Napoleon
(Bilton). Excerpts from Gilbert and Sullivan
(arr. Hume). March, "The Voice of the
Guns (Alford). Euphonium Solo. Wiederkehr
(Hartman). (Soloist: B. Simmonds)
4.30: From the Australian Church—Organ
Recital (See 2FC). 4.50: Music (See 2FC).
5.30: The B.B.C. Hour. 6.30: Interlude. 6.35:
Adventures in Music, presented by Mr. Lind-
ley Evans. 6.50: News. 6.55: News.

NIGHT SESSION

Relayed to 2CO and 3GI
7.0: The Blue Bird (See 2FC). 8.30: Inter-
lude 8.35: Incognito. 9.0: International Af-
fairs. 9.20: The New Note Oulet (See 2FC).
10.0: National Talk. 10.15: Music (See 2FC).
10.20: News. 10.30: Close.

3LO VIC. NATIONAL PROGRAMME 3WV

MORNING SESSION

Relayed to 2CO, 3GI and 3WV
9.30: Special Session for the Man on the
Land. 9.45: River Gruggings, Music. 9.50:
2CO and 3GI off to 3AR. Week's News. 10.0:
Everyman's Garden.
10.10: Louis Levy and the Gaumont British
Symphony—Sparkles. Selection (Hoffman).
Dennis King, baritone—Nichavo (Jerome-
Zucca). Henry Cradson, organ—Suite of Ser-
enades. Anni Frind, soprano—O Habet Acht
(Gipsy Baron) (Strauss). National Symphony
Orchestra—Malagena (Moszkowski).
10.30: The Week in Parliament. 10.45: Ana-
tole Kitain, piano—Flight of the Bumble Bee
(Rimsky-Korsakov, arr. Strimef); Mazurka in
E Minor (Scriabine). Czech Philharmonic
Orchestra, conducted by Václav Talich—Sla-
vonic Dance No. 16 in A Flat Major (Dvorak).
10.55: Items of Interest.
11.0: Divine Service from Holy Trinity
Church of England. Sermon: Rev. Roscoe Wil-
son. Organist: Mr. A. G. Read. 12.15: Close.

AFTERNOON SESSION

Relayed to 3WV
1.30: Questions and Answers. 2.0: Every-
man's Music. (See 3BL) 2.55: Grand Cele-
brity Ensemble—From Opera to Operetta. The
Boston Promenade Orchestra, conducted by
Arthur Fielder—Mignon Overture (Thomas).
3.10: From Wesley Church Central Mission—
Pleasant Sunday Afternoon Service.
4.30: Music for the Connoisseur. The New
York Philharmonic Orchestra, conducted by
Willem Mengelberg—Ein Heldenleben (Richard
Strauss). Kirsten Flagstad, soprano—Cacilie
(Richard Strauss). The New York Philhar-
monic Orchestra, conducted by Arturo Tos-
canini—Semiramide (Rossini). 5.30: Europe
from the Inside.
5.40: Light Symphony Orchestra, conducted
by Haydn Wood—Mannin Veen (Dear Isle of
Man) (Wood). Richard Crooks, tenor—A Little
Love, a Little Kiss (Slescu). Anja Dorfman,
piano—Die Fledermaus. Concert Paraphrase (J.

(Continued on Saturday Page)

SUNDAY—continued**2GB 870kc. 345m.**

8.0: The B.B.C. Wireless Military Band—The Crusader March (O'Donnell). Sam Carson, baritone—The Irish Stowaway (Crean). Rudy Vallee and his Connecticut Yankees—Melody Farm (Kaper-Jurmann). Dan Donovan, tenor—Irish Medley, part 2. The London Philharmonic Orchestra—Coppella Ballet, Theme Slav Varie (Czardas); Dance Hongroise (Delibes). Marta Eggerth, soprano—My Heart is Yours, Spanish Song (Dehmel). Grand Symphony Orchestra—Famous Operettas Potpourri, part 2 (arr. Robrecht). John Charles Thomas, baritone—Sailors (Roth-Wolfe).

8.30: Organ Reveries. 8.45: Hymns of all Churches. 9.0: Immortal Stories from the Book of Books—David the Fugitive. 9.30: For Pedestrians. 9.45: Little Country Church. 10.0: Hawaiian Club. 10.15: Healing with Food.

10.20: Music. 10.30: Liberal Catholic Church of St. Alban's Service. 11.40: Questions and Answers. 12.0: Music. 12.30: 2GB Youth Club. 12.35: Music. 12.45: Parents and Citizens' Association. 1.0: News. 1.5: Luncheon Session. 1.45: Highlights from Opera. 2.0: Radio Travelogue. 2.30: Music Hall Varieties. 2.45: Laft Parade. 3.0: Let's Waltz. 3.15: Way Out West. 3.30: Federal Agent.

3.45: Pop. Concert. 4.15: Feature Session. 4.45: The Radio Sunday School. 5.30: The Advent Radio Church, conducted by Pastor L. C. Naden.

6.0: Birthday Calls. 6.10: Stealing Through the Classics. 6.25: Music. 6.45: Music. 7.0: Talk. 7.15: Concert Under the Stars. 7.30: Music. 7.45: Mutiny of the Bounty.

8.0: Music. 8.15: I Want a Divorce. 8.30: Houses in Our Street. 8.45: World's Famous Tenors. 9.15: Show of Shows.

9.30: Memoirs of a Concert Master. 10.0: Music. 10.10: Organ Harmonies. 10.30: Evensong. 11.0: Close.

2UE 950kc. 316m.

8.0: Music. 8.30: Gardening Talk—Mr. C. Honeyfield. 8.45: In the Garden. 9.0: Music and Comedy. 9.0: The Banjo Club Programme. 9.50: Film Hits of Yesterday.

10.0: Home Community Singing. 11.30: Harmony Hour. 12.30: Music. 1.0: Tonic Tunes. 1.30: Radio Rhythm. 2.0: Laundry Lyrics. 2.15: Music. 2.45: Talk by Mrs. Pankhurst Walsh. 3.0: Know Your Music. 4.15: Anson Weeks and His Orchestra.

4.30: The Diggers' Programme, presented by Claude Holland and featuring Fred Webber and the Diggers. 5.0: Dogs—Talk by Mr. C. Honeyfield. 5.15: From Keyboard and Console. 5.30: Favorites Old and New.

6.0: Concert, featuring Erna Sack, Karl Schmitt Walter, George Boulanger, The Berlin Philharmonic Orchestra, etc. 6.30: Come, Listen to the Band. 6.45: Singing Stars. 7.0: Music. 7.15: Musical Comedy. 7.22: Musical Bouquet. 7.30: Excerpts from Grand Opera.

7.45: Violins and Voices. 8.0: Leaves of Memory. 8.30: Music. 8.45: Cushla De Lange, Contralto. 9.0: Music. 9.30: Musical Scrap Book. 10.0: La Scala di Seta (Rossini), Sir Thomas Beecham conducting the London Philharmonic Orchestra. 10.15: Music. 10.30: Tranquility Music. 11.0: Close.

2KY 1020kc. 294m.

7.30: Wake-up Session. 8.0: Cycling Capers. 8.15: Hawaiian Music. 8.30: Back to the Land. 9.0: New Sunday Morning Programme. 9.30: The Music Shop.

10.0: Humor for the Menfolk. 10.15: Laughter in the Rear. 10.30: Miss Harmony at the Piano. 11.45: Fun Flashes. 11.15: The Real McCoy. 11.30: Health Harmony. 11.45: Piano-accordeons on Parade. 12.0: Music Medley.

12.30: Gloom Chasers. 1.0: Albert Palais. 1.30: The Modern Home. 2.0: Musical Remedies. 2.30: Smile Session.

3.0: Music. 3.30: Radio Ramblings. 4.0: Radio Rhythm. 4.30: Music. 5.0: Happy Hour Unit—Cavalcade of Swing—Brian Howard. 5.30: Musical Tastes.

6.0: Feature Hour. Conducted by Capt. Bairnsfather. Artists—Benny Oddy, Pianist. 7.0: Happy Hour Unit—Vernon Sellars. 7.30: Piano-accordion Merry-go-round. 8.0: The Rotunda. 8.30: Happy Feet. 9.0: John Harper Entertains. 9.15:

Sight-seeing. 9.30: Heroes of Civilisation—Radio Play. 10.0: Tralie Russell Players. 10.15: News. 10.30: Happy Hour—Brian Howard. 11.30: Close.

2UW 1110kc. 270m.

4.0: New Zealand Breakfast Session. 4.30: Countryman's Breakfast Session. 4.45: Weather, Rivers, Mails, Shipping. 5.0: Rural Interests. 6.0: An Early Breakfast. 7.0: Ruffal Cavalcade.

9.0: Motorists' Weather Bureau. 9.15: Positions Vacant. 9.30: Dog Session. 9.40: Resume Greyhound Races. 9.45: Melodies. 10.0: Your Garden and Mine. 10.15: Eyes Right. 10.30: Court of Kings. 10.45: Royal Flying Scholarship.

11.0: Music of the Masters. 11.30: Health Harmonies. 11.45: Light Orchestral Music. 12.0: The Fawcett Family. 12.15: Dance Rhythm. 12.30: Melodies. 1.0: British Orchestras. 1.30: Feet First. 2.0: The Wayfarers. 2.15: Popular Artists. 2.30: Golden Hour of Music. 2.45: Singers of International Fame.

3.0: Afternoon Musical. Rhapsody in Blue (Gershwin)—Boston Promenade Orchestra. For You, Ciribiribin—Grace Moore (Soprano). Ballad in A Flat, Polonaise in A Flat—Ignaz Friedmann (Pianist). Mill on the Rock—B.B.C. Wireless Military Band. My Sheepdog and I, The Merry-Go-Round—Harold Williams (Baritone). Serenade, Adieu—Joseph Saiget (Violinist). Russian Songs—Chauve Souris Company.

4.0: Musical Moods. La Gioconda—Cielo E Mar—Louis Katzman's Orchestra. His Highness Waltzes—Associated Schrammel Quartet. Water Boy—Norman Gordon. Waltz from Faust. Invitation to the Dance—Burdon's Orchestra. Sylvia, Old King Cole—Associated Male Quartet. Menuet, Serenade—Anthony Wald's Orchestra. 5.0: Melody Girl. 5.30: Destiny of the British Empire. 5.50: Orchestral Interlude.

6.0: Hits of the Week. 6.30: Music. 7.0: Mittens. 7.15: Hill Billies. 7.30: Time Marches On. 7.50: Personalities at the Piano.

8.0: John Halifax, Gentleman. 8.15: Twentieth Century. 8.30: Music. 8.45: His Lordship's Memoirs. 9.15: Theatrical Revue. 9.30: The Philadelphia Symphony Orchestra.

10.0: Foreign Affairs. 10.10: With the Immortals. 10.30: Music Lovers' Half Hour. 11.0: From Here, There, and Everywhere.

12.0: Continuous Entertainment. 12.30: Keeping the Party Going. 1.0: Cheerio Calls. 1.30: News. 2.0: Hospital Nurses' Supper Session.

2CH 1190kc. 252m.

9.0: Symphony Orchestra, Turin—Siege of Corinth (Rossini). 9.3: Lawrence Tibbett, baritone—Quick Three Gaolers and a Closed Carriage Tosca. 9.12: Eileen Joyce, Piano—Rhapsodie Sinfonica (Turina). 9.16: Lina Pagliughi, Soprano—Air from Sonnambula (Bellini). 9.20: Budapest String Quartet—Italian Serenade in C Major (Wolf). 9.26: Jussi Bjorling, Tenor—Heaven and Ocean (La Gioconda). 9.30: Arthur and Karl Schnabel—Finale Concerto in C Major (Bach). 9.38: Marion Anderson, Contralto—Heaven, Heaven (Burleigh). 9.41: London Philharmonic Orchestra—Finale Concerto in A Minor (Glazounov). 9.49: Miliza Korjus—Soprano—Aria of Queen of the Night—Magic Flute (Mozart). 9.53: Lauri Kennedy, 'cello—Melodie (trans-Kennedy). 9.57: Malcolm McEachern, bass—The Bell Ringer (Wallace).

10.1: Orchestral Club—A. S. Cochrane. 10.31: Foster Richardson, bass—The Trumpet Shall Sound (Handel). 10.35: Irene Scharrer, piano and Orchestra—Finale Concerto Symphonique No. 4 (Litoff). 10.41: Nellie Walker and Chorus—Spinning Song from The Flying Dutchman (Wagner). 10.45: Exclusive Artists. 11.0: Morning Service—Congregational Church Rockdale. 12.30: Close.

1.30: London Philharmonic Orchestra—The Calm, William Tell. 2.34: Temperance Session. 2.53: Czech Philharmonic Orchestra—Carnival Overture. 3.1: Dino Borgioli, Tenor—O Del Mio Amato Ben. 3.5: Marco Moysse, 'flute—Serenade, Les Millions d'Arlequin. 3.8: Gota Lunberg and Walter Widdop—Love Duet (Widdop). 3.16: Heifetz, violin—Sonata in A Major (Faure). 3.41: Peter Dawson, baritone—The Sacred Hour. 3.45: Mischa Spoliansky, piano—Christmas Melody. 3.49: Helen Jepson, soprano—Ah! Fors E Lui. 3.53: Overture—Midsummer Night's Dream.

4.5: Book Reviews—Rev. A. W. Marsh. 4.35: Church Session—Methodist. 5.0: Children's Session. 5.40: Service for the Sick. 5.58: C.R.E. Session for Youth Workers. 6.15: Close.

7.0: Sacred Music. 7.15: Evening Service—Anglican. 8.30: London Philharmonic Orchestra; Finlandia, Opus 26 (Sibelius); Valse Triste. 8.35: Kirsten Flagstad, Soprano: The Trout (Schubert).

8.45: Rev. T. C. Hammond—Popular Objections to Protestantism Met. 9.0: The Bible Man—Rev. A. W. Stuart, B.A. 9.15: The Church in the Wildwood. 9.45: Epilogue. 10.0: Close.

2SM 1270kc. 236m.

11.0: High Mass—St. Mary's Basilica. 11.20: Sermon—St. Mary's Basilica. 12.30: Variety Fair—Presented by Stuart Dibley.

2.15: Harry Woolf and his Cubs. 2.30: Melodiana. 3.30: Master Recordings. 4.0: Celebrity Recital—George Wollaston.

6.0: Angelus. 6.1: Uncle Tom and Joan. 6.30: Father Walsh, S.J. — Lecturette: Christmaside. 7.0: Rev. Dr. Rumble, M.S.C.—Question Box. 8.0: Father Thompson, C.M.—Lecturette.

8.15: Piano Request Session. 8.45: Cavalcade of Empire—El Dorado and Sir Walter Raleigh. 9.0: Australiana. 9.10: We Shall Have Music. 9.25: Musical Interlude. 9.35: The Cuckoo Court. 10.0: The Dream Ship — Piloted by John Dunne. 10.30: Close.

2CA 1050kc. 286m.

6.30: Early Morning Session. 8.30 to 1.45: Away with the Blues! Phil Furley's Cheery Sunday Morning Session. Melody, Mirth, Birthday Greetings and Cheerio Calls, Greetings to Wagga, Goulburn, Yass, Cooma, Braidwood, Gunning, etc.

3.0: Music Lovers' Hour of Special Recordings. 3.30: The Magic of London. 4.0: Music. 4.30: Melodious Moments with Benjamin Gigli, Minneapolis Symphony Orchestra, Emmy Bettendorfer.

5.0: Musical Potpourri. 6.0: Light Orchestral Concert. 6.30: Gems from the Opera. 7.0: Instrumental Recital. 7.15: World Personalities. 7.30: Hymns of All Churches.

7.45: How the Other Half Lives. 8.30: Bits and Pieces. 9.0: Mutiny on the Bounty. 9.15: Light Orchestral Recital. 10.0: Music. 11.30: Calling South Australia. 12.30: Greeting Western Australia. 3.30: Hello, New Zealand. 5.0: Melody and Mirth.

2KA 780kc. 385m.

8.30: Organ Reveries. 8.45: Music. 9.0: Cozy Corner. 9.30: The Music Shop. 9.45: Do You Know This One?

10.0: Comedy Interlude. 10.30: Donald Day's Community Hour. 11.30: The Organ Speaks. 11.45: Songs from the Stars. 12.0: Midday Melody Parade.

1.0: Lovely Lady. 1.30: Gems from Opera. 2.30: Free and Easy. 3.30: Music. 4.0: Orchestral Recital. 4.30: Favorite Singers. 5.0: Shadows in Rhythm. 5.45: Instrumental Music.

6.0: Musical Comedy. 6.15: Merry Moments. 6.45: Radio Rhythm, with Vic Sylvester. 7.0: Music. 7.15: World Orchestras. 7.30: The Great Outdoors.

8.0: 2KA Players. 8.30: Show of Shows. 9.0: Coronets of England. 9.30: Dance Music. 10.30: Music. 11.0: Close.

PAID IN ADVANCE

HAD a yarn to Tommy Jay, 2SM's Good-morning man, the other day. He was relating some of his experiences while travelling with the shows. "I remember," he said, "at one pub where we were looking for accommodation. I was the spokesman, and asked the publican if he had any special terms for actors." "Too right," he said. "Too right. They — well pay in advance." The boys paid. Tommy also says that when his time comes to marry he intends to do it in a hurry. "You know," he said, "very few chaps earn enough for a long engagement."

MONDAY DECEMBER 19

2FC AUSTRALIAN NATIONAL PROGRAMME

2CO, 2NR, 3AR, 3GI, 4RK, 4QR, 4QN, 5AN, 5CK, 6WA, 6WN, 7ZL, 7NT.

THE OPENING SESSION

- 6.30: G.P.O. Chimes. Opening Musical Items.
- 6.32: Meteorological Information.
- 6.35: Mails and Shipping Information and Market Reports.
- 6.40: Brief Market Reports.
- 6.45: Cables (Copyright) from the Australian Associated Press. News Commentary.
- 6.55: News from "The Sydney Morning Herald."
- 7.0: The Daily Dozen.
- 7.10: Morning Music.
- 8.0: News from "The Sydney Morning Herald."
- 8.5: Cables (Copyright) from the Australian Associated Press. British Official Wireless News Service.
- 8.15: Morning Music.
- 8.30: The Hospital Half Hour.
- 9.0: Musical Interlude.

THE MORNING SESSION

- 9.30: The Morning Story—by CAPT. DAVID HERBERT.
- 9.50: Interlude.
- 9.55: Overseas and Sydney Wheat Quotations.
- 9.57: An Organ Interlude.
- 10.0: Morning Devotional Service—Conducted by REV. R. J. WILLIAMS.
- 10.15: Close.

THE MIDDAY SESSION

- 12.0: Observatory Time Signal. Musical Items.
- 12.20: Overseas and Sydney Wheat Quotations. Special Produce Market Session, supplied by the State Marketing Bureau.
- 12.40: At Home and Abroad—A News Commentary by THE WATCHMAN.
- 12.55: A Glance at the Afternoon "Sun." Cables (Copyright) from the Australian Associated Press. Additional News from the British Official Wireless News Service.
- 1.5: Luncheon Music.
- 1.15: Recital by DESMOND TANNER at the Electric Organ.
- 1.30: Interlude.
- 1.35: Sydney Speaks.
- 1.45: Racing Talk by MICK PERRY.

THE AFTERNOON SESSION

- 2.0: Miniature Musicale—GRAND SYMPHONY ORCHESTRA—conducted by M. G. CLOEZ—Scenes Alsaciennes (Massenet) Dimanche Matin. Au Cabaret. Finale.
- PETER DAWSON (Baritone)—Midnight Review (Glinka) Captain Harry Morgan (Bantock) Sword Song (from Caractacus) (Elgar) GRAND SYMPHONY ORCHESTRA—Conducted by N. GREVILLIUS—Jewels of the Madonna (Wolf-Ferrari) Apache Dance. Intermezzo.
- 2.30: A Pianoforte Recital by FRANK MERRICK and LOUIS KENTNER. FRANK MERRICK—Sonata in C Minor, Op. 1, No. 3 (Field) Non Troppo Allegro ma con Fuoco e con Espressione. Rondo. Allegretto Scherzando. Nocturne in A Flat (Field) LOUIS KENTNER—Feux Follets (Liszt) Au bord d'Une Source (Liszt) Hungarian Rhapsody No. 2 (Liszt)
- 3.0: Musicale (continued)—SYMPHONY ORCHESTRA—Conducted by CLEMENS SCHMALSTISCH—Betrothed Bride—Fantasy (Smetana-Petras) MILIZA KORJUS (Soprano)—La Danza (Rossini) Funiculi Funicula (Denza) Thousand and One Nights (Strauss) JASCHA HEIFETZ (Violin)—On Wings of Song (Mendelssohn) Zapateado (Sarasate)
- 3.30: Opera House. THE BERLIN STATE OPERA HOUSE ORCHESTRA—Jubel—Overture (Weber) EZIO PINZA (Bass)—Norma—Haughty Roman (Bellini) LINA PAGLIUGHI (Soprano)—I Puritani (Bellini) Son Verjin Vezzosa. Qui la voce tua Soava. LA SCALA CHORUS—

- La Sonnambula—Ah Fosco Cielo (Bellini)
- BOURNEMOUTH MUNICIPAL ORCHESTRA—Zampa Overture (Herold)
- 4.0: For Women in the Country—Session conducted by LORNA BYRNE.

- 4.15: Musical Items. THE BERLIN SYMPHONY ORCHESTRA—Undine Overture (Lortzing) JOSEPH HISLOP (Tenor)—Herding Song (arr. Lawson) Eriskay Love Lilt (arr. Kennedy-Fraser) EDITH WALTON (Pianist)—Prelude in D, Op. 23, No. 4 (Rachmaninoff) Prelude in E Flat Minor, Op. 23, No. 9 (Rachmaninoff) Prelude in E Major, Op. 32, No. 3 (Rachmaninoff)

- NINON VALLIN (Soprano)—Vieux-Tu Partir un Jour (Albeniz) Elegie (Massenet) Berceuse de Jocelyn (Godard) THE BOSTON PROMENADE ORCHESTRA—Kammenol-Ostrow (Rubinstein)
- 4.55: Stock Exchange, Third Call.
- 4.58: Musical Items.

THE EARLY EVENING SESSION

- 5.20: PAT AND THE TINY TOTS.
- 5.30: Young People's Session—Serial—Tom Cringle, by MUSETTE MORELLE.
- 5.40: Musical Moments with BRYSON and WILLA.
- 5.50: The Zoo Man.
- 6.0: Interlude.
- 6.20: Militia Session—Conducted by CAPTAIN N. GRIFFITHS.
- 6.30: Interlude.
- 6.40: Sporting Session—Results and Comments.
- 6.45: Weekly Magazine of Sport—A Talk by VIC. RICHARDSON.
- 6.55: Sporting Session (continued).
- 7.0: The Diggers' Session—Presenting THE THREE DIGGERS. Serial by E. V. TIMMS. Production—CHARLES WHEELER.
- 7.15: Local Diggers' Session.
- 7.20: National News Bulletin.
- 7.25: News Commentary.
- 7.30: Local News.
- 7.35: Musical Interlude.
- 7.38: Features in to-night's Programme.
- 7.40: Men Talking.
- 7.58: Copra Prices.

THE EVENING SESSION

- 8.0: THE LABORS OF HERCULES—An Original Radio Adventure Series—by MAX AFFORD. The Final Task. And so we come to the final labor of Hector Cousins, our twentieth century Hercules. And although it is rather different from the others, it is, as Bartholomew warns him, the most difficult of them all. It concerns a cruel trick played upon the young man by Eleanor Holmes and how Bartholomew, keeping in mind that desperate ills need desperate remedies, used his resourceful mind to help his master for the last time. To tell more would be to rob this last episode of its surprise, since both Hector Cousins and the listener find that the course of true love sometimes produces unexpected twists. The nature of these we leave you to discover for yourself. The Characters: Hector Cousins. Bartholomew. Eleanor Holmes. Jean Moreland. Frederick Potby. A Canon. A Hospital Nurse. Alice. Production—LAWRENCE H. CECIL.
- 8.30: THE NATIONAL MILITARY BAND—Conducted by STEPHEN YORKE.

- March—Punjaub (Payne)
- Overture—Macbeth (Hatton)
- Ballet Music from Sicilian Vespers (Verdi)

- Tarantelle des Salons (Jullien)
- 9.0: Topical Revue. This Week's News in Song, Sketch, and Story. Written by COLIN WILLS. Production: RUSSELL SCOTT.
- 9.30: Choral Cavalcade—Presented by THE A.B.C. WIRELESS CHORUS—Conducted by JOHN ANTILL.
- 9.45: The Voice of Youth—Session conducted by GEORGE IVAN SMITH. Life for an Australian Student in America—MR. EDWARD LITTLE-JOHN.

- 10.0: From the Tivoli Theatre—LARRY ADLER, the World's leading Mouth Organ Virtuoso (by courtesy of Frank Neil, of the Tivoli Circuit).
- 10.30: From the Studio—BOYS OF THE OLD BRIGADE—Featuring THE NATIONAL MILITARY BAND, Conducted by STEPHEN YORKE. In a series of Dramatic Episodes depicting interesting and stirring events in the history of the British Army. Written for Radio by EDMUND BARCLAY. Episode the Sixth: Their Own Darned Tune. In 1794 the 14th Foot, now the West Yorkshire Regiment, were storming the French Revolutionary Camp at Farnars, which was being stubbornly defended by troops who were inspired by their band playing Ca Ira. The Yorkshiremen, though hardened to hot work, found this attack too warm for them, and they were forced to fall back, and there arose one of those desperate situations which are only saved by flashes of genius or through inspiration. What this flash was will be presented in to-night's episode. Production: LAWRENCE H. CECIL.
- 10.50: Interlude.
- 11.20: Late News and Late Official Weather Forecast.
- 11.30: Close.

2BL N.S.W. NATIONAL PROGRAMME

2CR, 2NC OPENING SESSION

- 10.0: G.P.O. Chimes. Morning Devotion—conducted by REV. R. J. WILLIAMS.
- 10.15: Interlude.
- 10.20: Women's Session—conducted by JANE.
- 11.20: Musical Items.
- 11.30: Interlude. WESTMINSTER ABBEY SPECIAL CHOIR—Blessed City (Bairdston) MURIEL BRUNSKILL (Contralto)—Bless This House (Brahe) PHILADELPHIA ORCHESTRA—Conducted by LEOPOLD STOKOWSKI—Prelude in E Flat Minor (Bach-Stokowski)
- 11.45: Music.

MIDDAY SESSION

- 12.0: Observatory Time Signal. Rainfall Registrations. Stock Exchange, First Call, and Metal Quotations.
- 12.8: Musical Interlude.
- 1.5: Metropolitan Weather Forecast. Ocean Forecast and Synopsis. Weather Note and Forecasts, including State, Sectional, and Air Route. Rainfall Registrations.
- 1.15: Afternoon News from "The Sun." Cables (Copyright) from the Australian Associated Press. What's On the Air This Afternoon? 1.27 (approx.): During the afternoon complete descriptions will be given of the Charity Race Meeting at Moonee Valley (Vic.), interspersed with Musical Items (r.) from the Sydney Studio, and descriptions of the Cricket Match, Victoria v. Queensland at Melbourne and South Australia v. N.S.W. at Adelaide.
- 2.0: Stock Exchange, Second Call.
- 5.40: Programme Previews.

MONDAY—continued

EARLY EVENING SESSION

- 6.0: Weather Information.
- 6.5: Dinner Music.
- 7.0: What's On the Air To-night?
- 7.2: Dinner Music.

EVENING SESSION

- 7.45: JAY WHIDDEN'S After Dinner Show.
- 8.30: Some Films of the Week—A Talk by COLIN WILLS.
- 8.40: CLIVE AMADIO (Saxophonist).
- 8.50: Late News, Weather Information, and Market Reports, Stock Exchange, Late Call.
- 9.10: A Programme by THE STUDIO CONCERT ORCHESTRA—Conducted by WILLIAM CADE.
- 9.45: A Recital by ALFRED LAWRENCE (Bass Baritone).
Songs from Dichterliebe (Schumann).
Overture—Undine (Lortzing)
Selection of Russian Gipsy Airs and Dances (Arr. Ralf)
Suite—Holiday Sketches . . (Foulds)
- 10.0: Modern and Contemporary Composers—Continuation of a Series of Programmes — Arranged by ROY AGNEW.
Sonata No. 2 for Violin and Piano (Honegger)

Allegro Cantabile

Larghetto

Vivace Assai

Violin: P. MOORE MacMAHON.

Piano: FRANK WARBRICK.

Sonata Transatlantique .. (Tansman)

Fox Trot

Spiritual

Blues

Piano: WILFRED ARLOM.

10.25: Interlude.

10.30: Close.

3AR

STATE NATIONAL PROGRAMME

EARLY MORNING SESSION AS FRIDAY

Relayed to 3GI and 3WV

MORNING SESSION AS FRIDAY

Relayed to 2CO and 3GI

MIDDAY SESSION AS FRIDAY EXCEPT

Relayed to 2CO, 3GI, 3WV

12.0: Broadcast to Schools, Health and Biology. 1.15: Des Tanner at the Organ.

AFTERNOON SESSION

Relayed to 2CO and 3GI

2.0: The Hit Parade. 2.30: Mirth and Melody from John Tilley and Horace Heidt and his Brigadiers. 2.45: Plantation Melodies. 3.0: Symphonetta. 3.15: Singers and their Songs. Heddie Nash. 3.30: J. H. Squire Celeste Octet. 3.45: Religious Music.

THE CLASSIC HOUR

4.0: London Symphony Orchestra Conducted by Eugene Goossens—Le Coq D'or Suite, Rimsky-Korsakov. Anny von Stosch, soprano, Magic Flute—Ah, I Knew It. (Mozart). Marriage of Figaro—Oh, Come do not Delay (Mozart). Myra Hess, pianoforte—Album Leaf (Matthay). Elves, Op. 17 (Matthay). Vladimir Rosing, tenor—Northern Star (Glinka). Crusader's Song (Glinka). Song of the Poor Wanderer (Nevstrueff). The Drunken Miller (Dargomizjsky). Leopold Stokowski and the Philadelphia Orchestra—Overture 1812 Op. 49 (Tschaiikowsky).

LATE AFTERNOON SESSION

Relayed to 2CO and 3GI

5.0: Harry Bloom's Dance Band. 5.20: Elizabeth and The Tines. 5.30: Young People's Session. The Radio Serial. Tom Cringle. The Children Say! Silas Winkle's Bookshop. (2CO and 3GI off to Local).

EVENING SESSION

6.0: French Session. 6.15: Relayed to 2CO and 3GI. Music. 6.40 (2CO off to 3LO): Sporting Session. 6.45 (Relayed to 2CO and 3GI): "Weekly Magazine of Sport." 6.55: Rainfall, Weather, Country Districts. 7.0: Digger Doings. 7.15: Music. 7.20: (Relayed to 2CO, 3GI, 3WV): News. 7.30: News. 7.35 (2CO off to Local—3WV off to 3LO): Links with the Past. 7.36: Music. 7.40 (Relayed to 2CO and 3GI): Men Talking. 7.58: How It Began.

NIGHT SESSION

Relayed to 2CO and 3GI

8.0: The Labors of Hercules. 8.30: Band Recital by the National Military Band. (See 2FC.) 9.0: Topical Revue. 9.30: Choral Cavalcade, presented by The A.B.C. Wireless Chorus, conducted by John Antill. 9.45:

The Voice of Youth, Session conducted by George Ivan Smith. 10.0: Larry Adler. 10.30 (Relayed to 2CO, 3GI and 3WV): Boys of the Old Brigade (See 2FC). 10.50: Prelude to Repose. 11.30: News. 11.30: Close.

3LO

VIC. NATIONAL PROGRAMME

3WV

Morning Session as Friday, except:

Relayed to 3WV.

10.15: New Light Symphony Orchestra, conducted by Eugene Goossens—Triana (Albeniz). 11.20: Overture—Boston Promenade Orchestra, conducted by Arthur Fiedler—Poet and Peasant (Von Suppe).

Midday Session as Friday.

AFTERNOON SESSION

Relayed to 3WV.

2.0: During the afternoon Jim Carroll will give Descriptions of the Charity Meeting at Moonce Valley, interspersed with Music. (3WV off to 3AR from 3.0 to 3.15 p.m.)

EVENING SESSION

Relayed to 3WV.

6.5: Dinner Music. (Relayed to 2CO from 6.40 to 6.45 p.m.) (3WV off to 3AR from 7.30 to 7.35 p.m.)

NIGHT SESSION

Relayed to 3WV.

7.45: Jay Whidden's After-dinner Show. 8.30: Round the Town. 8.45: Interlude. 8.50: News. Weather. Shipping. Markets. 9.10: Recital by Miriam Hyde. Piano—Nocturne in C Minor (Chopin). Etude in A Flat, Op. 25 (Chopin). Etude in F Minor, Op. 25 (Chopin). Ballade in G Minor (Chopin).

9.50: A Programme of International Celebrities. The Third of a Series of Wagnerian Operas—Tristan and Isolde, Act 2. 10.30: Close. (3WV off to 3AR.)

4QG

Q'LD NATIONAL PROGRAMME

4QN, 4RK

EARLY MORNING AS FRIDAY

MIDDAY SESSION

12.0: (Relayed to 4RK and 4QN). Health and Biology. 12.15: Interlude. 12.20: Countryman's Service Session. 12.30: Interlude. 12.40: At Home and Abroad. 12.55: (4RK and 4QN off to local). Interlude. 1.0: (Relayed to 4RK and 4QN). Cable News. News. Weather. 1.5: (4RK and 4QN off to 4QR). Interlude. 1.15: Des. Tanner at the Organ. 1.30: Music.

AFTERNOON SESSION

2.0: Film Fantasia. 3.0: Everybody's Melodies. 3.55: News. 4.0: The Classic Hour. 5.0: Hits and Encores.

THE CHILDREN'S SESSION

5.20: Tiny Tots. 5.30: (Relayed to 4RK and 4QN). Tom Cringle. 5.40: (4RK and 4QN off to 4QR). Cap and Bebe. 5.50: Nature Flashes. 5.57: Interlude.

EARLY EVENING SESSION

6.0: Dinner Music. 7.0: Programme Announcements. 7.2: Music.

NIGHT SESSION

7.45: (M3) Jay Whidden's After Dinner Show. 8.30: Mr. Suburb and Mr. City. No. 3—Shakespeare. 8.50: News. 9.10: Our Overseas Letter. 9.20: Celebrity Recordings. Queen's Hall Orchestra—Overture in C Minor (Bruckner). Yehudi Menuhin (Violin) and Philharmonic Symphony Orchestra, New York—Concerto in D Minor (Schumann). Busch Chamber Players—Suite No. 1 in C Minor (Bach). 10.30: Close.

4RK

Q'LD. NATIONAL PROGRAMME

4QN

6.30: From 4QG. 8.15: Close. 10.0: From 4QR. 12.0: From 4QG. 12.55: Local News. 1.0: From 4QG. 1.5: From 4QR. 5.30: From 4QG. 5.40: From 4QR. 8.15: Local News. 6.30: From 4QR. 11.30: Close.

4QR

Q'LD. NATIONAL PROGRAMME

MORNING AND MIDDAY SESSION

10.0: (Relayed to 4RK and 4QN). Service, by Rev. David Galloway. 10.15: Church Music. 10.30: Popular Melodies. 10.45: Women's Hour. 11.15: Talk—Gertrude's Grave. 11.30: Words and Music. 11.55: Programme Announcements. 12.0: (4RK and 4QN off to 4QG). Midday Melodies. 1.5: (Relayed to 4RK and 4QN).

Sheffield Shield Cricket—Victoria v. Queensland. 1.20: Interlude. 1.30: Radio Rhythm.

AFTERNOON SESSION

2.0: Speaking Personally. 2.30: Classical Half-hour. 3.0: For the Diggers. 3.35: Sheffield Shield Cricket. 4.5: Bands and Baritone. 4.30: Rendezvous with Rhythm. 5.0: Sheffield Shield Cricket. 5.30: (4RK and 4QN off to 4QG). 5.40: (Relayed to 4RK and 4QN).

EARLY EVENING SESSION

6.5: Music. 6.15: (4RK and 4QN off to local). A Song at Tea-time. 6.30: (Relayed to 4RK and 4QN). 6.40: Sporting Session. 6.45: Weekly Magazine of Sport. 6.55: General Sport. 7.0: Digger Doings. 7.15: Interlude. 7.20: News. 7.30: News. 7.35: Weather, Island Steamer Movements, Copra Prices. 7.40: Men Talking. 7.55: Programme Announcements.

NIGHT SESSION

8.0: The Labors of Hercules. (See 2FC.) 8.30: The National Military Band. (See 2FC.) 9.0: Topical Revue. 9.30: Choral Cavalcade, presented by the A.B.C. Wireless Chorus, conducted by John Antill. 9.45: The Voice of Youth, conducted by George Ivan Smith. 10.0: Larry Adler. 10.30: Boys of the Old Brigade. (See 2FC.) 10.50: Prelude to Repose. 11.20: Weather, News. 11.30: Close.

5CL

S.A. NATIONAL PROGRAMME

Morning and Midday Session as Friday, except. 9.45: Bournemouth Municipal Orchestra. Irene Scharrer, Pianist. Malcolm McEachern, Bass. 10.30: Service. Preacher: Rev. A. H. Pointon for Methodist. 11.30: Squire Celeste Octet. June Barson, Soprano. 12.0: Time Signal. Alfredo Campoli and his Orchestra. Peter Dawson, Bass. Billy Mayerl, Pianist. 12.45: Desmond Tanner at the Electric Organ.

AFTERNOON SESSION

During the afternoon a racing service from Moonce Valley (Charity Meeting) will be provided, interspersed with a specially selected recorded programme.

Early Evening Session as Friday, except: 7.20: Boy Scouts' Corner.

EVENING SESSION

7.30: The After Dinner Show. 8.0: Allan Eddy, Baritone. Presents a programme of Negro Songs. Water Boy (Robinson), Canoe Song (from Sanders of the River), Spolian-sky). Short'unin' Bread (Wolfe). De Glory Road (Wolfe). 8.20: Interlude. 8.30: Countrymen's Session. 9.0: (5CK off to 5AN). Weather. 9.5: Who's Hooper. A production from the B.B.C. 10.0: News. Weather. Sport. 10.10: Music. 10.30: Close.

IMAGINE!

CAN you imagine Jack Davey all coy and girlish . . . all femininely romantic? That is what the crowd at the 2GB community concert found when Jack played Juliet to Dick Fair's Romeo in the love scene from Shakespeare's immortal romance. It was so tremendously popular that the pair decided to make a regular Wednesday appearance in a new series of Great Burlesques. A passionate scene from "The Taming of the Shrew" followed, and last week they crowned their record with the Ballet Ruffe—and, believe us, it was rough!

They are just about as funny as any two people in radio in Australia, and the crowds which pack the Savoy each week reckon they are getting their money's worth. You can count on the Fair-Davey combination to keep things moving at 2GB community for months and months to come.

STREAMLINED STUDIO

JOHNNIE WHEELER went on the air from 2UW last Monday during the "silver session in the new black and silver "B" studio recently completed. He has the honor of being the first announcer to broadcast from the new studio, and looked great perched at the huge announcing desk, with its two outside turntables. Soon the other studios will be complete, equipped with the latest in lighting, furnishing, and transmission facilities.

MONDAY—continued

2GB 870kc. 345m.

Day Sessions as Friday, except:
9.0: Hall of Song. 9.45: Music. 10.15: Banish Drudgery Session—Dorothy Jordan.
3.30: The Consulting Room. 4.0: Feature Session. Serial. What's New—Things That Happen. 4.30: Jingle Bells.

6.0: Radio Newspaper. 6.15: Adventures in Christmas Tree Grove. 6.30: Dinner Music. 6.45: Charlie Chan. 7.0: Star Performers. 7.15: The Double Event. 7.30: Lady Courageous. 7.45: Music. 7.50: Under the Baton.

8.0: The Year's Best. 8.15: Dan Jamieson and His Boys. 8.30: The Comedy Harmonists. 8.45: Song Reminiscences. 9.0: World Entertains—Sufrimento. Gavotte, Scotch Poem, Aloha. 9.15: Music.

9.30: Guest Artists' Session. 9.45: The Joy of Living. 9.55: Music. 10.0: 2GB News Review. 10.15: The London Palladium Orchestra—Whistler and his Dog (Pryor). Joseph Schmidt, Tenor, with Chorus—Tiritomba—Italian Folk Song (May). The Bohemians Light Orchestra—Destiny Waltz (Baynes). Jeanette MacDonald, Soprano, and Nelson Eddy, Baritone—Farewell to Dreams (Kahn-Romberg). 10.30: Dance Session. 11.0: Music. 11.26: Good-night Song. 11.30: Close.

2UE 950kc. 316m.

Day Sessions as Friday, except:—
6.0: The Alarm Clock, with Gordon McKillop. 9.30: The Radio Adviser on Life's Problems. 11.15: Health Talk. 1.5: Poultry—Talk by Mr. C. Honeyfield. 1.20: Acceptances for Victoria Park and Moonee Valley Results. 2.30: Music Brings Memories. 3.0: Going Places. 3.30: Flo Paton and Claude Holland. 3.40: Music. 4.30: Sweet Strings. 4.45: Kiddie Kapers.

6.0: Bobby Filbert Starts Work. 6.20: Dinner Music. 6.40: Pensini and his Accordeon. 6.55: Popular Conductors. 7.0: Dinner Music.

7.15: Tex Morton's Radio Round Up. 7.30: Charles Benson, Tenor. 7.45: Music. 8.0: The Kingsmen. 8.15: Music. 8.22: Musical Bouquet.

8.30: Hollywood Spotlight. 8.45: Music. 8.55: News. Note: During Evening Wollongong Greyhound Results. 9.0: Personalities on Parade.

10.0: Music. 10.15: Music. 10.30: The Battle of the Sexes. 11.0: Summary of Wollongong Racing. 11.5: The Battle of the Sexes. 11.30: Close.

2KY 1020kc. 294m.

Day Sessions as Friday, except:
12.0: Close. 1.0: Luncheon Session.
2.0: Manly by the Sea—Myra Dempsey. 2.30: The Passing Show.

6.0: Cosy Corner. 6.10: Music. 6.30: Dinner Entertainment. 6.37: Leading Orchestral Conductors. 6.45: Talk—J. S. Garden. 7.0: Rufe Naylor.

7.15: Views on the News. 7.25: Making Money on the Stock Exchange. 7.40: Music. 7.45: We Shall Have Music. 8.0: Uncle George and Bimbo Entertain. 8.15: Rhapsodising.

8.30: Say It With Music. 8.45: Music. 8.50: Musical Comedy. 9.0: Music. 9.15: Talk on the Garden—G. L. Gellatly.

9.30: Studio Feature. 10.0: Whose is the Voice Competition. 10.15: News Broadcast. 10.30: Happy Hour—Vernon Sellars and Brian Howard. 11.0: Your Favorite Artist. 12.0: Close.

2UW 1110kc. 270m.

Day Sessions as Friday, except:
8.30: Music. 10.0: Morning Tea. 10.10: Romantic Ballads. 10.50: Waves of Harmony. 12.30: Descriptions of Moonee Valley Races by Eric Welch. 1.30: Acceptances for Victoria Park Races. 4.40: Official Radio Prices.

6.0: Dinner Music. 6.15: Race Results and Reproductions. 6.25: Newsrec. 7.0: Music. 6.50: Gems of Melody. 6.55: Joe and Cynthia.

7.0: Dad and Dave. 7.20: Mrs. 'Arris and Mrs. Iggs. 7.30: How the Other

Half Lives. 7.40: Hot Shots. 7.45: Following Father's Footsteps. 8.0: John Halifax, Gentleman. 8.15: Under the Baton. 8.20: Dance Music.

8.30: Mittens. 8.45: Dance Programme. 10.0: Comedy Harmonists. 10.15: Orchestra Tipica Francisco Canaro. 10.30: American Dance Bands. 11.0: Music and Song.

12.0: Henry Gregory Entertains. 12.30: Keeping the Party Going. 1.0: Cheerio Calls. 1.30: News. 2.0: Hospital Nurses' Supper Session.

2CH 1190kc. 252m.

Day Sessions as Friday, except:—
8.0: Stars of Rhythm. 8.30: Under the Mistletoe. 10.15: Hints for the Home. 10.30: Morning Devotion—Rev. E. A. Davies (Presbyterian). 11.30: Wizards of the Wuriltzer. 12.30: Patricia at the Piano. 12.45: Songs of the Sea. 2.30: The House of Peter MacGregor. 2.45: Interlude. 2.50: Harmony and Health. 3.0: This'll Make you Smile. 4.0: "The Friendly Session." 4.15: Melody Milestones.

6.0: Songs by Famous Singers. 6.10: Chorus—Hi-Yo Silver. 6.10: The Lone Ranger. 6.30: From the Roxy Theatre, Parramatta—Knight Barnett at the Organ. 6.45: Dinner Music. 6.59: Weather Report.

7.0: Yes-What? 7.15: Harmony Hall. 7.30: Black Flame of the Amazon. 7.45: Musical Box. 7.55: Richard Tauber, Tenor: Impatience (Schubert).

8.0: Fred and Maggie Everybody. 8.15: Hollywood Dick. 8.30: We Shall Have Music. 8.45: Music Lovers' Programme. 9.0: Anton and Orchestra: A Ride To Dingley Dell; Noel; Christmas Melodies.

9.15: Is It the Singer—Or Is It the Song? 9.30: Special Christmas Programme. 9.45: Look Up and Laugh. 10.0: Rebroadcast from Geneva. 10.10: Soft Lights and Sweet Music. 10.50: Music. 11.0: Close.

2SM 1270kc. 236m.

Day Sessions as Friday, except:
7.0: G.P.O. Chimes. 7.15: Your Favorites and Mine. 1.15: Variety. 3.0: Betty Higgins' Radio Party. 4.25: Find the Place—Game. 4.30: Music.

6.0: Angelus. 6.1: Dinner Music. 6.40: Magic Island. 7.0: Veterinary Surgeon's Talk. 7.15: Cables. 7.22: Sporting Topics.

7.30: The Publicist—Australian Culture—Talk by Mr. P. R. Stephensen. 8.0: Music Moderne. 8.15: Paper Moon—Serial Drama. 8.30: The Grocer and Madame. 8.52: My Piano and Me—Fred Webber.

9.0: Rhythm Express, with Full Orchestra and Company Aboard, under Direction of John Dunne. 9.45: Hit Parade—Marie Ormston at Piano. 10.0: Ten O'Clock Tunes. 10.20: Cables. 10.25: When You Come to the End of the Day. 10.30: Close.

2CA 1050kc. 286m.

Day Sessions as Friday, except:
11.30: Music. 12.30: Milton and UHadulla Sessions. 1.30: Music.

6.0: Dinner Music. 6.25: What's on in Canberra? 7.0: Racing Review. 7.30: Melodies that Linger.

8.0: Light Vocal and Orchestral Concert with Paul Robeson, Boston Symphony Orchestra, Gladys Swarthout. 8.30: Rhythm Time. 9.15: Dream Melodies. 9.45: Strange As It Seems.

10.0: 2GB News Review. 10.30: Listen and Relax. 11.30: Calling South Australia. 12.30: Greeting Western Australia. 3.30: Hello, New Zealand. 5.0: Melody and Mirth.

2KA 780kc. 385m.

Day Sessions as Friday, except:
8.0: Farewelling Father's Footsteps. 9.45: Tailwaggers' Session. 10.45: The Homemaker. 11.0: Hospital Session. 11.15: Leafy Woods.

6.0: Children's Session. 6.30: News. 6.40: Dinner Music. 6.50: It's a Fact.

7.0: Dad and Dave. 7.15: World Orchestras.

7.30: How the Other Half Lives. 7.45: Dancing on the Continent. 8.0: Fred and Maggie Everybody. 8.15: Theatre Memories. 8.30: Vocal Recital—Bing Crosby. 8.45: Tuning in to New York.

9.0: Holiday Highlights. 9.30: Dance Music. 10.30: Music. 11.0: Close.

GARDENING

(Continued from Page 16)

You can choose from the following just the kinds needed for any particular position.

Cotoneasters of various kinds, which bear innumerable star-like white flowers, followed by orange, yellow or red berries, carried in profusion along gracefully curving branches. Cotoneasters never look so elegant as when seen against a light-colored wall.

The various *Crataegus* also lend their services to the purpose in view. They grow compact if cut back; but if allowed to take their own course, they make long, sweeping canes, with white flowers, followed by brightly hued berries. The evergreen varieties are best suited to wall furnishing.

For sheltered places, various ferns and small growing palms make a tracery of foliage and shadow against walls or foundations, in a most artistic manner. This is a good time to sow and plant the right flowering subjects to put up a bright display of color in the summer months which are now at hand.

Zinnias, one of the best heat-loving annuals, must not be overlooked by the beginner. Here is an opportunity for you to impress your friends with the manner in which you have come quickly to the forefront in gardening pursuits, because it's quite on the cards for your first bed of zinnias to produce blooms equal to the best obtained by your seasoned rivals. Not that zinnias can be expected to grow and flower at their best under unsuitable conditions, but because they often do best on new soil, or on soil that has had a long spell—and we can confidently expect that a person new to gardening is most likely to provide one or other of those conditions. So, to my new gardening friends, I confidently recommend zinnias, particularly the dahlia flowered varieties. There are now so many types that it is quite possible to have a whole garden of zinnias.

Make a background of dahlia flowered zinnias, a middle section of the Lilliput varieties, and a border of the lovely little dwarf and compact growing Haageana type. If you like pink and tango shades, you can get seedlings of them separately—or some of each color mixed. Oriole is the name of a specially fine orange and gold zinnia, and there is one named Deep Rose. Both bear extra large flowers profusely. The blooms are well formed and have lovely rich coloring.

Petunias cannot be left out of the picture. Grow them on fairly rich light soil that does not run together or dry with a hard crust after watering. Open it up with peatmoss or rotted manure, dug in previous to planting. Set separate colors where possible, making full use of such varieties as Rose of Heaven, which is a bright rose pink—an improvement on Rosy Morn, and Flaming Velvet, which is a glowing maroon shade. Combine pink and maroon in color schemes by planting the centre of the beds with Flaming Velvet petunias and edging up with the pink variety. For more advanced gardeners, nothing can out-do the frilled and ruffled petunia called Austral. Plant all petunias about nine inches or one foot apart, if setting out seedlings—seeds can also be sown now, with every prospect of success.

Then there is the gaily painted Phlox Drummond, which may be planted out about nine inches apart, on any decent garden soil, to form edgings to beds, or to make a blaze of color when massed in the foregrounds of large beds, or to occupy entirely small beds on lawns.

If you would like me to give you any help or advice, always remember that I take a special delight in helping anyone who is fond of Nature's gifts to us in the form of trees, shrubs and flowering plants, without which this old world of ours would be a very dreary place. If you drop a line to me e/o "Wireless Weekly," or to Station 2UW, I'll be only too happy to advise you on any problem your garden may be presenting to you.

Listen to S. H. Hunt from 2UW every Thursday at 11.0 a.m., and from 2SM every Saturday at 1.45 p.m.

TUESDAY DECEMBER 20

2FC AUSTRALIAN NATIONAL PROGRAMME

2CO, 2NR, 3AR, 3GI, 4RK, 4QR, 4QN, 5AN, 5CK, 6WA, 6WN, 7ZL, 7NT.

THE OPENING SESSION

Relayed to 2CO from 6.30 to 7.0.
Relayed to 3AR from 6.40 to 6.55, and 8.5 to 8.15.
Relayed to 7ZL from 6.40 to 6.55, and 8.5 to 8.15.
Relayed to 4QG from 6.45 to 6.55, and 8.5 to 8.15.
Relayed to 5AN from 8.5 to 8.15.
6.30: G.P.O. Chimes. Opening Musical Items.
6.32: Meteorological Information.
6.35: Mails and Shipping Information and Market Reports.
6.40: Brief Market Reports.
6.45: Cables (Copyright) from the Australian Associated Press. News Commentary.
6.55: News from the "Sydney Morning Herald."
7.0: The Daily Dozen.
7.10: Morning Music.
8.0: News from the "Sydney Morning Herald."
8.5: Cables (Copyright) from the Australian Associated Press. British Official Wireless News Service.
8.15: Morning Music.
8.20: Interlude.
8.30: The Hospital Half Hour.
9.0: Musical Interlude.
9.15: Racing Talk by MICK FERRY.
9.27: Interlude.

THE MORNING SESSION

9.30: The Morning Story, by SCRIBE.
9.50: Interlude.
9.55: Overseas and Sydney Wheat Quotations.
9.57: An Organ Interlude.
10.0: Morning Devotional Service. Conducted by REV. E. J. DAVIDSON.
10.15: Close.

THE MIDDAY SESSION

12.0: Observatory Time Signal. Musical Interlude.
12.30: Overseas and Sydney Wheat Quotations. Pig Sales and Special Produce Market Session, supplied by the State Marketing Bureau.
12.40: At Home and Abroad. A News Commentary by THE WATCHMAN.
12.55: A Glance at the Afternoon "Sun." Cables (Copyright) from the Australian Associated Press. Additional News from the British Official Wireless News Service.

1.5: Luncheon Music.

ORCHESTRE RAYMONDE—
Dancing Clock (Ewing)
Parade of the City Guards (Jessel)
EMMY BETTENDORF, Soprano—
Stephanie Gavotte (Czibulka)
Melody in F (Rubinstein-Lindstrom)
ORCHESTRA—
Manhattan Serenade (Alter)
Dance of the Merry Mascots (Ketilbey)
JAMES MELTON, Tenor—
Hills of Home (Cahoun-Fox)
Summer Night (Dubin-Warren)
ORCHESTRA—
Gowned in Vienna (arr. Walter)
1.35: Sydney Speaks.
1.45: Interlude.

THE AFTERNOON SESSION

2.0: Miniature Musicale.
THE LONDON PHILHARMONIC ORCHESTRA, conducted by SIR HAMILTON HARTY—
Corsair Overture (Berlioz)
GEORGES THILL, Tenor—
En Priere (Faure)
Noel (Faure)
JOSEPH SZIGETI, Violin—
Fountain of Arethusa (Szymanowski)
Flight of the Bumble Bee (Rimsky-Korsakoff)
Pastorale (Stravinsky)
THE HALLE ORCHESTRA, conducted by SIR HAMILTON HARTY—
Romeo and Juliet. Queen Mab Scherzo (Berlioz)
2.30: A Pianoforte Recital by EDWIN FISCHER, with the LONDON PHILHARMONIC ORCHESTRA—
Concerto in D Minor (Mozart)
Allegro.
Romänze.
Rondo—Allegro Assai.
3.0: Musicale (continued).
KIRSTEN FLAGSTAD, Soprano, with Orchestra—
Ah. Perdo. Ob. 65 (Beethoven)
JASCHA HEIPETZ, Violinist—
Minuetto (Bach)
The Little Windmill (Couperin)
Rondo in E Flat (Hummel)
THE LONDON PHILHARMONIC ORCHESTRA—
Dances Slaves et Tziganes (Dargomyzsky)
3.30: Opera House.

MARGARET BAUMER, Soprano, with Orchestra—
Don Giovanni—The Wretch Now Thou Knowest (Mozart)
Don Octavio. Help Me.
THE LONDON SYMPHONY ORCHESTRA, conducted by SIR HENRY J. WOOD—
Don Giovanni Overture (Mozart)
ALEXANDER KIPNIS, Baritone—
The Magic Flute—Within These Hallowed Dwellings (Mozart)
Il Seraglio—If a Sweetheart You Have Met With (Mozart)
MILIZA KORJUS, Soprano—
Il Seraglio—Thou Mays't Learn to Hate Me (Mozart)

4.0: NOELLE BRENNAN. Interviews a Tradesman.
4.15: Musicale.
YEHUDI MENUHIN, Violin, and HUBERT GIESEN, Piano—
Sonnata in D Major (Beethoven)
Allegro Con Brio.
Theme and Variations.
Rondo—Allegro.
FLORENCE AUSTRAL, Soprano—
Betrothal (Chopin)
Traum durch die Dämmerung (Strauss)
Cacille (Strauss)
THE B.B.C. SYMPHONY ORCHESTRA—
Imperial March (Elgar)
4.55: Stock Exchange, Third Call.
4.58: Musical Items.

THE EARLY EVENING SESSION

5.0: Musical Items.
5.20: PAT and the Tiny Tots.
5.30: Young People's Session. Serial—
Tom Cringle. By MUSETTE MOR-ELLE.
5.40: Musical Competition. Conducted by BRYSON.
5.50: Hans the Cobbler. Presented by TAL ORDELL and Company.
6.0: Musical Items.
6.40: Sporting Session—Results and Comments.
7.0: The Diggers' Session. Speakers' Night. Under the direction of E. V. TIMMS.
7.15: Interlude.
7.20: National News Bulletin.
7.25: News Commentary.
7.30: Local News.
7.35: Musical Interlude.
7.38: Features in To-night's Programme.
7.40: The News Behind the News. A News Commentary by THE WATCHMAN.
7.55: Musical Items.

THE EVENING SESSION

8.0: Gipsy Caravan—A Presentation of Gipsy Airs by THE TASMANIAN STUDIO ORCHESTRA, Conducted by CLIVE DOUGLAS.
Melodies (Hovrath)
A Phantasy (Phasey)
Czardas (Kotschka)
Impressions (Kotschka)
Festival (Ketilbey)
8.25: Interlude.
8.30: "Who Wrote the Plays of William Shakespeare?"—Talk by MR. F. H. LEGG.
8.45: From St. Peter's College Memorial Hall—CHRISTMAS CAROLS—
Let All the World in Every Corner Sing (Spruhan Kennedy)
Masters in This Hall
(Morris, arr. Gustav Holst)
The Birds (arr. Martin Shaw)
Lo! He Comes with Clouds Descending (Wesley Descant—Vaughan Williams)
A Cradle Song of the Blessed Virgin (Joseph Barnaby)
Child in the Manger (arr. David Evans)
Song of the Crib (arr. Vaughan Williams)
Puer Nobis (arr. Geoffrey Shaw)
When the Crimson Sun Had Set (French—arr. Spruhan Kennedy)
Legend of the Birds (Hilaire Belloc, (arr. Shruhan Kennedy)
Wachet Auf (Nicolaï, adapt. J. S. Bach)
Chanticleer (English—arr. Martin Shaw)
Sussex Carol

(English—arr. Vaughan Williams)
Merry Christmas (Martin Shaw)
God is Working His Purpose Out (Ainger, arr. Martin Shaw)
Adeste Fideles (Descant George Gardner)

10.0: A Programme by THE NOVEL-ETTES—
Punch and Judy Show (Baxter)
Stephanie Gavotte (Czibulka)
Lonesome Doll (Doutelje)
Neapolitan Love Song (Herbert)
Snowflakes (Charosin)
10.20: In England Now—A Recorded Feature, arranged by Bryan Carter.
11.20: Late News and Late Official Weather Forecast.
11.30: Close.

2BL N.S.W. NATIONAL PROGRAMME

2CR, 2NC

OPENING SESSION

10.0: G.P.O. Chimes. Morning Devotion—
Conducted by REV. E. J. DAVIDSON.
10.15: Musical Items.
11.0: Talk (to be arranged).
11.15: Musical Items.
11.30: Interlude.
BERKELEY MASON (Organist)—
Hymns Medley.
MALCOLM McEACHERN (Bass)—
Arm, Arm, ye Brave (Judas Maccabeus) (Handel)
CHURCH CHOIR—
Rock of Ages (Redhead)
LONDON SYMPHONY ORCHESTRA—
The Messiah—Overture (Handel)
11.45: Musical Interlude.

MIDDAY SESSION

12.0: Observatory Time Signal. Rainfall Registrations. Stock Exchange, First Call, and Metal Quotations.
12.8: Musical Interlude.
1.5: Metropolitan Weather Forecast. Ocean Forecast and Synopsis. Weather Note and Forecasts, including State, Sectional, and Air Route. Rainfall Registrations.
1.15: Afternoon News from "The Sun." Cables (Copyright) from the Australian Associated Press. What's On the Air This Afternoon? Note: During the afternoon, descriptions will be given of the Sheffield Shield Cricket at Melbourne and Adelaide.
1.25: THE NEW NOTE OCTET—Leader ALBERT FISCHER—
In the Shadows (Finck)
Moonlight Dance (Finck)
Yesterday (Kern)
At the Ladybirds' Ball (Ewing)
Serenata (Tosselli)
Remember (Irving Berlin)
Melody at Dusk (King)
Manhattan Moonlight (Alter)
Midnight in Mayfair (Chase)
1.55: Interlude.
2.0: Stock Exchange, Second Call.
2.5: Music of the Moment.
2.30: Musical Interlude.

RADIO MATINEE

3.0: A Programme by—
THE NATIONAL MILITARY BAND,
Conducted by STEPHEN YORKE
March—Imperial Britain (Chandler)
Suite de Ballet—My Lady Dragonfly (Finck)
Dance of the Silver Pool.
Golden Days.
The Love Spell.
The Last Dance of Summer.
From a Japanese Screen (Ketilbey)
Morceau Dramatique Bells (Howgill)
Selection—On the Avenue (Berlin)
3.30: COLUMBIA LIGHT OPERA COMPANY—
Comedy Land.
SIDNEY TORCH (Organist)—
I Want to be Snappy.
3.45: Talk (to be arranged).
4.0: Four O'Clock Melody with BARNABAS VON GECZY AND HIS ORCHESTRA.
4.15: TAL ORDELL Tells a Story.
4.35: Music, Mirth, and Melody.
5.10: Rambling in Rhythm—A Programme of New Release Recordings.
5.40: Programme Previews.

EARLY EVENING SESSION

6.0: Weather Information.
6.5: Dinner Music.
7.0: What's On the Air To-night?
7.2: Dinner Music.
7.30: The After Dinner Show—Half an

TUESDAY—continued

Hour of Humor and Harmony.
Introducing—
GRACIE FIELDS.
THE HILL BILLIES.
ELSIE & DORIS WATERS.
WILF CARTER.
THE ANDREWS SISTERS.
FRANK CRUMIT.

EVENING SESSION

- 8.0: Community Singing Concert—conducted by **BRYSON TAYLOR.** Assisting Artists—**THE VIRGINIAN HAMS** (Entertainers). **MARK SOLOMAN** (Banjo). **GEORGE BROWN** (Piano).
- 8.50: Late News, Weather Information, and Market Reports. Stock Exchange, Late Call.
- 9.10: Cafe Rendezvous—featuring **FRANCOIS STEMPINSKI** (Violinist). **WILLA HOKIN** (Soprano). **WILLIAM PERRYMAN** (Tenor) with **DESMOND TANNER** at the Electric Organ.
- 9.30: "The Aborigine as He is"—Talk by **MR. J. T. PATTEN**
- 9.45: **JIM DAVIDSON'S CROTCHETS AND QUAVERS** in Pianoflage.
- 10.0: Swing is Here—Arranged for Broadcasting by **ELLIS BLAIN.**
- 10.30: Close.

3AR STATE NATIONAL PROGRAMME

EARLY MORNING SESSION AS FRIDAY
Relayed to 3GI and 3WV
MORNING SESSION AS FRIDAY
Relayed to 2CO and 3GI
MIDDAY SESSION AS FRIDAY EXCEPT
Relayed to 2CO and 3GI
12.0: Music—Light and Bright.
1.25: New Note Octet.

AFTERNOON SESSION

Relayed to 2CO and 3GI
2.0: Stars of the Screen. 2.30: An Orchestral Concert with Peter Dawson and Chorus.
3.0: Famous Pianists. Wilhelm Backhaus—Moonlight Sonata. 3.15: Operatic Excerpts. 3.45: Religious Music.

THE CLASSIC HOUR

4.0: Irene Schavier (piano), and the London Symphony Orchestra conducted by Sir Henry J. Wood. Concerto Symphonique No. 4—Litoloff. Second Movement—Scherzo. Vera Schwarz soprano—Idoneo—Sanfte winde, folgt dem Feuren, Mozart. Gregor Platigorsky cello—Adagio et Rondo, Weber—Platigorsky. Largo et Vivo, Francaeur. Orchestre de la Societe des Concerts du Conservatoire. Conducted by Piero Coppola—Symphony No. 3 in E Flat, Op. 97, Schumann, Allegro, Scherzo—Allegretto, Moderato, Grave, Finale—Allegro. Alexander Kipnis, bass—Erinnerung, Op. 63, No. 2, Brahms, Die Mainacht, Op. 63, No. 2, Brahms. Eileen Joyce pianoforte—Spring Night, Schumann—Liszt, Little Piece No. 1, Schumann. Polka Caprice Op. 1, No. 3, Bergman, Celestial Song, Op. 2, No. 1, Bergman.

LATE AFTERNOON SESSION

Relayed to 2CO and 3GI
5.0: Music. 5.20: Elizabeth and the Timies. 5.30: Young People's Session. Tom Cringle. A Special Christmas Edition of The Children's Radio Newspaper. (2CO off to Local).

EVENING SESSION

6.0 (Relayed to 3GI): Early Stages in German. 6.15 (Relayed to 2CO and 3GI): School Life and School Sport. 6.30: Music. 6.40 (2CO off to 3LO): Sporting Session. 6.55: (Relayed to 2CO and 3GI): Rainfall, Weather, Country Districts. 7.0: Digger Doings. 7.15: Music. 7.30: News. 7.35 (2CO and 3WV) off to Local: Links with the Past. 7.38: Music. 7.40 (Relayed to 2CO and 3GI): The News Behind the News. 7.55: How it Began.

NIGHT SESSION

Relayed to 2CO and 3GI
8.0: Gipsy Caravan (See 2FC). 8.25: Interlude. 8.30: The Odd Words We Use. 8.45: From St. Peter's College Memorial Hall. Christmas Carols: Let All the World in Every Corner Sing (Spruhan Kennedy). Masters in this Hall (Morris, arr. Gustav Holst). The Birds (arr. Martin Shaw). Lo! He Comes with Clouds Descending (Wesley, descant—Vaughan Williams). A Cradle Song of the Blessed Virgin (Joseph Barnby). Child in the Manger (arr. David Evans). Song of the Crib (arr. Vaughan Williams). Puer Nobis (arr. Geoffrey Shaw). When the Crimson Sun Had Set (French arr. Spruhan Kennedy)

Legend of the Birds (Hilaire Belloc, arr. Spruhan Kennedy). Wachtel Auf (Nicholai adapt. J. S. Bach), Chanticleer (English arr. Martin Shaw). Sussex Carol (English arr. Vaughan Williams). Merry Christmas (Martin Shaw). God is Working His Purpose Out (Ainger arr. Martin Shaw). Adeste Fideles (Descant George Gardner).

10.0: A Programme by The Novelettes. Punch and Judy Show (Baxter). Stephanie Gavotte (Czibulka). Lonesome Doll (Doutelje). Neapolitan Love Song (Herbert). Snowflakes (Charosin). 10.20: In England Now. 11.20: News. 11.30: Close.

3LO VIC. NATIONAL PROGRAMME

3WV

Morning Session as Friday, except: Relayed to 3WV.
10.15: Pavillon Lescaut Orchestra—Pan and the Wood Goblins (Rothke). Clog Dance (Petras). 11.20: Overture. B.B.C. Symphony Orchestra, conducted by Sir Adrian Boult—Les Francs Juges (Berlioz).
Midday Session as Friday.
Relayed to 3WV.

AFTERNOON SESSION

Relayed to 3WV.
2.0: During the afternoon Progress Scores and Descriptions will be given of the Sheffield Shield Matches in Melbourne and Adelaide, interspersed with Music.

EVENING SESSION

6.5: Dinner Music. (Relayed to 2CO from 6.40 to 6.45 p.m.) (3WV off to 3AR at 7.20 p.m.)

NIGHT SESSION

Relayed to 3WV at 7.40 p.m.
7.30: The After-dinner Show. 8.0: Old Cronies. 8.30: Around the Mediterranean. 8.45: Interlude. 8.50: News. Weather, Shipping, Markets.

9.10: Recital by Etta Bernard, Contralto—O Wusst ich Doch den Weg (Brahms). Wiegenglied (Reger). Christmas Carol (Malcolm Davidson). The Holy Boy (John Ireland). A Slumber Song of the Madonna (Michael Head). Bless the Children (Edward Nichol). Little John Horner, with apologies to Handel (Michael Head). 9.30: Rhythm in Retrospect—Harry Bloom's Dance Orchestra. 10.0: A Christmas Preview. 10.30: Close. (3WV off to 3AR.)

4QG QLD NATIONAL PROGRAMME

4QN, 4RK

(Early Morning as Friday.)

MIDDAY SESSION

12.0: (Relayed to 4RK and 4QN). Show Tunes. 12.20: Countryman's Service Session. 12.30: Interlude. 12.40: At Home and Abroad. The Watchman. 1.15 (4RK and 4QN off to Local): Interlude. 1.0 (Relayed to 4RK and 4QN): Cable News. News. Weather. 1.5: (4RK and 4QN off to 4QR). Music. 1.25: The New Note Octet. (See 2BL). 1.55: Interlude.

AFTERNOON SESSION

2.0: Popular Hits of the Moment. 2.30: The Anti-Classics. 3.0: The Melody Omnibus. 3.55: News. 4.0: The Classic Hour. 5.0: Hits and Encores.

THE CHILDREN'S SESSION

5.20: Tiny Tots. 5.30: (Relayed to 4RK and 4QN). Tom Cringle. 5.40: (4RK and 4QN off to 4QR). Serial Story. 5.55: Interlude.

EARLY EVENING SESSION

6.0: Dinner Music. 7.0: Programme Announcements. 7.2: Music. 7.30: The After Dinner Show. 7.55: Interlude (r.).

NIGHT SESSION

8.0: (Relayed to 4RK and 4QN). Ballads of Goodwill, presented by Bessie Dougall (Mezzo-soprano), Hilda Woolmer (Piano), and Ian Martin of A.S. (Baritone). Here's to the Best of A.S. (Thayer). Piano—Dedication (Schumann—Liszt). Mezzo—Madonna and Child (Thiman). Three Mummies (Head). Baritone—What a Wonderful World It Would Be (Lohr). The Monkey's Carol (Stanford). Mezzo—Silent Night. Piano—Reve Anglique (Rubinstein). Baritone—The Laughing Cavalier (Sanderson). Mezzo—The Twelve Days of Christmas (arr. Austin). 8.35: Talk by Professor S. G. Lusby—Lighting. 8.50: News.

9.10: The A.B.C. (Brisbane) Concert Orchestra, conducted by W. Nelson Burton, Assisting Artist, Minna Metz (Soprano). In a popular programme, including Folk Songs and Yodelling Songs. Orchestra—London Suite (Coates). Soprano—Rosenstock. Holdo Blut (Traditional). Heidenroslein (Traditional). Kommst ein Vogel (Traditional). Orchestra—A Voyage to Lilliput (Engelmann). Soprano—Du Du liegst mir im Herzen (Traditional). Cuckoo (Metz). Orchestra—Merrie England—Selection (German). 10.0: (4RK and 4QN off to 4QR). Thoughts at Nightfall. 10.30: Close.

4RK QLD. NATIONAL PROGRAMME

4QN

6.30: From 4QG. 8.15: Close. 10.0: From 4QR. 12.0: From 4QG. 12.55: Local News. 1.0: From 4QG. 1.5: From 4QR. 5.30: From 4QG. 5.40: From 4QR. 6.15: Local News. 6.30: From 4QR. 8.0: From 4QG. 10.0: From 4QR. 11.30: Close.

4QR QLD. NATIONAL PROGRAMME

MORNING AND MIDDAY SESSION

10.0: (Relayed to 4RK and 4QN). Service, by the Rev. S. M. Potter. 10.15: Out of the Groove. 10.30: Racing Notes. 10.45: Women's Hour. 11.0: The Weekly Chatter. 11.5: Music. 11.15: The London Letter. 11.30: Words and Music. 12.0: (4RK and 4QN off to 4QG). Midday Melodies. 1.5: (Relayed to 4RK and 4QN). Sheffield Shield Cricket—Queensland v. Victoria. 1.20: Interlude. 1.30: Radio Rhythm.

AFTERNOON SESSION

2.0: Speaking Personally. 2.30: Classical Half-hour. 3.0: The Musicale. 3.35: Sheffield Shield Cricket. 4.5: Light and Shade. 4.30: Rendezvous with Rhythm. 5.0: Sheffield Shield Cricket. 5.30: (4RK and 4QN off to 4QG). 5.40: (Relayed to 4RK and 4QN).

EARLY EVENING SESSION

6.5: Music. 6.15: (4RK and 4QN off to local). A Song at Tea-time. 6.30: (Relayed to 4RK and 4QN). 6.40: Sporting Session. 6.45: Sheffield Shield Cricket Resume. 6.55: Racing Anticipations. 7.0: Digger Doings. 7.15: Interlude. 7.20: News. 7.30: News. 7.35: Weather. 7.40: The News Behind the News. 7.55: Programme Announcements.

NIGHT SESSION

8.0: (4RK and 4QN off to 4QG). Gipsy Caravan. (See 2FC). 8.25: Interlude. 8.30: Topical Talk. 8.45: Carols from St. Peter's School. (See 2FC). 10.0: (Relayed to 4RK and 4QN). Light Ensemble. 10.20: Music. 11.20: Weather, News. 11.30: Close.

5CL S.A. NATIONAL PROGRAMME

Morning and Midday Session as Friday except—9.45: Grand Symphony Orchestra. Keith Faulkner, Baritone. Alfredo Campoli, Violinist. 10.30: Service. Preacher: Lt.-Col. F. W. Ede for Salvation Army. 11.30: Dance Tunes—Old and New.

Afternoon Session as Friday. Early Evening Session as Friday, except—7.20: R.S. and S.I.L.A. Talk.

EVENING SESSION

7.30: The After Dinner Show. 8.0: The Pickwick Club. Adapted for radio from The Posthumous Papers of the Pickwick Club, by Charles Dickens. Adaptation by Montagu Norman. Production: Paul O'Loughlin. 9.0: Neaman. Part 1. By Miss E. M. Dawe. 9.20: Christmas Mosaic. Adelaide Prepared for Yuletide. Obscure places in Adelaide brought to light for Christmas. 10.0: News, Weather, Sport. 10.10: Dance Music. 10.30: Close.

RADIO HISTORY

FRANK TURGE HARTY believes that he made radio history last Saturday night, when, in his Cupid's Conquests session over 2GB, he proposed the toast of the bride and bridegroom at a wedding reception at Bexley, with Jack Lumsdaine as toastmaster calling on the guests to honor the toast.

The proposing of the toast was made at the request of Mr. and Mrs. Ronald Pogson, of Bexley, who had been married only a couple of hours previously. Mrs. Pogson was then Miss Marion Aggs, of Bexley. Mr. Harty believes that it was the first time in Australia that a wedding reception toast had been proposed over the air.

Cupid's Conquests is the title of the session in which Harty and Lumsdaine announce over the air the engagements of the week, and at more than one party on Saturday night—arranged specially for the occasion—the announcement came as a complete surprise.

TUESDAY—continued

2GB 870kc. 345m.

Day Sessions as Friday, except:
9.0: Ballet Suites. 9.30: The Prince of Story-tellers. 9.45: Music. 10.0: Medical Talk.
2.0: Radio Sain Specialist's Talk. 3.30: Talk. 4.0: Feature Session. Serial. June Marsden—Astrology. 4.50: Jingle Bells.
6.0: Radio Newspaper. 6.15: The Band Waggon. 6.30: Dinner Music. 6.45: Rhythm and Romance.

7.0: Music. 7.15: Music. 7.30: Lady Courageous. 7.45: Music. 7.50: Under the Baton. 7.55: Music.

8.0: The Radio Rascal. 8.15: Frank and Archie. 8.30: Houses in Our Street. 8.45: Sacrifice. 9.0: Footlight Echoes.

9.15: Boston Promenade Orchestra—Thunder and Lightning—Polka (Strauss). John McCormack, Tenor—My Moonlight Madonna (Fibrich, arr. Scotti). Grand Symphony Orchestra—Champagne Gallop (Lumbye). Carson Robison and his Pioneers—Carson Robison Selection, No. 2, Part 1 (Arr. Robison). 9.30: Spelling Jackpots. 9.50: Music.

10.0: 2GB News Review. 10.15: Symphony Orchestra, conducted by Walter Goehr—Nights at the Ballet, No. 3, Part 1. Heddie Nash, Tenor—Frederica—Wayside Rose (Pepper-Lehar). Paul Whitman and his Concert Orchestra—When Day is Done (De Sylva-Katscher). 10.30: New Records. 11.0: Music. 11.26: Good-night Song. 11.30: Close.

2UE 950kc. 316m.

Day Sessions as Friday, except—
8.0: The Alarm Clock, with Gordon McKillop. 11.0: Housecraft. 1.5: Dairying. 1.15: Provincial Racing Service. 1.35: Harold Park Dog Draw. 1.45: Music. 2.30: Variety Hour. 3.0: Dapto Dog Draw. 3.5: Variety. 4.0: Theatre Memories. 4.30: Brass Bands and Comedy.

6.0: Bobby Filbert Starts Work. 6.20: Racing Commentator. 6.30: Dinner Music. 6.45: Porky and the Pennies. 6.55: Popular Conductors.

7.0: Music. 7.15: New Releases. 7.45: Music. 8.22: Musical Bouquet.

8.30: Melody Parade, broadcast from the Trocadero, with Frank Coughlan's Orchestra and Assisting Artists. Note: During Evening Gosford Greyhound Results. 9.30: Music. 9.45: Canon Hammond and His Radio Latch Key. 10.0: News. 10.5: Dance Music. 10.15: Music. 10.30: Yours and Mine—suggested Programme. 11.30: Close.

2KY 1020kc. 294m.

11.0: Dr. Lloyd Ross—Talk.
2.0: Manly by the Sea—Myra Dempsey. 2.30: The Passing Show. 3.30: Whose is the Voice Competition? 4.0: The Question Box.

6.0: Cosy Corner. 6.10: Music. 6.30: Dinner Entertainment. 6.37: Leading Orchestral Conductors. 6.45: Hands Off China—Mr. T. Wright. 6.55: Radio-Syncrasies—Capt. Bairnsfather. 7.0: Rufe Naylor.

7.15: Views on the News. 7.30: Music. 7.50: Sporting Weekly—Ken Howard.

8.0: Uncle George and Bimbo. 8.15: Golden Voices of the Stars. 8.30: Music. 8.45: Spotlight on Industry. 8.55: New Recordings. 9.0: Music. 9.10: Radio Play with 2KY Players. Labor Marches On. 9.30: George Francis. 9.45: 2KY Tourist Session—Eric Walker. 10.15: Happy Hour. Vernon Sellars and Brian Howard. 11.0: Your Favorite Artist. 11.15: Variety Music. 12.0: Close.

2UW 1110kc. 270m.

Day Sessions as Friday, except:
9.20: Track Gallops. 9.50: Health and Beauty. 10.0: Melody Girl. 10.20: Melody Time. 10.25: Know Your Stars. 10.45: Music. 11.0: Personalities in the News. 11.15: Music. Mirth and Melody. 11.30: Dream Wanderer. 11.45: Music.

1.0: Talkie Rhythm. 2.0: The 2UW Matinee.

2.30: The Show Parade. 2.35: The 2.35 Special. 3.15: Shadow Show. 3.30: Little Home Theatre. 3.45: The Blue Jay. 4.0: Puzzeanna. 4.15: Barbara Mayne. 4.30: Don't Let This Happen to You. 4.45: Romantic Cycle. 5.30: West of Sydney.

6.15: Victoria Park Form and Selection. 6.25: Good Health Club. 6.40: Under the Baton. 6.50: Gems of Melody. 6.55: Joe and Cynthia.

7.0: Dad and Dave. 7.15: Feature. 7.20: Mrs. Arris and Mrs. Iggs. 7.30: How the Other Half Lives. 7.40: Latest Hot Shots. 7.45: Following Father's Footsteps. 8.0: John Halifax, Gentleman. 8.45: Music. 9.0: Secret Diary. 9.15: Highlights on Parade.

9.30: New Releases. 10.0: Radio Rhythm. 10.30: Cavaliers of Song. 11.0: The Party Spirit.

12.0: Henry Gregory Entertains. 12.30: Keeping the Party Going. 1.0: Cheerio Calls. 1.30: News. 2.0: Hospital Nurses' Supper Session.

2CH 1190kc. 252m.

Day Sessions as Friday, except—
8.0: Stars of Rhythm. 8.30: Under the Mistletoe. 10.30: Morning Devotion—Rev. J. Wilson (Baptist). 11.0: Your Cavalier. 11.30: Wizards of the Wurlitzer. 12.0: A Travel Talk. 1.30: The House of Peter MacGregor. 2.45: Hair Hints. 3.0: This'll Make You Smile. 3.15: Hints for the Home. 3.25: Interlude. 3.50: Lurline Fleming.

6.0: Songs by Famous Singers. 6.10: Chorus—Hi-Yo Silver. 6.15: The Lone Ranger. 6.30: From the Savoy Theatre, Hurstville—Paul Cullen at the Organ. 6.45: Dinner Music. 6.59: Weather Report.

7.0: Yes-What? 7.15: Aristocracy of Rhythm. 7.30: Black Flame of the Amazon. 7.45: Let's Waltz Together.

8.0: Fred and Maggie Everybody. 8.15: Tops in Pops. 8.30: Howie Wing—Saga of Aviation. 8.45: A Programme by Paul Robeson and Coleridge Taylor. 9.0: Personality Promenade. 9.15: Bringing Up Sally.

9.30: The Music of Landon Ronald: A Southern Love Song; Down in the Forest; O Lovely Night. 9.45: Hawaiian Holiday—Dancing Under the Stars; I Hum a Waltz; Hawaiian Paradise; Ebb Tide. 10.0: Eric Pearce presents Please Yourself Session. 10.30: Soft Lights and Sweet Music. 10.50: Music. 11.0: Close.

2SM 1270kc. 236m.

Day Sessions as Friday, except:
7.30: Novelty Pianist. 7.35: Listeners' Choice. 8.0: Music. 8.15: Novelty Pianist. 8.20: Community Singing. 2.0: Radio Matinee. 2.30: Song of Hollywood. 4.25: Find the Place—Game. 4.45: Top Notch Tunes—Piano.

6.0: Angelus. 6.1: Dinner Music. 6.40: Magic Island. 7.0: Dinner Dance. 7.15: Cables. 7.20: Music.

7.30: One Man's Family—Book 16, Chapter 12: Christmas Eve at the Barbours. Produced by John Dunne. 8.0: Town Hall To-night. 8.15: Paper Moon—Serial Drama. 8.30: The Grocer and Madame. 9.0: Light and Shade. 9.15: Moods in Three-Four Time.

9.30: Symphony of the Stars. 9.45: Fiddle and I. 10.0: Ten O'Clock Tunes. 10.20: Cables. 10.25: When You Come to the End of the Day. 10.30: Close.

2CA 1050kc. 286m.

Day Sessions as Friday, except:
8.0: Adamnaby Session. 11.30: Music. 11.35: The Hollywood Tatler. 11.40: Music. 12.0: Narooma Session. 12.30: Hospital Session. 1.15: Music. 2.0: Songs of Yesterday. 3.45: Leaves from the Other Woman's Diary.

6.0: Dinner Music. 6.25: What's on in Canberra? 6.30: Sporting Commentator. 7.0: Mittens. 7.30: Fred and Maggie Everybody. 7.45: How the Other Half Lives.

8.0: Music. 8.15: Novelty Pianist. 8.20: Community Singing. 2.0: Radio Matinee. 2.30: Song of Hollywood. 4.25: Find the Place—Game. 4.45: Top Notch Tunes—Piano.

6.0: Angelus. 6.1: Dinner Music. 6.40: Magic Island. 7.0: Dinner Dance. 7.15: Cables. 7.20: Music.

7.30: One Man's Family—Book 16, Chapter 12: Christmas Eve at the Barbours. Produced by John Dunne. 8.0: Town Hall To-night. 8.15: Paper Moon—Serial Drama. 8.30: The Grocer and Madame. 9.0: Light and Shade. 9.15: Moods in Three-Four Time.

9.30: Symphony of the Stars. 9.45: Fiddle and I. 10.0: Ten O'Clock Tunes. 10.20: Cables. 10.25: When You Come to the End of the Day. 10.30: Close.

2CA 1050kc. 286m.

Day Sessions as Friday, except:
8.0: Adamnaby Session. 11.30: Music. 11.35: The Hollywood Tatler. 11.40: Music. 12.0: Narooma Session. 12.30: Hospital Session. 1.15: Music. 2.0: Songs of Yesterday. 3.45: Leaves from the Other Woman's Diary.

6.0: Dinner Music. 6.25: What's on in Canberra? 6.30: Sporting Commentator. 7.0: Mittens. 7.30: Fred and Maggie Everybody. 7.45: How the Other Half Lives.

8.0: Music. 8.15: Novelty Pianist. 8.20: Community Singing. 2.0: Radio Matinee. 2.30: Song of Hollywood. 4.25: Find the Place—Game. 4.45: Top Notch Tunes—Piano.

6.0: Angelus. 6.1: Dinner Music. 6.40: Magic Island. 7.0: Dinner Dance. 7.15: Cables. 7.20: Music.

7.30: One Man's Family—Book 16, Chapter 12: Christmas Eve at the Barbours. Produced by John Dunne. 8.0: Town Hall To-night. 8.15: Paper Moon—Serial Drama. 8.30: The Grocer and Madame. 9.0: Light and Shade. 9.15: Moods in Three-Four Time.

9.30: Symphony of the Stars. 9.45: Fiddle and I. 10.0: Ten O'Clock Tunes. 10.20: Cables. 10.25: When You Come to the End of the Day. 10.30: Close.

8.15: Musical Comedy. 8.30: Aviation Session—The World on Wings. 8.45: Ed Fulton at the Piano. 9.0: Swing Time. 9.15: Dream Melodies. 9.30: Chandu the Magician.

10.0: 2GB News Review. 10.30: Listen and Relax. 11.30: Calling South Australia. 12.30: Greeting Western Australia. 3.30: Hello, New Zealand. 5.0: Melody and Mirth.

2KA 780kc. 385m.

Day Sessions as Friday, except—
8.0: The Bunk House. 9.45: Music. 10.15: The Seasons. 10.45: The Homemaker. 11.0: Destiny of the British Empire. 11.30: Music.

6.0: Children's Session. 6.30: News. 7.0: Dad and Dave. 7.15: World Orchestras. 7.30: How the Other Half Lives.

7.45: New Releases. 8.0: Fred and Maggie Everybody. 8.30: Music. 8.45: The Consulting Room. 9.0: Holiday Highlights. 9.30: Dance Music. 10.30: Music. 11.0: Close.

8.0: Fred and Maggie Everybody. 8.30: Music. 8.45: The Consulting Room. 9.0: Holiday Highlights. 9.30: Dance Music. 10.30: Music. 11.0: Close.

7.45: New Releases. 8.0: Fred and Maggie Everybody. 8.30: Music. 8.45: The Consulting Room. 9.0: Holiday Highlights. 9.30: Dance Music. 10.30: Music. 11.0: Close.

Aunty Tanya's Mail Bag

(Continued from Page 10)

Dorothy Tuckfield (Kingsford).—Thank you for your entry, Dorothy. What do you think of the results?

Beryl Treasure (Cowra).—Nice work, Beryl. Write again soon.

Georgina McCawley (Uranquinty).—Welcome to the Corner, Georgina. Write me a longer letter, and send a snapshot of yourself.

Joyce McMillan (Tuncurry).—You'll soon be breaking up for the Christmas holidays, won't you? Then you can send me a longer letter.

Fred Cole (Tooraweenah).—What a lucky boy you are to have a pony! If I ever come to Tooraweenah, may I have a ride on it?

Patricia Carse (Upper McDonald).—Welcome to the Corner, Patricia. You did get a lot of words, didn't you?

A Merry Christmas and a Happy New Year to all Aunty Tanya's nephews and nieces, and their mummies and daddies and brothers and sisters.

Gloria Ringland (Strathfield).—Thank you for your kind wishes, Gloria. I passed them on. I'm glad you like the serial.

Frank Monaghan (Gulldford).—Thank you, Frank. Write a longer letter and send me a snapshot if you have one.

Betty Phillips (Alexandria).—I'd love to have you as a member of the Corner, Betty. But you didn't say how old you were. Write and tell me, won't you?

Marjorie Deves—Welcome to the Corner, Marjorie. I'm pleased to have you as a new member.

Stephanie Whetham—I'm glad you decided to join the Corner, Stephanie. Thanks for the snapshot.

Jessie Criss (Doll's Point).—How nicely you write, Jess. Send me a picture of yourself if you can.

Audrey Comben (Bermagui).—I'm glad you like the Corner, and I have lots of nephews and nieces. Don't forget the next letter you promised me, and try again for the next competition.

Norma Newton (Bangalow).—I'd love to have you as a member, Nora. I'm sorry I haven't a pen-friends' section. Don't forget the snapshot you promised me.

Margaret Merry (Ashford).—It's quite a long time since last I heard from you. Send me

(Continued on Page 55.)

Wireless Weekly, December 16, 1938

WEDNESDAY DECEMBER 21

2FC AUSTRALIAN NATIONAL PROGRAMME

2CO, 2NR, 3AR, 3GI, 4RK, 4QR, 4QN, 5AN, 5CK, 6WA, 6WN, 7ZL, 7NT.

THE OPENING SESSION

- 6.30: G.P.O. Chimes. Opening Musical Item.
- 6.32: Meteorological Information.
- 6.35: Mails and Shipping Information and Market Reports.
- 6.40: Brief Market Reports.
- 6.45: Cables (Copyright) from the Australian Associated Press. News Commentary.
- 6.55: News from "The Sydney Morning Herald."
- 7.0: The Daily Dozen.
- 7.10: Morning Music.
- 8.0: News from "The Sydney Morning Herald."
- 8.5: Cables (Copyright) from the Australian Associated Press. British Official Wireless News Service.
- 8.15: Interlude.
- 8.20: Musical Items.
- 8.30: The Hospital Half Hour.
- 9.0: Musical Items.
- 9.15: Racing Talk by MICK FERRY.

THE MORNING SESSION

- 9.27: Interlude.
- 9.30: The Morning Story.
- 9.30: Interlude.
- 9.35: Overseas and Sydney Wheat Quotations.
- 9.57: An Organ Interlude.
- 10.0: Morning Devotional Service — Conducted by PASTOR W. J. CROSSMAN.
- 10.15: Close.

THE MIDDAY SESSION

- 12.0: Observatory Time Signal. Musical Items.
- 12.20: Overseas and Sydney Wheat Quotations. Special Produce Market Session, supplied by the State Marketing Bureau.
- 12.40: At Home and Abroad—A News Commentary by THE WATCHMAN.
- 12.55: A Glance at the Afternoon "Sun." Cables (Copyright) from the Australian Associated Press. Additional News from the British Official Wireless News Service.
- 1.5: Interlude.
- 1.15: Recital by DESMOND TANNER at the Electric Organ.
- 1.30: Interlude.
- 1.35: Sydney Speaks.
- 1.45: Interlude.

THE AFTERNOON SESSION

- 2.0: Musicale—THE VIENNA PHILHARMONIC ORCHESTRA—Morning, Noon, and Night in Vienna (Suppe) LIGHT OPERA COMPANY—Neapolitan Nights. JEAN AND PIERRE GENNIN (Flute)—Valse des Mascottes (Gennin) Pizzicato Pierrette (Gennin) THE VIENNA PHILHARMONIC ORCHESTRA—Vienna Maidens (Ziehrer) Music of the Spheres (Strauss)
- 2.30: A Pianoforte Recital by IGNACE JAN PADEREWSKI—Sonata in C Sharp Minor (The Moonlight) (Beethoven) Adagio Sostenuto. Allegretto and Trio. Presto Agitato. Mazurka in C Sharp Minor, Op. 63, No. 3 (Chopin) Nocturne in E Flat Major (Chopin) Minuet in G Major, Op. 14, No. 1 (Paderewski)
- 3.0: THE BERLIN STATE OPERA HOUSE ORCHESTRA—Tannhauser Overture (Wagner) LAWRENCE TIBBETT (Baritone)—Thy Beaming Eyes (McDowell) To the Forest (Tschakowsky) O That We Two Were Maying (Nevin) BRONISLAW HUBERMAN (Violin)—Waltz in C Sharp Minor (Chopin) Waltz in A Major (Brahms)
- 3.30: Opera House. BEATE MALKIN and TINO PATTIERA with THE BERLIN STATE OPERA HOUSE ORCHESTRA and CHORUS — Conducted by DR. WEISSMANN—Excerpts from Il Trovatore (Verdi)
- 4.0: Chat over the Teacups.
- 4.15: Musicale. REGENT CLASSIC ORCHESTRA—Schubert Fantasia (arr. Foulds) JOSEPH SCHMIDT (Tenor)—Tarentella Sincera (de Crecenzo) Vogu Vogu (Labriola) YELLI D'ARANYT (Violinist)—Hungarian Dance No. 8 (Brahms) Poeme Hongroise (Hubay) Passepied (Delibes) MARIA HESTER (Soprano), H. E. GROH

- (Tenor) and MAX SCHIPPER (Tenor) with CHORUS—Vienna Blood Selection (Strauss) SIR DAN GODFREY and SYMPHONY ORCHESTRA—Kaiser March (Wagner)
- 4.55: Stock Exchange, Third Call.
- 4.58: Musical Interlude.

EARLY EVENING SESSION

- 5.0: Programme by HARRY BLOOM'S DANCE BAND.
- 5.20 Session for Girls—Conducted by PAT AND VICKY.
- 5.30: Young People's Session — Serial—Tom Cringle, by MUSETTE MORELLE.
- 5.40: GREG and His Music.
- 5.48: Balok, the Elephant Boy.
- 6.0: Talks for all Young People Session —Conducted by E. C. H. (BULLY) TAYLOR.
- 6.15: Vocational Guidance Officer.
- 6.25: Interlude.
- 6.40: Sporting Session—Results and Comments.
- 7.0: The Diggers' Session — Presenting THE THREE DIGGERS. Serial by E. V. TIMMS. Production—CHARLES WHEELER.
- 7.15: Interlude.
- 7.20: National News Bulletin.
- 7.25: News Commentary.
- 7.30: Local News.
- 7.35: Musical Interlude.
- 7.40: National Talk—Penal Stations of Old Van Diemen's Land (Series)—Port Arthur—MR. W. H. HUDSPETH.
- 7.55: Interlude.

THE EVENING SESSION

- 8.0: As You Like It — Presented by THE A.B.C. LIGHT OPERA COMPANY.
- 8.40: Emma and Erbert.
- 8.50: A Recorded Interlude by — HERBERT DAWSON at the Grand Organ—Evensong (Easthope Martin) Idylle (Elgar) Prayer and Cradle Song (Gullmant)
- 9.0: BETHLEHEM—A Nativity Play—by LAURENCE HOUSMAN. With Music by JOSEPH MOORAT. Ye Gentiles that come here to watch our play. Put, we beseech you, thought of us away! No standing here have we; in heart we kneel, With, at our hearts, this prayer — that ye may feel How in love's hands time is a little thing! And so shall love to-night your senses bring Back to the hills of Bethlehem, the fold Where Shepherds watched their sheep, where angels told Of peace, goodwill to men, in Christ new-born. The Characters are: CHORUS. THE SHEPHERDS. GABRIEL. THE THREE KINGS. JOSEPH. MARY, with the A.B.C. (MELBOURNE) CONCERT ORCHESTRA, under the direction of JOSEPH POST. Production: FRANK D. CLEWLOW.
- 10.15: A Sonata Recital by TOSSY SPIVAKOVSKY (Violin) and JASCHA SPIVAKOVSKY (Piano) — Sonata for Violin and Piano (Ernest Bloch) Agitato. Molto Quieto. Moderato. (First performance in Australasia.)
- 10.45: Interlude.

- 10.50: Topical Interlude—Presented by HARRY BLOOM'S TANGO BAND, Compered by JIM BRADLEY.
- 11.20: Late News from "The Sun" and Late Official Weather Forecast.
- 11.30: Close.

2BL N.S.W. NATIONAL PROGRAMME

2CR, 2NC

OPENING SESSION

- 10.0: G.P.O. Chimes. Morning Devotion, conducted by MR. W. J. CROFFMAN.
- 10.15: Music.
- 11.15: Music.
- 11.30: Interlude—SHEFFIELD CHOIR, with ORCHESTRA and ORGAN—Jerusalem (Blake-Parry) LOTTE LEHMANN, Soprano—Coms, Holy Ghost, Our Hearts Inspire (Choral) ST. GEORGE'S CHAPEL CHOIR, WINDSOR—Elijah—For He Shall Give His Angels (Mendelssohn) MARCEL DUPRE, Organist—Prelude in G Major (Bach)
- 11.45: Musical Interlude.

MIDDAY SESSION

- 12.0: Observatory Time Signal. Rainfall Registrations. Stock Exchange, First Call, and Metal Quotations.
- 12.8: Musical Interlude.
- 1.5: Metropolitan Weather Forecast. Ocean Forecast and Synopsis. Weather Note and Forecasts, including State, Sectional, and Air Route. Rainfall Registrations.
- 1.15: Afternoon News from "The Sun." Cables (Copyright) from the Australian Associated Press. What's on the Air this Afternoon?
- 1.27: Interlude.
- 2.0: Stock Exchange, Second Call.
- 2.5: Music of the Moment.
- 2.30: Musical Interlude.

RADIO MATINEE

- 3.0: Musical Mosaic.
- 3.30: Laughter Interlude.
- 3.45: Three Hits.
- 3.55: GRACIE FIELDS, Vocal.
- 4.0: Four O'Clock Melody with EDITH LORAND AND HER ORCHESTRA.
- 4.15: JOSEPH SCHMIDT, Tenor.
- 4.25: RAIE DA COSTA, Pianist.
- 4.35: From IRVING BERLIN.
- 4.50: GRACE MOORE Sings.
- 5.0: DEBROY SOMERS AND HIS BAND, and JACK BUCHANAN, Vocal.
- 5.20: THE ANDREWS SISTERS.
- 5.30: BOURNEMOUTH ORCHESTRA.
- 5.40: Programme Previews.

EARLY EVENING SESSION

- 6.0: Weather Information.
- 6.5: Dinner Music.
- 7.0: What's on the Air To-night?
- 7.2: Dinner Music.
- 7.30: THE AFTER DINNER SHOW—Half an Hour of Humor and Harmony, introducing—HARRY ROY, BILLY COSTELLO, BING CROSBY, TEX MORTON, AL BOLLINGTON, JERRY MOORE.

EVENING SESSION

- 8.0: Symphonic Hour, presented by THE STUDIO SYMPHONY ORCHESTRA, conducted by WILLIAM CADE. Overture to a Midsummer Night's Dream (Mendelssohn) Symphony No. 4 in A (Italian) (Mendelssohn) Pagoda of Jade Suite (Albert Arlen) Overture—Ruy Blas (Mendelssohn)
- 8.50: Late News, Weather Information, and Market Reports, Stock Exchange, Late Call.
- 9.10: PHYLLIS HOPE ROBERTSON (Personality Vocalist).
- 9.20: News from Europe—A Weekly Letter from W. McMAHON BALK.
- 9.30: SCRAPBOOK FOR 1900—B.B.C. Recording, presented by LESLIE BAILY AND CHARLES BREWER.
- 10.30: Close.

WEDNESDAY—continued

3AR STATE NATIONAL PROGRAMME

EARLY MORNING SESSION AS FRIDAY
Relayed to 3GI and 3WVMORNING SESSION AS FRIDAY
Relayed to 2CO and 3GIMIDDAY SESSION AS FRIDAY EXCEPT
Relayed to 2CO, 3GI

1.15: Desmond Tanner at Organ.

AFTERNOON SESSION

Relayed to 2CO and 3GI

2.0: Continental Cabaret. 2.30: Song Successes of the Past 2.45: Ballet Memories. 3.0: Music from Germany. 3.30: Popular Composers. Amy Woodforde-Finden. 3.45: Religious Music.

THE CLASSIC HOUR

4.0: Philharmonic Symphony Orchestra of New York Conducted by Arturo Toscanini: L'Apprenti Sorcier. Dukas. Anatole Kitain. Piano-forte—Mazurka in E Minor, Scriabine. Flight of the Bumble Bee. Rimsky-Korsakov. arr. Strimer. Elegie. Rachmaninoff, Op. 3. Stremer. Flonzaley Quartet. Quartet in D Flat Major, Op. 15. Dohnanyi. Andante-Allegro. Presto Acciaccato. Molto Adagio. Elizabeth Reithberg, soprano, Beniamino Gigli, tenor, Ezio Pinza, bass—I Lombardi—Qual Volutta Trascorrere, Verdi. Attila—Te Sol Quest Anima, Verdi. Leopold Stokowski and the Philadelphia Orchestra. Tannhauser—Prelude to Act 3, Wagner.

LATE AFTERNOON SESSION

Relayed to 2CO and 3GI

1.0: Harry Bloom's Dance Band. 5.15: A Pantomime—Cinderella, with Harry Bloom's Band and Wireless Chorus. Conducted by Elford Mack. 6.0 (2CO off to Local).

EVENING SESSION

6.0: Young People on the Air. 6.15 (Relayed to 2CO and 3GI): Music. 6.40 (2CO off to 3LO): Sporting Session. 8.55: Relayed to 2CO and 3GI: Rainfall, Weather. 7.0: Digger Doings. 7.15: Music. 7.20 (Relayed 2CO, 3GI, 3WV): News. 7.30: News. 7.35 (2CO off to Local—3WV off to 3LO): Links with the Past. 7.38: Music. 7.40 (Relayed to 2CO and 3GI): Penal Stations of Old Van Diemen's Land. 7.55: How it Began.

NIGHT SESSION

Relayed to 2CO and 3GI

8.0: As You Like It, Presented by the A.B.C. Light Opera Company. 8.40: Emma and Erbert. 8.50: A Recorded Interlude (See 2FC). 9.0: Bethlehem a Nativity play (See 2FC). 10.15: A Sonata Recital by Tossy Spivakovsky, violin, and Jascha Spivakovsky, piano (See 2FC). (Relayed to 2CO, 3GI and 3WV at 10.30 p.m.). 10.45: Interlude. 10.50: Tropical Interlude. 11.20: News. 11.30: Close.

3LO VIC. NATIONAL PROGRAMME

3WV

Morning Session as Friday, except:

(Relayed to 3WV)

10.15: New Light Symphony Orchestra—Cavalleria Rusticana—Intermezzo (Mascagni), Tales of Hoffman—Barcarolle (Offenbach), 11.20: Prague Orchestra, conducted by J. Chavat—Libiss Overture (Smetana).

MIDDAY SESSION

(Relayed to 3WV)

12.0: Luncheon Music. (3WV off to 3AR from 12.20 to 12.25.) 1.0: Music.

AFTERNOON SESSION

(Relayed to 3WV)

Note: During the afternoon, Results of the Cranbourne Races will be given as they come to hand. 2.0: Classics We All Know. 2.30: The Musical Mirror. 2.45: Around the Bandstand. 3.0: Theatreland Memories. 3.20: Roy Fox and his Orchestra. 3.30: Afternoon Tea Concert. 4.0: Wood and Ivory. 4.15: Symphonic Jazz. 4.30: A Selection of Dick Powell Numbers. 4.45: Variety. 5.15: A Five Star Radio Revue. 5.30: The Evening Serenade.

EVENING SESSION

(Relayed to 3WV)

6.0: Dinner Music. (Relayed to 2CO from 6.40 to 6.45 p.m. approximately.) (3WV off to 3AR at 7.20 p.m.)

NIGHT SESSION

(Relayed to 3WV at 7.35)

7.30: The After-Dinner Show. 8.0: A Brass Band Recital by the Salvation Army Staff Band. Conductor: N. K. McLeod. March—Dauntless Spirit (H. Kirk). Solo and Chorus—O Thou That Tellest Good Tidings to Zion (from The Messiah) (Händel, arr. F. G. Hawkes). (Horn Soloist: Bandsman H. Pannell.) Selection—Gems from Mendelssohn (arr. F. G. Hawkes). Selection—Memories of the Past (arr. A. H. Jakeway) (A Selection of Old English Airs). 8.30: A Different Sort of Holiday (3)—In a Caravan. 8.45: Interlude. 8.50: News, Weather, Shipping, Markets. 9.10: Interlude.

9.15: Music from Many Lands, presented by Rita Miller (Soprano) and Raymond Lambert (Piano). Hungarian and Gipsy Music. Soprano: I Chant My Lay (Dvorak), Hark, My Triangle (Dvorak), Silent Woods (Dvorak), Tune Thy Strings, O Gipsy (Dvorak), Freer is the Gipsy (Dvorak), Cloudy Heights of Tatra (Dvorak). Piano—Jeux d'Eaux a la Villa d'Este (Liszt). Soprano—Gipsy Lieder (Brahms). Piano—Rhapsody No. 6 (Liszt). 9.45: From Dana Street Lecture Hall, Ballarat, a Musical Recital by the Ballarat Choristers. Conductor: Leslie Curnow. Assisted by Normie Gude, Anne Dwyer, Patricia Richards, Harry Clogan, Jack Neville. Accompanist: Phyllis Mitchell. Ballarat Choristers—Choral Fantasia on William Tell (Rossini). Normie Gude (Violin)—On Wings of Song (Mendelssohn). Harry Clogan (Vocal)—Now Sleeps the Crimson Petal (Quilter). Serenade (Richard Strauss). The Ballarat Choristers—The Nightgale (Tschaiakowsky). There Dwells My Phyllis (Somerville). Jack Neville (Vocal)—Money-o (Michael Head). The Star (Rodgers). Patricia Richards and Normie Gude—Sonata in C Minor (Beethoven). Anne Dwyer (Vocal)—Love is the Wind (Mitchell). The Ballarat Choristers—Hungarian Dances Nos. 5 and 6 (Brahms). 10.30: Close. (3WV off to 3AR.)

4QG

QLD NATIONAL PROGRAMME

4QN, 4RK

(Early Morning as Friday).

MIDDAY SESSION

12.0: (Relayed to 4RK and 4QN). Show Times. 12.20: Countryman's Service Session. 12.30: Interlude. 12.40: At Home and Abroad. 12.55: (4RK and 4QN off to Local). Interlude. 1.0: (Relayed to 4RK and 4QN). Cable News. News. Weather. 1.10: (4RK and 4QN off to 4QR). Interlude. 1.15: Des. Tanner at the Organ. 1.30: Radio Rhythm.

AFTERNOON SESSION

2.0: Promenade. 3.0: Yesterday's Favorites. 3.55: News. 4.0: The Classic Hour. 5.0: Harry Bloom's Tango Band.

THE CHILDREN'S SESSION

5.20: (Relayed to 4RK and 4QN). Tiny Tots. 5.30: Tom Cringle. 5.40: Cap and Bebe. 5.50: Puzzle Corner. 5.55: Interlude.

EARLY EVENING SESSION

6.0: (4RK and 4QN off to 4QR). Dinner Music. 7.0: Programme Announcements. 7.2: Music. 7.30: The After Dinner Show. 7.55: Interlude.

NIGHT SESSION

8.0: Midsummer Day. 8.50: News. 9.10: Carols—Usual and Unusual. Presented by the St. Andrew's Singers, directed by Herbert Cannon. Coventry (Traditional). French Noel (Traditional). Still the Night (Gruber). I Saw Three Ships (Gruber). Swiss Carol (Gruber). Dutch Carol (Gruber). How far is it to Bethlehem (Shaw). Bell Carol (Hollins). 9.30: To Meet Johann Strauss. 10.30: Close.

4RK

QLD NATIONAL PROGRAMME

4QN

6.30: From 4QG. 8.15: Close. 10.0: From 4QR. 12.0: From 4QG. 12.55: Local News. 1.0: From 4QG. 1.10: From 4QR. 5.20: From 4QG. 6.0: From 4QR. 6.15: Local News. 6.30: From 4QR. 11.30: Close.

4QR

QLD NATIONAL PROGRAMME

MORNING, MIDDAY, AND AFTERNOON

10.0 (Relayed to 4RK and 4QN): Service by the Rev. Percival Watson. 10.15: Melody Memories. 10.30: Racing Notes. 10.45: Women's Hour. 11.15: Meandering Martha. 11.30: Words and Music. 11.55: Programme Announcements. 12.0 (4RK and 4QN off to 4QG): Mid-day Melodies. 1.10 (Relayed to 4RK and 4QN): Music. Ipswich Amateur Turf Club's Bundamba Races. Sydney Race Results. 5.20 (4RK and 4QN off to 4QR): Musical Hors d'Oeuvre.

EARLY EVENING SESSION

6.0 (Relayed to 4RK and 4QN): For Young People. 6.15 (4RK and 4QN off to Local): A Song at Tea-time. (6.30: Relayed to 4RK and 4QN). 6.40: Sporting Session. 7.0: Digger Doings. 7.15: Interlude. 7.20: News. 7.30: News. 7.35: Weather. Lighthouse Bulletin. 7.40: National Talk—Penal Stations of Old Van Diemen's Land. 7.55: Programme Announcements.

NIGHT SESSION

8.0 (Relayed to 4RK and 4QN): As You Like It, presented by the A.B.C. Light Opera Company. 8.40: Emma and Erbert. 8.50: Herbert Dawson at the Grand Organ (See 2FC). 9.0: Bethlehem, a Nativity Play, by Laurence Houseman (See 2FC). 10.15: Sonata Recital by Tossy Spivakovsky (Violin) and Jascha Spivakovsky (Piano) (See 2FC). 10.45: Interlude. 10.50: Topical Interlude, presented by Harry Bloom's Close. 11.20: Weather; News. 11.30: Close.

5CL

S.A. NATIONAL PROGRAMME

Morning and Midday Session as Friday, except—9.45: Sir Hamilton Harty and Halle Orchestra. Jussi Bjorling, Tenor. 10.30: Service. Preacher: Rev. E. H. Swan for British and Foreign Bible Society. 11.30: Szigeti, Violinist. 11.45: Garden Melodies. 12.45: Desmond Tanner at the Electric Organ.

Afternoon Session as Friday, except—2.0: Pot-pourri.

Early Evening Session as Friday, except—6.30: Talks For All Young People. 6.45: Interlude. 7.0: The 5CL Bluebird Girls' Club. Conducted by The Bird Lady.

EVENING SESSION

7.30: The After Dinner Show. 8.0: A Programme by the A.B.C. (Adelaide) Studio Orchestra, conducted by Percy Code. Assisting Artist—Allan Eddy, Baritone. 8.55: Acceptances for Cheltenham Races. 9.0: Weather. Defence Notes. 9.15: Writing Biography, by Phillip Guedalla (B.B.C.). 9.30: The Adelaide City Concert Band, conducted by Leonard Taylor—March, Under the Double Eagle (J. F. Wagner). Fantasia, Minstrel Melodies (A. Bourne). Bracket of Part Songs, Oh, Who Will O'er the Downs So Free (R. L. Pearsall). Softly Falls the Moonlight (Ord Hume). Humoresque, Pat and MacGregor (Ewan Campbell). Morceau, Bells of Useley. Characteristic, A Legend of the River Thames (Ord Hume). March, Sons of the Wild (W. Rimmer). 10.0: News. Weather. Sport. 10.10: Swing Is Here. 10.30: Close.

For Summer Months

IT has been announced by the Australian Broadcasting Commission that between Celebrity Concert seasons there will be a series of programmes of lighter forms of orchestral music. It is probable that ten such broadcasts will be given from Melbourne, including the works of Bach, Mozart, and Haydn; and probably about the same number of broadcasts will be given from Sydney.

In contrast, the Sydney series will be different in character, although still light. They will tend towards the contemporary composer type of programme, such as light French music, works of Elgar, works of Percy Grainger, folk songs and dances.

Special programmes are also being arranged for orchestras in smaller States. The Commission now has a system whereby programmes are prepared under definite headings, and, when these programmes are sent to the smaller States for their special production, they are arranged in keeping with the size of the orchestra.

Preparation

THERE is no detail work neglected in preparing the Trocadero "Melody Parade" broadcasts, which are heard over 2UE every Tuesday evening from 8.30 to 9.30.

Apart from the rehearsals with the full band and artists, Frank Coughlan and Arthur Carr, programme supervisor at 2UE, go into a huddle for at least two hours prior to each broadcast, picking out numbers and fitting in artists that build the programme up in preparation for rehearsals.

WEDNESDAY—continued

2GB

870kc. 345m. 2UW

1110kc. 270m.

Day Sessions as Friday, except:

7.30: Music as you Like it. 9.0: Orchestral Highlights. 9.30: The Prince of Storytellers. 9.45: Music. 10.15: Banish Drudgery Session—Dorothy Jordan. 12.30: Community Singing from the Savoy Theatre. 3.30: Talk by Mrs. Preston Stanley Vaughan. 3.50: Hints for the Home. 4.0: Feature Session. Serial, Fashion Parade. 4.50: Jingle Bells. 5.20: Station Kid.

6.0: Radio Newspaper. 6.15: The Band Waggon. 6.30: The Radio Rascal—Songs at the Piano. 6.45: Charlie Chan. 7.0: Star Performers. 7.15: The Double Event.

7.30: Lady Courageous. 7.45: In an Evening Garden. 7.50: Under the Baton. 8.0: Other Days. 8.15: Those Happy Gilmans. 8.30: The Comedy Harmonists. 8.45: A. M. Pooley Chats at the Club.

9.0: Swing Your Partner. 9.15: Music. 9.30: Guest Artists' Session. 9.45: Music. 10.0: 2GB News Review.

10.15: Boston Promenade Orchestra—Secret of Suzanne—Overture (Wolf-Ferrari). Lance Fairfax, Baritone—Gentleman! The King! (McLaren-Ray). Anton and the Paramount Theatre Orchestra—Champagne Waltz—Selection. Ninon Vallin, Soprano—Dolores—Waltz (Waldteufel-d'Amor). 10.30: Light and Bright. 11.0: Music. 11.26: Good-night Song. 11.30: Close.

2UE

950kc. 316m.

Day Sessions as Friday, except:

8.30: Music. 9.20: Sporting Talk. 9.50: Health and Beauty. 10.0: Music. 10.10: Romantic Ballads. 10.20: Skin Diseases. 10.50: Health Talk. 11.30: Beauty Talk. 11.35: Light Lyrics.

12.0: Canine Culture. 12.30: Descriptions of Victoria Park Races. 4.40: Official Radio Prices. 5.20: Children's News Service.

6.0: Alice Olliver. 6.15: Results and Electrical Reproductions of Victoria Park Races. Results of Harold Park Greyhound Races during the Evening. 6.25: Newsreel Tour. 6.30: Dinner Music. 6.50: Gems of Melody. 6.55: Joe and Cynthia.

7.0: Dad and Dave. 7.15: Feature. 7.20: Mrs. Arris and Mrs. Eggs. 7.30: How the Other Half Lives. 7.40: Latest Hot Shots. 7.45: Following Father's Footsteps.

8.0: John Halifax, Gentleman. 8.15: Under the Baton. 8.30: Mittens. 8.45: Music. 9.0: Songs by Which They Are Known. 9.15: Sydney Torch, Organist. 9.30: Nine-Thirty Revel. 9.50: Foreign Affairs.

10.0: For the Music Lover. 10.30: The New Mayfair Orchestra. 10.45: News Comedy Numbers. 11.0: Cabaret Hour.

12.0: Henry Gregory Entertains. 12.30: Keeping the Party Going. 1.0: Cheerio Calls. 1.30: News. 2.0: Hospital Nurses' Supper Session.

2CH

1190kc. 252m.

Day Sessions as Friday, except:—

6.0: The Alarm Clock, with Gordon McKillop. 9.30: The Radio Adviser on Life's Problems. 11.0: Cooking Recipes. 11.15: Mothercraft Talk. 11.50: Health Talk. 11.55: Music. 12.35: Description of the Victoria Park Races, by Stuart Edwards, and Results from Cranbourne (Vic.), interspersed with Music. 1.30: News. 5.20: Cousin Marie.

6.0: Bobby Filbert Starts Work. 6.20: Dinner Music. 6.55: Popular Conductors. 7.0: Music. 7.15: Jack Winn in "Winnisms." 7.30: Charles Benson, Tenor.

7.45: Description of the Harold Park Greyhound Racing during the Evening, interspersed with Music. 8.22: Musical Bouquet. 8.30: Tex Morton's Radio Round-up. 8.45: Music. 8.55: News. Note: During evening, Maitland Greyhound Results. 9.0: Flo Paton, Pianiste.

9.10: Music. 9.30: Highway Happiness. 10.0: Music. 10.15: Humorous Tidbits. 10.30: Design for Dancing—Music. Old Time and Modern. 11.30: Close.

2KY

1020kc. 294m.

Day Sessions as Friday, except:

11.35: Track Gallops—Ken Howard. 11.45: Smilin' Thru. 11.50: Australians All. 12.0: Smilin' Thru. 1.0: Broadcast of Races from Victoria Park—Ken Howard. Results of Melbourne Races. 5.28: Piano-accordionists Entertain.

6.0: Cosy Corner. 6.10: Music. 6.30: Dinner Entertainment. 6.37: Leading Orchestral Conductors. 6.45: Miss Harmony at the Piano.

7.0: Music. 7.15: Views on the News. 7.30: Celebrity Artists. 7.45: We Shall Have Music. 8.0: Uncle George and Bimbo Entertain. 8.15: Rhapsodising. 8.25: Golden Voices of the Stars. 8.30: Community Singing from Assembly Hall—George Saunders, Leader. 9.0: Music.

9.15: Broadcast of Presentation of Prizes in the 2KY Radio Trials of 1938 from the Assembly Hall—H. E. Beaver. 10.15: News. 10.30: Happy Hour—Vernon Sellars and Brian Howard. 11.0: Your favorite artist. 11.15: Variety Music. 12.0: Close.

Day Sessions as Friday, except:—

8.0: Stars of Rhythm. 8.30: Under the Mistletoe. 8.45: Music. 10.15: Hints for the Home. 10.25: News. 10.30: Morning Devotion—Mr. F. E. Alcorn (Church of Christ). 11.30: A Beauty Talk.

12.45: Songs of the Sea. 1.0: From the Town Hall—United Intercourse Service. 2.30: The House of Peter MacGregor. 2.45: Hair Hints. 4.0: The Friendly Session. 4.15: Melody Milestones.

6.0: Songs by Famous Singers. 6.10: Chorus—Hi-Yo Silver. 6.15: The Lone Ranger. 6.30: From the Arcadia Theatre. Chatswood—Jim Williams at the Organ. 6.45: Dinner Music. 6.59: Weather.

7.0: Yes-What? 7.15: Harmony Hall. 7.30: Black Flame of the Amazon. 7.45: Norman Martin conducts The Music Show.

8.0: Fred and Maggie Everybody. 8.15: Tops In Pops. 8.30: Howie Wing—Saga of Aviation. 8.45: Music Lovers' Programme.

9.0: Happy Moments. 9.15: Is It the Singer—Or Is It the Song? 9.30: Special Christmas Programme. 10.15: Soft Lights and Sweet Music. 10.50: Music. 11.0: Close.

2SM

1270kc. 236m.

Day Sessions as Friday, except:

1.0: Variety. 1.20: Catholic Principles of Worship—Talk by Rev. Dr. Rumble, M.S.C. 1.40: Magic Island—Serial. 3.15: I'll Tell You All I Know—Joy Bower. 4.0: Beauty. 4.25: Find the Place—Game.

6.0: Angelus. 6.1: Dinner Music. 6.40: Magic Island—Serial. 7.0: Radio Golf School—Lou Kelly. 7.15: Cables. 7.20: Music.

7.30: Australia Unlimited—Presenting Talented Australians. 8.0: Oldies But Goodies. 8.15: Paper Moon—Serial Drama. 8.30: The Grocer and Madame. 9.0: John Dunne's Revue. 10.0: Ten O'Clock Tunes. 10.20: Cables. 10.25: When You Come to the End of the Day. 10.30: Close.

2CA

1050kc. 286m.

Day Sessions as Friday, except:

7.30: Goulburn Session. 11.30: Music. 12.30: Tathra Session. 1.15: Music. 2.0: Songs of Yesterday.

6.0: Dinner Music. 6.25: What's on in Canberra? 6.30: Sporting Commentator. 6.45: Music. 7.30: Fred and Maggie Everybody. 7.45: How the Other Half Lives.

8.45: Harmony in the Home. 9.0: Dancing Time. 9.15: Dream Melodies. 9.30: Popular Pianoforte Recital. 9.45: Strange As It Seems.

10.0: 2GB News Review. 10.30: Listen and Relax. 11.30: Calling South Australia. 12.30: Greetings to Western Australia. 3.30: Hello, New Zealand. 5.0: Melody and Mirth.

2KA

780kc. 385m.

Day Sessions as Friday, except:—
8.0: Farewelling Father's Footsteps. 10.15: We Travel the World. 10.30: The Astrologer. 10.45: The Homemaker. 12.30: Racing Descriptions from Sydney, Melbourne. 5.0: Music. 5.45: Sporting Resume.

6.0: Children's Session. 6.30: News. 6.40: Dinner Music. 6.50: It's a Fact. 7.0: Dad and Dave. 7.15: World Orchestras. 7.30: How the Other Half Lives.

7.45: The Groucher. 8.0: Fred and Maggie Everybody. 8.15: Theatre Memories. 8.30: Music. 8.45: Dance Music.

9.0: Holiday Highlights. 9.30: Old Time Dance Music. 10.15: Star Visitors. 10.30: Music. 11.0: Close.

Aunty Tanya's
Mail Bag

(Continued from Page 52.)

another of your interesting letters, won't you. Roger Goldthorpe (Warialda).—Poor little kookaburra. Aren't you going to let him fly away? He probably wants his mummy and daddy. I'm glad you decided to join the Corner. What a lucky boy you are to have all those pets.

Vivienne Price (Murwillumbah).—Welcome to the Corner, Vivienne. If your dog is as mischievous as Oscar, you must have all your time taken up looking after him.

Lena Kneipp (Banshaw).—What an interesting letter. I shall tell the kiddies all about it next week. Thanks for the competition ideas, too, and welcome to the Corner.

Ian Hird (Yetholme).—How lucky you are to live in such a beautiful spot, and to have a pony and a dog and cat. Welcome to the Corner.

Fae Cann (Kempsey).—It was very pleasant to hear from you again, Fae. But write me a longer letter next time and tell me how you are.

Frank Dodd (Proserpine).—I am glad you are well again, Frank. Oscar and Binky are much better behaved now, thank you.

Nancy Cowdrey (Newtown).—I'm so glad you and your sisters like the Corner, and hope you will soon be better. Write from Bowral Home and let me know how you are getting on.

Nellie Elder (Rockhampton). Glad you have decided to become a member, Nellie. The more members I have, the more pleased I am. Don't forget the snapshot and try again for our next competition.

Lorna D. Luff (Simsville). A very good attempt, Lorna. You nearly won a prize. Better luck next time.

Daphne Banks: Try again for our next competition, Daphne, won't you?

Tom Massingham (Binnaway). Sorry, Tom. Not quite enough words. But it was a very good effort, and beautifully written. Try again, won't you?

Moirá Collier (Millmerran). What a lovely letter you write, Moirá. I'm so glad you decided to join the Corner. You certainly have a lot of interesting hobbies. And a lot of brothers and sisters. You must have lots of fun. Send me a snapshot of yourself if you have one, will you?

Betty Pickett (Tasmania). Welcome to the Corner, Betty. Binky is 4½ months old and

(Continued on Page 58.)

THURSDAY . . . DECEMBER 22

2FC AUSTRALIAN NATIONAL PROGRAMME

2CO, 2NR, 3AR, 3GI, 4RK, 4QR, 4QN, 5AN, 5CK, 6WA, 6WN, 7ZL, 7NT.

THE OPENING SESSION

6.30: Opening Musical Item. 6.32: Meteorological Information. 6.35: Mails and Shipping Markets. 6.45: Cables, News Commentary. 6.55: News. 7.0: The Daily Dozen. 7.10: Morning Music. 8.0: News Service. 8.15: British Official Wireless News. 8.15: Interlude. 8.20: Musical Items. 8.30: The Hospital Half Hour. 9.0: Musical Interlude.

THE MORNING SESSION

9.30: The Morning Story. 9.50: Interlude. 9.55: Overseas and Sydney Wheat Quotations. 9.57: An Organ Interlude. 10.0: Morning Devotional Service, conducted by COLONEL FRANK BELL. 10.15: Close.

THE MIDDAY SESSION

12.0: Observatory Time Signal, Musical Items. 12.20: Overseas and Sydney Wheat Quotations, Sheep and Cattle Reports and Special Produce Market Session.

12.40: At Home and Abroad—A News Commentary by THE WATCHMAN.

12.55: News, Cables, Additional News from the British Official Wireless News Service.

1.5: Luncheon Music—

THE INTERNATIONAL CONCERT ORCHESTRA—

Lazy Pete (Weiner)
Amoureuse (Beiger)
SYDNEY McEWAN, Tenor—
As I Sit Here (Sanderson)
Macushia (Rowe-McMurrough)
INTERNATIONAL CONCERT ORCHESTRA—
La Spagnola (De Chiara)
My Treasure (Becucci)
MARIA KURENKO, Soprano—
'Tis the Last Rose of Summer (Moore)
Villanelle (del Acqua)
INTERNATIONAL CONCERT ORCHESTRA—
Parade of the Wooden Soldiers (Jessel)
Kavalier Waltz (Nebdal)
(r.)

1.35: Sydney Speaks.

1.45: Racing Talk by MICK FERRY.

THE AFTERNOON SESSION

2.0: Musicale—

THE PHILADELPHIA SYMPHONY ORCHESTRA—

Prelude and Fugue in F Minor
(Bach, arr. Cailliet)
LOTTE LEHMANN, Soprano—
The Message (Brahms)
The Maiden Speaks (Brahms)
My Maiden Has a Mouth So Red (Brahms)
FRITZ KREISLER, Violinist—
Larghetto (Weber)
Rosamunde Ballet (Schubert)
THE LONDON SYMPHONY ORCHESTRA—
Caractacus—Triumphal March (Elgar)

2.30: A Pianoforte Recital by ALFRED CORTOT—

Prelude, Aria, and Finale (Franck)
Litanies (Schubert-Cortot)
Des Abends (Schumann)
3.0: THE BOSTON SYMPHONY ORCHESTRA—
Khovantchina—Introduction (Moussorgsky)
GERHARD HUSCH, Baritone—
Tom der Reimer (Loewe)
Creation's Hymn (Beethoven)
The Two Grenadiers (Schumann)
GASPAR CASSADO, Cello—
Evening Song (Schumann)
Melodie (Tschaiakowsky)
Après une Rave (Faure)

3.30: OPERA HOUSE

THE BERLIN SYMPHONY ORCHESTRA—

Ihigenia in Aulis—Overture (Gluck)
HELENE CALS, Soprano—
Julius Caesar—Piangero, Piangero (Handel)
CHARLES RACKETT, Tenor—
Semele—Where'er You Walk (Handel)
M. WHITTRISCH, K. HEIDERSBACH, W. DOMGRAF, with ORCHESTRA and CHORUS—
Lohengrin's Arrival (Wagner)
RICHARD CROOKS, Tenor—
Lohengrin's Narration (Wagner)

4.0: Chat Over the Teacups, by NOELLE BRENNAN (Our London Letter).

4.15: Musical Programme—

THE LONDON SYMPHONY ORCHESTRA,

conducted by Albert Coates—
Symphony No. 3 in D (Tschaiakowsky)
Allegro Moderato Assai—Allegro Brillante
—Alla Tedesca.
Andante Elegiaco.
Scherzo and Trio.
Alla Pollaca.
ELISABETH SCHUMANN, Soprano—
Solovie's Song (Grieg)
Wegelied (Smetana)

4.55: Stock Exchange, Third Call.

4.58: Musical Items.

THE EARLY EVENING SESSION

5.0: Musical Items.
5.20: A Christmas Pantomime, "CINDERELLA," presented by a Cast of well-known Radio Favorites, with the A.B.C. THEATRE ORCHESTRA AND CHORUS, Conducted by ELFORD MACK.

6.5: Musical Interlude.

6.20: Highlights of Cricket.

6.30: Interlude.

6.40: Sporting Session—Results and Comments.

6.50: Women's Sporting Session, conducted by GRACE JOHNSTON.

7.0: The Diggers' Session, featuring Dug-out Anecdotes, Written by E. V. TIMMS.

7.15: Interlude.

7.20: National News Bulletin.

7.25: News Commentary.

7.30: Local News.

7.35: Musical Interlude.

7.40: National Talk—The Northern Territory Series, by MR. E. SOUTHWELL-KEELY—People and Personalities of the Far North.

7.55: Interlude.

THE EVENING SESSION

8.0: FROM ST. JAMES HALL, SYDNEY. THE COLLEGIUM MUSICUM presents THE LIVING MARIONETTE (Tuttifaentchen) (First Australian Public Performance. An Old World Christmas Play in Three Acts, with Music, by PAUL HINDEMITH, featuring the Living Marionette, KARIN GOTSCH, The Showman: SYDNEY DE VRIES.

This charming fantasy relates, in a colorful musical setting, the mischievous pranks of a Marionette which came to life and ran off with the wood-carver's daughter after he had taken away her heart by magic. The frantic search for the lost heart by the village folk, the magical events at the village fair, and the final return of the Marionette to the tree in the forest from which he had been carved make a fascinating story full of fun and color, which is dexterously interwoven with the vivid texture of the orchestral background and the beautifully written songs and dances. Here is to be found the Quintessence of Christmas. Musical Direction and Orchestra: LEONORE AND CARL GOTSCH. Produced by MAY HOLLINWORTH.

10.0: A Re-broadcast from the Empire Station of a Talk on Foreign Affairs.

10.15: JIM DAVIDSON'S A.B.C. DANCE BAND. 11.0: Interlude.

11.20: Late News from "The Sun" and Late Official Weather Information.

11.30: Close.

2BL N.S.W. NATIONAL PROGRAMME

2CR, 2NC

OPENING SESSION

10.0: G.P.O. Chimes. Morning Devotion, conducted by COLONEL FRANK BELL.

10.15: Music.

11.0: MURIEL MAXWELL Suggests a Book List. 11.15: Music.

11.30: Interlude—

TRINITY CHOIR—
While Shepherds Watched Their Flocks
(Tate)

ESSIE ACKLAND, Contralto—
There is a Green Hill (Gounod)

ST SWITHIN'S CHOIR—
Christians Wake (Wainwright)

RICHARD CROOKS, Tenor—
Nazareth (Gounod)

PROFESSOR BACHEM, Organist—
How Brightly Shines the Morning Star.
11.45: Musical Interlude.

MIDDAY SESSION

12.0: Observatory Time Signal. Rainfall Registrations. Stock Exchange, First Call, and Metal Quotations.

12.8: Musical Interlude.

1.5: Metropolitan Weather Forecast. Ocean Forecast and Synopsis. Weather Note and Forecasts, including State, Sectional, and Air Route.

1.15: Afternoon News, Cables.

1.27: Musical Interlude.

2.0: Stock Exchange, Second Call.

2.5: Music of the Moment.

2.30: Musical Interlude.

RADIO MATINEE

3.0: Dansant—
(Three New Releases.)

ELLA HOGAN, Vocal—
Jingle (Birds) Bells
JOE DANIELS AND HIS HOT SHOTS—
Arkansas Blues (Williams)
Knees Up, Mother Brown (arr. Read)
Tiger Rag (La Rocca)

FRANKIE CARL, Pianist—
Doll Dance (Brown)

MUSIC IN THE RUSS MORGAN MANNER—
Joseph, Joseph (Cahn)

I Love a Lassie (Grafton)

Tidal Wave (Trask)

FRANK CRUMIT, Comedian—
Nettie is the Nitwit of the Networks (East)

CASINO ROYAL ORCHESTRA—
Did An Angel Kiss You? (Freed-Hollander)

My Margarita (Hirsch-Grever)

Something Tells Me (Mercer-Warren)

3.45: The Life of the Greatest Criminal Lawyer

—Sir Edward Marshall-Hall—Read by

MICHAEL STRONG.

4.0: Dansant, continued—

EDDY DUCHIN'S ORCHESTRA—
Between the Devil and the Deep Blue Sea

(Arlen)

The You and Me That Used to Be (Wrubel)

SONS OF THE PIONEERS—
Blue Prairie (Spencer-Nolan)

HENRY JACQUES AND ORCHESTRA—
You're An Education (Dubin-Warren)

Lonely Troubadour (Miller)

4.15: TAL ORDELL Tells a Story.

4.35: MAREK WEBER AND HIS ORCHESTRA.

4.45: RAYMOND NEWELL, Baritone.

4.55: JACK SIMPSON, Xylophonist.

5.0: DAKOS BELA ORCHESTRA.

5.10: Rambling in Rhythm—A Programme of

New Release Recordings.

5.40: Programme Previews.

EARLY EVENING SESSION

6.0: Weather Information.

6.5: Dinner Music.

7.30: THE AFTER DINNER SHOW—
Half an Hour of Humor and Harmony, introducing—

LEN FIELDS.

DOROTHY LAMOUR.

LONDON PIANO-ACCORDEON

BAND.

REVNELL AND WEST.

LOUIS LEVY.

TURNER LAYTON.

EVENING SESSION

8.0: THE NEW NOTE OCTET. Leader: ALBERT FISCHER.

8.30: SENIA CHOSTIAKOFF, Tenor, with DESMOND TANNER, at the Electric Organ.

8.50: Late News, Weather Information, and Market Reports. Stock Exchange, Late Call.

9.25: Interlude.

9.30: We Await Your Verdict.

9.45: "World Changes in Marketing"—
Talk by MR. GEORGE J. EVATT.

10.0: A Programme by THE NATIONAL MILITARY BAND, conducted by STEPHEN YORKE, Assisting Artist: R. A. BARTLEMANN, Baritone.

BAND—

March—Distant Greeting (Doring)

Overture—Festival (Leutner)

BARITONE (with Band Accompaniment).

BAND—

Suite—Santa Claus (Holland)

Toyland.

On Tiptoe.

Christmas Joy.

10.30: Close.

THURSDAY—continued

3AR STATE NATIONAL PROGRAMME

EARLY MORNING SESSION AS FRIDAY
Relayed to 3GI, 3WV

MORNING SESSION AS FRIDAY
Relayed to 2CO and 3GI

MIDDAY SESSION AS FRIDAY EXCEPT
Relayed to 2CO, 3GI, 3WV
1.15: Four Hands on a Piano.

AFTERNOON SESSION
Relayed to 2CO and 3GI

2.0: Music Hall of the Air. 2.30: Hawaiian Harmony. 2.45: Derek Oldham and Edith Lorand and Her Orchestra. 3.0: Memories of France. 3.30: Singers and Their Songs, Miriam Licette. 3.45: Religious Music.

4.0: Sir Hamilton Harty and London Philharmonic Orchestra Overture to a Picaresque Comedy, Bux. Pierre Bernac, baritone—Tourterelle, Milhaud, Chanson Gallardes, Populenc. Laszlo Szentgyorgyi, violin and the Berlin State Opera Orchestra—Concerto No. 1, Paganini. Lotte Lehmann, soprano—The Lotus Flower, Schumann. Oh, Sunny Beam, Schumann. Lady Bird, Schumann. Walter Gieseking, pianoforte, La Cathedrale Engloutie, Debussy. Berlin Philharmonic Orchestra, conducted by Franz Schreker, Little Suite for Chamber Orchestra, Canon, Marcia-Capriccio, Fughette, Intermezzi. 4.45: From St. Paul's Cathedral. Eveng. 5.0: From the Studio. 5.20 to 6.0 p.m.: A Christmas Pantomime, Cinderella, by James Grant, Presented by a cast of well-known Radio Favorites with the A.B.C. Theatre Orchestra and Chorus, conducted by Eford Mack. Production—Ida Osbourne.

EVENING SESSION

6.0: Music. 6.15 (Relayed to 2CO and 3GI): From One Dog Lover to Another. 6.30: Music. 6.40 (2CO off to 3LO): Sporting Session. 6.55 (Relayed to 2CO and 3GI): Rain-fall, Weather. 7.0: Digger Doings. 7.15: Music. 7.20: News. 7.30: News. 7.35 (2CO and 3GI off to Local—3WV off to 3LO): Links with the Past. 7.36: Music. 7.40 (Relayed to 2CO and 3GI): The Northern Territory. 7.55: How it Began.

NIGHT SESSION
Relayed to 2CO and 3GI

8.0: The First Australian Public Performance of The Hindemith Opera, Tutti-teanten (the Living Marionette). 10.0: A Talk on Foreign Affairs. 10.15: Dance Music by Jim Davidson's A.B.C. Dance Band. (Relayed to 2CO, 3GI and 3WV at 10.30 p.m.). 11.0: Prelude to Repose. 11.20: News. 11.30: Close.

3LO VIC. NATIONAL PROGRAMME 3WV

Morning Session as Friday, except:
(Relayed to 3WV)

10.15: Bournemouth Municipal Orchestra, conducted by Sir Dan Godfrey—Neil Gwyn, Pastoral Dance (German), Neil Gwyn, Merry-makers' Dance (German). 11.15: Serge Koussevitzky, conducting the Boston Symphony Orchestra—Classical Symphony in D Major, Op. 15 (Prokofiev), Love of Three Oranges, Scherzo and March (Prokofiev).

MIDDAY SESSION
(Relayed to 3WV)

12.0: Luncheon Music. (3WV off to 3AR from 12.20 to 12.25.) 1.0: Music.

AFTERNOON SESSION
(Relayed to 3WV)

2.0: Classics We All Know. 2.30: Vocal Variety. 2.45: Keyboard Serenade. 3.0: Tunes of Not-so-long-ago. 3.15: A Spot of Comedy. 3.30: Afternoon Tea Concert. 4.0: Acceptances and Barrier Positions for Williamstown. 4.15: Hawaiian Shadows. 4.30: Relatives in Rhythm. 4.45: Something for Everybody. 5.15: Cowboy Rhythm. 5.30: The Evening Serenade.

EVENING SESSION
(Relayed to 3WV)

6.0: Dinner Music. (Relayed to 2CO from 6.40 to 6.45 approx.) (3WV off to 3AR at 7.20 to 7.35.)

NIGHT SESSION
(Relayed to 3WV)

7.40: A Recital by Etta Bernard (Contralto). 8.0: The New Note Octet (See 2BL). 8.30: A Programme of Christmas Carols by the A.B.C. (Melbourne) Wireless Chorus, under the direction of Haydn James. 8.50: News, Weather, Shipping Markets. 9.10: Interlude. 9.15: Come Back to Erin, The City of the Tribes—Aileen Brooksbank.

9.30: A Novelty Instrumental Recital by Peter Bernar (Piano-Accordion)—Tango, La Cumparsista (G. H. M. Rodriguez); Waltz, Olive

Blossoms (P. Frosini); Novelty, Hotcha (P. Saltman); March, The Gay Hunters (P. Deiro); Novelty, Hot Points (P. Frosini). 9.45: This Marriage, a series of episodes in which two Artists make Love—and unmake it—to Music. The Story by C. Tapley Timms, interpreted by Pat Francis and John Fraser. Episode 6: Two Voices in Discard. 10.0: A Pennant Cricket Talk. 10.15: An Open Air Concert with the Massed Bands of the Aidershot and Eastern Commands and Massed Choirs. 10.30: Close. (3WV off to 3AR.)

4QG QLD NATIONAL PROGRAMME

4QN, 4RK

(Early Morning as Friday.)

MIDDAY SESSION

12.0: (Relayed to 4RK and 4QN). Show Tunes. 12.20: Countryman's Service Session. 12.30: Interlude. 12.40: At Home and Abroad. 12.55: (4RK and 4QN off to local). Interlude. 1.0: (Relayed to 4RK and 4QN). Cable News, News, Weather. 1.10: Music.

AFTERNOON SESSION

2.0: (4RK and 4QN off to 4QR). Globe-Trotter. 3.0: Music of the Moment. 3.55: News. 4.0: The Classic Hour. 5.0: (Relayed to 4RK and 4QN). Hits and Encores.

THE CHILDREN'S SESSION

5.15: Children's Pantomime.

EARLY EVENING SESSION

6.0: Dinner Music. (6.15: 4RK and 4QN off to local). 7.0: Programme Announcements. 7.2: Music. 7.30: The After Dinner Show. 7.55: Interlude.

NIGHT SESSION

8.0: A Night in Venice. A Programme of Romance in Italy. 8.30: Lieder Recital by Minna Metz (Soprano). Zueignung (Strauss). Morgen (Strauss). Sapphic Ode (Brahms). Sandmannchen (Brahms). Abends (Franz). Liebschen ist da (Franz). Gute Nacht (Franz). 8.50: The News Summary. 9.10: Talk by W. M. Kyle—Clairvoyance. 9.25: Time Turns Back. 10.15: At Close of Day. 10.30: Close.

4RK QLD NATIONAL PROGRAMME

4QN

6.30: From 4QG. 8.15: Close. 10.0: From 4QR. 12.0: From 4QG. 12.55: Local News. 1.0: From 4QG. 2.0: From 4QR. 5.0: From 4QG. 6.15: Local News. 6.30: From 4QR. 11.30: Close.

4QR QLD NATIONAL PROGRAMME

MORNING AND MIDDAY SESSION

10.0 (Relayed to 4RK and 4QN): Service by the Rev. L. J. Hobbs. 10.15: Out of the Groove. 10.30: Racing Notes. 10.45: Women's Hour. 11.15: Sally in Rhodesia. 11.30: Words and Music. 11.55: Programme Announcements. 12.0 (4RK and 4QN off to 4QG): Midday Melodies. 1.25: From Constitutional Club—Lecture.

AFTERNOON SESSION

2.0 (Relayed to 4RK and 4QN): Speaking Personally. 2.30: Classical Half Hour. 3.0: The Musicale. 4.0: You and I. 5.0 (4RK and 4QN off to 4QG): Musical Hours d'Oeuvre.

EARLY EVENING SESSION

6.0 (Relayed to 4RK and 4QN): Music. (6.30: Relayed to 4RK and 4QN.) 6.40: Sporting Session. 7.0: Digger Doings. 7.15: Interlude. 7.20: News. 7.30: News. 7.35: Weather. 7.40: National Talk—The Northern Territory. 7.55: Programme Announcements.

NIGHT SESSION

8.0 (Relayed to 4RK and 4QN): First Australian Performance of The Living Marionette, An Opera by Paul Hindemith. (See 2FC). 10.0: World Affairs. 10.15: Jim Davidson's A.B.C. Dance Band. 11.0: Prelude to Repose. 11.20: Weather; News. 11.30: Close.

5CL S.A. NATIONAL PROGRAMME

Morning and Midday Session as Friday, except—9.45: Berlin State Opera House Orchestra. Elsie Suddaby, Soprano. Myra Hess, Pianist. 10.30: Service. Preacher: Pastor Theo. Edwards for Church of Christ. 11.30: Edith Lorand and Her Orchestra. Webster Booth, Tenor.

Afternoon Session as Friday, except—2.0: Harold Williams and B.B.C. Male Quartette.

2.15: Personalities of the Organ. Sydney Torch. 2.30: De Groot and his Orchestra, with Jessie Matthews and Dan Donovan, Tenor. Early Evening Session as Friday.

EVENING SESSION

7.30: The After Dinner Show. 8.0: The 5CL Boys' Club. 9.0: Weather. 9.5: How Other Folk Enjoy Christmas, Part 11. A Talk by Miss E. M. Dawe. 9.20: Interlude. 9.30: The Mounta Harmony Choir. While Shepherds Watched Their Flocks by Night (Bert Evans). See Seraphic Throngs Descending (J. L. Davey). Calm on the Listening Ear of Night (J. L. Thomas). It Came Upon the Midnight Clear (Bert Evans). Hark! What Mean Those Holy Voices (Jos. Glasson). Morials, Awake! Why Slumber So? (J. H. Thomas). Joy to the World, the Lord is Come (E. E. Butson). The New Born King (J. H. Thomas). High, Let Us Swell Our Tuneful Notes (J. L. Davey). 10.0: News, Weather, Sport. 10.10: Dance Music. 10.30: Close.

JUNIOR TECHNICAL SECTION

(Continued from Page 43)

first know the turns per volt ratio. This is governed by the cross sectional area of the iron core, and for receiver transformers varies from about six to three turns per volt. Here are a few ratios and sizes which will be found accurate enough for our purpose:—

Core cross section.	Turns per volt.
1½ sq. ins.	5
2 sq. ins.	4
2½ sq. ins.	3½

From this you will see that it is a good point to use a large core, for by so doing we then require less wire and winding.

If, as previously mentioned, an old primary is to be used to make up a transformer for low voltage output, it may be possible to wind on the few secondary turns required without dismantling the laminations. In this case we put on more turns than we judge necessary, and then adjust these by checking under load with a voltmeter.

Chokes, of course, are a much simpler job because there are no high A.C. potentials present between turns or layers. In fact, we must confess, many of our chokes are pile-wound on a fibre bobbin without layer insulation. Of course were careful to see that the top turns did not slip down between the windings and the cheeks of the bobbin.

Oh, by the way, when refitting laminations we usually find that it is difficult to insert the last one or two. It is much better to leave these out than to risk cutting through the bottom coil layer. If this should happen the job may still work in a satisfactory manner if the core is removed and the damaged layer pulled out carefully, turn by turn.

Referring back to mechanical winding: An interested listener recently was kind enough to post us details of a winder that he had constructed from an old spring-driven gramophone motor. Quite an ingenious arrangement, which he says, winds 400 turns or more with one cranking up.

RANDOM JOTTINGS

O.J.S., Blackheath.—Letter appreciated and details filed for future reference.

The first microphone was invented by Philip Reis in 1861.

THURSDAY—continued

2GB 870kc. 345m.

Day Sessions as Friday, except:
 9.0: Piano and Violin Recital. 9.30: The Prince of Storytellers. 9.45: Music. 10.0: Medical Talk. 10.15: Banish Druggery Session—Dorothy Jordan. 10.30: For Pedestrians. 11.0: Talk. 2.0: Skin Specialist. 3.15: Your Cavalier. 4.0: Feature Session. Serial: June Marsden—Astrology. 4.50: Jingle Bells.
 6.0: Radio Newspaper. 6.15: Band Waggon. 6.30: Snapshots of Sport. 6.45: Your Favorite Melodies.
 7.0: Music. 7.15: The Double Event. 7.30: Lady Courageous. 7.45: Modes and Fashions. 7.50: Under the Baton. 7.55: Music.
 8.15: Dan Jamieson and His Boys. 8.30: Houses in Our Street. 8.45: Sacrifice. 9.0: What Do You Know?
 9.10: Joe Bund and his Orchestra—Fairy wood Parade—Intermezzo (Noack). Comedy Harmonists. Vocal Quintet—Tarantella Sincera (Crescenzo). Charlie Kunz, Pianoforte Soloist—Charlie Kunz Medley of Strauss Waltzes, Part 2. Allan Jones, Tenor—The Donkey Serenade (Primi-Stothart). Anton and the Paramount Theatre Orchestra—Shirley Temple Memories, Part 2. 9.30: Music. 9.45: Lionel Bibby—Gun Smoke. 9.55: Music.
 10.0: 2GB News Review. 10.15: Hits and Encores. 10.30: Light and Bright. 11.0: Music. 11.26: Good-night Song. 11.30: Close.

2UE 950kc. 316m.

Day Sessions as Friday, except:—
 6.0: The Alarm Clock with Gordon McKillop. 7.30: Piano-accordion Parade. 9.30: The Radio Adviser on Life's Problems. 10.20: Thrift Club. 10.35: Music. 11.0: Guest Speaker.
 12.33: Music. 12.45: Recorded Community Singing Concert. 1.20: Acceptances for Randwick. 1.30: Wollongong Dog Draw. 1.35: News. 1.40: Music. 2.15: Film Topics—Mary Marlowe. 2.30: Music Brings Memories. 3.0: Music. 3.15: Going Places. 3.45: Afternoon Tea Session. 4.3: Waltz Time.
 6.0: Bobby Filbert Starts Work. 6.20: Music. 6.25: Piano-accordion Parade. 6.40: Music. 6.45: Porky and the Pennies. 6.55: Popular Conductors. 7.0: Dinner Music. 7.15: Light Music.
 7.30: Charles Benson, Tenor. 7.45: Film Fanatic. 8.0: Telefunken Music. 8.7: Musical Bouquet. 8.15: Tex Morton's Radio Round-up. 8.30: Music.
 8.55: News. Note: During evening, Dapto Greyhound Results. 9.5: Studio Sketch by Players from "Do You Want To Be An Actor?" 9.20: Variety Music. 9.30: Joy Riding with Ernest Walsh. 9.45: Songs Without Words—Flo Paton, Pianiste. 10.0: Dance Music. 10.15: Music. 10.30: Classic and Comedy. 11.30: Close.

2KY 1020kc. 294m.

Day Sessions as Friday, except:
 11.35: Special Speaker. 12.0: Close.
 2.0: Manly by the Sea—Myra Dempsey. 2.30: The Passing Show. 3.15: Milady's Dress. 3.30: Whose Is the Voice Competition. 3.40: The Listener Speaks.
 6.0: Cosy Corner. 6.10: Music. 6.30: Dinner Entertainment. 6.37: Leading Orchestral Conductors. 6.45: Radio Highlights. 7.0: Film Selections.
 7.15: Views on the News. 7.25: Music. 7.30: Dance Music. 7.40: Music. 8.0: Uncle George and Bimbo.
 8.15: Glimpses of Arcadia—Radio Serial. 8.30: Golden Voices of the Stars. 8.35: Music. 9.30: George Francis. 9.45: 2KY Tourist and Fishing Session—Eric Walker. 10.15: News. 10.30: Happy Hour—Vernon Sellars and Erian Howard. 11.0: Your Favorite Artist. 12.0: Close.

2UW 1110kc. 270m.

Day Sessions as Friday, except:
 9.20: Track Gallops. 10.0: Morning Tea. 10.10: Romantic Ballads. 10.20: Melody Time. 10.25:

Know Your Stars. 10.45: Music. 11.0: Gardening Talk—S. H. Hunt. 11.30: Dream Wanderer.
 1.30: Acceptances for Randwick Races. 3.0: Matinee Highlight. 3.45: An Easy Chair and Some Books—J. M. Prentice. 4.0: A Background. 4.15: Miss Mandola and Banjo Man. 4.30: Out of the Shadows. 5.20: Royal Road. 5.30: West of Sydney. 5.55: Health and Beauty.
 6.0: Dinner Music. 6.25: Newsreel Tour. 6.30: Music. 6.50: Gems of Melody. 6.55: Joe and Cynthia.
 7.0: Dad and Dave. 7.15: Feature. 7.20: Mrs. 'Arris and Mrs. 'Iggs.
 7.30: How the Other Half Lives. 7.40: Latest Hot Shots. 7.45: Following Father's Footsteps. 8.0: Fifteen Minutes with a Star. 8.15: Under the Baton. 8.30: Mittens. 8.45: Diamondpoint Presentation.
 9.0: Secret Diary. 9.15: Songs to Make You Sing. 9.30: Where To Fish. 9.45: Galety Land.
 10.0: Orchestral Concert, featuring Herman Finck and his Orchestra. Guest Artists: Heddie Nash, Tenor; Reginald Foot, Organist. 11.0: Musical Miscellany.
 12.0: Henry Gregory Entertains. 12.30: Keeping the Party Going. 1.0: Cheerio Calls. 1.30: News. 2.0: Hospital Nurses' Supper Session.

2CH 1190kc. 252m.

Day Sessions as Friday, except:—
 8.0: Stars of Rhythm. 8.45: Mothers' Session. 10.30: Morning Devotion—Rev. C. S. Fleck (Anglican). 11.0: Health and Harmony. 11.10: Your Favorite Artist. 11.30: Wizards of the Wurritzer. 1.0: Community Praise Service. Afternoon Session, 2.0-5.0 p.m.: 2.30: The House of Peter MacGregor. 2.45: This'll Make Your Smile. 3.15: Hints for the Home. 3.25: Interlude. 3.50: Lurline Fleming. 4.0: A Dickens Reading by A. S. Cochrane. 4.15: Melody Milestones.
 6.0: Songs by Famous Singers. 6.10: Chorus—Hi-Yo Silver. 6.15: The Lone Ranger. 6.30: From the Palatial Theatre, Burwood—Norman Robins at the Organ; Light Cavalry Overture (von Suppe); The White Dove (Lehar); Rendezvous (Aletter). 6.45: Dinner Music. 6.59: Weather Report.
 7.0: Yes-What? 7.15: Aristocracy of Rhythm. 7.30: Black Flame of the Amazons. 7.45: Oscar Lawson presents Bits and Pieces.
 8.0: Fred and Maggie Everybody. 8.15: We Shall Have Music. 8.30: Howie Wing—Saga of Aviation. 8.45: Romance in Melody—Rokoko Love Song; Sing Me a Love Song; I Give My Heart; Dream Lover.
 9.0: Personality Promenade. 9.15: Bringing Up Sally. 9.30: Thesaurus Presentation. 9.45: Look Up and Laugh. 10.0: Erice Pearce presents Please Yourself Session. 10.30: Soft Lights and Sweet Music. 10.50: Music. 11.0: Close.

2SM 1270kc. 236m.

Day Sessions as Friday, except:
 7.30: Novelty Pianist. 7.35: Listeners' Choice. 8.0: Music. 8.10: Novelty Pianist. 8.20: Community Singing. 2.30: Popular Vocalists and Entertainers. 3.0: Australia's Fashion Expert. 4.25: Find the Place—Game. 4.30: Music. 4.45: A Wedding Has Been Arranged.
 6.0: Angelus. 6.1: Dinner Music. 6.40: Magic Island—Serial. 7.0: Your Dinner Dance. 7.15: Cables. 7.22: Sporting Topics. 7.30: We Shall Have Music.
 8.0: The Joy of Living. 8.15: Paper Moon—Serial Drama. 8.30: The Grocer and Madame. 8.52: Health Talk. 9.0: In Town To-night, with John Dunne Interviewing the City's Personalities. 9.30: Skin Specialist's Talk. 9.45: They Made These Famous—Compere: Father Meany. 10.20: Cables. 10.25: When You Come to the End of the Day. 10.30: Close.

2CA 1050kc. 286m.

Day Sessions as Friday, except:
 8.0: Braidwood Session. 11.30: Music. 11.35: The Hollywood Tatler. 11.45: Handy Hints.

12.0: Narooma Session. 1.15: Music. 2.0: Songs of Yesterday.

6.0: Dinner Music. 6.25: What's on in Canberra? 6.30: Sporting Commentator. 7.0: Mittens. 7.30: Fred and Maggie Everybody. 7.45: How the Other Half Lives.
 8.0: Music. 8.30: Dancing Time. 9.15: Dream Melodies. 9.30: Chundu the Magician.
 10.0: 2GB News Review. 10.30: Listen and Relax. 11.30: Calling South Australia. 12.30: Greeting Western Australia. 3.30: Hello, New Zealand. 5.0: Melody and Mirth.

2KA 780kc. 385m.

Day Sessions as Friday, except:
 8.0: The Bunk House. 10.45: The Home-maker.
 6.0: Children's Session. 6.30: News. 6.40: Dinner Music. 6.50: It's a Fact. 7.0: Dad and Dave. 7.15: Interlude of Song.
 7.30: How the Other Half Lives. 7.40: Cabaret Camera. 8.0: Fred and Maggie Everybody. 8.30: Music. 8.45: Gems of Melody.
 9.0: Holiday Highlights. 9.15: Fire Prevention Talk. 9.20: The Skin Specialist. 9.30: Dance Music. 10.30: Music. 11.0: Close.

Aunty Tanya's
Mail Bag

(Continued from Page 55.)

Oscar is 2½ years old. Don't forget the snapshot.

Bill Davey (Leeton): You didn't say how old you are, Bill. Don't forget to put your age next time and write me a long letter.

Sheila Mumberson (Burrawang): I didn't get that letter, Sheila. I'm glad you are better. Thanks for the kind wishes.

WORD COMPETITION RESULTS

THESE are the lists of words sent in by the three prize winners for the word competition:—

SENIOR

Art, all, ails, Asia, ait, as, ait, aura, aula, aural, aurist, Austral, altar, altars, Asar, Austria, astir, astral, atlas, aril, aria, als, ait, air, airt, alar, alias, aurais, arais, aris, aul as, us, utas, utas, uria, ultra, ur, utis, sat, sit, salt, sir, sail, star, sai, sair, saut, stare, stir, stria, sutra, suit, sari, silt, sil, satara, sauria, saul, sault, taal, trail, tail, tai, tar, ti, tiara, tiri, trial, trias, tsar, tau, tarsia, trials, liaras, tails, 'tis, trials, tars, rat, rut, rust, rail, ra, rata, risala, rit, ritual, rusa, ruta, rats, ruts, rituals, rails, ras, riata, last, lust, list, la, lair, lar, lariat, larus, list, Laura, li, liar, lias, lira, lis, lit, lairs, lariats, lats, lars, latria, liars, liras, it, is, I, its.

Heather Swann, "Ferndale," Wedderburn, N.S.W.—125 words (aged 14 years).

MIDDLE

Al, all, ails, air, airs, ait, alar, alias, aria, arias, aril, art, arts, as, astir, astral, ait, atlas, aura, aural, is, it, la, lair, lairs, lar, lariat, lariats, last, lat, Laura, li, liana, liar, liars, lias, lira, list, lit, lust, ra, rail, rails, ras, rat, rata, rial, rut, ruts, rusa, rust, sail, salt, sar, sari, sat, Saul, sault, silo, silt, sir, sit, slat, slit, slot, slur, slut, stair, star, stir, suint, suit, taal, tail, tails, talus, tar, tara, tarsia, tau, tiara, tiaras, tiro, trail, trails, trial, trials.

Dorothy Tuckfield, 10 Joffre Crescent, Kingsford, aged 11 years (89 words).

JUNIOR

Air, art, ail, ails, arts, airs, ait, as, Asia, a, altar, alias, alias, Ailsa, astral, astir, aural, aurist, Austral, A'stina, Austria, liar, liars, lairs, lair, lais, lariats, lariat, last, list, lust, lit, I, it, is, us, rut, rust, rat, rats, ritual, rail, rails, sail, sault, sit, sat, salt, sir, star, slit, slat, slur, slut, suit, sural, stir, talus, trial, trials, tar, ta, tail, tails, trail, trails, trait, us, ultra.

Jessie Criss, Doll's Point, aged 8 years (89 words).

Wireless Weekly, December 16, 1938

COUNTRY

Dec. 16 to Dec. 22

2AD, 265m., 1130kc., ARMIDALE

MORNING SESSION—7.0-9.0 (Mon. to Sat. Inc.)
Morning Hymn; Band Selections; News Service; Music; Listeners' Choice Session.

WOMEN'S SESSION—9.0-10.30 a.m. (Monday to Saturday)

Correspondence; Notes and Hints; Recipes; Music and Short Story.

MIDDAY SESSION—12.0-2.0 p.m. (Monday to Saturday Inclusive)
Programme Review; Midday Music.

EVENING SESSION—5.30-10.0
Busy Bees' Session; Dinner Music; Story; Birthday and Cheerio Calls; Feature; Dance Music; Comedy Interlude; News, Weather, and Markets; Slumber Music.

SUNDAY MORNING SESSION—10.45-12.30
Sacred Music; News Review; Divine Service.

SUNDAY EVENING SESSION—7.0-10.0
Overture; Light Classical Variety. 7.45: Sweethearts of Yesterday. 8.30: Memories of Edmund Breese. 8.45: Moon Over Africa. 9.0: Talks on Foreign Affairs. 9.15: Music and Vocalists. 10.0: Close.

FEATURES OF THE WEEK

World's Worst Journey—Mon., Wed., Fri., 7.0.
Barrack Room Ballads—Tues., Thurs., 7.0 p.m.
The Uralla Hour—Mon., 8.0 p.m.
Beau Geste—Tues and Thurs., 8.0 p.m.
2AD Amateur Half-hour—Fri., 8.30 p.m.
Coronets of England—Sun., 7.30 p.m.
The Guyra Session—Wed., 8.0 p.m.
Talks on Music—Terence Hunt—Thurs., 8.15.
John Ferguson Entertains—Fri., 8.0 p.m.
What's Yours—Sat., 8.0 p.m.
Sweethearts of Yesterday—Sun., 8.0 p.m.
In the Garden with Dorothy—Mon., 9.30 a.m.
Mothercraft Session—Tues., 9.0 a.m., The Country Women's Association—Tues., 9.15 a.m.
Your Home—Wed., 10 a.m.
Aids to Beauty—Thurs., 9.30 a.m.
Women of Other Countries—Thurs., 10.15 a.m.
A Man in the Public Eye—Fri., 10.15 a.m.
Travel Talk—Sat., 10.0 a.m.

2AY, 203m., 1480kc., ALBURY

MIDDAY SESSION—12.0-2.0

Popular Variety; Weather; News; Musical Box; Gay Rhythm. 2.0 p.m. Close.

EVENING SESSION—5.30-10.30

Children's Session; What's on the Air; Dinner Music; 2AY Sporting Service; Dance Rhythm; The Cup Reporters. Close.

SUNDAY MORNING SESSION—8.0-2.0

8.0: Melodies of the Dawn. 8.15: Music. 9.0: The Pageant of the Theatre. 9.30: Melodies. 10.0: Celebrity Parade. 10.30: Favorites of Yesterday. 11.0: Music. 11.30: Hits of the Moment. 12.0: Please Yourself Programme. 1.0: Bright Variety. 1.30: Music Lovers' Half-hour. 2.0: Close.

SUNDAY EVENING SESSION—7.0-10.30

7.0: Poet and Peasant Overture (von Suppe)—Boston Promenade Orchestra. 7.15: Famous French Artists. 7.30: Highlights from Some Famous Romberg Musical Plays. 7.45: The Hill Billy Boys. 8.0: Coronets of England. 8.30: Cavalcade of Empire. 10.15: Devotional Epilogue. 10.30: Close.

FEATURES OF THE WEEK

Coronets of England—Sun., 8.0 p.m.
Eb and Zeb—Mon., Tues., Wed., Thurs., 6.30.
Talking Drums—Mon., Tues., Wed., Thurs., 7.45.
Fred & Maggie—Mon., Tues., Wed., Thurs., 8.15.
In the Crimelight—Mon., Wed., Fri., 9.15 p.m.
Ace Williams—Mon., Thurs., 5.45 p.m.
House of Peter Macgregor—Mon., Wed., 8.45 p.m.; Fri., 7.15 p.m.
Sampson Piano Knaves—Tues., 8.10 p.m.
The Pick of the Week—Tues., Thurs., 7.0 p.m.
Favorites of Yesterday—Sun., 10.30 a.m.
The Pageant of the Theatre—Sun., 9.0 a.m.
2AY Sporting Service—Fri., Mon., Tues., Wed., Thurs., 7.30 p.m.; Sat., 7.0 p.m.
News Service—Daily except Sun., 12.15 p.m.
Old-time Dance—Sat. night, 8.30-12.0.
The Radiola Hour—Fri., 8.15 p.m.
The Keyboard Cocktail—Wed., 8.45 p.m.
The Screen World—Mon., 8.20 p.m.
Celebrity Parade—Sun., 10.0 a.m.
The Hill Billy Boys—Sun., 7.45 p.m.
Favorite Ballads—Fri., 6.45 p.m.
Music Lovers' Half-hour—Sun., 1.30 p.m.
The Muntiny of the Bounty—Wed., 7.0 p.m.
Punch and Judy—Tues., 12.30 p.m.
The Devotional Epilogue—Sun., 10.15 p.m.
The Charm of the Waltz—Tues., 9.30 p.m.
Musical Medley—Fri., 9.30 p.m.
English Composers—Tues., 10.0 p.m.
Alfred's Hawaiian Club—Wed., 8.0 p.m.
Fantasy; Cockney Impressions—Wed., 10.0 p.m.
Memories of Great Films—Thurs., 9.0 p.m.
Short Tschalkowsky Programme—Thurs., 10.0 p.m.
Cavalcade of Empire—Sun., 8.45 p.m.
Old English Airs—Sun., 8.30 p.m.
Italian Nights Medley—Sun., 9.15 p.m.
Famous Organists on Parade—Sun., 7.15 p.m.
Wizards of Piano-Accordeon—Fri., 10.0 p.m.
Songs of the Islands—Sat., 6.45 p.m.
Land of the Heather—Mon., 8.30 p.m.
Under the Jolly Roger—Fri., 7.45 p.m.

2BE, 201m., 1490kc., FAR S. COAST

MIDDAY SESSION—12.0-2.0

Bright and Cheery Luncheon Programme; Coming Events and Lucky Numbers, Programme Details, News, Reports, and Weather Forecast.

WOMEN'S SESSION—Mon., Thurs., 12.0-1.0.
Hints for the Home; Flower Exchange; Cookery Recipes; Musical Features; Interviews.

SUNDAY EVENING SESSION—6.30-10.0
Big-sister Joybell's Koola Club Capers. Teatime Tunes; Musical Features, etc., etc.

SUNDAY MORNING SESSION—8.0-10.0
Music; Listeners' Favorites from 8.30 until 10.0.

SUNDAY EVENING SESSION—6.30-10.0
6.30: Brass Band Recital. 6.45: Features for the Family. 7.30: Announcers' Choice.

8.15: Strings that Sing—and Lovely Lyrics. 9.0: Musical Comparisons. 9.30: Tranquility Music. 10.0: Close.

FEATURES OF THE WEEK

Hawaiian Fantasies—7.45, Tues., alt.
Pinto Pete in Arizona—6.15, Wed.
News of the District—6.30, Wed., Sat.
Brass Band Recital—6.30, Sun.
Sporting Service—6.45, Fri., 12.45, Sat., 6.45, Sat. Announcers' Choice—7.0, Sun.
What's on in the District, Lucky Numbers—7.15, except Sun.
Farmers' Session—7.30, Sat.
The Variety Half Hour—7.30, Thurs.
Wurlitzer Wizards—8.0, Mon.
News and Forecast—8.15, except Sun.
Harmony Hour—8.30, Sat.
Musical Contrasts—8.40, Wed.
Your Choice—9.30, except Sat., Sun.
Tea Time Tunes—Mon., Wed., Fri., Sat., 6.0; Tues., Thurs., 6.30.
What's on the Air?—Mon., Sat., 1.10, 7.15.
Variety Dance Programme—Fri., 7.30.
Two Favorite Stars—Mon., Tues., Wed., Thurs., Fri., 8.45; Wed., 7.45; Sun., 8.15.
Dance Hour—Sat., 9.30.
Announcers' Choice—Sun., 7.0.
Rambling Pianist—Alt. Sun., 9.0.
Melodies that Linger—Sun., 9.30.
Parade of Pianists—Mon., 7.30.
Some of Your Favorite Songs—Tues., 8.0.
Dad and Dave—Mon., Tues., Wed., Thurs., 7.15 p.m.

2BH, 349m., 860kc., BROKEN HILL

MORNING SESSION—7.0-9.0

Melodies; News; Variety Music; Close.

MIDDAY SESSION—12.0-2.0

Musical Selections; Happiness Session; Close.

EVENING SESSION—5.0-10.30

Smilers' Session; Early Evening Variety;

Dinner Music; Song Memories; Stocks and News; Melody and Song; News; Music; Close.

SUNDAY MORNING SESSION—10.0-1.0

Musical Moments; Hawaiian Melodies; Old-timers' Session; Close.

SUNDAY EVENING SESSION—6.0-10.0

Religious Service from the Studio; Special Dinner Musicale; Star Comedy Entertainer;

Critical Moments; True Life Tales; Mo. Aus. Prime Minister of Mirth; Mirth Parade; News;

Melody and Song; Meditation Music; Close.

FEATURES OF THE WEEK

Mo. Australia's Prime Minister of Mirth—Sun., 7.45 p.m.; Wed., 7.15 p.m.

The Randall Family—Mon., Thurs., 7.0 p.m.

Dad and Dave—Mon., Tues., Wed., Thurs., 7.15.

House of Peter MacGregor—Mon., Wed., 8.45.

Robinson Crusoe—Tues., 7.32; Thurs., 8.15 p.m.

Fourth Form at St. Percy's—Thurs., 7.30 p.m.

Eric Coates's Compositions—Wed., 8.30 p.m.

2BS, 200m., 1500kc., BATHURST

MORNING SESSION—7.30-9.0

Band, Local and Overseas News Service, Breakfast Brightlight, Close.

MIDDAY SESSION—12.0-2.0

Man on the Land Session, News Service, Everybody's Favorites, Luncheon Music, Close.

EVENING SESSION—7.45-10.0

2BS Children's Session, Twilight Music, Hits of the Day, Radio Rhythm, Music Lovers' Session, Dance Time, Close.

SUNDAY EVENING SESSION—6.0-10.0

Radio Sunday School and Hospital Session, Hongkong Mystery, Latest Releases, Sporting Results and Commentary, Hits of To-day, Hollywood Casting Office, Music of the Band, I Cover the World, Musical Comedy Land, Concert Programme, Local Artists in the Studio, The Legion of Christian Youth Movement, Fifteen Minutes at the Wurlitzer.

FEATURES OF THE WEEK

Race Results—Wed. and Sat., 7.0 p.m.

World in Review—Sat., 8.0 p.m.

Hongkong Mystery—M. T. W. T. Sun., 6.30 p.m.

Sporting Results and Commentary—Sun., 7.30

I Cover the World—Sun., 8.30 p.m.

Music of the Band—Sun., 8.15 p.m.

The Legion of Christian Youth Movement—Sun., 9.30 p.m.

Inspector Scott—Mon. and Wed., 6.50 p.m.

Miss Nita Rosslyn, "Lady in Red," entertains—Tues. and Thurs., 9.0 p.m.

Radio Pasacons—Mon. and Wed., 9.0 p.m.; Tues. and Thurs., 12.45 p.m.

The Muntiny of the Bounty—6.50 p.m.

In Riley's Woolshed—Tues., 8.15 p.m.
The In-laws—Thurs., 6.45 p.m.
Fifteen Minutes at the Wurlitzer—Sun., 9.45
Songs of the Prairie—Mon., 8.0 p.m.
Militia Notes—Fri., 8.45 p.m.
News—Daily, 7.45 a.m. and 12.15 p.m.
Popular Celebrities—Thurs., 8.15 p.m.
The Rhythm of Swing—Thurs., 8.45 p.m.
Listeners' Choice Programmes—Daily 1.0 p.m.
Radio Sunday School and Hospital Session—Sun., 6.0 p.m.
Mama Bloom's Brood—Mon. and Wed., 6.0
Travel Talks of Central America, by Young Americans—Sat., 7.30 p.m.
Famous Funsters—Fri., 7.30 p.m.
Hollywood Casting Office—Sun., 8.0 p.m.
Radio Potpourri—Sat., 8.30 p.m.
Melodies Through the Years—Sat., 9.30 p.m.
Westore Melodies—Tues. and Thurs., 8.15 p.m.
Spotlight on Dance Bands—Fri., 9.0 p.m.

2DU, 455m., 660kc., CEN. WESTERN

MORNING SESSION—7.30-9.0 (Monday to Saturday Inclusive)

Wake-up Session; Brighter Breakfast Hits; In Meditative Mood.

WOMEN'S SESSION—11.0-12.0

Wagon Wheels Session.

MIDDAY SESSION—12.0-2.0

Overseas and Local News; Music.

EVENING SESSION—5.30-10.0

Kiddies' Kabaret; Dinner Music; Random

Roomings; Music Lovers' Half-hour; Tunes of

To-day; Radio Dance Rhythm.

SUNDAY MORNING SESSION—8.0-9.30

Man on the Land, 8.0 a.m.; Radio Requests, 8.30 a.m.; Special Requests, 9.30 a.m.; Music.

SUNDAY AFTERNOON SESSION—12.0-2.0

Orchestral and Choral; Luncheon Interlude; Close.

SUNDAY EVENING SESSION—6.0-10.0

Dinner Music; Radio Advent Church; Hymns;

Yours and Your Neighbors; Around the Band-

stand; Week-end Sporting Resume; Organ

Echoes; Musical Travel Talk; Classical

Moments; Close.

FEATURES OF THE WEEK

Travel Talk—Tues., 11.45 a.m.

Short Story—Wed., 11.45 a.m.

Far West Session—Thurs., 11.30 a.m.

C.W.A. Session—Fri., 11.30 a.m.

Westward Ho!—Mon. to Fri., 7.35 p.m.

With the Hill Billies—Wed. and Fri., 8.15 p.m.

Musical Lovers' Half-hour—Tues., Thurs., and

Fri., 8.30 p.m.

Darby and Joan—Fri., 8.0 p.m.

Piano Pickings—Wed., 8.45 p.m.

Hawaiian Echoes—Tues., 8.15 p.m.

Pick of Week's Records—Thurs., 8.0 p.m.

Radio News Editor—Thurs., 8.15 p.m.

Gilgandra Half-hour—Fri., 8.30 p.m.

TH-bits from Talkies—Tues., Thurs., 7.0 p.m.

Mirth and Melody—Tues. and Fri., 9.0 p.m.

News—Tues., Thurs., Fri., 7.50 p.m.; Sat.,

8.0 a.m.

Classical Moments—Sun., 9.20 p.m.

2GF, 248m., 1210kc., CEN. N. COAST

MORNING SESSION—7.30-8.30

Wake up and Sing; Rhythm; Wynall Wander-

ings; Music; Brighter Breakfast Broadcast.

MIDDAY SESSION—12.0-2.0

Overture; The Storyteller; Brother Bill and

the K.O.S. Club; Radio Newsrec; Maclean Pro-

gramme; Coursing; Music; Militia Session.

EVENING SESSION—5.30-10.30

Children's Sessions; Birthday Session; Dinner

Music; Studio Presentations; Dramatic Pro-

ductions; Dance Music, Old and New; Musical

Features; Competition Corner; Comedy Sessions.

SUNDAY MIDDAY SESSION—12.0-2.0

Music; Farmer's Choice and Please Yourself.

SUNDAY EVENING SESSION—7.0-10.0

In Foreign Lands. 7.30: Featurette. 7.45:

Waltz Times. 8.15: With a Smile and a Song.

8.30: The Life of Cleopatra. 8.45: Modern Day

Music. 9.15: A Musical Highlight. 9.30: Weekly

Epilogue. 9.57: The Lord's Prayer. 10.0: Close.

FEATURES OF THE WEEK

The Life of Cleopatra—Sun., Wed., 8.30 p.m.

In Foreign Lands—Sun., 7.15 p.m.

The K.O.S. Club—Mon., 1.15 p.m.

The Storyteller—Mon., Wed., Fri., 12.45 p.m.

Birthday Half Hour—Mon. to Sat., 6.0 p.m.

Fred and Maggie—Mon. to Thurs., 7.0 p.m.

Muntiny of the Bounty—Mon., 7.30 p.m.

House of Peter MacGregor—Mon., Wed., Fri., 8.0.

Five Minute Drama—Mon., Thurs., 7.45 p.m.

Coronets of England—Tues., 7.15 p.m.

Ace Williams—Tues., Thurs., 8.15 p.m.

Sporting Session—Wed., Sat., 7.15 p.m.

To-night at 7.30—Wed., 7.30 p.m.

Talking Drums—Tues., Wed., Thurs., Fri., 5.45.

Scouting Session—Fri., 7.0 p.m.

Church News—Fri., 7.30 p.m.

Church in a Sentimental Mood—Fri., 10.5 p.m.

Old Time Dance Music—Sat., 8.30 p.m.

2GN, 216m., 1390kc., GOULBURN

MORNING SESSION—7.0-9.0

Opening March; Tunes from the Talkies;

Latest Song Hits; Gems from Musical Comedy;

Mother's Choice Programme.

WOMEN'S SESSION—10.30 a.m.-12.15 p.m.

Harmony in the Home Club News; Garden-

ing Talks; Entertainment by Members; Travel

Talks; Film News; History of Hairdressing;

Interior Decorating; Recipes and Music;

Riddles and Rhythm.

MIDDAY SESSION—12.15-1.45

School Marching Music; Free Theatre

COUNTRY PROGRAMMES

Ticket; Preview of Evening News; Weather Report; Bright Music.

EVENING SESSION—5.30-10.30
Children's Community Singing and Serial story; Dinner Music; Comedy; Screen News; Dramatic Presentations; Musical Features; Dance Melodies; Listeners' Choice.

SUNDAY MORNING SESSION—10.45-1.0
Services from Local Churches or Programme for the Lovers of Good Melody; Light Orchestras; Melodies for Man.

SUNDAY EVENING SESSION—7.0-10.0
7.5: Weekly Competition. 7.30: Selected Musical Presentation. 7.45: Screen News and Music. 8.0: Listeners' Choice Programme. 8.45: Screen News. 9.0: Coronets of England. 9.30: St. Saviour's Cathedral News. 9.45: Musical Reverie. 10.0: Close.

FEATURES OF THE WEEK
Coronets of England—Sun, 9.0 p.m.
Me—Tues, and Thurs., 7.30 p.m.
Talking Drums—Mon., Tues., Thurs., Fri., 8.30.
House of Peter MacGregor—Mon., Wed., Fri., 7.45 p.m.

Mr. and Mrs. Everybody—Tues., Wed., 8.0 p.m.
One Man's Family—Tues., 7.30 p.m.
In the Crimelight—Mon., Tues., Fri., 9.0 p.m.
Eb and Zeb—Tues., Wed., Thurs., Fri., 6.20 p.m.
Ace Williams—Thurs., Sat., 9.0 p.m.
Listeners' Choice—Tues., Wed., Thurs., 10.0 p.m.

2GZ, 303m., 990kc., CENT. N.S.W.

MORNING SESSION—6.30-12.50
Music; News and Weather; Music; Country Service Club. 10.0 to 11.0: Close. Hospital Session; Music; Talk; Markets.

AFTERNOON SESSION—1.15-5.55
Weather; Music; News. 2.0 to 2.30: Close. Music; Children's Session; With Empire Flags.

EVENING SESSION—6.0-11.0
Dinner Music; Wool and Weather Reports; Music As You Like It; Market Reports; Music.

SUNDAY MORNING SESSION—9.0-12.30
9.0: On the March. 9.15: Sporting Results. 9.45: Do You Remember? 10.0: Organ Fantasy. 10.30: Donald Day's Home Community Singing. 11.30: Ballads We Love. 11.45: Popular Items. 12.15: Waltz with Strauss. 12.30: My Favorite Number.

SUNDAY AFTERNOON SESSION—1.0-5.45
1.0: The Grenfell Half Hour. 1.30: Music for Everybody. 2.0: Musical Fancies. 3.0: The Musical Surprise. 3.30: Band Recital. 4.0: Heart Songs. 4.15: Orchestral Interlude. 4.30: Thrills from Great Operas. 4.45: Music. 5.30: The Destiny of the British Empire—Mr. A. G. Eastman. 5.45: The Hawaiian Club.

SUNDAY EVENING SESSION—6.0-10.30
6.15: Hymns of all Churches. 6.30: Music. 7.0: Half-hour Play by Geo. Edwards. 7.30: Time Marches On. 7.50: Music. 8.0: Famous Escapes. 8.15: The Major Entertains. 8.45: The London Players—Shame the Devil. 9.0: Your Music and Mine. 9.15: Music. 10.0: International News Commentary by Mr. Edward Masey. 10.15: Music. 10.30: Close.

FEATURES OF THE WEEK
Hobbies and Scouts' Session—Fri., 6.0 p.m.
Graziers' Association—Fri. and Wed., 7.35 p.m.
The Buccaneers—Fri., Mon., 7.45 p.m.
Mr. and Mrs. Everybody—Fri., Tues., 8.0 p.m.
Mittens—Fri., Tues., 8.45 p.m.
Personal Column—Sat., 8.0 p.m.
Radio Dance Night—Sat., 10.0 p.m.
Description of Wrestling from Leichhardt Stadium—Sat., 9.15 p.m.
Sporting Resume—Sat., 7.0 p.m.
David and Dawn—Mon., Tues., Wed., Thurs., 6.0 p.m.

Dad and Dave—Fri., 8.15 a.m.; Mon., 7.15 p.m.; Tues., Wed., Thurs., 8.15 a.m. and 7.15 p.m.
The Happy Maids—Mon. and Wed., 6.16 p.m.
Hollywood Dick—Mon., 8.15 p.m.
Mr. Pooley Chats at the Club—Mon., 8.45 p.m.
The Rich Uncle from Fiji—Tues., Wed., and Thurs., 8.20 p.m.
Produce Report, Rabbit Skins, Waratah Pig and Calf Sales—Wed., 8.35 p.m.
Howie Wing—Saga of Aviation—Tues., Wed., Thurs., 6.45 p.m.

2HD, 263m., 1140kc., NEWCASTLE

MORNING SESSION—6.0-12.0
Chimes; Getting-up Music. 6.25: News. 7.0: Breakfast Melodies and News. 7.30: Popular Melodies. 8.0: Topical Chorus and Children's Session. 9.20: News of the Day. 9.30: Cheer to the Sick. 11.0: Serial. 12.0: Wireless Wags.

AFTERNOON SESSION—12.0-5.45
Afternoon Musicals. 5.15: Hobbies. 5.30: Children's Session. 5.45: Recorded Lecture.

EVENING SESSION—6.0-11.0
Dinner Music. 10.0: News; Dance Music and Laughter. 11.0: Close.

SATURDAY AFTERNOON SESSION—1.0-6.0
Description of Sydney and Melbourne Races. Interspersed with bright recorded music. 5.15: Hobbies. 5.25: Tiny Tots' Time. 5.30: Puzzle Corner. 5.40: Radio School. 6.0: News from Three Theatres. 6.1: Motor Cycle Races.

SUNDAY MORNING SESSION—8.0-12.30
8.0: Hour with the Moderns. 8.30: Music. News. Sporting. 9.30: Happiness Hour—Cheerios to the Sick. 10.15: Recorded Lecture. 11.0: Choral Session. 12.30: Tonic Tunes.

SUNDAY AFTERNOON SESSION—1.0-5.50
1.0: Singing Competition. 1.30: Popular Melo-

dies. 3.0: Recorded Reading. 4.0: Music. 5.0: Children's Session. 5.15: Children's Story. 5.30: Competition. 5.50: Woggle Caravan.

SUNDAY EVENING SESSION—6.0-12.0
6.0: These Names Make News. 6.15: Recorded Lecture. 6.30: Health and Happiness. 6.45: Magic Island. 7.30: Cavalcade of Music. 8.15: Request Session. 8.35: How the Other Half Lives. 8.45: The Double Event. 9.0: Mr. and Mrs. Everybody. 9.15: Vocal Varieties. 9.45: Fireside Evening. 10.15: Music Lovers' Time. 11.0: Organ Ballads. 11.40: Recorded Lecture. 12.0: Close.

FEATURES OF THE WEEK
Happiness Concert at the Club Ballroom—Fri., 12.0 noon.
Motor Cycle Races from Broadmeadow Speedway—Alt. Sat., 9.0 p.m.
Father Christmas Visit—Tues., Thurs., and Sat., 5.15 p.m.

Magic Island—Sun, Mon., Tues., 6.45 p.m.
Robinson Crusoe—Mon., Tues., Wed., 6.30.
Mrs. Arris and Mrs. Iggs—Mon., Tues., Wed., Thurs., 7.20 p.m.
Rich Uncle from Fiji—Mon., Tues., Wed., Thurs., 8.0 p.m.
How the Other Half Lives—Mon., Tues., Wed., Sun., 8.35 p.m.
Houses in Our Street—Tues., Thurs., 9.0.
Woggle Caravan—Sun, Wed., 5.50 p.m.
Robin Hood—Tues., Wed., Thurs., 6.15 p.m.
Coronets of England—Wed., 7.30 p.m.
The Wireless Wags—Fri., Mon., Tues., Wed., Thurs., 12.0 noon.

Double Event—Thurs., 7.30 p.m.
Organ Request Session—Mon., 7.30 p.m.
Carson Robison and his Buckaroos—Thurs., 7.0.
Henry Hardcastle Learns How—Thurs., 8.30 p.m.

2HR, 441m., 680kc., NEWCASTLE

MORNING SESSION—7.0-9.0
Morning Hymn and Thought. 7.15: Ozark Minstrels (Mon., Tues., Fri.). 7.30: Screeching Bird (Thurs., Fri., Sat.). 8.0: Rhapsody in Rhythm (Wed., Thurs., Sat.). 8.15: Melody Moments. 9.0: Close.

WOMEN'S SESSION—10.30-12.0
10.45: Invalid Session. 11.0: Nothing Ever Happens (Tues., Fri.). 11.10: News, Hints, and Music for the Womenfolk. 11.45: Astrological Session. 12.0: Close.

LUNCHEON SESSION—12.0-1.30
Luncheon Programme from Cessnock Studio, with Reg Kelly. 12.45: Swamp Caesar (Tues., Fri.). Hollywood News; Official Weather Report. 1.30: Close.

SATURDAY AFTERNOON SESSION—12.0-6.0
Luncheon Programme. 1.0: Complete Description of All Events at Sydney and Melbourne Race Meetings, interspersed with Bright Music, and Relayed from 2UE. 1.30: Official Weather. 1.31: Race Description continued.

EVENING SESSION—5.30-10.15
Club Session. 5.30-6.30 (Mon., Tues., Wed., Thurs., and till 7.0 on Fri.). 6.0: Weather. 6.15: Terry and Ted (Mon. to Thurs. incl.). 7.45: Proverbially Speaking (Mon., Wed.). 8.30: Such Is Life (Wed., Fri.). 8.45: Nelson of Trafalgar (Mon., Wed.). Old Time Dance Programme. 9.25: Song Shop (Tues.). 2GB News Review. Maitland Greyhound Results (Wed., 9.0). 9.0: Rhythm (Mon., Tues., Thurs.).

SATURDAY EVENING SESSION—6.0-11.0
6.0: Weather. 6.1: Dinner Music. 7.0: Race Resume. 7.15: Tuneful Tibbits. 7.30: Description of Harold Park Race Meeting, interspersed with Music. Complete Coverage of All Greyhound Race Meetings in the Hunter Valley. 10.0: 2GB News Review. 10.15: Greyhound Race Resume. 10.30: Dance Programme. 11.0: Close.

SUNDAY EVENING SESSION—5.30-10.30
Musical Recital. 6.0: Hunter Valley Second Advent Radio Church. 6.30: Highlights of Local Talent. 7.30: 2HR Radio Club's Studio Concert. 7.45: Wings Over the World. 8.15: Knights of the Round Table. 8.30: Top Hat Tavern. 9.15: Easy Chair. 9.30: Evensong. 10.30: Close.

FEATURES OF THE WEEK
Turf and Greyhound Preview by Jack O'Brien—Fri., 7.15 p.m.

Nelson of Trafalgar—Mon., Wed., 8.45 p.m.
Terry and Ted—Mon. to Thurs. incl., 6.15 p.m.
Proverbially Speaking—Mon., Wed., 7.45 p.m.
Such Is Life—Wed., Fri., 8.30 p.m.
Stamp Pals—Tues., Fri., 9.30 p.m.
Wings Over the World—Sun., 7.45 p.m.
Ozark Minstrels—Mon., Tues., Fri., 7.15 a.m.
Nothing Ever Happens—Tues., Fri., 11.0 a.m.
Rhapsody in Rhythm—Wed., Thurs., Sat., 8.0 a.m.; Mon., Tues., Thurs., 9.0 p.m.
Swamp Caesar—Tues., Fri., 12.45 p.m.
Screeching Bird—Thurs., Fri., Sat., 7.30 a.m.

2KA, 385m., 780kc., KATOOMBA

MORNING SESSION—7.15-9.0
The Early Bird; News Service; Morning Melody and Mirth; Brightness All the Way.

WOMEN'S SESSION—9.0-12.0
Radio Service Club; Morning Story; Mr. Information.

MIDDAY SESSION—12.0-2.0
Serial Story; Listeners' Choice; Music.

EVENING SESSION—6.0-11.0
Children's Session; News Service; World Orchestras; Dad and Dave; It's a Fact; How the Other Half Lives; Fred and Maggie Everybody; "Mittens"; 2GB News Review.

SUNDAY MORNING SESSION—8.30-12.0
Organ Reveries; Bright and Popular Music; Cozy Corner; Do you Know This One? Comedy Interlude; Radio Variety; Gems from Opera.

SUNDAY AFTERNOON SESSION—12.0-6.0
Midday Melody Parade; Feet First; Lovely Lady; Orchestral Recital; Favorite Singers; Shadows in Rhythm; To Make You Laugh; Instrumental Music.

SUNDAY EVENING SESSION—6.0-11.0
Musical Comedy Memories; Radio Rhythm with Vic Sylvester; "Mittens"; Famous Escapes; Famous Australians; 2KA Radio Players; Hall of Memory; Musical Favorites.

FEATURES OF THE WEEK
John and Ann Take Tea—Fri., 11.15 a.m.
The Bunk House—Tues., Thurs., Sat., 8.0 a.m.
Racing Descriptions—Wed., Sat., 12.0 noon.
Mittens—Mon. to Thurs., 8.30 p.m.; Sat., Sun., 7.0 p.m.
Dog Racing from Harold Park—Sat., 7.30 p.m.
Special Dance Programme—Sat., 10.30 p.m.
World Orchestras—Mon. to Sun. inc., 7.15 p.m.
Famous Escapes—Sun., 7.30 p.m.
Fred and Maggie—Mon. to Thurs., 8.0 p.m.
Tallwaggers' Session—Mon., 9.45 a.m.
2KA Players—Sun., 8.30 p.m.
Dad and Dave—Mon. to Thurs., 7.0 p.m.
How the Other Half Lives—Mon. to Thurs., 7.30.
Feet First—Sun., 1.30 p.m.
Lovely Lady—Sun., 1.0 p.m.
It's a Fact—Mon., Wed., Thurs., 6.50 p.m.
The Groucher—Wed., 7.45 p.m.
Destiny of the British Empire—Tues., 11.0 a.m.
The Consulting Room—Wed., 11.0 a.m.
The Skin Specialist—Thurs., 9.20 p.m.
Show of Shows—Sun., 8.0 p.m.

2KM, 306m., 980kc., KEMPSEY

MORNING SESSION—7.30-9.0
March Music; Breakfast Brightness; News; Famous Singer is Featured; Morning Music.

EVENING SESSION—6.0-10.30
Gumnuts' Session, with Val and Kay; Musical Cocktail; Rhythm as You Like It; Stars of Song; Musical Features; Fun for All; Dancing Rhythm; Slumber Music.

SUNDAY MORNING SESSION—10.0-2.0
Sacred Interlude; Orchestral Gems; Variety Interlude; Listeners' Choice; Luncheon Music; Interlude of Song; Orchestral Finale.

SUNDAY EVENING SESSION—6.0-10.0
Overture; Moments of Melody; Songs We Love; Musical Comedy Gems; Hall of Song; Hawaiian Fantasies; Orchestral Ramblings; Mittens; Famous Vocalists; Stan Miller and his Orchestra; Organ Reveries.

FEATURES OF THE WEEK
Mittens—Sun. and Wed., 8.0 p.m.
Knights of the Round Table—Mon. and Thurs., 7.30 p.m.

Rejput—Wed., 7.0 p.m.
Hawaiian Fantasies—Sun., 7.30 p.m.
Stan Miller and his Orchestra—Sun., 8.30 p.m.
Old-timers' Session—Thurs., 9 p.m.
Gumnut Club Concert—Sat., 6.0 p.m.
Resume of Sporting Events—Sat., 7.0 p.m.
Radio Dance Night—Sat., 8.30 p.m.
Celebrity Concert—Mon., 8.10 p.m.
Round the Camp Fire—Tues., 8.45 p.m.
Coronets of England—Sun., 8.30 p.m.
Agricultural Talk—The Man on the Land—Wed., 7.30 p.m.
Listeners' Choice—What's Yours?—Sun., 11 a.m.
Organ Melodies—Sun., 9.30 p.m.

2KO, 213m., 1410kc., NEWCASTLE

MORNING SESSION—7.0-9.30
The Early Bird; Shipping; Weather; News; Shopping Guide. When My Heart Says Sing—8.0 Mon., Wed., Fri. Hymns of All Churches—8.45 Tues., Thurs. The Medicine Man—9.0 Mon., Wed., 9.45 Tues., Thurs.

WOMEN'S SESSION—9.0-12.30
News. 9.45: Serial. 10.0: Gran's Session—10.15 Mon.; Recipes, 10.30 Mon.; Radio Correspondence Club, 10.45: One Girl in a Million—10.48 Mon., Wed., Fri. Mum's the Word—11.0 Mon., Mon., Wed., Fri. Under the Baton—11.10 Mon., Tues. Ordinary Woman's Diary—12.0 Mon. Cheerio Club—10.45 Tues., Thurs. Rhythm and Riddles—10.30 Tues., Thurs. Songs of Yesteryear—10.48 Tues., Thurs. Health Talk by Harley Duncan—11.30 Tues., Wed., Thurs. Letter from London—11.45 Tues. Wake-up and Live—10.30 Wed. Feature Letter—12.0 Wed., Thurs.

MIDDAY SESSION—12.30-2.0
Luncheon Session. From the Newcastle Rotary Club—1.30 Mon., Tues., 1.30 Tues. From the Newcastle Business Men's Club—1.30 Wed.

AFTERNOON SESSION—2.0-4.0
Serial—2.0 Mon., Tues., Wed., Thurs. Armchair Chat—2.45 Mon., Tues., Wed., Thurs. Ballad Music—2.30 Mon., Tues., Wed., Thurs. Tom King at the Piano—3.0 Tues., Thurs. Bridge Talk—3.30 Tues. Carson Robison and his Pioneers—4.0 Sat. Radio Cafeteria—2.30 Sat.

EVENING SESSION—5.0-10.30
Early Evening Programme; Feature Programme; Music. 10.30: Close.

SUNDAY MORNING SESSION—9.0-12.0
Quiet Hour, conducted by Uncle Peter—9.0. Hymns of All Churches—10.15.

SUNDAY AFTERNOON SESSION—2.0-4.0
Everyman's Music—1.0. Organ Parade—2.0. Songs and Music from Other Lands—2.15. Cocosnut Grove Dance Orchestra—2.45. Hollywood Casting Office—3.0. Light Orchestras—3.15. Let's Chat While—3.30. In Lighter Vein—3.45. 4.0: Close.

SUNDAY EVENING SESSION—6.0-10.30
Music, John Hallfax, Gentleman—8.30. Talking Drums—6.45. I Want a Divorce—7.0. We

COUNTRY PROGRAMMES

2PK, 214m., 1400kc., PARKES

MORNING SESSION—7.0-9.0 a.m.
Band music; Train information, News Service with wheat price, weather and markets; Bright Music; Mothers' Music Session.

MIDDAY SESSION—11.30-2.0 p.m.
Bright Music; Women's Session and Short Story; Repeat of previous evening's Dad and Dave; News Service, etc.; Selected Music.

EVENING SESSION—5.30-10.0
Children's Session; Dinner Music; Talkie Time; News, etc.; Varied Musical Sessions, both Transcriptions and Recordings; Dramatic Productions; Studio Artists; Meditation Music; Good Night Thought.

SUNDAY MORNING SESSION—8.45-12.0
Listeners' Choice Programmes; Serial; Race and Coursing Results; Listeners' Programmes; News, etc.

SUNDAY EVENING SESSION—5.30-10.0
Orchestral Music; Wings of the Dragon; Varied Musical Sessions; Sporting Results; Past and Present Kings of the Ring; Old Time Songs and Melodies. Close.

FEATURES OF THE WEEK
Daisy and Danny—Wed. and Fri., 8 a.m.
Wings of the Dragon—Tues., Thurs., and Sun., 6.45 p.m.

Ace Williams—Fri., 7.30 p.m.; Sun., 9.45 p.m.
Dad and Dave—Mon., 10 Thurs., 7.15 p.m.; Repeat Tues. to Fri., 12.45 p.m.

Joe and Cynthia—Tues. and Fri., 7.0 p.m.
Fourth Form of St. Percy's—Fri., 6.40 p.m.
Mistery of the Bounty—Fri., 7.15 p.m.

Coronets of England—Wed., 8.30 p.m.
Man on the Land—Thurs., 8.45 p.m.
Junior Farmers' Session—Wed., 7.15 a.m.

Greyhound Racing Session—Wed., 7.0 p.m.
Listeners' Request Programme—Tues., 7.30 p.m.

2QN, 208m., 1440kc., DENILQUIN

MIDDAY SESSION—12.0-3.30 p.m.
Midday Melodies; Waltz Time; News and Music; Popular Varieties; Women's Session, conducted by Terry Blakeney, 3.30. Close.

EVENING SESSION—6.0-10.30 p.m.
Children's Session, with Auntie Terry; Melody Brightness; Radio Rhythm; News and Music; Swing Again, 10.30. Close.

SUNDAY MORNING SESSION—10.0-2.0
10.0. Choose Your Own Session, 12.45. Theatre of Famous Stars, 1.15. Mo. 2.0. Close.

SUNDAY EVENING SESSION—6.0-10.0
6.0. Children's Session, with Auntie Terry, 7.0. Church Service, 8.0. Evening Melodies, 8.30. World Famous Tenors, 8.45. Musical Comedy, 9.0. Knights of the Console, 9.45. Meditation Music, 10.0. Close.

FEATURES OF THE WEEK
Old Time Dance Music—Sat., 8.45 p.m.
Swing Time—Sat., 9.45 to 11.0 p.m.
Answers to the Voice of Cressy St.—Mon., 7.0.

Variety Pie—Tues., 7.30 p.m.
Sporting, conducted by Bob Donovan, 7.0 p.m.

2RG, 280m., 1070kc., GRIFFITH

EVENING SESSION—6.0-10.30
6.0. Dinner Music, 6.45. Musical Features, 7.25. Sales, 7.30. Yanco Session, 8.30. Hits from the Shows of Yesterday, 9.0. Riverina Radio Reporter's News Service, 9.15. What's On in the District, 9.45-10.15. Old-time Dance Session, 10.30. Close.

SUNDAY MORNING SESSION—9.0-12.0
9.0. Borellan Hour, 10.30. Your Selections, 11.30. Whitton Session.

SUNDAY AFTERNOON SESSION—12.0-2.0
12.0. Leeton Hour, 1.0. Narrandera Hour.

SUNDAY EVENING SESSION—5.0-10.0
5.0. Half-hour Italian Music, 5.30. Music Lovers' Potpourri, 6.45. Musical Gems, 7.0. Hillston Session, 7.45. Sales, 8.15. The Adventures of Robin Hood, 8.45. Do You Know Your Artists? 9.0. It Happened To-day in Sport, 9.20. What's On in the District, 9.45. Dreamland, 10.0. Close.

FEATURES OF THE WEEK
Music Lovers' Potpourri—Sun., 5.30 p.m.
Adventures of Robin Hood—Sun., 8.15 p.m.
Do You Know Your Artists?—Sun., 8.45 p.m.

It Happened To-day in Sport—Sun., 9.0 p.m.
Riverina Radio Reporter's News Service—Mon., to Sat., 9.0 p.m.

Shows of Yesterday—Mon., 8.30 p.m.
Old-time Dance Session—Mon., 9.45 p.m.
Songs of Yesterday—Tues., 7.40 p.m.

Plane Time Melodies—Tues., 8.0 p.m.
Sports Session—Wed., 6.45 p.m.
Man On The Land—Wed., 7.35 p.m.

Down Memory Lane—Wed., 8.0 p.m.
Radio Head Livers—Thurs., 7.0 p.m.
Symphony Orchestras—Thurs., 8.0 p.m.

Organ Recital—Thurs., 8.45 p.m.
Echoes of Sport—Fri., 7.15 p.m.
Popular Songs by Popular Artists—Fri., 7.40

Artists on Parade—Sat., 8.0 p.m.
Tonic Tunes from the Medicine Chest of Syn-
copation—Sat., 9.15 p.m.

2TM, 231m., 1300kc., NORTH N.S.W.

MORNING SESSION—6.0-9.30
Breakfast Session, by Kenneth Moginie; Kookaburras; Match; Weather; News; Wheat Waving; Market; Coming Auctions Music; Top of the Morning; Weather; News; Music.

WOMEN'S SESSION—9.30-12.0
Women's Session by Mrs. Penny; Morning

Hymn; Correspondence; Concert Programme; Radio Recipe Session; Feature Programme; Morning Story.

MIDDAY SESSION—12.0-2.0
Music; Songs of the Prairie; Music; Personalities on Parade; Music.

AFTERNOON SESSION—2.0-6.0
Music; John Whitmore reads a Story; Afternoon Tea Session; Music; What's on; Radio News Magazine; Possum Club Session.

EVENING SESSION—6.0-11.0
Dinner Music; Feature Programme; Music; Feature Programme; Listener-arranged Programme. Close.

SUNDAY MORNING SESSION—8.0-12.0
Music; Soliloquy; Music; Listener-arranged Programme.

SUNDAY AFTERNOON SESSION—12.0-2.0
Music; Story; Station Feature; Famous Vocalists; Music.

SUNDAY EVENING SESSION—6.0-11.0
Music; I Want a Divorce; Music; Something Different; John Halifax, Gentleman; Viaticum, conducted by Ven. Archdeacon North Ash; Soft Lights and Sweet Music. Close.

FEATURES OF THE WEEK
News—Mon. to Sat., 6.5 a.m. and 8.0 a.m.
Market Reports—Mon. to Sat., 6.45 a.m.

Everybody's Favorites—Mon. to Sat., 7.0 a.m.
Bert Jacobb at the Piano—Mon., Wed., Sat., 7.30 a.m.

Hollywood Casting Office—Tues., 7.30 a.m.
Happiness Ahead—Mon. to Sat., 8.15 a.m.
Soliloquy—Sun., 8.30 a.m.

Songs for Mother—Mon. to Fri., 8.45 a.m.
Listener-arranged Programme—Mon. to Fri., 10.0 p.m.; Sun., 9.0 a.m.

Lady About Town—Tues., Wed., 9.45 a.m.
Women's Correspondence—Mon. to Sat., 10.0 a.m.
Riddles and Rhythm—Tues. and Thurs., 10.15 a.m.

Radio Recipe Session—Mon., Wed., Fri., 10.30 a.m.
Frank and Archie—Tues., Thurs., 11.0 a.m.
Garden Talk—Wed., 10.15 a.m.

Mamma Bloom's Brood—Mon., Wed., 11.0 a.m.
Aces High—Thurs., 11.15 a.m.
Morning Story—Mon. to Sat., 11.30 a.m.

Mothercraft Session—Mon., 11.30 a.m.
Personalities on Parade—Mon. to Fri., 1.30 p.m.
Piano Classics—Sun., 2.0 p.m.

Women's Radio Club—Fri., 3.0 p.m.
Celebrity Recital—Mon. to Fri., 4.10 p.m.
Afternoon Story—Mon. to Fri., 2.30 p.m.; Sun., 4.15 p.m.

Band Concert—Sun., 3.0 p.m.
Country Women's Association—Wed., 4.0 p.m.
Possum Club Session—Mon. to Fri., 5.0 p.m.

Dinner Music—Mon. to Sun., 6.0 p.m.
Howie Wins—Tues., Wed., Thurs., 6.45 p.m.
Dad and Dave—Mon. to Thurs., 7.15 p.m.

Man on the Land—Mon., 8.45 p.m.; Wed., 7.30 p.m. and 7.50 p.m.; Thurs., 8.20 p.m.
Mittens—Mon., 7.45 p.m.; Thurs., 7.30 p.m.

One Man's Family—Tues., 7.30 p.m.
Famous Escapes—Sun., 7.30 p.m.
John Halifax—Sun., Mon., Tues., Wed., 8.0 p.m.

Pooley at the Club—Thurs., 8.0 p.m.
I Want a Divorce—Sun., 7.15 p.m.
Something Different—Sun., 7.45 p.m.

Hollywood Dick—Mon., 8.15 p.m.
Robinson Crusoe—Tues., Thurs., Sun., 8.15 p.m.
Coronets of England—Wed., 8.15 p.m.

Melody Session—Fri., 8.30 p.m.
Fred and Maggie Everybody—Tues. to Thurs., 8.45 p.m.

Rev. McKibbin—Mon., 9.0 p.m.
Two Fellows—Sun., 9.0 p.m.
Wrestling from Leichhardt Stadium—Sat., 9.15

Album of Familiar Songs—Thurs., 9.30 p.m.
Viaticum—Sun., 9.45 p.m.
Melody Weavers—Mon., 10.0 p.m.

Excerpts from Operas—Sun., 10.15 p.m.
Hymns of All Churches—Sun., Tues., Thurs., 3.45 a.m.

Hollywood Casting Office—Fri., 9.15 p.m.
Sportsmen in the Spotlight—Wed., 9.15 p.m.

2WG, 261m., 1150kc., WAGGA

Farmers' Service Session; Weather; Breakfast Session; News; Melodies.

WOMEN'S CLUB SESSION—9.30-12.0
Kay gives the Club Notes; Answers to Correspondence; Music.

MIDDAY SESSION—12.0-2.0
Countrymen's Session; Outdoor Melodies; News and Wheat Markets; Music; Popular Selections.

AFTERNOON SESSION—3.0-4.30
Celebrity Session; Music of the Screen; Listeners' Request Session; Music; Hall of Fame; Land of Song; Serial Story; Music.

EVENING SESSION—5.30-10.30
Children's Session; Countrymen's Session; Popular Selections; Market Report; Comedy Interlude; Dance Tunes; Good-night.

SUNDAY MORNING SESSION—8.0-3.0
8.0. West Wyalong Session, 9.0. The Open Road, 10.0. Drink Brothers Drink, 10.45. Hot Spots from History, 11.0. Happy Home Session, 12.0. Beer, Glorious Beer, 1.0. Griffith Session, 2.0. Listeners' Request Programme, 2.45. Music of the Band, 3.0. Close.

SUNDAY EVENING SESSION—5.45-10.30
6.0. Dinner Music, 8.0. Music, 8.15. Spotlight on Sport, 8.30. Radio Revue, 8.45. Your Music and Mine, 9.0. Candid Comments.

FEATURES OF THE WEEK
I Want a Divorce—Sun., 8.0 p.m.
Spotlight on Sport—Sun., 8.15 p.m.
Candid Comments—Sun., 9.0 p.m.
Hot Spots from History—Sun., 10.45 a.m.

Dad and Dave—Mon., Tues., Wed., Thurs., 7.15
Hollywood Dick—Mon., 8.15 p.m.
The Buccaneers—Mon., 8.30 p.m.

Mittens—Tues., Thurs., 8.15 p.m.
Hollywood Casting Office—Tues., Thurs., 8.45.
Music of the Band—Tues., 8.45 p.m.

Beau Geste—Tues., Fri., 9.30 p.m.
On Wings of Swing—Tues., 10.0 p.m.
Man on the Land—Wed., 8.45 p.m.

Famous Melodies—Wed., 7.0 p.m., and Fri., 7.15.
The In-laws—Wed., 7.45 p.m.
Coronets of England—Wed., 8.0 p.m.

Popular Celebrities—Wed., 10.0 p.m.
Mamma Bloom's Brood—Wed., 10.45 a.m.
Music of the Nations—Thurs., 9.15 p.m.

Thrills from Grand Opera—Thurs., Tues., 8.0.
Radio Motoring Service—Fri., 7.30 p.m.
Comedy Kapers—Fri., 9.0 p.m.

Music from the Movies—Fri., 9.15 p.m.
Diggers' Session—Fri., 9.45 p.m.
Special Studio Concert—Sat., 5.30 p.m.

Community Singing—Sat., 4.0 p.m.
Scout Session—Every second Sat., 7.0 p.m.
Girl Guides Session—Every second alternate Sat., 7.0 p.m.

Heather Mixture—Sat., 7.45 p.m.
Songs of the Prairie—Sat., 8.15 p.m.
Corner for the Old Polk—Sat., 9.0 p.m.

Komedy-land—Sat., 9.30 p.m.
Make Believe Ballroom—Sat., 10.30-12.0 mid.
News Service—6.5 p.m. (except Sun.).

Listeners' Request Session—Mon., Wed., 4.0 p.m.
Musical Comedy Selections—Mon., 10.0 p.m.
Cuckoo's Hour—Thurs., 9.45 p.m.

Market Report—Mon., Thurs., 7.30 p.m.

2WL, 210m., 1430kc., WOL'GONG

BREAKFAST SESSION—7.30-9.30
Breakfast Programme with Maurie Power; News; Bright Music; Hymns of All Churches; News; Music for Mother.

WOMEN'S SESSION—9.30-10.30
Friendship Club, conducted by Ann Vidor.

MORNING SESSION—10.30-11.30
Music; Story; Feature Session; Close.

AFTERNOON SESSION—12.30-5.0
(Wednesdays and Saturdays)
Complete Sporting Service of Sydney Races by Stuart Edwards, and of the Melbourne Events by Fred Tupper.

EVENING SESSION—5.30-10.45
Children's Session; Musical Programme; 2WL Presents; Under the Baton of Popular Conductors; Music; News; Music; News Review; Music; Good-night Song; Close.

SATURDAY EVENING SESSION—6.30-10.45
Selection; Sporting Results; 2WL Presents; We Shall Have Music; Instrumental Interlude; 2WL Dance Night; Cocoon Grove Ambassadors; Wrestling Descriptions from Leichhardt Stadium; Dance Music; Good-night Song; Close.

SUNDAY MORNING SESSION—8.30-12.0
John Merchant Entertains; Hymns of All Churches; Cosy Corner; News; Popular Variety; Your Programme Choice; Recordings; The Court of Kings; Home Community Singing; Everything is Rhythm; News; Popular Artists; Close.

SUNDAY EVENING SESSION—7.0-10.0
2WL Presents; Overture; Special Session; The Masters' Music Room; The Music of the Nations; Recordings; Waltz Time; Just a Phone Suggestion; The Organist Entertains; Cavalcade of Empire; Guilty or Not Guilty; Records; The Vocal Parade; Meditation Music; Good-night Hymn; Close.

FEATURES OF THE WEEK
Hymns of All Churches—Mon., Tues., Wed., Thurs., Fri., Sun., 8.45 a.m.

Arthur O'Keefe Reads a Story—Mon., Tues., Wed., Fri., 10.45 a.m.

The Children's Magazine—Fri., 5.45 p.m.
Do You Want To Be An Actor?—Fri., 9.30 p.m.
News Review—Mon., Tues., Wed., Thurs., 10.0

Spring Results—Wed., Sat., 6.40 p.m.
2WL Dance Night—Sat., 8.0 p.m.
Cocoon Grove Ambassadors—Sat., 8.30 p.m.; Mon., 9.30 p.m.

Wrestling Descriptions from Leichhardt Stadium—Sat., 9.0 p.m.
Cosy Corner—Sun., 9.0 a.m.

Your Programme Choice—Sun., 9.45 p.m.
The Court of Kings—Sun., 10.15 p.m.
Home Community Singing—Sun., 10.30 a.m.

The Masters' Music Room—Sun., 7.15 p.m.
Just a Phone Suggestion—Sun., 3.15 p.m.
Cavalcade of Empire—Sun., 8.45 p.m.

Boy Scout and Wolf Cub Session—Mon., 6.30
Guilty or Not Guilty—Sun., 9.0 p.m.
Dad and Dave—Mon., Tues., Wed., Thurs., 7.0

Hitch Your Title to a Star—Mon., 8.0 p.m.
Hollywood Spotlight—Mon., 8.30 p.m.
Results of the Wollongong Greyhound Races at intervals throughout the Evening—Monday, Pinta Pete and his Ranch Boys—Tues., Thurs., 10.30 a.m.

Sweet Interlude—Tues., 7.30 p.m.
Broadcast from Trocadero—Tues., 8.30 p.m.
Spreading Jackpots—Tues., 9.30 p.m.

The Voice of the South—Wed., 7.30 p.m.
Strange But True—Wed., 8.30 p.m.
Personalities on Parade—Thurs., 10.45 p.m.

Kiddies' Radio Revue—Thurs., 5.45 p.m.
Southern Swing—Thurs., 7.30 p.m.
Henry Hardcastle Learns How—Thurs., 8.20

The Memories of Music—Thurs., 8.30 p.m.
The Silver Screen—Thurs., 9.0 p.m.
Cravat and Crinoline—Thurs., 9.15 p.m.

Results of the Dapto Greyhound Races at intervals throughout the Evening—Thursday.

SHORT-WAVE NOTES

BY
R.N. SHAW

NEWS FROM GUATEMALA

AMONGST the new stations which created considerable interest amongst Australian listeners during recent months was TGWA, located at Guatemala, Central America. The station is usually heard during the middle afternoon, and provides an entertaining and versatile programme. The wavelength is 31.01 metres or 9685 k.c.s. In the hope of securing some information of interest for our readers, we wrote the station on June 12, forwarding the letter by air mail, and now, just five months later, comes a reply, which was written slightly over two months ago.

In conveying gracious thanks for the completeness of our report, the station director forwards a large number of photographs of the station and the English announcer. The announcer is Ed. Vasquez, and he tells us that TGWA is on the air every day at present from 3.40 to 4.45 a.m. on 19.78 metres, relaying TGW, whilst on Monday mornings the station hour is extended to 7.15 a.m. It is also scheduled to be heard on 31.01 up to 2.30 p.m.

The Dx verification card sent by the station is rather unique, and contains a photograph of a rather interesting native bird, with extremely long tail, somewhat similar in appearance to some types of the Australian pheasant. A programme schedule roneed in English is also sent, indicating that every class of listener is well catered for. Strangely enough, the photographs bear the imprint "Berlin."

VARYING RECEPTION

This past fortnight has provided rather severe variations in receiving conditions on short-wave bands, as well as on the broadcast bands. The high pressure system which covered Australia for nearly a week was a veritable godsend to outback broadcast listeners, removing almost completely all trace of static. With cool evenings prevailing, it was possible to again pay attention to stations up on the 49, 60 and 70 metres bands, whilst magnificent reception was obtained from numerous European and Eastern stations on 19, 16 and 13 metres at night. Writing just prior to the cool change, Mr. J. M. Hack (Monkeral) says that between 10 and 11 a.m. on Saturday, a very hot morning, reception was almost at zero. But on some days when reception is generally poor, one station will often come through quite well. So Mr. Hack discovered on this hot summer morning that the Javanese, YDC, on 19.8 metres, came in at great strength. Good music (records) was played and the numbers announced in English. We might mention that YDC can be heard opening around 9 a.m. every day at present. Mr. L. J. Keast (Radwick) says that conditions at his station were "patchy" during the week, and during the early part static on the 31 band was extremely bad. On the night of November 25 he also notes that he could find no trace of VLR between 10.45 and 11.15 p.m. He did not know whether it was off the air. Mr. Keast asks if we have noticed any "druminess" about the signals of ZBW (49.49), of Hongkong, during the evenings. Yes, we have certainly noticed this annoying feature on ZBW, and it is so noticeable on most evenings as to render the station unworthy of attention from an entertainment point of view. But it is most unfortunate that this once popular band is now frequently an incoherent jumble of heterodyning signals. Mr. Keast mentions that at 9.10 p.m. on November 26 he heard Moscow in a very good signal on 16.87 metres.

THOSE ITALIANS

With the co-operation of the Italian Consulate in Sydney, Mr. G. Muller (Newtown) has ascertained that radio stations in Italy are controlled to a certain extent by an association called EIAR, which in English means "Association of Italian radio auditors." Many of the broadcasts in which no English is heard are intended for reception in Italian possessions or countries where no English is spoken. Any queries regarding the stations should be directed to EIAR, Montello, Italy. So far as we can ascertain, Montello is in close proximity to Rome, the official address being E.I.A.R. 5 via Montello, Rome. Mr. Muller reports that the station on 33.8 was again heard at full strength on Thursday, Friday and Saturday, but weaker on Sunday and Monday, closing later than usual at 6.5 a.m. on Monday. The station on 31.43 seems to have dropped to 31.41, the same frequency as Paris, causing heterodyning. Then the Italian dropped back further to 31.06, or between 2RO on 31.13 and the new German on 31.02. Listeners will find signals on this latter wavelength very good, and often equal in strength to 2RO. Referring to the other Italian on 30.52, Mr. Muller thinks its call sign is Rome II, and location Montello. Yes, Rome II is the call sign of the broadcast station on 245.5 metres which programmes are relayed by the short-wave station. Recorded music of good selection is heard till 5.36 a.m. and signals are very fine.

With the 19 band rather bad in the mornings, the Italian on 19.62 was heard faintly, although on Sunday it was excellent on closing at 5.30 a.m. Listeners can now hear this station nightly around 11 p.m. with the usual bird whistle, followed by Italian news and closing at 11.20 p.m. This station, however, must not be mistaken for LRU, which can be heard frequently about 10 p.m.

On Monday morning, HVJ, of Vatican City, was heard on 19.84 in a talk dealing with the persecution of Jews in Germany.

NEWS OF ALL STATIONS

Listeners to the popular Dutch station, PCJ, operating on 19.7 metres every Tuesday evening might note that for some time PCJ will open at 6 p.m. and close at 7.30 p.m., Sydney time. The station is coming in excellently in the new schedule.

A feature of the week's reception has been the excellence of Daventry on 16 and 13 metres from 8.45 to 11.30 p.m., whilst GSE on 25.2 metres has also been quite good, with GSF on 19.8 also very good.

Mr. J. M. Hack (Monkeral) says that the American, W3XAL, on 16.8, continues to be the best station from about 9.30 a.m. until well into the afternoon. Much Spanish talk and news are heard between 10 and 11 a.m. Yes, and we find that there is a great deal of foreign talk at various hours. On Sunday Mr. Hack heard KGU on 20 metres in a fine programme until closing at 3.30 p.m. A real treat was heard from the Turkish station, Radio Ankara, on 31.7 metres, one morning when the studio orchestra was heard. GSF (19.7) is now the best of the Daventry stations and is heard quite well until 7.30 a.m. On 49.8 metres, DJL has been strong around 7 a.m., when DJD (25.4) is fair, but most other morning stations are of little value after 7 a.m. The best night station up till 11 p.m. is YDC on 19.80 metres, but on some nights YDC (31.38) is quite strong. Mr. Hack heard after 10.45 p.m. what he believed to be the Japanese, JVP, testing on 43.2 metres. Occasionally the announcer stated that it was Tokio calling, and testing. Mr. Hack concludes with the comment that "the 19 band is becoming worse than the 31 band for interference and 'jamming' of stations."

This week the Rome station, 2RC, on 25.40 metres, has been heard quite strongly before 9 p.m., whilst it is also strong in the mornings on 31.13, but inclined to be noisy.

RNE on 25 metres has been heard strongly in the 9 to 10 p.m. English sessions on Sunday and Wednesday nights.

Mr. G. Muller (Newtown) says a Riga station opens on about 30.5 metres at 5.50 a.m. He was surprised to hear W1XK (31.35) quite strongly in music on Sunday morning in between baseball descriptions. Other Americans heard were W2XE (25.36) and W2XK (25.27). The former appears to change from 19.65

SHORT WAVE STATION VLR
DECEMBER 25-31, 1938
MORNING SESSION, 6.30-10.15 a.m.
Weather and Market Information.
Morning Exercises. Music. News Services. To-day's Short Story. Daily Broadcast Service.

MIDDAY SESSION, 12 Noon-1.30 p.m.
Market and Stock Exchange Reports.
"At Home and Abroad"—"The Watchman." Midday News Bulletin. Weather and Rainfall Bulletins. Luncheon Music.

AFTERNOON SESSION, 1.30-6.0 p.m.
Sporting Descriptions, interspersed with Musical Items. Young People's Session.

EVENING SESSION, 6.15-11.30 p.m.
(12.0 p.m. Saturday)

Dinner Music. Sporting Results. Market and Weather Information. News Bulletins. Talk. Musical Features and Dramatic Productions. Late News. Recorded Feature. News Brevities. Dance Music (Saturday).

SUNDAY

MORNING AND MIDDAY SESSION,
8.0 a.m.-1.30 p.m.

Christmas Carols. News and Sporting Results. Session for the Man on the Land. News Bulletins. Book Review. "From the Operas." Church Service. Music.

AFTERNOON SESSION, 3.0-6.0 p.m.
Talk. Music. Rebroadcast from the Empire Station.

EVENING SESSION, 6.15-10.30 p.m.
Music. News Bulletins. Dramatic and Musical Features. Talk, Music. News. Brevities.

FEATURES

Talks by "The Watchman."—Tuesday, Wednesday, Thursday and Friday, 12.40 p.m. Tuesday, 7.40 p.m.

To-day's Short Story.—Wednesday, Thursday and Friday, 9.30 a.m.

"As You Like It."—Wednesday at 8 p.m.

"Emma and 'Erbert.'"—Wednesday at 8.45 p.m.

Jim Davidson's New Year Party.—Saturday at 9.0 p.m.

Sheffield Shield Cricket Descriptions.—Each Afternoon (Thursday excepted).

metres at various hours, such as 5.30 a.m., 6 a.m. or 6.30 a.m. On Monday HBO (26.3) and HBQ (44.94), of Geneva, can be heard excellently from 5 to 5.30 a.m. in interesting talks. At the present the talks are on the subject of malaria, and to sufferers from this malady the talks are definitely of value.

DJB (19.74), the well-known German station, appears to have disappeared from the usual evening and afternoon service, but DJQ (19.6) and DJR (19.5) are being heard at maximum strength each evening. Another station which we have been hearing at full strength each evening is the Czech on 19.70 (OLR5A).

Mr. C. R. Woolsey, of Terrigal, reports having logged a large number of stations, and received verifications from about 75. He asks for information regarding I.R. coupons, which can be obtained at most large post offices, and remain "current" for an indefinite period.

A feature of the week has been the variety and the excellence of stations on the 25 metres band during the early mornings. Two of the best stations on this band are W8XK and W2XE, with W1XAL not far behind, whilst the Portuguese station, CSW, on 27.17, is probably the finest station audible after 7 a.m. Most stations completely disappear towards 8 a.m., when the only two stations of value are VLR3 (25.25) and W3XAL (16.8). Due to the rather extraordinary atmospheric conditions, it was possible on Tuesday of this week to also hear GSF (19.8), W1XAL (25.4), GSD (25.5), W2XE and W1XK on 25 band, VLR2, and W3XAL (16.8), at quite good strength after 8.30 a.m.

International Short-Wave Programmes

FRIDAY

DAVENTRY

Look for programme of negro spirituals from GSD, GSB, GSG and GSA at 5 a.m., Gillie Potter at 6.0, Jack Hylton's Dance Orchestra at 6.15, news from GSO, GSB and GSF at 7.15, and "At the Black Dog" at 7.35 a.m. "Empire Exchange" is heard from GSE, GSD, GSO, GSF and GSI at 6 p.m., Paul Reubens, the man and his music, at 6.15, play, "The Grandmother Clock," at 7.10, and news at 7.50 p.m. Look for "Empire Gazette" from GSO, GSH, GSJ, GSE and GSF at 8.45 p.m., the Avalon Quartet at 9.15, Gillie Potter at 9.35, organ recital from Armagh Cathedral Church at 9.50, G. Elrick's Music Makers at 10.15, topical talks at 11.0, and news at 11.30 p.m.

THE AUSTRALIANS

VLR3 (25.25) opens at 6.30 a.m. with weather and market reports, news at 6.45, physical exercises at 7.0, national news at 8.0, music at 8.15, the day's story at 9.30, music at 8.40, and the daily broadcast service at 10.0. Station reopens at noon with broadcast to schools, music at 12.15, grain reports at 12.20, Stock Exchange and London metal prices at 12.25, "The Watchman" at 12.45, weather reports at 12.55, news at 1.0, interstate weather forecasts at 1.5, music at 1.10, description of Victoria v. Queensland Sheffield cricket at 1.30, broadcast to schools at 3.0, further sporting descriptions at 3.20, tiny tots' session at 5.20, and young people's session at 5.30 p.m. Station reopens on 31.34 metres at 6.15 p.m. with Jim Carroll's racing session, music at 6.30, sporting at 6.45, weather and markets at 7.0, overseas news at 7.15, Australian news at 7.30, and talk by Prof. S. M. Wadham on "The Future of Australian Farming" at 7.40 p.m. Jim Davidson's A.B.C. Dance Band is heard at 8 p.m., musical programme, including community singing, from 8.30, late news at 10.30, and recorded music from 10.50 to 11.30 p.m. Look for 3ME (31.5) between 7 and 10 p.m., and 6ME (31.28) between 9 and 11 p.m. in recorded features.

SATURDAY

DAVENTRY

Look for fourth concert by the B.B.C. Empire Symphony Orchestra from GSD, GSB, GSG and GSA at 5 a.m., feature programme, "Astrology," at 6.30, negro spirituals at 6.50, news from GSO, GSB and GSD at 7.15, and the story of a House, Broughton Castle, at 7.35 a.m. Look for "I Remember" from GSE, GSD, GSO, GSF and GSI at 6 p.m., "Cards on the Table" at 6.45, Mr. Gillie Potter at 7.5, Sandy MacPherson at the B.B.C. theatre organ at 7.20, "London Log" at 7.40, and news at 7.50 p.m. "Steamboat" entertainment is heard from GSG, GSF, GSE, GSJ and GSH at 8.45 p.m. B.H.O.'s Brass Quintet at 9.40, the B.B.C. Singers (Women's Voices) at 10.0, "At the Black Dog" at 10.30, Jack Wilson's Versatile Five at 11.0, talk on world affairs at 11.15, and news at 11.30 p.m.

THE AUSTRALIANS

VLR3 (25.25) opens at 6.30 a.m. with weather and markets, news at 6.45, physical exercises at 7.0, music at 7.10, national news at 8.0, music at 8.15, talk by Mr. M. S. Sharland on "Birds in Your Garden" at 8.50, music at 9.0, and daily broadcast service at 10 a.m. Station reopens at noon with light music, grain reports at 12.20, Stock Exchange and London metal prices at 12.25, music at 12.40, weather reports at 12.55, news at 1.0, interstate weather forecasts at 1.5, music at 1.10, descriptions of Ascot races and Victoria v. Queensland Sheffield cricket from 1.30, and young people's session at 5.30 p.m. Station reopens at 6.15 p.m. with music, market reports at 6.30, sporting at 6.45, weather and markets at 7.0, overseas news at 7.15, local news at 7.30, sporting highlights at 7.35, and old-time dance night from 8 p.m., with late news at 10.30 p.m. Look for 3ME (31.5) in recorded music between 7 and 10 p.m., featuring Australian artists between 9.15 and 9.45 p.m. Between 9 and 11 p.m., 6ME (31.28) is also heard in recorded music, with news at 10 p.m.

SUNDAY

DAVENTRY

Look for music hall from GSB, GSG, GSA and GSD at 6 a.m., news and Saturday sporting from GSO, GSD and GSB at 7.15, and

the Crystal Palace Band at 7.45 a.m. "Empire Gazette" is heard from GSO, GSF, GSD, GSE and GSI at 6 p.m., the B.B.C. theatre organ at 6.30, Sunday news and weekly newsletter at 6.55, and Baptist service from studio at 7.30 p.m. ARTHUR BENJAMIN, AUSTRIAN PIANIST, is heard in recital at 8.5 p.m. Look for GSJ, GSH, GSG, GSF and GSI with Martell and his Forum Theatre Orchestra at 8.45 p.m., "Canada Speaks" at 9.30, the B.B.C. Men's Chorus in students' songs at 9.45, Crystal Palace Band at 10.15, Empire service at 10.35, and news at 11.30 p.m.

THE AUSTRALIANS

VLR3 (25.25) opens at 8 a.m. with news, sporting at 8.10, session for man on the land at 9.30, music at 10.10, talk by Mr. H. Dinning on "Books Worth Reading" at 10.15, operatic music at 10.30, service from the Australian Church at 11.0, and recorded music from 12.15 to closing at 1 p.m. Station reopens at 3 p.m. with armchair chat by Mr. F. S. Burnell, brass band music at 4.0, organ recital at 4.30, light music at 4.50, rebroadcast from Daventry at 5.30, closing at 6 p.m. Station reopens on 31.34 metres at 6.15 with recorded music, talk on "Adventures in Music" by Mr. L. Evans, at 6.35, play, "The Bluebird," at 7.0, "Incognito" at 8.30, talk on international affairs at 9.0, the New Note Octet at 9.20, talk at 10.0, music at 10.15, and news at 10.20 p.m. Look for 2ME (31.28) in recorded programme between 4 and 6 p.m.

MONDAY

DAVENTRY

Look for service from Holy Trinity C. of E. Church, Marylebone, at 6 a.m. from GSG, GSD, GSB and GSA, with news from GSO, GSD and GSB at 7.0, and an Emil Waldeufel programme at 7.35 a.m. Music in Everyday Life is heard as a talk by H. Howells at 6 p.m. from GSO, GSF, GSE, GSD and GSI, with music hall at 6.15, violin recital at 7.15, the Avalon Quartet at 7.30, and news at 7.50 p.m. Look for "Under the Red Duster" from GSJ, GSH, GSE, GSF and GSG at 8.45 p.m., organ music from Empress ballroom at Blackpool at 9.30, music hall at 10.0, programme in celebration of the jubilee of the pneumatic tyre at 11.0, and news at 11.30 p.m.

THE AUSTRALIANS

VLR3 opens at 6.30 a.m. with weather and markets, news at 6.45, physical exercises at 7.0, music at 7.10, news at 8.0, morning music at 8.15, radio serial at 9.30, and morning service at 10 a.m. Station reopens at noon with broadcast to schools, grain reports at 12.20, Stock Exchange at 12.25, "The Watchman" at 12.45, weather and news at 11.55, music at 1.10, sporting and music during afternoon, tiny tots' session at 5.20, and young people's session at 5.30 p.m. Station reopens on 31.34 at 6.15 p.m. with music, sporting at 6.45, weather and markets at 7.0, overseas news at 7.15, local news at 7.30, and "Men Talking" at 7.40 p.m. Look for "The Labors of Hercules" at 8 p.m., National Military Band at 8.30, topical revue at 9.0, "Choral Cavalcade" at 9.30, talk for young people at 9.45, late news at 10.30, and recorded feature at 10.50 p.m. Look for 3ME between 7 and 10 p.m., and 6ME between 9 and 11 p.m. in recorded sessions.

TUESDAY

DAVENTRY

Look for the pageant of Christmas "Unto Us a Child is Born," from GSD, GSB, GSG and GSA at 6.15 a.m., news from GSO, GSD and GSB at 7.15, and "Steamboat" at 7.35 a.m. "In Town To-night" is heard from GSE, GSD, GSF, GSO, and GSI at 6 p.m., the B.B.C. Empire Symphony Orchestra at 6.30, and news at 7.50 p.m. Look for radio play, "Ups and Downs," from GSG, GSJ, GSH, GSE and GSF at 8.45 p.m., an Emil Waldeufel programme at 9.20, "The Showman," a play, at 10.15, dance music at 10.45, Jimmy Donovan and his saxophone at 11.15, news at 11.30 p.m.

THE AUSTRALIANS

VLR3 opens at 6.30 a.m. with weather and markets, news at 6.45, physical exercises at 7.0, music at 7.10, news at 8.0, radio serial at 9.30, and daily broadcast service at 10 a.m. Station reopens at noon with music, grain reports at 12.20, Stock Exchange at 12.25, "The Watchman" at 12.45, weather and news at 12.55, music at 1.10, cricket and other sporting broadcasts during afternoon, tiny tots' session at 5.20, and young people's session at

5.30 p.m. Station reopens at 6.15 p.m. with music, sporting at 6.45, market and weather reports at 7.0, overseas news at 7.15, Australian news at 7.30, and "The News Behind the News" at 7.40 p.m. The A.B.C. (Melbourne) Symphony Orchestra is heard at 8.0, Christmas carols from St. Peter's Church, Adelaide, at 8.45, topical talk at 10.0, music at 10.15, news at 10.30, and music at 10.50 p.m. Look for 3ME (31.5) between 7 and 10 p.m., and 6ME (31.28) between 9 and 11 p.m., in recorded sessions.

HOLLAND

Look for PCJ on 19.71 metres between 6 and 7.30 p.m. in special session for Australia and New Zealand.

WEDNESDAY

DAVENTRY

Look for "Showmen of England" from GSD, GSB, and GSG at 6 a.m., news from GSO, GSD, and GSB at 7.15, and the B.B.C. Empire Orchestra at 7.35 a.m. "Canada Speaks" is heard from GSF, GSO, GSE, GSD, and GSI at 6 p.m., chamber music of Brahms at 6.15, B.H.O.'s Brass Quintet at 7.0, a musical farce, "Money Isn't Everything," at 7.20, and news at 7.50 p.m. Look for pageant of Christmas, "Unto Us a Child is Born," from GSE, GSF, GSG, GSJ, and GSH at 8.45 p.m., medleys at 9.30, Eric Shrimpton on electric and Spanish guitars at 9.45, musical farce, "Money Isn't Everything," at 10.0, piano recital at 10.30, "Empire Exchange" at 11.0, and news at 11.30 p.m.

THE AUSTRALIANS

VLR3 opens on 25.25 metres at 6.30 a.m. with weather and markets, news at 6.45, physical exercises at 7.0, music at 7.10, news at 8.0, morning music at 8.15, radio serial at 9.30, and daily broadcast service at 10 a.m. Station reopens at noon with music, grain reports at 12.20, Stock Exchange at 12.25, "The Watchman" at 12.45, weather and news at 12.55, music at 1.10, afternoon music and sporting from 1.30, tiny tots' session at 5.20, and young people's session at 5.30 p.m. Station reopens on 31.34 metres at 6.15 p.m. with recorded music, sporting at 6.45, weather and markets at 7.0, overseas news at 7.15, Australian news at 7.30, and talk by Mr. W. H. Hudspeth on "Penal Stations of Old Van Diemen's Land" at 7.40 p.m. Look for "As You Like It" programme at 8 p.m., Emma and Erbert at 8.40, organ music at 8.50, play, "Bethlehem," at 9.0, music at 10.15, late news at 10.30, and music at 10.50 p.m. Look for 3ME between 7 and 10 p.m. in recorded session, with letter bag session at 9 p.m.

THURSDAY

DAVENTRY

Look for GSD, GSB, and GSG at 6.15 a.m. in programme by the B.B.C. Orchestra, with news from GSO, GSD, and GSB at 7.15, musical farce, "Money Isn't Everything," at 7.35 a.m. Talk on world affairs comes from GSI, GSO, GSE, GSD and GSF at 6 p.m., the B.B.C. Empire Orchestra in a symphony concert at 6.15, Louis Levy's B.B.C. Variety Orchestra at 7.5, and news at 7.50 p.m. Look for "Famous Fuses—The Waltz," from GSG, GSE, GSF, GSJ, and GSH at 8.45 p.m., the Harp Quintet at 9.20, Louis Levy's Variety Orchestra at 9.45, "At the Black Dog" at 10.30, songs of Brahms at 11.0, talk on world affairs at 11.15, and news at 11.30 p.m.

THE AUSTRALIANS

VLR3 (25.25) opens at 6.30 a.m. with weather and markets, news at 6.45, physical exercises at 7.0, music at 7.10, news at 8.0, radio serial at 9.30, and daily broadcast service at 10 a.m. Station reopens at noon with recorded music, grain reports at 12.20, Stock Exchange at 12.25, "The Watchman" at 12.45, weather and news at 12.55, music at 1.10, afternoon music and sporting from 1.30 p.m., tiny tots' session at 5.20, and young people's session at 5.30 p.m. Station reopens on 31.34 metres at 6.15 p.m. with talk by Mr. P. Schifferdecker on "From One Dog Lover to Another," with sporting at 6.45, weather and markets at 7.0, overseas news at 7.15, Australian news at 7.30, and talk on "The Northern Territory," by Mr. E. Southwell-Kelly, at 7.40 p.m. A play is heard at 8 p.m., the A.B.C. (Sydney) Symphony Orchestra at 8.50, rebroadcast of talk on world affairs from Daventry at 10.0, Jim Davidson's Dance Band at 10.15, late news at 10.30, and dance music at 10.50 p.m. Look for 3ME between 7 and 10 p.m. and 6ME between 9 and 11 p.m. in recorded music.



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Whither 1939?

By
JOHN MOYLE

FORECASTING the future is one of the oldest pastimes and professions. There is, of course, the inestimable advantage that at the time one forecasts, no one can supply a successful contradiction. And should things not turn out the way they were expected, well, maybe most people would have forgotten the details anyhow!

When attempting to estimate the path of events for 1939, I have no intention, therefore, of making a series of long shots in the dark, merely for the sake of being spectacular. To anyone who spends some time in looking back through 1938, however, and making a mental note of things indicated by the passage of events, there are quite a few points that stand out as likely to be prominent next year. We may also "get line" on some of radio's eternal problems by observing the progress they have experienced over the past twelve months.

● Broadcasting

Beginning with the realm of broadcasting, we would naturally commence inquiries by having a look at the licence figures. Compared with this time last year, the increase is only about 50 per cent, as much, according to the figures released each month. In other words, having passed the million mark with some to spare, the rate of increase has begun to slacken from about ten to five thousand new listeners per month.

It's rather hard to say just why this should be. Many think that the interest in broadcasting is not as keen as once it was—people being more content just to listen-in than to get worked up over what they hear. It may be also that Australia is reaching the end of the initial "stocking-up" period in radio sets, and that the market from now on will depend on normal replacement, which may not be as frequent as before, and which again depends very largely on what is offering in the way of inducement to buy.

The unsettled state of affairs overseas must, of course, have had a big influence on receiver sales. Taking a broad view of the matter of falling licences, it appears possible that some time next year, if matters fail to improve, much thought will be applied to the problem of programmes, services, etc., with a view to attracting still more recruits to radio, a job which so far has been comparatively easy. Yes, selling broadcasting seems certain to become a real industry before very long.

In broadcast development in the technical field, there are several items of interest. The Commission's two high-powered stations—2FC, at Liverpool, and 3LO, in Melbourne—are merely the advance guard of a whole collection of new stations of modern design, some of which will come into operation next year. The use of the huge vertical radiators is again worthy of note, although to the commercial stations, 2SM and 2GB (in N.S.W.), belong the credit of having pioneered the way in their use. Such masts are themselves the aerials or radiators, and their use enables a very powerful radiation at a low angle to the ground, thus concentrating the station's coverage, and improving efficiency. We should see more of them next year. In fact, the building of new stations is not likely to be confined to the Commission. Better efficiency and power are first considerations with commercial stations. And with all these new stations, we are promised improved transmissions. If this be so, let us bid a fond and thankful farewell to the old stations long overdue for a pension.

● Relays

It is certain also that more and more use will be made of relays from State to State. Not only will the Commission increase their use, but almost certainly the commercial stations as well. Relays are necessary where stations widely separated use the same programmes by business arrangement. More and more, the commercial stations are forming themselves into rival networks which extend all over Australia, and it is quite probable that we shall see star sponsored sessions of high quality relayed from

network to network among the commercials, as well as from interstate national stations.

Do you remember the relay of Lawrence Tibbett's programme some months ago? There were 86 stations hooked together for that relay. As advertising it was immense, and it also spread the cost over the largest possible number of units.

I do think something will have to be done about the quality of the landlines used for these interstate relays. There have been some dreadful examples of mutilated programmes during the year which do harm to the station, to the listeners—in fact, to all but the P.M.G., who has the only lines available, and therefore holds the cards. It's a big job, for instance, to provide a high quality line from Brisbane to Perth—I doubt whether there would be a longer one in use for broadcasting anywhere in the world. But we have had programmes from Melbourne to Sydney, which were so bad that I wonder why the stations concerned waste time and money over them. There are bound to be some big howls if something is not done about these lines in 1939.

● Radio Receivers

I cannot see indications of any major developments or inventions affecting radio circuits for the next year. Fundamentally, there have been few innovations worthy of being called important, since the wholesale adoption of the super-het. circuit five years ago. Components have been improved, better and more flexible valves have been made, and, most important thing of all, dual-wave tuners have appeared in those years, even on cheap sets.

In 1939, differences in radio sets will be mainly those of fashion. It goes without saying that cabinets will be "different" enough to date them '39 instead of '38. But I don't expect very much difference to take place inside them. I don't expect set performances to vary very much, class for class. Sometimes I get a set for test which appears to be more sensitive, or possibly more selective, than some others, but, more than likely, it will be balanced by a poorer tone, or a boomy speaker, or some other fault. All manufacturers are fighting for defined markets nowadays, and they've all got the same materials to do it with. They build sets to give a certain result for a certain price, and no more. So they do motor cars. And there is therefore little difference between different makes of cars in their own price classes.

● Dials

The use of automatic tuning, I think, will be even further exploited for 1939. It has an appeal which, in the absence of anything more important, is sure to be demanded. As a result, we even have car radios now installed with push-button tuners for quick selection of stations. I think it a wonderful scheme for car sets, because I know from experience how much harder it is to tune accurately a station while trying to drive with one hand, and listen for the "dead-line" in tuning at the same time. Quick and accurate selection by pushing a button appeals to me. And, furthermore, I think more car radios will be sold next year. They are better radios—less trouble—and they cost much less.

The four-five A.C. dual-wave receiver seems likely to hold its big lead as favorite, mainly because it gives good results for little money. Reports will indicate that there is a tendency on the part of a larger proportion to pay a little more money—up to £32 or so—for a six-valve set of high quality. There are plenty of manufacturers who are interested in seeing this come about. It's better business, with better returns, and more easily gained profits. And they certainly are better radios.

I can see little possibility of the two or three pounds sets such as flood America. No one would want to chase such a market, even if he could make enough sets to get the price down. On the whole, prices should stabilise round about their present level, allowing always for an unexpected and isolated instance.

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Whither 1939?

Continued from Page X, Roto Section

● Television

Overseas engineers are still working hard on the problems of television. Technically, they are doing very well indeed, and some very fine work has been accomplished, particularly in England, where television is probably much more active than anywhere else. Equipment is getting better, receivers are improving, and prices are slowly coming down.

There is still no prospect for television in Australia. This I know is merely repetition, but at the same time it may serve to ease the minds of some. The year 1939 is not likely to see any local television activities. Despite the improvements and the progress mentioned above, there appears as yet no prospect of the major problems being solved—by this, I mean the problems which are keeping television services from Australia. The cost of television is still far too high to be practicable, and the service area is still limited to a few miles. We may expect during 1939 that costs will continue to fall slowly because manufacturing and technical improvements will tend to reduce them as more and more articles are made. But only radical changes can cause radical price reductions of transmitters, receivers, and services. I don't think 1939 will see such changes.

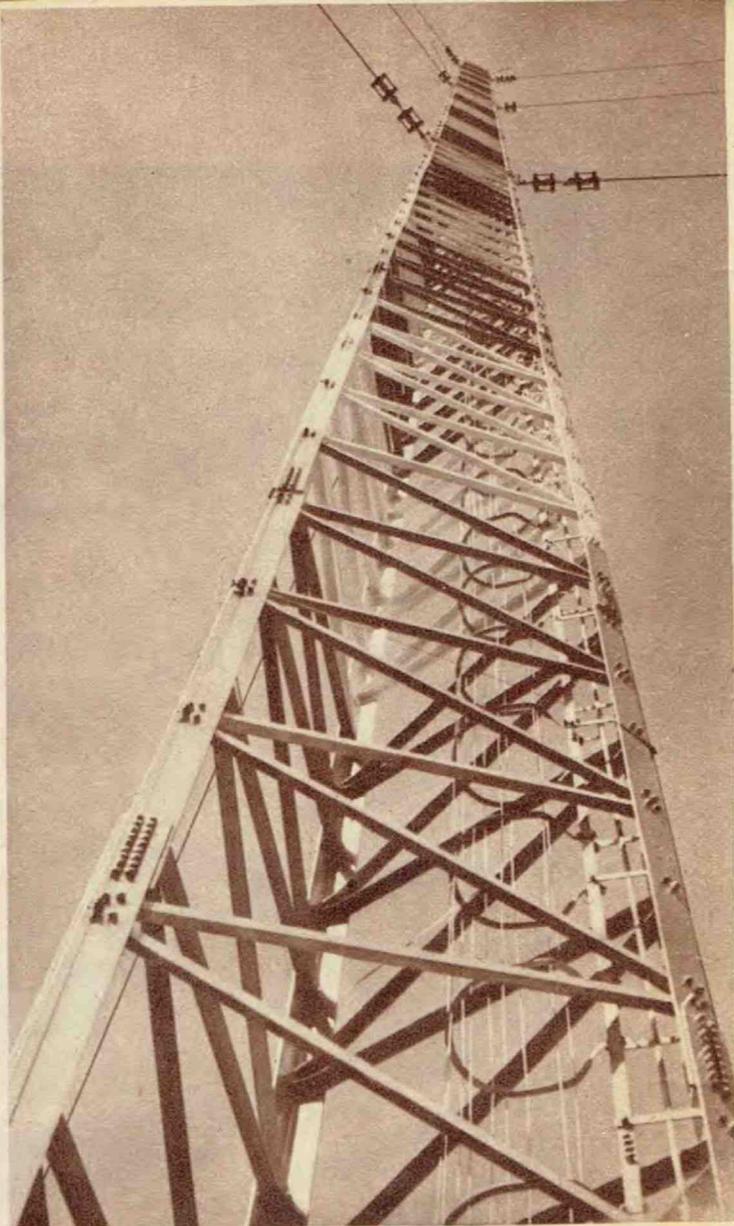
Undoubtedly, more television sets will be sold in England in 1939. There will need to be. The number of "lookers-in" is now so small that it could be increased ten times, and the total still be most inadequate to justify the expense of the service. No, Australia must look very much further than 1939 for television, other than of a purely experimental type.

● Radio Services

I would not be surprised to see some definite increase in the use of radio commercially next year, in ways which hitherto have not been explored. By this I mean the granting of transmitting frequencies to bodies which have a special use for them in setting up a communication network of their own. For instance, one can easily visualise a taxi call system which would enable two-way communication with any taxi-cab and a control source. I need not stress the tremendous saving in time and money such a quick system would involve. More than this—it would enable a concentration of cabs on spots where congestion calls for quick transport from a Stadium or wharf-side. I'm not picking this example with any special purpose—merely to illustrate what I mean. There seems no reason at all why radio should not be put to work in many cases of this type, to the ultimate benefit of all. Already we have services in action by the Police, Ambulances, Electricity Commission, Water Board, etc. Why stop there?

● Electrical Devices

Electrical devices will continue to be produced and exploited in 1939—devices designed to do the work previously carried out by other means. The Electric Shaver is a good example of this. Few people realise just the hold the Electric Shaver is obtaining overseas, particularly in America. It is a good example to take, because it is designed to eliminate what has always been an awkward and distasteful business—that of lathering and shaving



The new 2FC aerial mast at Liverpool, 730 feet in height.

with a razor—replacing it with an effective and easy method of removing the nation's beard. I'm sure that many thousands of these shavers will go into Australian homes during the coming year.

The farmer is becoming interested in such things as Electric Fences, another application of simple electrically-operated devices. Along this line of convenience and utility, such progress is only to be expected.

● Radio And Flying

And finally, it seems certain that 1939 will at last see something done about radio control in aviation. Australia is a country where air services are a vital link in communication. It is also a country where the use of radio in assisting the aviator to safeguard flying is exceptionally backward. Some attempt must be made next year to commence a plan of action which will result in every flying route in Australia being radio controlled from start to finish. The co-operation of every flying service should be obtained in the installation of the necessary equipment, just as we see it now in shipping. Time and money cannot be measured against loss of valuable lives. Radio is the only means of communication between an aeroplane and those who can guide it on its way.

Once a plane leaves the ground and commences its journey, there is no other link with the ground.

It may not be too much to say that, should 1939 bring about a satisfactory plan of action in this matter, as I feel sure it will, such a plan will be its biggest single contribution in radio to our country's service.

So go to it, 1939! It's up to you!

THEY'LL SOON BE GROWN UP

By "LIZ"

WHEN I was very young, and therefore defenceless, my mother took me to a church bazaar.

It was in aid of missionary work, and there were a lot of speeches. On the way home I was very quiet, thinking about how soon I would be big enough and old enough to be a missionary. I had an idea a missionary looked like a nun, and the next day mother spanked me very hard for trailing around in the muddy back yard and making the bedroom quilt very dirty in the process.

Of course, I did not become a missionary, but it just goes to show you the complex working of the child mind, and illustrates how careful grown-ups should be in their dealings with children.

* * *

I went to Bryson Taylor, who conducts the children's session from the national stations.

"I hear you're letting the kiddies conduct their own session these days," I ventured. "Could you tell me how they're getting on, and how you go about it?"

He was perfectly willing to do so.

"Mind you," he warned me, "it doesn't mean that every little curly Shirley who can sing 'Animal Crackers in my Soup' can go on the air. It's not as easy as that.

"We give the kiddies an audition, just

like the adults. They have their own audition committee, a committee that looks, not only for a clever performance, but for latent talent that may be developed.

"If the child is successful, he or she comes to me. I get all the necessary particulars of the little one's experience, repertoire, and so on. And if I think it will help then I give them some advice.

"Then comes the term of apprenticeship. They are encouraged to come to the studios and watch other children performing. They are given an opportunity to assist in studio work, get to know their surroundings and their fellow performers, and to thoroughly absorb the routine of a radio station. They are trained in microphone technique. And when we think they have sufficient confidence in themselves and feel thoroughly at home, they are allowed to give a solo performance.

"In the selection of these children, brilliant performances at competitions and eisteddfods carry little weight. Radio work is so utterly different to personal appearance work. The temperament of the child, his versatility and approach to his work are taken greatly into account.

"We do not favor the very young performer, who in many cases is obviously immature. We look for adaptability. If we find in a child a ten-



Norma Smith sings "Come to the Fair" in the audition studio.

dency to excel in a certain direction we train him along those lines. We have in our ranks several kiddies who show great promise as character actors. Others show an aptitude for compere work, for leadership.

"Any tendency to be imitative, or stagey, must be knocked out of their work, and complete naturalness substituted.

"Children are more radio-minded than adults. They are quick to learn, keen, and unless spoiled by too much parental attention, they are not hampered by self-consciousness.

"They are the radio artists of the future. Our aim is not so much to train them for childhood performances as for adult careers. When they grow up we hope they will slide easily and naturally into the groove which, had they not been trained to it early, they might have had much trouble in making for themselves."

Audition

I went the following day to a children's audition.

In the big studio were Mr. Horace Keats, the accompanist, a capable young lady in a neat grey suit, who was herding aspirants in and out, and checking their names on the list, and the photographer. Auditions had commenced. As I tip-toed in, the young lady in grey ushered out a small boy and received a slightly larger girl, complete with parent.

"She's just got over a cold," the father said apologetically.

The lady in grey smiled, friendly, but impersonal.

"She'll be all right."

The child sang "Alleluia." She did

Continued—See Index.



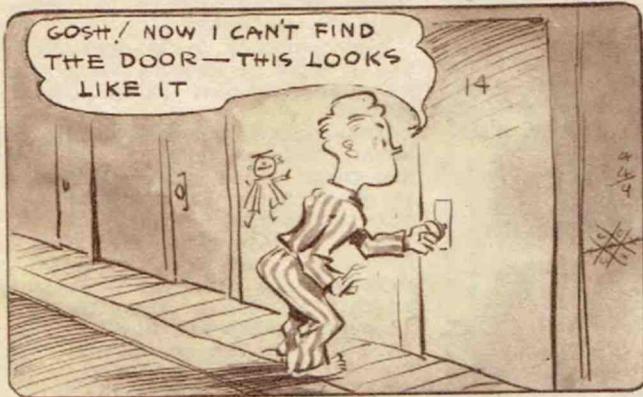
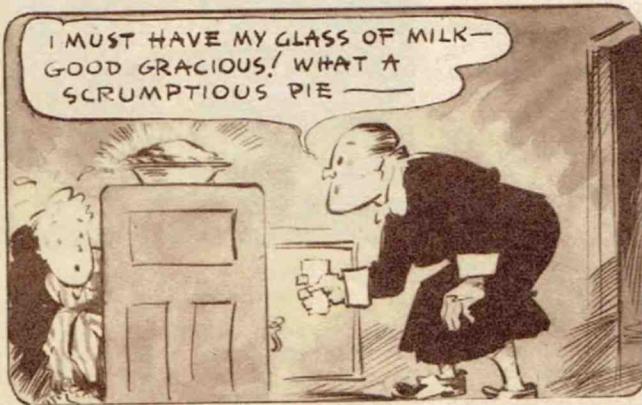
The Audition Committee listens. Left to right: Mr. Bryson Taylor, Mr. Russell Scott (producer), and Mr. J. J. Donnelly.

FOLLOWING FATHER'S FOOTSTEPS..

A GEORGE EDWARDS PRESENTATION



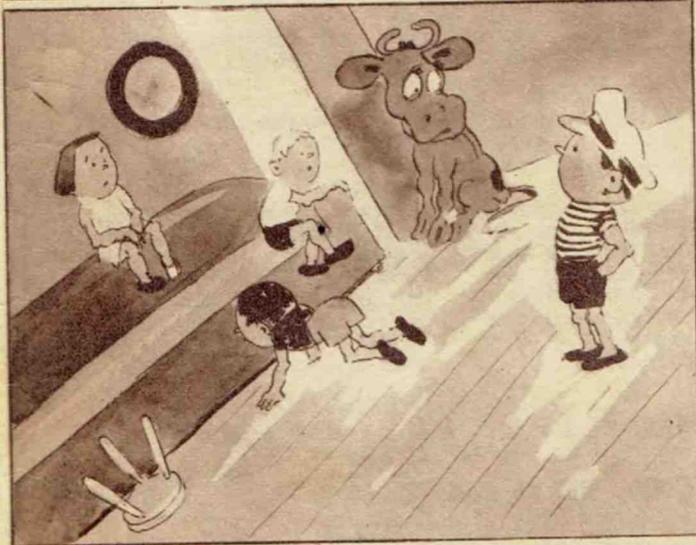
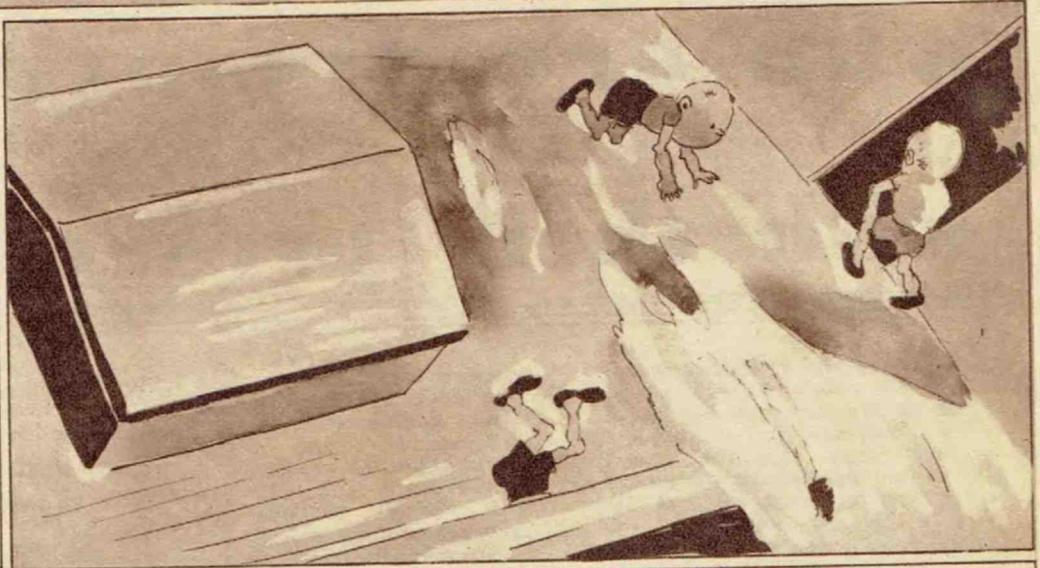
The entry of Matron Grimm into the pantry has forced Harold into a tight corner. Just when the pie was within his reach, too.



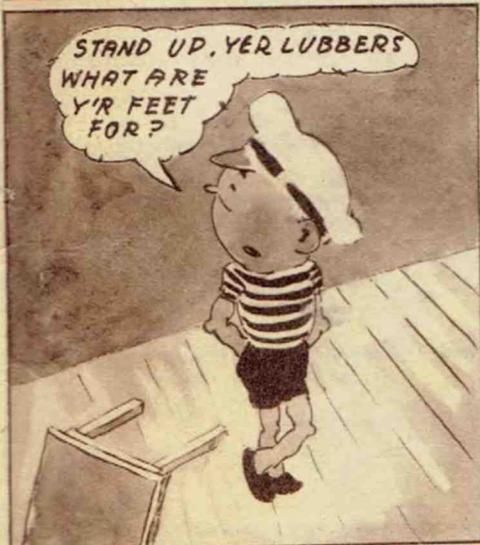
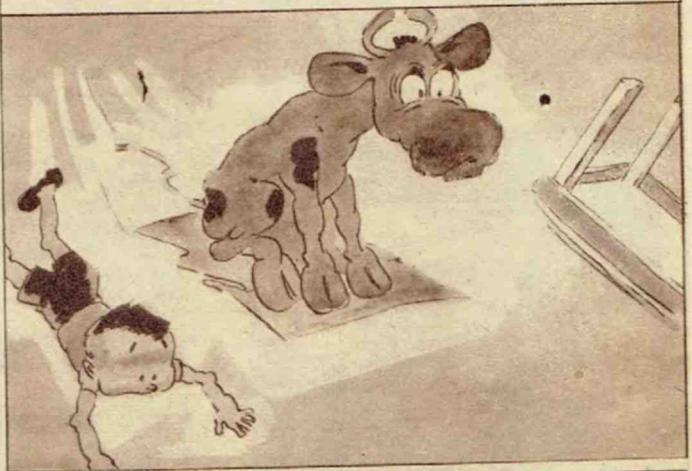
IT'S CERTAINLY A BAD NIGHT FOR HAROLD — AND A WET ONE!

THE ADVENTURES OF UNCLE TOM AND THE GANG OF 25M

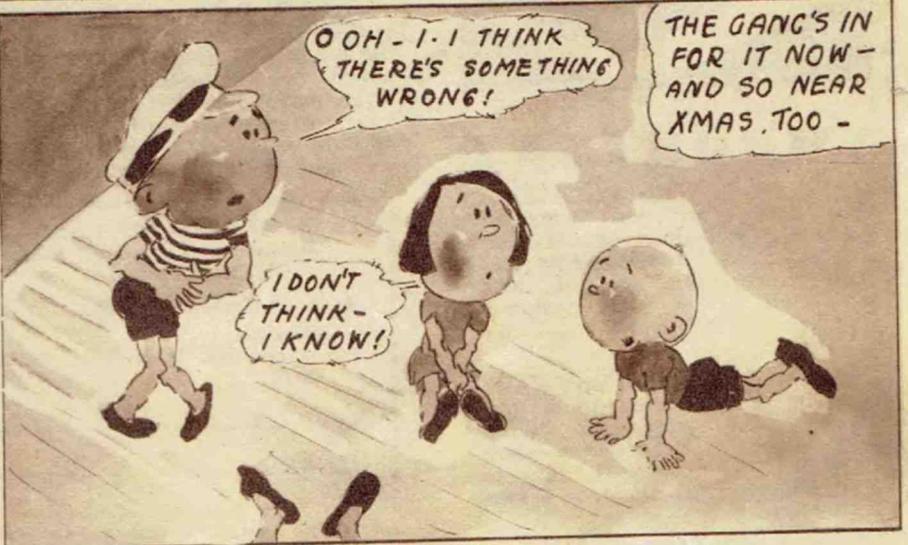
LAST WEEK A BIG WAVE SWEEPED OVER THE SIDE OF THE QUEEN MARIA AND SOME OF THE GANG CERTAINLY GOT WET—HOWEVER, THEY MANAGE TO GET BELOW ONLY TO BE BOUNCED AROUND LIKE VERY SMALL PEAS IN A WELL SHAKEN BOTTLE.



GOSH ITS ROUGH EVEN DOOR OLD STRAWBERRY CAN'T KEEP HER FEET!



STAND UP, YER LUBBERS WHAT ARE Y'R FEET FOR?



OOH - I-I THINK THERE'S SOMETHING WRONG!

I DON'T THINK - I KNOW!

THE GANG'S IN FOR IT NOW - AND SO NEAR XMAS, TOO -

ADVICE TO MEN

who are dissatisfied

with their present jobs

The business and industrial world of to-day is new and complex. Old standards are going by the board and the man who is not equipped to meet these conditions must always remain amongst the crowd—if he can retain his place at all: Why is this so?—why aren't so-called "jobs" nice and secure as they seem to have been in father's day? The answer lies in the fact that Industry is rapidly becoming highly specialised, it has no permanent place for unskilled labor, but it does, and will, pay well for **SPECIALISTS' KNOWLEDGE AND ABILITY!**



IMPORTANT

Only youths and men who are genuinely ambitious should send for this book. Radio wants men with energy and ambition, men who will devote time and enthusiasm to their work.

If you are prepared to give PART of your SPARE time to serious training the Australian Radio College will fit you for a man-sized job. If you have the urge to get ahead you are the fellow that Radio needs.

Wireless Weekly, December 16, 1938 Printed by SUNGRAVURE at Forbes Street, Sydney, for the proprietors of "WIRELESS WEEKLY."

Are you completely satisfied with your job? The prospects, do they appear good to you? Every young man reaches a time in his daily work when his position in life should be investigated. You owe it to yourself, to your wife and family or future wife and family, to place yourself in a position that will be a permanent and progressive source of income. Permanent and progressive jobs are to be found only in permanent and progressive industries. To achieve your ambitions and success in life you must—and there is no other way—you must get into a go-ahead industry.

In no other profession is opportunity more outstanding than in Radio. Yet the fact remains, men with the necessary training are comparatively few and far between—the demand actually exceeds the supply. Many times in the past, our Vocational Bureau has been

forced to refuse good positions. No matter what may be your inclinations Radio Engineering is the logical outlet for your abilities—men from all walks of life make good in Radio Engineering. Get into Radio and Radio will look after you. Radio Engineering is a fascinating, good pay profession. The future holds unlimited scope for advancement—advancement for you provided you are trained to take it.

The Australian Radio College will train you for success, and you do not need any previous knowledge of Radio to commence. You can learn in the quiet seclusion of your own home or in our modern classrooms and laboratories. Before going further why not read all about the Radio Industry and the splendid opportunities offered to trained men? Send for the book, "Careers in Radio and Television."

This booklet tells you how to make money in RADIO!

"Careers in Radio and Television" is the title of a book published by the Australian Radio College. This month you can obtain it free. It is an unusual book that tells you how you can get into Radio and how to make real money. You will read the advice leaders of the

Radio Industry offer, details of how other A.R.C. trained men have forged ahead, how you too can achieve success.

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Mr. L. B. Graham, Principal,

Dear Sir,

Please send me "Careers in Radio and Television" which I may keep free of charge.

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