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Arthur Watts and Gwan Tanner broadeasting in Uncle Tom Hudson's 2UW Children's session.

Producer Edward Howell and Reginald Dane in a 2 CH show,



Who enjoys the distinction of being a fully fledged radio star at the age of 10. Dorothy is a graduate of Uncle Tom's "Gang" and made her debut at the mike singing in the 2SM Children's Session. Her "professional" broadcasting career commenced when she was given the role of Teddy in "One Man's Family," and there's no prouder lass in Sydney than Dorothy on her way to rehearsals at the studio for this popular show. She has also taken part in A.B.C. productions, including "Cavalcade."



## Wireless Weekly

SYDNEY: Friday, June 18, 1937.

## TALKS AND ACTORS

THE Commission's proposal to import talkers is at least a bright idea: and it is not so new when you consider that until quite recently every English novelist or travel writer, having written a best-seller, would as a matter of course go on a lecture tour of America; while before that England used to import talkers from America: Emerson, Mark Twain, Artemus Ward, etc. Whether such importations may be justified, as importations of musicians can be justified, because the presence of the performer in a hall increases interest in an art; and whether the Commission intends to put on Town Hall lectures as an attempt to revive the art of conversation, remains to be seen. Otherwise we should have thought it cheaper to have talks recorded overseas.

Also, we hope that the importation of tolkers is not a confession that Australian talkers can't do the work; there has been so much lovely English announcing and talking on the air in the last few years, and so much encouragement of it, that it is a relief and a novelty to hear an Australian voice like Dr. Duncan's, for instance, entirely devoid, not of charm, but of the affectation of charm; it makes you feel that, affer listening to a shortwave relay from England, you have got one of the local stations at last. We feel that most listeners would gladly say good-bye to the charm school; and that the Commission might do well to realise that the best Australian speech is not, and cannot be a gentleman's gentleman imitation of the best English speech.

Talking of talkers, we have been suggesting for some time that what the Commission needs is one or two featured actors in contemporary plays. If the Commission can go to the expense of bringing out talkers, we feel it might have done better to bring out a couple of famous actors with a big repertoire to lead a play-a-week company for a six months season: in this way it could gain attention for its plays that could be got no other way.

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## WHAT WE SHOULD LIKE TO HAVE

## UNIVERSITY PROFESSORS

The A.B.C. announces that prominent personalities of science are to be engaged for tours in Australia. This is an extremely good policy, and we are certain to hear very interesting things.
It seems also that a closer contact is to be made with the Australlan Universities. We appreciate this idea very much, and hope that we get more of Professor Charteris. Up till now the only visible tie with our Universities is Professor Heinze, of the University Conservatorium in Melbourne, who has a high position in the A.B.C. I suppose it is his merit, at a time when we have to expect changes next year through the expiration of the Commission's term of office, that the basis of the A.B.C. is to be broadened, and we express our thanks for a good idea.
Through getting the collaboration of the Universities the standard of our broadcasts is certain to be raised to a higher level. May be that some people will complain about too much science, but it will be an easy task for the Commission to select speakers who are sure to enjoy public appreciation.
The prospective appointment of overseas scientists, however, affords a splendid opportunity also for music, It would be a great idea if amongst the scientists to visit Australia. Prof. Edward J Dent, of Cambridge, could be engaged. Who is Professor Dent? For two decades already Dent is considered as the world's first authority upon history of music. Dent is a unique exception from the customary dryness to which science is supposed to be condemned.
Dent has, of course, the profoundest knowledge of all periods of music. He was responsible for the resuscitation of Purcell's "Dido and Aeneas," of which he made an historically exact and yet thoroughly dramatic version. He knows more about the style in which works of any perigd have to be rendered than anybody else. He speaks six languages fluently, and his translation of Mozart's operas into English ("Magic Flute," "Flearo," "Don Glovanni," etc.), also of Beethoven's "Fidelio," Auber's" "Fra Diavolo," and Verdi's "Rigoletto," are the best opera-translations in any language.
Dent's greatest interest, however, is the promotion of modern music. The Professor, who is now over sixty, is the founder and president of the International Soclety for New Music (which has branches all over the world; I do not know if there's any here in Australia) This foundation took place in 1921. Professor Dent is the chairman of the Festival of this society, which takes place every year in another country, the last ones having taken place in Florence, Prague. Barcelona, and he addresses the meeting always in the language of the
country. He was the first to recognise the gemus of William Walton.

Now, if a man of science of his importance could be won to tour Australia, we would profit very much. He likes to travel round the world and to hold guest-lectures. And I think if he would come here our musical life might get a terrific impulse as to the value of what has been done so far here, and what has to be done in future. Also, the musical authorities of the A.B.C. may get the extremely competent opinions, based upon his outstanding knowledge of practical and scientific matters, of an outsider, as to the values of composers, their works, programme building, and so on.

## SYMPHONY HOUR

## 2FC, JUNE 6

The rendering of Schumann's B flat Major Symphony by the Sydney Symphony Orchestra, under the baton of Mr. Percy Code, was well rehearsed, and sounded extremely flne, if we consider


YON UJHELYI (pronounced Oo-haley), the Hungarian violin virtuoso, who will give a concert at the Conservatorium on June 15.
the faulty orchestration of this piece, which has its place still now and then in the concert halls of Europe, but is not considered any more to be a match to Beethoven, Brahms, and Bruckner.
The Chopin F Minor concerto was played by Mr. Alexander Sverjensky. When I complete his reading and the one of the "Raindrops" Prelude I heard by accident teh other day, from Isador Goodman, I must needs come to the conclusion that, as to interpretation, a number of our local artists are superior to certain visitors, who may be technical wizards and wizards of speed,
but whose interpretation is open to sharpest criticism. My congratulations to local artists. To come back to Mr. Sverjensky, I regretted that there was a minor slip of memory in the last movement, hardly audible, but which did not marr an otherwise excellent, sound performance.
The Chopin to which a colleague of mine objected the other day is the one played in pink drawing-rooms. But the sentimental picture of the sick man, sitting in his chair, surrounded by a lot of beautiful ladies, is as far from the real meaning of his music as is Tschaikowsky from Beethoven. An interpretation as the two I mentioned will always find appreciation with the most seriousminded musician.
The Symphony Hour was followed by "Everyman's Mustc." Hurrah, we've a new headifine. I am convinced that "everyman" knows his "Coppelia" so well, it being presented on innumerable occaslons, at all times of the day and the night, that there was a slight interruption of the game of bridge when the hostess went to the set and switched it off. "Everyman" reclined in his chair and said: The best thing of broadcasting is that you must not suffer to the very end.

## CONTEMPORARY MUSIC

arranged by Roy Agnew, was presented from 2BL, June 7. The little pianopleces by Percival Garratt (played well by Frank Warbrick) are modest and nice modern music, written after the pattern which was en vogue in 1925.

I discovered some motives by Karol Rathaus, and altogether the atmosphere applied generally to tolling workers, in the second period of modern music when heaps of ballets were written round this subject. As I cannot criticise my own works (at least, not in WIRELESS WEEKI, Y ), I have to conclude this paragraph.

## MUSICAL NEWS

Erich Kleiber, formerly at State Opera, Berlin, conducted concerts at La Scala, Milan, after having toured Russia, where he conducted opera.
The recording of Beethoven's Seventh, by Toscanini, shows that one can perform Beethoven without rubati and yet give a better interpretation than anybody else in the world. By the way, it is the only time that I have heard the first movement of this symphony without the rhythm being marred. This dotted 6-8 rhythm is one of the severest tasks for orchestras, even with the greatest orchestras in the world it becomes indistinct. Toscanini succeeded in making it clear and precise.
Leo Blech will conduct opera, next winter, in Chicago, Stockholm, Riga, and other places, After being music direc-tor-general of State Opera, Berlin, for 31 years, he was asked to retire a few weeks ago.
-CURT PRERAUER


## GLYNDBOURNE PLAYERS

Dear Sir--I see in the Press this week that there is some talk of the Glyndbourne Players visiting Australia next year, and it has been suggested that they be partly sponsored by the Broadcasting Commission. It is to be hoped that your Mr. Prerauer uses all his influence with the Commission to see that this visit takes place.

In spite of Mr. Prerauer's championship of cettain modern composers with arty names, I think that Mozart holds pride of place in his affections, and he must realise what an enormous stimulus to musical appreciation it would be to have a season of Mozartian opera. I have been fortunate to witness two of them at the Conservatorium, and to hear a third, "Figaro," over the air, with Florence Austral, Thea Philips, and Ben Williams. I still consider it the highlight of all oroadcasts I have heard. Incidentally, it is a pity the Commission doesn't make recordings of broadeasts such ns that one. It would be good to hear them again and again.
Mozart opera would bring to the theatre many people who have never previously heard an opera, and, once the tatent spark of enthusiasm is fanned, attendance at concerts will soon follow.

Yours, etc.,
"FIGARO."
Sydney (2/6/37).

## CHARITY

Dear Sir-Re. your editorial, "Worthwhile Talks," may I say that I heartily agree with you. I was very surprised to see on a front page of a Sydney newspaper some ridiculous criticism of an A.B.C. announcer by a Sydney clergyman. May one be permitted to wonder if that same clergyman brings as much happiness and brightness to as many homes as that particular announcer does, with his cheerfulness and his decided sense of humor?

As a very ordinary person, it seems to me that the Church's chief function of tate has been that of criticism, and I for one think that Christian charity is a much more worth-while attribute. -Yours, etc.,

Manly $(4 / 6 / 37)$.

## BRIGHTER TALKS

Dear Sir,-By importing first-class artists, the A.B.C. is certainly giving listeners the very best, in the way of music. But why not carry the same policy into the realms of talks?

Too many of these, while interesting enough in their own way, really contain nothing more than can be read by any listener who owns or can borrow the Children's Encyclopaedia, a Book of Knowledge, or any such work; while others are simply lectures, drawn from one or more text books-on subjects, moreover, in which only a small minority of listeners are likely to be interested at the moment. Then there is that brief commentary on something in the news, at $7.25 \mathrm{p} . \mathrm{m}$., which so rarely adds anything to what any intelligent person can get from the news for himself.

Surely, much more stress might be laid on Originality. Let us have fresh Ideas, new viewpoints, original theorles, something to bite on, to make us think.

Those who first heard the discoveries of Lister, Pasteur, and Jenner laughed at them. Perhaps we of to-day may prove more understanding. If not, at least give us the chance to laugh.Yours, etc.,
"REVEILLE,"
Hamilton (2/6/337).


MAIVA DRUMMOND, who plays the role of Elsa, the German girl, in the serial, "Fly by Night," which is broadeast on Wednesday nights through station 2FC at 7.40 .

## AND YET AGAIN

Dear Sir-It appears reasonable to assume that when Huberman reaches Australia the Australian Broadeasting Commission will pursue its customary policy of broadcasting a small portion only of each recital.

No doubt they will make their usual excuse that a full broadcast of the programme would decrease the attendance at the concerts, and, to assist in meeting the expense of securing such artists, it is necessary for these concerts to be well patronised. It seems to be irrelevant to them that a vast number of listeners unable to attend through age, infirmity, or location are debarred from hearing items which their licence fee has helped to provide.

To an ordinary listener a Broadcasting Commission's function is to broadcast, and if the fees for such artists as Huberman and Madame Lotte Lehmann are beyond the means of the Commission, they should confine their activities to the broadcasting of such items as their revenue will permit, and leave the engagement of such people for public concerts to theatrical concerns.

Their other reason, viz., that a full evening's broadcast of one particular type would bore the majority of listeners does not appear to be consistent with their practice at other times. For example, on Saturday afternoons the whole programme is devoted to racing and other forms of sport, and when the Test Matches are on these are given in their entirety. In any case, only one national and relay station in each State need broadcast these concerts, leaving the other national and all the " B " class stations to provide variety for the "bored" listener.

Yours, etc.,
"FED-UP."
Griffith, N.S.W. $(6 / 6 / 37)$.

## B FLAT

Dear Sir,-Has anyone pointed out to the A.B.C. their error in announcing the first Rachmaninoff Prelude, played by Moiseiwitsch last night (Saturday, 5 th), as in B Major? Both in printed programmes and at the actual broadcast this mistake was made. The Prelude played was the B Flat, Opus. 23, No. 2 (I have my copy beside me as I write).

It was unfortunate that 4 QG failed, apparently through a technical trouble, to relay the complete broadcast; also, I wonder why 4 QG announced at 10.3 p.m. that the recital had concluded? I swung over to 2 NR , and the planist was still playing.-Yours, etc.,
K. A, BEST.

## Brisbane (6/6/37),

P.S.-Have just re-read Mr. Anderson's article on Billy Mayerl. Mr. Anderson does not know his diplomas, Trinity use T.C.L., not T.C.M., with A, L. or F in front to signify Associate, Licentiate, or Fellow.

# ROUND THE ROUNDS WITH 



The two Lalimus at the aerodrome.


Detailing conviets at Rabaul.


WE saw Mr. Sullivan, the Commission's Radio Roundsman, at his flat on the Tuesday after the Monday when he returned to Sydney; he was sitting up in bed in his dressing-gown, and he looked kind of pale, and he had lost nine pounds weight in a week, and he wouldn't smoke because he was full of oplum, which, he said, dries you all up inside, so you don't want to smoke. He expected to be better in about a week.

It was a week that day since he had left for Rabaul, 2.45 on Tuesday morning; the Monday we had seen him walking about as though he were in the air already, an intense look, like an actor before a first performance; all that day he and the New South Wales Manager, Mr. H. G. Horner, had been worrying aviation companies, but the cost was too high; so they thought of the "Telegraph," and, when they got on, found that the "Telegraph" had been doing a little thinking on jts own account; so they arranged to share the Gannet, an all-Australian 'plane, formerly on the Broken Hill route; two engines and one wing on top of the fuselage; and, having made his will, and dickered around with insurance companies who didn't much like the idea, Mr . Sullivan and the rest took off at $2.45 \mathrm{a} . \mathrm{m}$., Tuesday.
They had a rough trip to Brisbane, fuelled, tea at Rockhampton, hotel at Townsville. Wednesday they left at dewn for Port Douglas, landed on the beach, re-fuelled, and left at 11 a.m. for Port Moresby, 450 miles over the Barrier Reef and coral atolls, very beautiful, went through two storms, struck the coast at Cape Melville at 4.15, and arrived at Port Moresby at 5.30 pm ., very thankful, because they were short of daylight and petrol, and when they struck the coast they weren't sure where they were. Night at Port Moresby, Mr. Sullivan motored to a fishing village with a friend, and they began singing, "Show Me the Way to Go Home," and the natives joined in in perfect English, although they didn't know what the words were about, and performed, in Mr. Sullivan's words, "a most licentious hula-hula," which he was unfortunately unable to photograph in the darkness.

## CRATERS SIGHTED

Thursday morning at 7 they left for Lae, across the Owen Stanley Range, fine weather, two layers of clouds, and arrived at Lae at 10.30. Drank coffee and sent radio messages, and left at 11.15 for Rabaul; and thirty miles to the north-west of Rabaul they smelt sulphur, and then sighted the craters, one column of white, and one black, about 3000 feet high. Ten miles northwest of Rabaul they saw the plantations and villages blanketed in a thick paste of grey mud and dust, coconut
trees elosed up like umbrellas; no sign of life, and a slight breeze blowing the dust made the ground seem to smoke.
They circled the colossal new crater belching black smoke, and the old crater was three vents of white smoke; it was dangerous flying over the craters, because the sulphur fumes getting into the carburettors might stifle the engines. Then they saw the town, covered in grey, and landed at the aerodrome between Rabaul and Kokopo. About the first contact Mr. Sullivan made with the eruptions was interviewing two lalimus, or heads of villages, who had come in to report 100 dead in their villages, who would not leave their huts, and were either smothered when the roofs fell or spiked by the broken bamboo poles.
"I asked if they were worried at their prospects, but each said that he had a good sum of money in the bank after two good copra years. Their main concern was as to the fate of their new Chevrolets."

## SMELL THE SULPHUR

From the aerodrome Mr, Sullivan went through Kokopo to the Catholic Mission of the Sacred Heart at Vunapope, where the Brothers had taken in 400 people, and were feeding nearly 2000 people three times a day. "Good meals, too. The Dutch Bishop took it very calmly, and was glad to make the most of this opportunity to serve. I attended Mass. It was dark, and you couldn't smell the incense; but you could smell the sulphur. There was a large number of Protestants at the Mass, very glad to give thanks for their survival. The beauty of the service was only slightly affected by the enthuslasm of the juvenile native choir.
"The doctor in charge of the Dispensary told me that he was trying to find antidotes to the terrific nervous shock, particularly to the women and children. There were mothers with tears in their eyes, asking us to take their children back with us. The District Magistrate said that the behaviour of the natives had been extraordinarily good; little or no panic. But before the eruption he had never seen native women cry, or men. I got some quinine tablets on the H.M.A.S. Moresby, but when I went to dine at the Mission I found they were passed down the table like salt and pepper.
"Then I received word that the Administrator would receive me, and had sent a boat for me; the Crown Attorney on board explained that what from the air appeared as though the whole surface of the harbor had come up, was only floating pumice; we chugged away slowly through this six-inch layer, and in three hours were at Rabaul. It was deathly silent, and the only lights were car headlights, casting ghostly shadows. Government House smelt dirty and

## THE RADIO ROUNDSMAN

acrid. The atmosphere kept one coughing. Incidentally, although the pumice dust rufned your clothes, the longer you walked about in it the cleaner your skin got. The pumice filed away at it, and smoothed it, so that now my hands are smoother than they've ever been.
"I talked with the Administrator till 1.30 in the morning, then slept at the police station. Our mattresses on the verandah were covered with pumice dust. At four in the morning we all started up, so many stone statues we looked, to a gurria, a quake, and another woke us at 6. One blessing was that all the mosquitoes and other insects seemed to have disappeared under the deposit.

## THE WEDDINGS END

"Friday morning we breakfasted with fruit from the cold stores; and the Administrator drove me round the town. They were taking the pumice off the roofs in slabs. One slab, four inches thick and two feet square, weighed 16 pounds. Convicts were busy clearing some of the roads and repairing broken telephone and power lines. We went down to the beach at Nodup, where the people had embarked on Black Sunday for Kokopo, Back at Rabaul, we saw the church where the wedding ended abruptly at the first explosion, and dozens of abandoned cars under the grey pumice dust; a few had been smashed up by a gentleman who thought it was his last opportunity to learn to drive. At the police station they told me that during the worst day of the eruption there had been a call from a local hotel to send a sergeant and two constables to arrest a man who refused to pay for a bottle of beer.

Returning to Kokopo in the Government schooner Nereus, the Administrator went to great trouble to explain everything. We went back to the Mission for a meal, and I talked to Mr. Reed, who had had the prize herd of specially bred Alderneys that supplied the district with milk. His farm, on the mainland near Vulcan Island, not only his cows, but his farm buildings and the trees nearby, had been buried under possibly 100 feet of pumice, and careful search falled to show even where they had been."

We said, "A hundred feet's a bit tall, ain't it?"
"Oh, no. Mount Vulcan built a pile 600 feet high in two days. Friday night I slept at Vunapope on a mattress under canvas draped over trees on the edge of a steep slope overlooking the sea; this sleep was by courtesy of the Commonwealth Bank officers, who were sleeping nearby on boxes full of a fair amount of cash. Late that night we visited the Administrator, who was sleeping at Queen Emma's house, to ask for papers clearing us through New Guinea, since we were to carry the first direct air mail from Rabaul to Aus-
tralia. He gave this very graciously in writing.
"After sleeping about an hour and a half we motored by lorry twelve miles to the flying fleld, prepared our own flares, and took off at $2.45 \mathrm{a} . \mathrm{m}$. Saturday morning. As we left we saw the lights of H.M.A.S. Moresby appearing. and the craters smoking. We reached Lae at about 6.30; refuelled; reached Port Moresby at 9.30 ; and left in threequarters of an hour for Port Douglas, but instead of stopping at Port Douglas we went on to Cairns-about 600 miles. Daylight failed us at Cairns, and after monkeying about at the aerodrome with telephones and so on, we spent Saturday night there.
"I was very ill by this time with dysentery from water I had drunk, and they got me a doctor. The hotel people were very kind, and the manager came in and told me the doctor had said I was not to go out on any account. Just to make sure, he locked me in. So I was in bed at 11, and at 1.0 on Sunday morning I got up, put my clothes on, got out on to the balcony outside my room, went from the balcony back into the hotel corridor, and so downstairs; got them to ring up a taxi, and was in the 'plane when it took off after 2.0 for Rockhampton. We arrived in Rockhampton at 8.30 ; and I went on the air from Rockhampton at 9.45 a.m. I was light in the head, and had no notes; but they say it came over fairly well.
"The same day, Sunday, in the evening, I made a national broadcast at 7.40, I still couldn't write my notes, so they took them down for me. At Rockhampton I had the first decent sleep since I left Sydney, and left by the $10 \mathrm{a} . \mathrm{m}$. morning 'plane for Brisbane and Sydney. Arrived Sydney at $5.45 \mathrm{p} . \mathrm{m}$. on Monday, when Mr. Horner and Mr. Hall met me, and brought me home here; and gave my third broadcast in bed at 7.40 p.m.

## OTHER STUNTS

"I remember very little of the actual flying, except that the views were beautiful, and the sickly smell of benzine as we poured it into the spare tank and pumped it into the main tanks. My main souvenirs are this sickness and a leechbite I got at Vunapope; you have to get them off with boiling water, otherwise the head sticks."
"You've done some other stunt broadcasts, haven't you?"
"I went up in the dogman's bucket at the David Jones excavation. I'd rather do the New Guinea flight again than go up again in that bucket. It was when I suddenly looked down, I think; and when you get up there, you do all sorts of ballet poses to try to look entirely at ease-which you aren't. Then there was the Forest Fires survey; not much in that. At the moment, I'm preparing for a coal mine broadcast from Abermain."


The Gannet at Port Morsby.


Going Up?


Up with the Dogman

# HOWLERS \& HANDCLAPS 

2KY News Commentator ( $7.20 \mathrm{p} . \mathrm{m}$ ):
She ploughed, seeded, and milked the cows.

Announcer, 2BL during news (6.50 a.m., May 4):

Mr. Stevens safd that he had found employment for twenty-three million youths in the last three years.

> 7ZL Women's Session (May 17), talk on "The Usefulness of Bachelor Girls": Where would our children be without our bachelor girls?

Ken Howard, 2 KY ( 2.18 p.m., May 19), discussing form of horses:

If any of the last three surprises, it will surprise.

Gordon Massey, 3AW ( 8.25 p.m., May 22):

And, in the meantime, rll tell you more of that later.

Edna Gillies, 2LM (10.0 p.m., May 24), describing frocks at Military Ball:
Mrs. B-, accompanied by her husband, Col. B-, in heliotrope velvet.

Uncle Bert, 2 KY ( 6.50 p.m., May 24):
When knights were bold and dark, and the darker the night the bolder the knight.

Announcer, 2UW ( 7.0 p.m., May 29), giving selections for Harold Park dogs:

Vacuum to win. That should clean them up.

Announcer of 3 DB , Melbourne ( 8.22 p.m., May 24), advertising a health dance:

And the babies to have healthy centres.

Announcer, 2 KY ( 9.15 a.m., May 24): They are wonderful blankets, ladies; just the sort of blankets you like to tuck under your chins-I beg your par-don-under your chin.

Announcer, 4 TO ( $9.15 \mathrm{pm}$. . May 25): You have been listening to the Broadway Dance Band-six musicians all playing something different.

Announcer, 2UW (May 25), during wrestling match from Sydney Stadium: I see Mr. and Mrs. Foster down here on my left, and there goes the bell for the fifth round, and they meet in the midate of ring and fall into the referee hold.

Community Singing, 2BL ( 12.38 p.m., May 26):

You've never been here before? Well, that's splendid.

## The Week's Best

Sent in by Miss J. Anderson, 342 Mowbray Road, Chatswood, who wins this week's prize of $10 \%$.
2GZ (8.33 a.m., May 28):
The Director of Education states that it would not be advisable to abolish children-I mean homework-from the New South Wales schools.

Announcer, 2BL ( 4.15 p.m., May 26): will be played on the Wurlitzer organ, which is called "mighty," of course, because it is so much bigger than a mouth-organ.

Announcer, 2BL ( $6.50 \mathrm{a} . \mathrm{m}$., May 27 ): (reading news from the paper):
Much of the rain was sown on dry land-er-much of the seed, I should say.

Judith Anne and her Uncle John, 2BL (9.0 p.m. May 27):

Now will you do me the honor by taking my arm into dinner?

Speaker, 2BL ( 7.5 p.m., May 27), speaking of ships:
They're like great butterfties with their sails up.

Noel Judd, 2GB ( 4.45 p.m., May 27), advertising comedy session:
"Radio Pie" brings all the nit-wits round the radio.

Announcer, 4 MB , Maryborough ( 9.30 a.m., May 28 ), reading out recipe for orange cake:
half a pound of sugar-er, wait till I have a scratch-

Will Kearns, 2KY ( 6.5 p.m., May 30) : I found her lying on the bed, so I picked up her pulse and felt her hand.

2UW (11.50 a.m., May 30), announcer advertising butcher:
There is meat and meat, but the Quality of your meat depends on the quality of your butcher.

Mr . Prentice, Celebrities in Cavalcade, 2UW ( 1.30 p.m., May 30):
The first prize goes to Miss Phylliser, well, she doesn't say she is Miss, but I think she is, judging by her nice handwriting.

2 KY ( 8.35 pm ., May 30), Argus supplying cure for sleep-walking to distressed correspondent:
If you see a person walking about the house in his sleep, wake him up gently before he gets out of bed.

Announcer, 2BL ( 8.38 p.m., May 30):
The dead youth passed away in a few minutes.

Frank Harty, 2UE (3 p.m., May 31):
Women are not only women, but mien also.
J. M. Prentice, 2UW (2.4 p.m., June 1):

And we have a nice, bright programme for you this afternoon-we commence with Gounod's "Funeral March of a Marionette."

Dr. Lloyd Ross, 2 KY (11.10 a.m., June 1):
He suffered unbearable torture.
Prof. W. J. Dakin, 2BL (7.16 p.m., May 31):

A smoggy-a smoky, foggy Lancashire town.

Edna Gillies, 2LM ( 3 p.m., June 1):
Now the time is three oclock, and you probably have fust heard the shop climb; I mean the clock chime.

Bryson Taylor, community singing. 2BL (8.15 p.m., June 1):
What a pity we didn't have listeners -er-television.

Announcer, 2 GZ ( 10 p.m., June 1 ):
Keep your seats and stand by.
Bryson Taylor, 2BL ( 8.10 p.m., June 1) community singing:
We have winter upon us now, so we must have something nice and warm and cosy. What about "John Brown's body?"

Mr . Collins, 2 KY sporting session (10.20 a.m., June 2):

Children with parents under the age of 12 .

Announcer, 2BL (9.15 p.m., June 3):
His horses were taken from his carriage and drawn through the streets of London by his many admirers.

Miss Hilda Mulligan, 2 SM ( 9.29 p.m, June 3).

When I finished, I stopped.
Mr. Nossiter, 2SM ( 9.9 p.m., June 3):
On account of the unknown islands we visited.

Albert Russell, 2GB ( 5.20 p.m., June 3 ),
giving birthday call:
We are so sorry about that call for
the little girl going astray.

## BETIWEEN YOU AND ME AND THE MICROPHONE <br> More Pictures <br> ing the torch songs, etc.; a little girl with a deep voice, one of those rich

LAST week I promised to tell you about Miss Diana Reeve's wedding, who is now Mrs. Harry Gould; in spite of Mr. Sullivan being away, they were married at his place, and afterwards there was punch.
This punch was made with rum, to which was added brandy and curacao and orange juice and sugar; this is true, because I helped to make the fifth bowl; so when we woke up the next day, that is, Sally and I, there was not much to be done but wabble weakly into work, doze through the afternoon, and be present at the early evening performance of "After the Thin Man"; which I said I would go to with a broken leg, and it wasn't a broken leg I had, but I felt pretty broken up, and fit for nothing else than looking at pictures.
And I defy anyone to say that "After the Thin Man" isn't a good show. I don't mind your saying that sequels are never quite up to the originals; but firstly, you have William Powell and Myrna Loy, who sort of fall into the parts naturally, and then you have the author of the work -I always forget his name-he is a sort of Webster or Cyril Tourneur, of the detective-novel; he has their loye of dark doings, their pessimism about human nature, their preoccupation with those moments when men and women metaphorically take their clothes off, when their passion lights up very dark corners; there it stops, and you won't find much of it in the films; nor is it realism, really, but an arrangement of situations to serve the author's purpose; but some of it gets into the films in the form of a more reasonable treatment of men and women, and then, there is his wit; and he is specially good with tough people. like the little dancer girl: you hear what she sald when the policeman searched her coming up the stairway?
And you can put up with a lot of bad work for the sake of a little more reasonable treatment of people; you go to these Hollywood films, even the best of them, and the main idea seems to be that if the girl gets the man in the end, in spite of the villain, everything will be all right; whereas, who ever tries to stop anyone getting married?. People just socl you on; as soon as they hear you're trying to get married, they surround you with kind thoughts, so that, once you have said something about getting married, it is harder to get out of it than go on with it .

But I suppose most films are made from the point of view of women; and from this point of view, the get-the-right-man film is just the thing; because a woman either is still waiting to pull up the happy lobster pot, in which case the film supplies hopes

and hints, or she has pulled it up and got him broiling a nice comfortable suburban-tile red, in which case the film re-creates for her the dark and cold mornings when she put out to see if there was any luck to-day, and the supreme joy she experienced when she pulled up her rival's lobster-pot, and took him away from that awful creature for good-I suppose that is where the average woman's dramas find a graceful curtain, with lobster supper for the rest of her life.

I hope you get the picture of that poor lobster dragged out of his home, flopping about in the bottom of the boat, his claws draggling about on the boards, his tail weakly wagging, and the helpless and unutterable despair in his pop-eyes.

As for me, I can sit out the machinery of such pleces; stage machinery will drag you through any play if it is properly handled; but I like something better. As the man clasps the girl in his final embrace, I find myself having to go home with Sally and $g o$ on living; I am aware that this sort of thing we have been seeing has happened before; whereas, after a vaudeville, or a plece like "The Thin Man," where you haven't been asked to believe in Santa Claus, you don't get such a feeling of being let out into the cold.

Then Mr. Martin, of the Liberty Theatre, rang me up, and said he had a good show with overseas broadcasting artists if I wanted to go; so feeling very flattered, I said yes; Monday; and not till Monday did I remember that I had to listen to my friend's poems set to music by Mr. Curt Prerauer; which Miss Selva sang excellently, only I told Ronald he was not so much a poet; he should be doing the inscriptions on tombstones: and so Mr, Martin kindly put it off till Tuesday night, when we went to see "Top of The Town"; when we got there, the lovely girl behind the ticket counter said, "Oh, yes, Mr. James" -knew me at a glance-and giving me the tickets, a lovely smile: "I hope you enfoy the entertainment, Mr. James": so I was saying to myself going up the stairs, this is going to be a real good show,

Well, it wasn't a marvellous show; but it had its good spots; it was really a clever plot to take in various variety turns. The one I liked most was Gertrude Niesen, the girl sing-
voices that go up and down your spine like sandpaper; they don't so much sing songs to you as do things to you; you feel such things should never be expressed in public, and that is how I like to feel. Didn't like the little larrikin singer. Hated the heroine-Nolan, I think she was-I felt that young Mr. George Murphy would have been better off with the torch singer who loved him. The herome was the niece of the millionaire who owned the building he was leading his band in, and she wanted to bring Russian and surrealist ideas into the cabaret business. Her uncles threatened to sack Cleorge if he didn't put her out of his show, so he tried to frighten her off; then she went of her own accord; then when she understood he had tried to frighten her off, she gets control of the new cabaret from her uncles, and put on a show half cabaret and haif highbrow entertainment, in which the public likes George's cabaret show, and not her highbrow show-the Americans are afraid of symphony orchestras, and never lose a chance of kicking them publicly.
Hugh Herbert and Gregory Ratoff are good enough; but the best act is the three sailors; they tie themselves into camel, a gondola, and a Volga boat; and as a Volga boat, they row off the stage (or is that the gondola?). Wasn't it Mr. George Murphy that used to appear wlth Nancy Carroll? His gestures are awful; almost as unnatural as Myrna Loy's conversation with the dog, which I nearly forgot to note; when he's trying to convince someone, he jerks his right hand about in a good-fellow manner that makes you squirm-ever watched a young man trying to do man-of-the-world gestures?
I got quite a shock when I first found that gestures were important with salesmen and commercial travellers; one of the most deadly things a commercial traveller can say about a rival is, "Yes, he'll be all right when his gestures get better"-just the art of moving your hands about, but I suppose it means as much in business as in the films; and you never see how important it is till you see how it is when it's done badly; so if you don't go to the Liberty to see the Niesen girl, or the terrific cabaret set in the last scenes, or Hugh Herbert, or the sailors, you might go just to see George Murphy's bad gestures; I propose it to you as a new entertainment; concentrate on the gestures of all the actors; maybe it revive your interest in films. I hope the lovely young lady won't feel she smiled in vain.




Each Sunday Night at 10.0 p .m.
Each Monday, Tuesday and Thursday at I pom.
$V$

"MILADY'S FAVOURITES"
Here is a session fragrant with romance, for it tells of those things dear to the heart of Milady. It tells of them as the great musicians have expressed them in song and melody. Whatever your favourites may be, you will find them in this delightful novelty session. Each Tuesday at 7.15 p.m.


# FBIII 

## 2FC 7.40 <br> RAGGLE TAGGLE GIPSIES

(Arr, by the Leader)

Gipsy Fete
Gipsy Fete Memories of Podoll ii . . . (Llossas) (Air, by the Leader)

## 2FC 8.0

## THE SHAMROCK AND THE THISTLE

Song and Story of Scotland and Ireland Footuring SYDNEY MacEWAN No. I: "OVER THE HILL CAME LOVE" STRING QUARTET AND HARP Under the Direction of PERCY CODE

Production: RUSSELL SCOIT

## 2FC 8.35

## A BRASS BAND RECITAL

## THE N.S.W. GOVERNMENT RAILWAYS' INSTITUTE BAND

Conducted by CHARLIE COUGHLAN
Assisting Artist: VIRGINIA BASSETTI, Contralto BAND-
March: Black Fury dood
 Selection: Lady
A Cornish Chorus $\qquad$ Float, Listle Boat
Hils of Home .
 BAND
Fantasia: Smithy in the Wood
Tin 'Soldier's
Pantasia: Smithy in the wood $\operatorname{Chin}$ 'Soldier's .. (Jessel)
(Rimmer) (Gershwin) Buchanan) (Mallinson) ... (Fox)

Michaelis)

2FC SYDNEY.
MORNING SESSION
2.30: Marching Muste for School-

## chtldren (r.)

9.35: Morning Melody (r.).
10.0: British Ofliclal Wireless News
$105 . \mathrm{A}$ Musical Interlude (r.).
10.30: A Woman's Comments on 10.45 . A wopan
10.45: A Woman Lawyer win speak ANCES: ${ }^{\circ}$
11.0: A Musleal Interlude ( r )
11.10: An Organ Interlude (r.).
11.30: Close.

## MID-DAY SESSION

120: EDUCATIONAL SESSIONBROADCAST TO SCHOOLSPRIMARY: "NATURE STUDY." Mr W. L Brown, Public school, findfleid East, will give a "Garden Talk"-"Roses and shrubs."
1220 A Musical Interlude (i) F-
12.25: Metropolitan Forecast and Westher Synopsis, Speclal Produce Market Sescion, supplled by the state Marketing Burean.
1245 : "AT HOMS AND ABROAD," WATCHMAN."
1.0: A Glance at the afternoon Sun.- Cables (Copyrighit) from the Australla Assockited Press. River, Helghts and Ralnfali
1.15: Stock Fxchange and Metal Quotations
1.27: Marching Music for School

135 Mrentical tems (r)
1.55: Stock Exchange. Second Call. 1.67: Programme Announcements.
2.0: Close

## AFTERNOON PROGRAMME

2.30: EDUCATIONAL SESSIONBROADCAST TO SCHOOLS SECONDARY - "GEOGRAPHY," Miss B. Clarke will speak on (Seoul) to Petping."
2.45: Mr. C. R., Dihig, A.I.C.A. wii speak on "Some Industries and Accomplishments of the Japanese" "ADVENIURES IN MUSIC." PROFESSOR BERNARD HEINZE, 30.

Written by EDMUND BARCLAY EPISODE THE SIXTH:
"DOWN FROM THE HILIS." Down from the hills they come in premsture rising, the fanatical Arridis. But Colonel Dalrymple and his Khyber Mounted Ritites are waiting to meet them, and the rebellion is crushed at the outset
CAPTAIN GALAHAD GARVIE, COLONEL DALRYMBLE COMmanding the Khyber Mounted NOBBY CLARK. Garvie's Orderl SUBARDAR PRAG TREWARI, a SEPTIMUS DEEMING
MYRA. His Daughter
CHUNDER LAL, the Babu.
RUSTEN Alf, in Atridt Chlef. LAWRENCE H. CECIL,
4.0: Close.

## EARLY EVENING SESSION

5.0. Musical Items (5.).
5.26: A Musical Interlude (r.)
5.30 YOUNG PEOPLEE SESBION THE VALLEY OF ADVEN. A Story of the Far North of Aus-

AY
tralla, by E, V, TIMMS.
Production: ELLIS PRICE

### 5.40: A Story

5.40: A Story,
Kerwin Maegraith will give a Sketching Talk,
7.0: Finner Music ( r. .

Framme. 7.2 : Din To-night's Pro-
grasic (
EVENTNG SESSION
7.40; "RAGGLE TAGGLE GIPSIES." Gipsy Fete .. (Atr, by the Leader) Take Your Fiddle, Gipsy-Tango
Souvenir of Ukraina (Traditional 7.55: Interlude ( r ) by the Leader)
8.0: "THE SHAMROCK AND THE
8.35: A BRASS BAND REOITAL 9.10: Interlude (r) Panel)
9.10: Interlude (r.), OF ARMS" 9.35: STATE PROGRAMME-

Interlude (r.).
$9.40:$ A LiGHT
9.40: A LTGHT OROHESTRAL 10.20: A TWO-PIANOFORTE RE10.30: Interitede ( I, )
10.40: Meditation Musle (r.)

1i.25: Late Official Weather Fore-
cast, and Late News from "The 11.30: Close.

## 2BL SYoNer. <br> 740 Kilocycles

 OPENING SESSION6.30: G.P.O. Chimes and Opening 6.32; Meteorological
6.32; Meteoroiogical Information,
6.35: Mails and Shipping Infor-
mation and Can-up Notices from
6.40: Brief Market Reports.
6.40: Brief Market. Reports.
6.45: Morning News from the
6. Sydney Morning Herald,
8.50: Cables (Copyright) from the Australlan Associated Press and 7.0: Morning Musio.
8.0: Morning Musto (r), Norning News from the "Sydney Morntng Herald."
8.5: British Official Wireless News Service and Cables (Copyright) from the Australlan Assoclated Press. the Australlan Associato 8.15: Morning Music
9.0:
(r.)
TAL
ORDELL
TELTS A 9.30: Close

MIDDAY SESSION
11.30: G.P.O. Chfmes and Announcements, An Orchestral Interlude ( r. ).
11.53: Stock Exchange, First Call. 12.0: Specches in connection with the Clvie Reception to the South African (Springboka) Footbaliers, 12.30: FROM THE SYDNEX TOWN

COMMUNITY SINGING Assisting Artists:
CRAYDON AND SHAND, BEITY LAMBERT, Soubrette, MAY, JUNE and JULIE, 2.0: Afternoon News from The Sun." Cables (copyright) from the Australlan Assoclated Press. Metropolitan and Scctional Forecnste and Weather Synopsis. Rainfall Registrations. What's on the air this Afternoon? 2.30: Musio of the Moment (r.). asical Interiuce (r.).
RADIO MATINEE
3.0: FROM THE SYDNEY SHOW Official Opening
THE ANNUAL SHEEP SHOW.
3.30: Interlude (f) KOSL TRIO,

SYDNEY THOMAS, Baritone. SYDNEX THOMAS, Bartone Thio-A in Bien Aimee (Schutte) By the Brook ... (Boisdeffre) By the Brook .. (Boisdetfre) Berenado ${ }^{\text {BARTONE }}$.. .. .. (Herbert By the Taj Mahal (Naclo Brown) Love Songs (Mischa Spollansky) TRTO- Vale 4 (Godard)


## FRIDAY

A Summer Night Intermezzo Under Your Spell Amigo TRIO Valse Bluette
Satiot Safiut d'Amour 4. 25 : Murche Militaire Interlio 4. 30. CHAT OVER THE (5.). 4.35: Trade Demonstration Muslo 4. 55: Stock Exchange, Third Call. EARLY
EARLY EVENING SESSION 5.30: Summary of the Day's Sales
at the Antiual Sheep Show. 6.15: Weather
6.15: Weather Report, Stock Exchange Report, Geveral Market Produce, and Fruit freport and plled by the state Marketing Bureau. Wool sates, Whea 5. 45: Musicat Truck Bookings. 6.50: The A, B.C. Racing Com7.0: NATIONAL TALK CURRENT BOOKS WORTH MR VANCE PALMER

7.30: Local Nows.
7.35: Masloal Interlude (r.), What's on the air (o-ntght? EVENING SESSION
8. A: AN EVENING OF OELEBRITY 9.45: NOTHS FROM HOME, by 9.55: SPORTING PREVIEWB.
10.25: Late News from - The Sun 10.30: Close.

## 2NC

NEWCASTLE
1230 Kilocycles
6.30 to 9.30 : Relayed from 2 BL . 9.30 to 10.0 : Relayed from $2 F C$. CATHEDRAL: Organ Rectal by 10.30 to $11,0:$ Relayed from 2 FC . 11.0 to 11.5: FROSt NEWCASTLE
STUDIO: Ohat Over the Teacups 11. ${ }^{\text {by }}$ oelli starneld. Courtesy of the "Newcagtle Morn-
Ing Herald." Ing to 11.15 to 11.30 : Relayed from 2 FC . 1.22 to 2.0 : Relayed from 2 BH . 2.30 to $4.0:$ Relayed from 2 FC 6.0 to 6.30 : PROM 2 NO NEWCASSesston Sy Cecly Sull Sporting Gession, by Cecily Sullivan.
Gent. ford Hooser,

## 2NR NORTHERN RIVERS,

6.30 to 9.30: Relayed from 2BL 9.30 to 11.30 : Relayed from 2FO.
12.0 to 1.25 : Relayed from 2FC. 125 to 1.25 : Local News from The Grafton Examiner,
1.35 to 2.0 : Relayed
1.35
2.30 to 2.0 Relayed from 2FC,
4.0 . Relayed from 2 FC . 5.0 to 6.0. Relayed from 2FO,
6.0 to 6.15 2NR Studio-Loca


## 2CR CENTRAL REGIONAL 550 Kilocycles

6.30 to 9.30 : Relayed from 2BL
9.30 to 11.30 : Relayed
12.6
from
2 C
2F
12.0 to 1.25 : Relayed from 2FC,
1.25 to 1.35 : FROM 2CR STUDIO News Service, by courtesy of the to 2.0 : Relayed from 2 FC 230 to 4.0 : Relayed from 2 FC ,
5.0 to 6.0 Relayed from 2 FC ,
5.0
6.0
to
6.15 : Relay from 2 OR STUDIo
6. 15 to 8.0: Relayed from 2BL,

## 2UE <br> SYDNEY

950 Kilocycles
6. The Alarm Clock, with Allan
Toohey and Vernon Sellar 6.15 : Toohey and Vernon Sellatyin.15;
Weather, Markets, Shipping,

Thomas (Arensky) (Schwarta)
Schwartz)
(Drigo) (Eigar)
and Clift Curby IPianist) 80 Bright Musto 8. 10 : News from
 Morning Melodies.
8.30: Randwick Track Highlights. 8.45: Music, 9.0 : Muste Brings Memories, 9.30 : Down Harmony Lane.
10.0: Women's Interests -10.0 Greetings and Club MovementsMrs. Flmer, 10.30: Morning Tea Session. 11.15 : Health Talk -20 UE Radio 11.15: Health Talk - $20 E$ Radio Matron,
and Recfpes.
12.0 : Serial Story-Si Meredth
12.45: Gardening Chat-Mr. S. H Hunt. 1.0: News Service. 1.10 Bright Luncheon Music.
Afternooneen Ourlielves" - An Arternoon Session conducted by faxak Scurge Harty; Re Radio Adviser on Life's prob lems. 3.15 : Liting Melodies. 3.30: Story Read by Frank Harty: 3.45: Humorous Interlude, 4.0 : Goodie Recve Entertains. 4.30 Musfal Memories.
8.0: A Musten! Cocktatl. 5,45: New Rocord Releases. 6.0: Dinner Matic, 6.10: Saturday's Sport the Fix.
To-day.
6.30: Racing Preview, 6.40: Dinner Music. 7.15: Musto of Today. 7.30: News Service, 7.35 Mruitc We Remember. 7.45: Today's Love Songs.
大 R.0: THE MUSICIAN'S 8.30: Quick Stepping Rhythm

Racing Talk, 8.53; Murie. 8.45 , $9.0:$ "POLITICAL AFFAIRS:
BY AR, A, H, HAUPTMANN, 8.15: Poputar Music and Musiclans. Q.30: Sporting Editorial, 9.40 : 2.30: Oreat Races of the Past, presented by Eric Ashton. 10.0 Out of the Band Box
News Bervice, 10.20 : Musle.
1 10.30: FEATURE DANCE 10.30: FEATURE DANCE
PROGRAMME PRESENTED By ERNEST WALSH.

## 2 CH

## SYDNEY,

1190 Kilocycles
.45: The Good Mornine Man. 8.0: Early Morning Merriment, 7.15: Syncopation Spolight, 8.0: Hints to Motorists 8.30 ; They're oft to School 8.45: Mothers Session,
$9.30:$ Australlan Women's Leigue 9.30: Australlan Women's League
Session-Janet Austen. $9.50:$ Brit-Session-Jane: Austen, 9.50 . Ish Officlal Wireless News,
0.2: Morning Devotion-Mr; H. D.
Priestley. 10.23 : Musie. Priestley, 10.23: Musse, 10.30 : The Qulet Quest: $10.45:$ Micro-
phone Melody, 10.57 : Public Health Message
Heaith Mossage.
$1.0: \mathrm{Eb}$ and Zob. 11:10; Musle
11.45 : Look up and Latugh, 11.50 : 11.45: Look up and Laugh. 11.50: 2.15: Planoflage, 12.30: Musio, Fale or Exchange. 12.45: Mustc.
1.0: Conducted Conducted by BOB STRO-
2.2: Music. 2.45: Roadway of Romance. 3.0 : Talks from RevelTime Tunes. M.30: Orchestras of the World. Fairy Godmother, $530:$ The Hello Man's Children's Seanion. 6.0: Dad and the Girls. 6.15: Din-

- 6.30: THE KNIGHT BARNETT AT ORGAN.
6.45: Dinner Music. 6.50: Weather. 7.0: Musle. 7.25: Speclal Programme. 7.30: The Harmony Parade. 7.45: B.0: Desfen for Music.
8.0: Design for Music. 8.20: Music. 9.20: Nattonal Melodies
+ 9.45: CALLING all sports. 10.15: Rendervous with Rhythm.
$10.50:$ Medtation and Musich Ciose.


## 2BL 8.0 <br> AN EVENING OF CELEBRITY RECORDINGS

Arranged and Presented by ROBERT McCALL THE ST, LOUIS SYMPHONY ORCHESTRA- (Haydn)
Drum Roll Symphony ..................... SAMUEL, BARBER, Baritone, with String QuartetDover Beac ELLY NEY, Planist, with Symphony Orchestra-arts)
Concerto in B Mat Major (K.450) ... .. (Mozart) MARGIERTTA PERRAB, SopranoII Scraglio Martorn Allet Aeten io © Concerto in E Minor ALFRED CORTOT, PianistChopin Studles.

2BL 9.45
NOTES FROM HOME BY SYDNEY MacEW AN

## 2GB SYDNEY 870 Kilocycles

6.0: Morning Session-Jack Davey. 6.45: News. 7.0: Music.
7.15: Jimmy Qampson and his HIII Billy Boys. 8.0: New
3.5: Around the Breaktast Table. 8.15: Freda and Rita, 8.30: Musle. 8.45: Dorothy Jordan's Guild: 9.45 : Musical Presentation-Noel Judd 10.15: Cookery Talk by Dorothy Jordari, 10.30: Musteal Sesslon Judd Musleal Programme-Noel Judd. 11.0: News.
Vautier. 11.15: Doroth-D Vorothea Vautier. 11.15 ; Dorothea Vavitier

- Music. 11.45 ; Dorothea Vautier - So They Say, 12.0. Musto.
12.15: Mr. R. E. Bennett-"Book Reviews," "Thife in the Animal World," by Shoosmithe Anma! Music, Hettle Templeton-Music. .0: News Reon Sesslon-Jack Iams daine, Stelzers Happiness Olub 30: Mrs. Stelzer's Happiness Olub. .45: Dorothen Vautier-Musical 3.0: Mr. Colin Francis-"Book ReViews," "The Road to War," 3.15; Musil. Russell-Melodies for Madame.
3.45: Goodie Reeve conducts the Afternoon Session. 4.0: Goodle Reeve Songs at the Plano. 4.30:
Miss Savile's Setston Miss Saville's Session.
4.45: Auntie Goodle-Songs to the
Tiny Tots, Tiny Tots,
5.0: Children's Session, conducted

> y Uncle Geor

## C 5.30: KRAZY KOLLEGE.

5.35: Children's Session continued. 5.45: The Children's Newspaper, 0.15:- Twenty Thou

Under the Tea by Tales Leagues
6. 30 : Dinner Minir Jules Verne.
6.00: Ehnoer Monte 6.45: Music.

Screen. 7.15 : Music
2.30\% HIGH FREQUENCY-A B.S.A. PRODECT
Organ Trosures.

Coming Events.
8.0: Popular Varieties.
3.15: Prank Watanabe and Willam.
8.30: Debroy Somers Band-A Mum
cal Comedy Switch (arr. Hail).
9.0 : JACK LUMSDAINE-the

RADIO RASCAL-Songs at the Piane.
 HIS PENNSYLVANIANS,
10.0: 2 GB Nows Review
10.15: N.R.M.A. Service to Motor-10.30:- The Last Min
auta the 10.35 Mnute Flshing 11.0: Sinmber Music. 11.25: News

SYDNEY,
4.0: New Zealand Breakrast Ses. slon 4.30: Countryman's Breals. fast Session. Shlpping.

Dalryman's Interests $-\underset{5, \text { J. A. }}{\text { Jtock, }}$ Station Crawcour, $\quad 5.30 ;$ Stock, Station ind Produce Notex 6.0 : Orchard try Farming-W, C, Hardy: 6.30: An Early Breakfast, 7.5: News Multary Band.
20: George Biwards and Nell Stirling in "Darby and Joan." T.45: Light Muste, 9.0: On ParMinutes of Molody Moods. 9.41: Minutes of Melody
.45: Miss Mandola-Banfo. 20.0: Between Ourcelves, 10.5 : Morn-
ing Tea.
10.10: A Stary Teller-Eric Scatt. 20.25: The 2UW Guest Artist, 10.40: Musical Comedy Selections. 1.0: Katy and-John-Hilda Morse Light Lyrics, 11.45: Dr, Frederick 12.0: Vocal and Instru0 mental Muste

## : Musical Mitince. 3.0: Mat-

Prelude to Afterighight. 3.30:

* 3.45: AN EAsy Chair and SOME BOOKS-J, M, PRENTICE,
1.1:- Musto of To-day, 4.45: Radio Pletures Newsman, 4.45: Radio Nursery Rhymes. Sessfon, 5.55 : The This: of the Town. 6: George Edwards in "David and Dawn tinder the Southern
Oross." $6.15:$ Dinner Masic. 6.50: SPORTING SESSION, CONDLCTED BY CHARIES TIONS FOR ROSEHILL AND CAONFFOR
2.10: Wrestlers Voice Opinions.
7.15: Orehestral Selections.

30. Something For Everyone. 7.45: ANGLERS WEEKLY
GUIDE-0. J. LETGHTOV.
8.0: World Pageant of Sport. 8.15:
 Arthur Rubinstein, Planist. 8.45: Feature Recordings, 9.0 :
Musie from the Fims, $9.15:$ Comedy by the B.B.C. Dance Orchestra.
30 - Symphonlc Dance Arrange. ment of the Classes Arrange 9.45 Christian Science Programme, 10.0: Fimous Composers 10.15: The savoy Operas, 10 30: Or: chestral Highlights. 10.45: Snappy
Rhythm, 11.0: Musfeat MiscelRhythm, 11.0: Musical Miscel2.0: Vitality In Rhythm - Henry Gregory Entertains, 12.30: Keep-
ting the Parly Going, 1.0: Cheerio Clise 1.30 : Winding Up the Clock. 2.0: News Flashes, 2.30 :
Hospital Nurses Hospital Nurses Supper Session.
2.0: British and Conimental Re-

## 2SM

mack Tenor) 6.5: Breakfast Session. 6.10
News. 6.30 The News. 6.30 . The Ltsteners ' Cholce
$6.50:$ arice 6.50 Music ${ }^{7.30 t}$ The R1steners
Choice. 8.0: Muste, 9.0 Close.
 5.0 : Uncle Tom and His Gang. c.0: Angelus.

ES: Dinner Session-John Tuttell.
baif Matches- 8 . Nagle. 7.45 : The Ballideers. - BOOKMAN'S TALK.
9.0: "THE AMATEUR HOUR" -COMPERE, JOHN DUNNE, 0. Fiano Request Session. Find of
When You Come to the End the Day-Paul Oliver. 10.30: 2KY

## SYDNEY,

Day Sesslons as Frlday, except; A0: Afternoon Story-Captain Bairnsfather. $2.30: \quad$ Smaing
Thru-Myra inru-Myra
4. 25: Melody Session-John Harper. dren's Competitions, 5.30: Dtnner Divertissements
6. 20: Debating with Ben Mason. and Uncle Bert 6.37; Spot of Humor. 6.45 ; Radio Snapshots. 70: Rufe Naylor,
Race Toples A. W. Daytary.
7 30: Masic. 7.40: Reg. Martin.
ard 8.15 : CAVAICCADE OF AYIA3. 30: Sports Shorts.Andy Fianagan, 8.45: Musie, 9.0: Saddies
and Songa-H. C. Colitns. 9. 25: Ring Radios-E. C. Turner,
9. 30: Studio Feature. 10.0: Radio Rhythin. Feature. 10.0: Radio 10.30: Happy Hour-Gerry Hard11.15: Variety Musio. 12.0; Close.

## 2GZ

CENTRAL N.S.W
990 Kilocycles
6.30: Musle, 6.35: Weather. 6.40 : Parmers' Sesston, 6.50: Producers Service Session-Wool $7.0:$ Producars' Calendar. 7.5
Nows and Weather. 7.15 : Musical Programme. $7.30:$ Some Marching Tunes.
50: Local News Service, 8.0: Prozramme Projects. 8.5: Popular Recordings, 8.30: Datly News and Britich Official Wireless News
$8.40: \mathrm{Mcsic}-9.30$ to $11.0:$ Close $8.40:$ Mesic, 9.30 to 11.0 : Close
1.5 : Homecraft. $11.20:$ Menus. 11,35 : Correspondence. 145 Talk by the Australtan Aerial
Medica) Services 12.0 : Middes Medica) Services, 12.0 : Middas
Melodes. 1280 , Locit News dnid $\begin{array}{ll}\text { Melodies, } & \text { 12.80: Locht News and } \\ \text { Sporting } & 12.40 \text { : Midday Melodles }\end{array}$ continiced. 12.55: Programme projecis News Wireless Wiresess Newr, 1.5: Luncheon
Music. 1.15 : Weather, 1.25: LunMusict 1.15 : Weather, 1.25: Lun-
cheon Muste contintied. 2.0 to Musi
Clove.
3.40: All and Sundry, 3.30: Mosic, $3.40:$ All and Sundry.
3.55 . Paney Free. $4.10:$ Jewela
4.55 : Modern of Enchantment, 4 25: M
Melody, 4.40 : Qalet Time. 4 Melody, Tiny Tots Session 5.0 :

## + $\mathrm{H} 15:$ THE GROCER AND

 630: Dinner Muaic continued,6.45 . Mr. and Mrs, Erorybody,
b.ts: Tur! Preview-A Raclng Talk
7.0: Prorybody.
by Tom Ellis. 7.15 ; Renmme of Wool Reports, 7.24 : Resume of Produce.
$730:$ Weather. 2. 35 , Arisbare and Country, Stock
Sales. 745 , The Crazlerst Aso Sales. 7.45 : The Crazierst Asso-
Ciation will glve A Short Talk.
$7.50:$ Music 8.0 : Eventng Mist Eve: Eving Mriej-
3.15: Dinlop cal Programme $3.15:$ Dunlop
Frcsents 830 The In-LaWs
H 15 OUR PERSONALITY
PARADE,
8.55: Racing Talk by Ceotge
Prancla 9.0 Misic,
$9.15:$ COMMVNIT SINGINC


2HD

## Continued

NEWCASTLE, 1140 Kilocycles
6.0: Musical Clock, 6.15: Getting Up Music, 6.25: News of the Day. 6.45: Watchtower Meditations, 2.0 Bew Breakiast Melodies 0.45: Serlal Story. 11.0: The
 FROM NEWCASTLE TOWN HALL. Comedian, REG SHORTB: Violmisie, JEAN AT THE PIANO.
Afternoon Mrustcale. 4.30: Moder 4usic.
.15: Children's Session. 5.35: Joy Club Stashlae Ship. 5.45: Dinner
6.15: Iecture-"King's Appearing." 6.20: Joyster Notes and News Pashes. 6.45: Soccer and League
Fixtures, 7.0 : The "Bowery" Fantures, Band. D : The "Bowery

## t s.o. "w

8.20: N.R.M.A. Notes, 9.0; Health Talk. 9.20 : Gardening Notes. 9.45: Swing Club Programme.

2WL
WOLLONGONG 1430 Kilocycles 0.0: Morning Musio. 10.15 : What's on To-day. 10.16: Bright
Musical Programme. 10,30 : On The March 10.45 : Music, 11 On Pactic Cuitar Club, 11.15: Re. cordings. Overture. 6.40: Recorded Music. 7.0 : Red Hot Rhythm 7.15: Popular Recordings,

30; The Air Mait Mystery, 7.45 8.15: Musical Programme. 8.30 Juit Jazz, 8.45:- Music.日: Soccer Talk by Mr. Tom Ledgerwood. 9.5: Musical Pot-
pourri. Hr, Harold Snowden (Basso) Entertains at the Piano. 9,30 Organ Recital. 9.45; Dizay
Dises. $10.0:$ Clone.

## 2 NZ

INYERELL
1170 Kilocveles

## 0: News. 8.0: Late News-Break-

 rast Session 8.30: Let's All Sing John Walker at the Piano 9.0 : Ctose. 0: Chimes, 11.15: Morning Tea, $11.30:$ A Story, 12.30 : LuncheonMrusie Music. 2.0: Close. 3.30: Chimes Frog (Serlal), Featuring 2NZ Players, Etrong's Goid Peet 45: Jack Strong's Gold Reef
(Serlal). Featuring Ken Sperkes 6. 0: Chimes, Calls. 6.15: Dinne Masic. $6.40:$ What's the Odds.
 News Review, ${ }^{7.43}$ : A Spot of
Fun. $8.0: S$ in in Lighter Vein - Dance Masle,
Hrass Bands

0: Brass Bands on Parade, 9.15 Violin Varletles, 9.30: Famous Irish Tenor-John McCormack,
B. 55 Some Qulet Muslc on the
Organ. 10.0 : Close.

## 2 KO <br> NEWCASTLE, 1410 Kilocycles

 7.0: The Early, Bird. 7.3: Morn-ing Parade, 7.45: The Question Ing Parade, 7,45 : The Queation
Box. 8.15 : Musical Cafeteria. 9.30: Hright Mustc.
9.0: Hospital Session. 10.0; HomeGibbs. 10.0; Radio Correspondence Club. 10.0 Radio Correspond-
11.45: Domestie Setence Bureat, FROM THE THEATRE FHE CON THEATRE
ROYAK HAYNE AND BY
SYD HAT MAHONEY. WITH AUNTIE FILEEN AT THE PLANO.


## ON THE SHORT WAVES

5.57 a.m, (GBB 21.5, GSD 25.5, GSI 19.6): COLONIAL, SERVICD Hon. Ormsby-Ciore, Secretary or state for the colontes 6.35: Orchestral Music. 6.45: Close.
.0 am . (DJD 25.4 , DJL 19.8 , DJO 49.8): New German Lisht German and English. 7.20 : Close.
 20: Sonata Recital, by Kathicen Long (Mano): Sonata in $E$
 Close. B.30: stucents songo. Tis B.B.C. Die 19.6). German 50 a.m. (DJN 31.4, DJB 19.7. DJR 29.56, DJQ 19.6): German
Folk Songs. 8.0: Fantasy in ' Major (Bchumann), 8. 3 : Now
 Gramophone Records. 9.15 A Chcerrul Radio Play, 10.15: Sound Pietures. 10.30 : Concert of the Berini Conservatory. 9.30: An Ulster Notebook. 9.45: Violoncello Recital by Car men Ahil. 10.0: Colonhai service Dinner. Speech ( f .), by mon HII Armaby-Gore, 10.40 : Tho B.B.O. Theatre OÓgan 11.10: News 11.30; close.
11.15 am (DJB $19.7, \mathrm{DJQ} 19.6$, DJR 19.56 , DJN 31.5 ) : News
 1.50: (G10sp 19.8, GSI 19.6, OSO 31.3, GSD 25.5); The B.B.C. Empire Orchestra, 1.0 Guitar selections. 1,10 : Stulents songs. The B.B.C. Mens cuorus. Nitith Now Paris: 1.45:

 Vice Diminer. Spech is.) by Hon. Ormsby-Gore. 3.5: schu-
 The Strange Adventures. of Mr. Peniny, Epliode 10. 3.45 Special ltem to be announced. 3.55: News. 4.20 : Variety, AUSTRATA: 4.45: Close. 10 pm . DJN 31.4, DJB 19.7, DJQ 19.6: An Hour of $\mathrm{En}-$ tertainment. 4.0: News in Cerman, 4.15: More Entertainment, 4.55; Greetings io Listeners in New 2ealand, b, socishet Prtnctples.
$6.30 \mathrm{p} \cdot \mathrm{im}$, (31. 31.3 ): News, Markets, and Weather for Northern Australle, ${ }^{6.45: \text { S Sporting, }}$ Ro: Curent Books Wortil Reiding-Talk by Denzel Bachelor, 7.20: National News ${ }^{2} 30$, Queensiand News Hulletin. ${ }^{7,40}$, Sydney Programme. 8.0. Sydney Mcewan (Tenor), 8, 30: Melbourne Progrumme
9.15: Skeloh from Hobari studios. 9.40: Libht Orchestrai 9.15: Sketoh from Hobart studios. 9.40: Licht Orchestral
Programme. 10.10 : Melbourne Programme, 10.30: New3 Programme $10.10:$ Mebourne Programme
10. ${ }^{10}$ : Meditation Mustc, 11.30 : Cloge
${ }^{30} \mathrm{p} . \mathrm{m}$. DJJB 19.74). Concert by Army Band, 7.30: German News. ${ }^{7.45:}$ German Spas., 8.0, Folk Bonys 8.15; Cloge: toph. 9.0 . News and Weather. 9.15 : Songs by Sopranos
 traf Mutc. 9.00 "To Be Publlsher Shortly" The Story of
the Publication of a Book, 9.30 . The BBO Dance Ory ${ }^{\text {tra }}$ (Henty Hall), 10.15 ; Coionial Bervice Dinner, Orenes. (r.) by Hon. Ormaby-Core 10. 50 : Orchestral Music, 11.0.
The Senior T.T. Race, Commentary from Iole of Man on Semlor International Auto-cycle Tourlst Trophy Race. 11.45 . News. 11.55: close.
Nem. DJB
Music, 10.7 , DJQ 10.6 , DJE 10.8 : Concert of Light
 SCHEDULSS OF OTHER STATIONS
 8.15 a.m.: TPA4 ${ }^{(25.6)}, \operatorname{COCQ}$ (30.77

 $11.0 \mathrm{p} . \mathrm{m}:$ : 2 RO C (25.4), DNN (31.4), W8XAL, (49.5).

News. Markets, and Stock Sales. 8.30: Music. 8.45: Kiddie Kapers 2.0: Listener-arranged Programme. Luncheon Musle. 2.0: Close 6.0: Ohlldren's Music, 6.3: Seria. Qtory, 6.15: Blrthdit Calls sthd Checrios, 6.30: Entertalnment, Now and Brimht Musio.
Brondeaster. $\quad 7.30$ : Finemington Report and stock Sales 35 Mutle. 5,0 : The Happy Hour, 30: Tastener-arranged Programme.
9.31: Weather Report. 10.0:

## 2CA

CANBERRA
12.30: Lancheon 1050 Kilocycles
 ..0: Candid Comments on or reni Releates: 1.1.15: Weather
forecast. 1.30: close
 tures of Andime.
Ban, and Tom 6.0
chididens story
620 Chuden
Birthiny
Cherios.
Birthday Cheerios.

Canberra, 6.35: Dinner Music. $\begin{array}{lll}\text { 7.0: Vocal } & \text { Half-hour. } & 7.25 \\ \text { To-morrow's } & \text { Weather, } & 7.30:\end{array}$ Pinto pete and his, Ranch
Boys. 7.45: Famons Dance Bands Boys. 7.45: Famous Dance Bands Clobe-trotter Talk. 8,30: Favorites, old and New. 8.45: Instrumental Quarter-hour. 9.0: Famous Overtures 9.15 Popular Tunes of Yesterday. 9.30: Humor, 9.45 ; Relaxation ments and Close.

## 2 GN

GOULBURN, 1390 Kilocycles
7.30: Brighter Mornlag Musie. 8.0 :
News Weather, etc.
$0.0:$ Clate. 0: Women's Session, conducted by Evelyn Ann. 12.0: Linoleeon Weather Forecast News Bulletin 0: Chlldren's Session, 7.0: 2QN

## FRIDAY

Murtan Momenter, 8.0. Collins street seasion. 8.30 D Deniluwin Traders seeston sain: Lite
 Nown Bullean: y, sis sonoror Brighter Numbers. 10.30 : Close,

## 2TM

TAMWORTH,
. Kookaburras 1300 Kilocycles sion, conducted by Kenneth Sesinle, conducted by Kenneth MogMarket Resume, Weather, and Coming Auctions. 6.40: Musical
Presentation. 6.45 : News.
F.0: Presentation. 5.45 : News. 7.0 :
Breakfast Musle. Breakfast Muslc.
.45: Wake UP Session. 8.0: Time Musical Presentation 9.30 . Hos plas! Colls 10 .0: Women's Bets plas Calls, 10.0: Women's Sesford Pemny, 10.2 ; Music, $\begin{array}{ll}\text { Correspondence, } & 10.30 \text { : } \\ \text { Radto Recipe Session, } & 10.45:\end{array}$ Correspondence,
11.0: Mrs. Langford Penny rends a $\begin{array}{ll}\text { Story: } \\ \text { 11. } 11.30: & \text { Music. } \\ \text { Misrespondence. }\end{array}$ Melodies. 12.45: Classica! Cameos.

Moments,
\& $\quad 0$ women's CLUB COMMUNITY SINGING FROM THE TOWN HALI.
4. 30: Muslo. from the Theatre of Happiness. irom the Theatre of Happiness.
Is: Dinner Musfo. S. 45 : Popt1-
lar Music. 8.45: Weather and Market Reports.
9.0: Popular Musio. 9.15; New Releases, 9.30; Radio Rhythm,
10.0: Lirtener-Arranged Programme. 10.0: Listene
11.0: Close.

2LM
LISMORE,
900 Kilocycles Wake Up Sleepy Heads, 7.30 2L.M's Market Place, 7.45: Music,
8.0: News. $9.0:$ Music, 10.0 : 12.0 noon: Music, 1.0 : Lunch Programme. 1.30; Musical Jewel Box. 2.0; Recorded Rhythm, 3.0:
Close Dinner Music, with Edna Gillies. 8.30: Mutlot Comedy Moments. Sporting Session. Pianint 7.30 : Gilbert and Sullivan Gems
7.45: Torchbearers of Eustory,
8.0. Donnld Novis, 8.15: Funfest. $8.30:$ Charlie Chan.
9.0: Spot of Comedy. 9.15: New Releases, 9.45: Dance Time. 10.0: Newa. 10.30; Close.

## GRIFFITH,

2RG
6.0: Children's

1470 Kilocycles Musie Lovers' pot-pourri $\quad 8.30:$ Songs at the Pisno, by Cyril James 7.15: Australtan Artists int Perton, 7.30: Market Reports. 7.35 : Oultural and Horthcultural, 7.45; Planoforte Recital. .30: One Hour Dance Programme.
10.30: Good-night Song.

## 2AY

ALBURY. 12.0: Open. 1480 Kilocycles The Mrusle Box. 2.0 : Close 1.15 : ing Children's Community SingIng. 6.0: Dinner Music 6.30 Argus Session, of Melody. 7.0 : Grimophone Programme, 7.30
Sporting Session. Sporting Session, conducted. by
Mr. Bunton. Mr. Bunton
0: Charlie Chan, 8.15: Spon-
fored Trour, 9.15 : The House of Peter MacGregor. 9.30 : The
Countryman's News. Countryman's News, 9.45: Dance
Programme, 10.30 : Close.

## 2 QN

DENILIQUIN,
1440 Kilocycles
7.30; Brighter Morning Musie, 8.0: 1.0 Ws Womenther, etc, 0.0 : Close. 1.0: Women's Session, conducted Music. 1.10 : News Luncheon Weather Forecast ete, 20: Close 0 O: Children's Sesslon, $7.0:$ Close, Sporting Commentator. $7.0: 2 \mathrm{QN}$ Musical Moments. $\quad 8.0$ :- Colilns Street Seasion; 8.30 ; Deniliguin Traders Sesmion, 9.15 I Ifttie Collins strect Session. 9.30 : News Bulletin. 9.45; Sponsored Bession, 10.0 r 2 QN Session of

## 2BH

BROKEN HILL.
1060 Kilocycles
.0: Barly Morning Melodies. 7.15: News. 12.0: Luncheon Music. 1.0; Happiness Session:
5.0: Children's Bession, 5, 50: Vartety, 6.0: Dinner Masic, 6.30: Sedley. ments, 8.0: Something of Fivery-thing-A Gay Pot-pourri. 9.0 : News. 9.15 : The London Piano Aceordeon Bund. 9.90 : Dance Programme.

## 2BS

BATHURST,
1500 Kilocycles
7.0: Chimes and Opening Theme Song. 7.3. Breaktat Music. 7.15: Forecait. 7.30 : Musleal Jewels 8.30: Market Reports. 8.40: Popu1ar. Music. 9.0: Close.
al Interlude 1215. New: MusWeather Report. 12.35 : Vocal and Instrumental Numbers. Close 5. 45 : Spectal Sestalon for the Young Folk 6.15: News. 6.30: Over6.40: Dinner Music. 7.0: Radio Rhythm. 7.30 Popular Musio

+ 8.30 COMMMUNITY SINGNV
CONCERT AT CONCERT AT MASONIC
HALL KIPPEL STREET. 10.0: Close.

[^0]10.0. Weather and Markets. 10.10: Current Happenings in. Sport
by A.B.C. Commentator. 10.20 : music.
10.30: Women's Session, conducted by "Judith." Housewifery-"PlanPractical Housewlfery-"PlanElizabeth Wells. Musfc.
One of My "Problems"- "Un Iucky Jim-Hits Pirst Oftence" -
11.0: Aviation Forecasts 113 Musio, $11.15:$ Daily Broadcast
Bervice. 11.30: Close,
12.0: "Stories from World History" Sword"-Mr. J. R. Waterman 12.15. Masc.
12.20: Markets. 12.35: Muslc.
12.45: "At Home and Abrond." by 1.5: Weather, etc. 1.25: Music 1.85: Stock Exchange, Shlpping 2.0: Close.
3.0: "Adventures in Musle"-Professor Bernard Heinze, P.R.C.M. .a0: Mustc. 4.0. CLose
5.0: Tune-in Time.
8.20: Tiny Tots' Sesston.
6.30: Young People's Session-"The Valleg of Adventure." A Special Programme commemorating the Anniversary of the Battle of Waterioo, with a play by witam
Fitamarice Hiti. Good-night. 6.0: Dinner Music. Good-night. 7.40: "Ragele Targle Glpsles" (see 8.0 . ${ }^{2 F(T)}$ The shamrock and the 8.30: "Thistle" (see of the Times" (see $0.15:$ "Coat of Arms" (see 2FC). 9.35 : Interlude. Celalde) Studio 9.40: The A.B.C. (Adelaide) Studio 10.20 : "My Fiddie and $\dot{\mathrm{r}}$ " (see 2FO). 10.20:30: Interlude.
10.40: Mecitation Music
10.40: Meatation Music. © Summary of Day's Nows. 11.30: Close.

## $3 A R$ <br> MELBOURNE,

 6.30: March. 6.32: Weather. 6.37 Malls and Shipping:Market Reports
$6.45:(\mathrm{M}):$ (8). Market Reports, $6.45:$ (M.) Early
News
6.50: (S.)
National
New News. 6.50; (S.) National New

Butletin. $7.0:$ (M.) Victorian $\begin{array}{ll}\text { Buttetin. } 7.0: ~(M) & \text { Victorian } \\ \text { Produce. Live } & \text { Btock. } 7.5 \text { (S.) }\end{array}$ Morntng Music. 8.0. (M.) Eariy | News. | 8.5 | (8.) British Wireless |
| :--- | :--- | :--- |
| News | 8.15, | Music, | $\begin{array}{ll}\text { News, } & 8.15 ; \text { Music. } 9.10: M e l \\ \text { bourne Weather. } & \text { M.11: Muslc. }\end{array}$ 9.15: March Tunes for Schools. .25: Music. 9.30: Close.

1. Interstate Air Malls. 12.0 Lancheon Music. 2.1: Musle, etc. .30: Mustc.
o: German Session, conducted by Dr. Anita Rosenberg.
6.45: Sountryman's Session, Sporting Eession, conducted by A.B.C. Commentator. 0: Current Books Worth Reading.
by Mr , Vance Palmer. by Mr. Vance Palmer.
15: Misic. 7 .20: National News Bulletin. 7.30: Vietorian News Bulletin. 7.35: Mustcal Intertude. For Farmers Only SessionRevlew and Forecast of Live Stock Markets-Mr. M. McNaLeith Gillesple. Foble Chains and WattleSong and Story of the Australlan Bush.
3.30- From Hall of Honor, Geelong Community singing, conducted by J. Plnney
.15: Comedy Interlade-The Two 9. Wags.
2. 30 : Fr
9.30: From Hall of Honor, Geelong
10.0: School Iiffe and School Sport
$10.10:$ News, Rose and Touring Notes. 10,30: Close.

COROWA.
2 CO
670 Kilocycles
6.30: Sre 2BL. 6.50: See 3AR. 0.30: 2.0: See 310 . 12.35 : News in. 45 See 31.0 .1 .15 : See 3AR. 1.55 : See 3t.O. 2.0: Olose
3.0: See 3 LO . 4.0: Close.
$\mathrm{S.0}$ : See 31.0 . 6.0: Local Sesston. Including Market Reports from Albury, 6.15 See 3AR. 735 :

## 4QG

BRISBANE 800 Kilocycles
6,30: Weather, Markets, AIr Mails. 6.45; News. 6.50 : Morning News Bulletin, $\quad$ (r.). 8.0: Second Nown Music Sceond News Bulletin, inclading the British Official, Wireles News. 8.15: Morning Music. 9.0: Close.
10.30: The Dally Broadeast Service, conducted for the Roman Catho-
10.45: Women's Harmony Hoar, conducted by Miss Rita Humpress Home Notes: The Home Cratts man.
11.40: A Talk by Mrs. P. Stanhope Hobdeny-A Bush Tapestry.
12.0: Broadenst to Primary Schools by P. W, Radclife-More Australion Pceme-1: The Quarrel Dominion of Aubtralia, ${ }^{2 \%} 12.15$. Music. 12.30: Markets, Weather. 12.45: At Home and Abroad A Wews Commentary by "The
1.10: A Lunch-time Ramble, 2.0 :

## close.

3.0: Broadcast to Schools by Professor Bernard Heinze, F.R.C.M. Adventures in Muste.

### 3.30: Music.

puring the afternoon result will be givea of the Central Qid. Ainateur Turt Clab.
3.45: A Short Story told by Dion Whacler-"Dresm Child," by 4.10: News. 4.15: Close, Musle. 8.15: Childrea's Sesston for the Tiny Tots. 5.30: Children's Serial Play-The Valley of Adveature 3.40. Heres Horace.
6.0: Dinner Masle.
6.25: Air Malls, Weather Data, Late Market Reports.
6.45: Racing Notes by $K$ Noud. 7.0. Talk by Vance Palmer-Cur rent Books Worth Reading. 7.20 :
National News Bulletin.
7.30 Nation
7.40: Recital by Arthur Sharman,

Mazurka (Debussy): En bateau (Debussy); To Bummer (Rowley): 8.0:- The Bhamrock and the Thistle (ves 2FO), Night-Second Sertes 8.50: Arablan Night

## 9.0: Mustc.

9.15: Cost of Arms tree 2 FC
9.40: The A.B.C. (Adelalde) gitudio Orchenlra face 2mol 10.20: Musio 10,30: Weather, Late sporitig.
10.40: Dance Monsic.

News. 11.30: Close.
5CL
ADELAIDE,
730 Kilocycles
Main Features:
Co: From Adelate Town HallCommunity Singing. National Broadcast to Schools -"Adventures in Music." condireted by professor Bernited Heinze bdueatlona! Broaderet by
3.15: Educatlonal Broadcest, by
Dr, F. C. Naegell, I.L. D. Zurich) -"German Conversation.
5.30: Chblaren's Sessfon.
6.0: Dinner Mrusic

Vance Palmer-"Current Books
Worth Resding?" "Whas of the Rosis?"-A
Talk wider
7.30: "The shamrock and the 8.0: A Promenade Concert
8.50: The A.B.C. (Adelatde) Studio

Orchestra, condincted by willam
R. Oade. Sulte, A Doit's House
0.10 A Light Orchestral Programme .50: From Adelatde-State Programme. John Tilley, Comedian
10.05 Nows. Weather. Avfittor
10.10: Anticipations for To-mor-
10.15: A Talk on To-morrow's

Colmer,
Taik by "Shartwave." A Weekty

# EATURIIAY 

## 2FC

olo Kilocyclos
Day Sesslons as Friday, except: 10.15: A Racing Talk by the A.B.C.

Raciag Commentator,
10.30. HANDIORAFT, Miss Hoyles. "Roses from Wood-pulp."
10.45: A Musical Interlude (r.).
11.0: George Cooper will speak on "Gardening."
11.10: Melodies Grave and Gay (r.) 11.30: Close.
12.0: Studto Muste (z.).
12.12: Metropolitan (Forecast and 12.12: Metropolitan Forecast
Westher Synopsis. 12.15: Muster Synopsis.
12.15 : Mustical Items ( t.$)$.
1.0 (approx.): A Glance

10 (approx.): A Glanoce at the afternoon "Sun," Cables (Copyright from the Australlan Assoctated Press.
15 approx.): Sectional Weather
Forecast, River Heights, Forecast, Rtree Heights, and 1.15 approx.itstrations, Exchange
1.22 (approx.) FROM ROSEHILL-

Description of the Complete RacDescription of the
NOTE: Wherever possible between Sydney races, description of the Melbourne races. will be 50 : Musteal Items ( r .).

## EARIY EVENING SESSION

520: Tiny Tots' Session.
5.26: A Mussical Interlude (r).
YOUNG PEOPLE'S SESSION. YOUNG PEOPLE:S SESSION
5.30: Kutie Kids Kolleg 5. 30: Kutte Kids' Kollege.

Bryron and Pat,
6.0: Dinner Musto (r.),
7.0. Features in To-night's Pro7.2. Dinier Muslo ( r ).

## EVENING SESSION

T. 40. THE A.B.D. (SYDNEY) WIREL. Lss OHORUS (See Panel). 8. Orchestra (See Panel). Concer 2.10: Rectat by Brontsiaw Hube man, World-famous Vlolinist
10.10: A Programme)
20.10 ACHA BERTamme by BERLNER'S CONTTNENTAL ENSEMBLE Soe Pane.)
10.30: Late $\begin{gathered}\text { Interlude (r.). } \\ \text { Bporting Resuits }\end{gathered}$
$1030:$ Late Sporting Resuits,
10.40: Meditation Music (t.)
11.25: Late Officlal Weather Forecast and Late News from the 11.30: Close.

2BL SYDNEY, 740 Kilocycles

## Day Sessions as Friday, except:

 11.30: Music.12.0: Stock Exchange, Pirst Call. 12\%: Planoforte Rectual (r.) by GERRY MOORE.
Have Me
(Caesar)
Why Don't You practise What You Preach? ivitation (Homman)
I've Cot an Invitation to a Dance
Please Belleve Me (Youeli-Jacobs) Sing an Old-Fashfoned Song March Winds and April Showers Remembrance
(Gade)
Remembrance 30 Vocal " Instrumental 1230 : Voca! and Instrumental
Music for the Lunch Hour $(\mathrm{r}$ ).

1. 30: Radio Rhythm (r.). SYDNEY CRICKET GROUND - DYDNEY tion of the Rugby Unton Match tion of the Rugby Union Match,
is.w. $\mathrm{v}, ~$ SPRINGBOKS, terspersed with recorded Musical Prozramme from the studlo).
2. Stuatio ytuate it.), Say's Sates and Slieep Dor Trials at the Annzs! Sheep Show.
6.15: Weather Report Stock ExChange Report, Tasmanian Potato Report.
6.25 : Inseriude
6 ' 35 :
SPORTIAK wnd Comment
645: MR. CYRIL TOWERS will spenk on the Rugby Unlon
Match, N.S.W. v. Sprigeboks.

2FC 7.40
THE A.B.C. (Sydney) WIRELESS CHORUS

Conducted by JOHN ANTILL

Hark, Jolly Shepherds
(Beck-S11m) (Malmer The wee Cooper of Fyfe ....... (Masefleld From the Green Heart of the "Witers' (Femnle) Song of the Bow (Male) .. .. .. .. .. .. (Alward) A Song for Marching Men .. .. .. .. .. .. (Bairstow)

## 2FC 8.0

## THE A.B.C. (Sydney) CONCERT ORCHESTRA

Conducted by PERCY CODE With Vocal Duets by
HEATHER KINNAIRD, Contralto RAYMOND BEATTY, BASSO
ORCHESTRAOverture:
... .. .. (Comod) Dear Love of Mine from "Nadeshda" .. ... (Thomas) The Huntsman and His Lass ACOOMPANiMENT (Brahms) WRCHESTR ORCHESTRAL AOCOMPANIMENT.
Scherzo from Midstimmer Night's Dream (Mendelasohn) Gungarian Rhapsody No. 3 in D .. .. . . .. .. (Liszt) DUETS
The Voyagers
(Sanderson) The Pair Plpers WrTH ORCHESIRAL AÖCOMPANIMENT.
Scenes Pittoresque
Marche-Air de Ballet-Angelus-Fete Boheme.
2FC 9.10
FROM THE SYDNEY TOWN HALL
RECITAL BY

## BRONISLAW HUBERMAN

World-Fomous Violinist
Assisted by JAKOB GIMPEL Pianist-Accompanist
Concerto In E Minor
Narcisse Minor Narcisse
La Fontaine d'Arethuse "Mythes, Op. 30 )
is
(Mendelasohn)
0)

Waltz, Op. 64, No. 2
opin-Huberman
Hungurian Danse
(Brahms-Joachim)
2FC $\quad 10.10$
SASCHA BERLINER'S CONTINENTAL ENSEMBLE
$\begin{aligned} & \text { Hello, Hellol Thls is } \mathrm{V} \\ & \text { Chanson de Balalaika }\end{aligned}$
na-Potpourr
.. .. (Morena)
What is Me Balalaka "in Yo - (Schmideseder)
What is More Beautiful than Your Hyes? (Brodsky)
(Kalman)
6.55: SPORTING SESSION - COH- 10.50 to 11.0 FROM 2NO NEW-

7 tinued
7.20: NATLONAL N
7.35: Musical Interlude ( I ).
7.58: What's on the air To-night? EVENING SESSION
8.0: Wednesday's Welghts by the A.B.C. Racing Commentstor.
8.10: Interlude
8.15: THE RADIO ROUNDSMANInterviews Personallites in the News.
8.30: Interlude ( $\mathbf{r}$.).
8.35: An Origtnal Sketch. (Seo 8.50: Int
8.00: Thterlude (r.). (See Panel.) 12.0: Clove.

NEWCASTLE,
2NC
1230 Kilocvales
6.30 to 90 Relayed from 2BL CASTLE STUDIO: News Service
by Courtesy of, the "Newcastle 11.0 to 11.30: Relnyed from 2FC. 11.0 to 11.30 : Relayed from 2 FC ,
12.0 to 3.15 approx.: Relayed from 2FC.
Approx. 3. 15 to 5.0: Description of ed with pall Match, interspera${ }_{2 F \mathrm{~F}} \mathrm{ed}$ with Race Descriptions from
5.0 to 7.0: Relayed from 2 PC .
7.0 to 7.10: Local Sporting Results $7 . \bar{T}^{10}$ Prom 21.30 NG STUDIO.

## 2NR

NORTHERN RIVERS,
700 Kilocycles
6.30 to 9.0 : Relayed from 2BL
10.0 to 10.50 : Relayed from 2 FC . 10. 50 to 11.0: Local News from The Grafton Examtner-
11.0 to 11.30: Relayed from 2FC. 10.0 to 10.50 : Relayed from 2FO. 7.0 to 7.15 : 2 NR Studio-Local

Sporting Results from the Northern
7.15 to 7.35 :
Relayed
from 28 L 7.35 to 11.30: Relayed from 2FO.

2CR
CENTRAL REGIONAL,
550 Kilocycles 6.30 to 9.0 : Relayed from 2 BL , 10.0 to 10.50 : Relayed from 2 Fog . 10.50 to 11.0: FROM 2 CR STUDIO the 'oringe Advocate" 11.0 to 11.30 Relayed from 2 FO . 12.0 to 6.0 : Relayed from 2 FC , 6.0 to $7.10:$ Relayed from 2 BL . 2.10 to 7.20 : PROM 2CR STUDIO T. $\mathrm{T}^{\text {Local }}$ to 11.30 : Relayed from 231.

Day Sessions as Friday except; 30: Randwlek Track Highughts. 8.45: Musio, 9.0 Music Brings Memorkes. ${ }^{2.30 ;}$ Down Harmony Lane, 10.0 Greetings and Club Memories of Yeaterday. 11.0 :
\& 12.0 DESCEIPTION OF THE ROSEIHIL BACES, AND DESCEIPTION OF THE FRED TUPPER, RELAYED TO 2WL (WOLLONGONG). 1.0: News Service.

Sporting Revtew and Summary by Ken Johnston. 6.20: Rhythin of To-day, 6.30: Dinner Music. 6.50: Commentary on the Day's Racing Men Musio, 7.12: Box PoxlBright Musid. Mustc We Remember

- 7.97: DESCRIPTION OF THE GREYHOUND COURSING FROM HAROID PARK, RE. LAYED TO EWL (WOLLONGONG).
Matden staze 7.32:- Musle
porter of stake, Factso: The Re-
7.S. Encourage Stake. 8.5: The
8.13: Approved Stake, 8.20: Friends in Need,
8.20: Progresalve Stake, 8.34: Musle That Cheers Music.
9.5: DANCE MUSIC, SPECTALLY ARRANGED FOR DANCE LOVERS.
9.17: No, 1 Hurdles. 9.22 : Dance 9.33: No. 2 Hurdles. 9.38: Dance 9.49: Cilub Stake, 9.54: Dance 10.5: Ricectric Wght stake. 10.10 : Dance Prusle. St's Stake. 10.26; Continuous Dance Muslc. 12.0: Close.


## 2 CH <br> SYDNEY, <br> 1190 Kilocyclez <br> Day Serstons as Friday, except:

 10.2: Moraing Devotion-Rev, M. A. Payten. $10.23:$ Musle. $10.30=$ The Quet Quest. 10.45: Miorophone Melody. 10.57: Public Health Messtge. 11.0: Musle. 11.45: Look up and Laugh. 11.50: Weather Report, 12.0: Music. 12.15 : Planoliare. 12.30: Close, 12.16 . 1.15: Holiday Harmony. 2.15: Foot3.15: DE8CRI- SI5: DESCRIPTION OF BASEBALL MATCH, Pelersham Oval-Akubra Y. Dnikersity.
Orchestras of the World
4.30: Orchestras of the World.
5.30: The Hello sMan's Ohildren's
5.30: The Hello tMan's Chlldren's
Seasion. 6.15 : Caryon, Robison and Co .
6.35: Sporting Results by B. O. Button. 6.50 : Wheather Report, 0.51: Dinner Music.

0: Comedy Club compered by Edwhid Howell. 7.10: pilm Pavor7.30: Festival of the Bands. ₹.40: Niphting of the Bands. 7.40 :
t $\quad \mathrm{x}, \mathrm{O}$ : M1SIC FOR YOU- $A$

SYDNEY, 870 Kilocycles
Day Sesslons as Friday. except:

夫9.0: UNCLE F R A N K's
CIIEER-UP SESSION, Sing-
ing led by the Malvern College Cheir.
10.0: Musical Programme-E. Mason Wood. 10.30: Mr, Colin Francis Guy'd." 10.45: Music. 11.0: News. 11.5: Hall of Song. 11.45: Muste,
0: News, 1.5: Muste. 1.15: Tunes from the Radlo Library
1.45: The Garden Beautiful-Mr. S. H. Hunt. 2.0 : New Tunes for oid. 3.15: Speclat. Session of
Vew Recordings. 2.30: Man About New Recordings. 2.30: Man About Town. 2.45: Jewel Box.
C P.0: FRED WARING
Muslo. 3.45: Dance Rhythms. 4.0: FOIR MEN ONLY-AIR YOUR GROLCH,
4.45: Auntie Goodie-Songs to the 5.0: Children's Seasion, condueted by Uncle George. 5.30: Krazy Kolleze. 5.35: Children's Session contiaued. 6.0: Terry and Ted. the Muste Box.
6.35: Final Sporting Resume-Mr. Oscar Lawson. 6.55: Tooth and Claw-A B.S.A. Production. GINGER JAB DANCE OR CHESTRA prexented by JACK DAVEY.
30: High Erequency-A B.S.A. Production.
45: Stan Borme and his Ginger Jar Dance Orchestra, presented by Jack Davey. 8.0: World
8.is: FRANK WATANABE AND WILLIAM.
45: The Story Behind the Bong.
9.0: RADIO PIE,

30: Feature Session presentingNoveltes on parade. Peter the
Rabbit (Roberts). Peter's Pop Rabbit (Roberts). Peter Pop Buts in the Beifry (Croom-John-son-Mayerl). The Palry on the Corlstmas Tree (Parr-Davies). 63: Lalf Parade,
10.0: 3GB NEWS EEVIEW. 10.15: A Concert in Brighter Vein. 10.45: Special Eession of New Re11.0: Dance Session, 11.25: News. 11.30; Close.

## 2UW

SYDNEY,
5.45: Junlor Farmer's Session.
9.30: Sporting Session, conducted by Cyri Angles, with Suggesso: Greyhound Form and Selectlons.
0.0: Track Gallops and Jockeys? Engagements. 10.20: Around the Bandstand. 11.15: Dance Music.
12.30: COMPLETE SPORTING SESSION - CHARLES LAW. RENCE - RESULTS OF ALL SPORTING EVENTS, INTERSPERSED WITH BRIGHT MUSICAL RECORDINGS.
DESCRITTONS OF ROSE DESCRIPTIONS OF ROSE-
HILI. RACES, BX CYRII, ANGLES.
DESCRIPTIONS OF CAELFIELD RACES, BY EKIC WELCH.
4.50: Official Radio Prices of All Races, $\quad 5.0$ : Light Orchestral Musie,
5. is: Chaldaren's Sesston-A Children's Play, presented by Tom Hudson. 545 : Mursery Rhymes. 5.55: The Talk of the Town, 6.0 : The Latest Fox Trots, 6.10: Race Results and Reproductions of Rosshlil and Caulifeld.
630 : Dinner Musle
6 so: Gencral Sport-Final Results Charles Lawreace.
chestral Selections 7.10: Box Posttions of Greyhound Races
is George Edwards and Nell Dirling in Joan

C GROE DESCRIPTIONS OF GREYHOUND RACES-CYRI PARK.
10.30: Results of All Greyhound Races, 10.45; From the Console. 11.0 Dance Music
didnight Sesslons as Friday.
2SM
SYDNEY,
1270 Kilocycles
Day Sessions as Friday, except 1.0: Saturday Matinee-Miss Doreen McKay. JUVENILE AMATEUR HOUR. COMPERE, JOHN DUNNE.
4.0:: Matinee (Contd.).
4.45: Jim Sampion and Trevo:

Rolre the Plano Knaves, in
Rhythm on Two Plasos.
5.0: Uncle Tom and His Gang,
6.0: Angelus, 6.1 : Uncle Tom's G.0. Anssentis. (contd.),
6.30: Dinner Bession-Dominic Harneth. 7.15: Resume of To-day's
 "Our Doctor" Talks, 7.45 : Patterns in Harmintes
8.1: Programme of Selected Mrus1cal Items, 8.30: The Grocer Entertains.
5.0: RADIO DANCE NIGHT. 10.0: Records of the Week-A Re. View, 10.25: When You Come
to the Fnd of the Day-Paul Oitver. 10.30 : Olose.

## 2KY

SYDNEY. 1020 Kilocycles
Day Sesstons as Fylday, except:

+ 12.0: BROADCAST OF RACES FROM ROSEHILL- KEN MELBOURNE RACES.
5.0: Alf of the Alphabet, conducted by Algy. Children's Competitions. 5.30; Dinner Divertlasements.
6.30: Dinner Entertainment-Goodo and Uncle Bert. 6.37: Sppot of Musle and Rhythm. 7.15; Tebor News Commentary.
7.25 ; Resume of Day's SportsAndy Flanagan, 7,35 ; Music, 8.0: Dndy Hanag
9.0. BROADCAST OF WREST ING FROM LEICHHARD-STADIUM-DESCRIRED BY RION VOIGT.
10.30: Happy Hour. 11.0 Your Favorite Artist 11.15: Varlety
Music. 12.0: Close.
2GZ CENTRAL N.S.W., 990 Kilocycle
Day sesslons as Friday, except. Poultry, Bees, etc.
11.0: Tonic Toptes.
11.45: Musical Adventure, Music, Midday Melodles. 12.30: 12.6 : News and Sporting, 12.40: Mldday Melodies continued. 12.55 Frogramme Projects,
1.0: ROSEHILL RACE DESCRIPTIONS RESLLTS OF MELBOURNE RACES, WITH MUSIO.
1.5: British Oftcial Wireless News. 15. Weather. 5.0: Popular Redings. 6.0: Dinner Music,
6.15: THE GROCER ANO MADAM.
630 : Dinner Muslo continued 6.45 ? Mr . and Mrs, Everybody, 7.0 : Musio.
7.15: Sporting Restime, Results of Day's Races. Country \$porting News. 7.30: Weather, 7.35 : Popular Recordings, 8.0: Evening Musteal Programme. 8.15; In the Crmelight 845 "Arius,n 9.15: DESCRIFTION OF WRESTLING FROM SEICHhairdt stadium.
Dance Muslc
10.30: Close.
2 HD
NEWCASTLE,
0.0: Musteal Clock. 6.15: Early Morning Melodies,
News.
6.45: Morning Morning News.
fions.
6.10: Morning Me Mews. Medita8.0: Joy Olub Session, 8.15: Varlety Muslo, 9.45 : Racing Talk 10.45: Serlal Story, 11.0 : Old Folks Scasion. 12.0 noon:

2BL 8.0
WEDNESDAY'S WEIGHTS
By the A.B.C. Racing Commentator
2BL 8.15
THE RADIO ROUNDSMAN
Interviews Personalifies in the Nows 2BL 8.35

AN ORIGINAL SKETCH

## THE GRIP OF STEEL

Presented by WIN and WINDLE 2BL 9.0
TERPISCHORE

JIM DAVIDSON'S DANCE BAND
Assisted by FAVORITE RADIO ARTISTS
5.35: Joy Club Sunshine Ship. 7.15: Musle.
5.40; Jack and Snowy, 6.0: Dinner Music Overture. Theatres.
Watch Tower. Watch Tower, 6.25 : Joyater Note and News Flashes. $6.40: \mathrm{Mr}$. and Mrs. Everybody.
7.15: Hawallan Memories 8.0:

Peoples Programme. 10.0: News
( 10.10: 2HD RADIO VAUDEVIIE AND OLD-TIME DANCE MUSIC.

## 2WL

WOLLONGONG 1430 Kilocyclos
10.0: Morning Musie. 10.15: What's on To-day. 10.16: Brich Musical Programme, 10.30 : Favorites Oid and New. 11.0: Recordings, 11.30: Close.
2.30: Race Descriptions of the Sydney Races, by Harry Solomons, and of the Melbourne from 2UE: 5.0: Close, Recorded 30: Overture. 6.40 Recorded Mr. Sid Hisyes. 7.15: Sporting Results, 7.30 : The Atr Mall Mys-
8.0: 2 WL DANCE SESSIONAIL THE LATEST DANCE HITS INTERSPERSED WITH VOCAL AND HUMOROUS NUMBERS.
10.45: Close.

Note:-Descriptions
Greyhound Courtan of the Park by Harty folom Irarold layed from 2UE, at Intervals throughout the eventng, Complete resume at approx, 10.30

## $2 N Z$

INVERELL
7.0: News 8. O: Late Newn All Sing with toin walker 8.30 tet All Sing with John Walker. 9.0: coser
Mornlng Tea, 11.15
Oh Kay. 11.30 : Something of Inter 2.30: Lumeheon Bession. 1.0: Code Spectal 2.0. Crose
3.0: Early Evening Scssion. 6.0\% Calle. 6.15: Dinner Masic. ${ }^{7.0}$ :
Your Chofce-Not Ours. 2NZ News Review.

* PAL FROM THE DANCE 8.45: A Spot of Tum AIR. the Dance palals. $9.30 ;$ At the Cafe Continental 9.45 : Meditathon Minutes. 10.0: Close.


NEWCASTLE,
1410 Kilocycles
8.0: Melodious Moments. 8.15: atanabe and Willam. 8.30: DESCRIPTION OF THE MAIN CONTST AT THE MR. STAN HEANEX.
11.0: Close.

2 MO GUNNEDAH, 1360 Kilocycles
Day Sessions as Friday
6.0: Chlldren's Muste, 6.3: Serlal Story, 6.15: Birthday Calls and Oheerios. 6.30 , Entertainment Joe and Cyntha. 7.15: Sporting Resuits.
7.40: Old-time and Jaza Muste. 9.0: The Happy Hour, 9.30: Lidener-arranged Programme. 9.31: Weather. 10.0: Close.

2CA
CANBERRA,
1050 Kilocyclos
0.0: Muale, 0.10: Popular RecordIngs. 0.10 , Ohludren's Birthday Checrios. 6.25 , Whats On 14 Canbera. 0.30 voct Hist Sport Results. 7.0: Vocal Hall-hour
.30: Famous Dance Bands, 7.45 : Hot and Hotter. - 8.0: Famoy Orchestras. 8, 30; Favorites, old $\begin{array}{ll}\text { and New, } & \text { 8.45: } \\ \text { Quarter-hour. } & \text { Instumental } \\ \text { 9.0: } & \text { New Record }\end{array}$ Quarter-hour, 9.0 : New Record Heleases 10.15 : Station Announcements and Close.

## $2 G N$ GOULBURN <br> 1390 Kilocycles

## Day Sesstons as usual

5.30: Entertalnment for Tiny Tots. 5.45: Serial Story for Children. 6.0: Dinner Music.
7.15: Race Results.
7.45: Popular Releases

2TM
TAMWORTH,
1300 Kilocycles
Day Sestions as Fr
5.0: Children's Hou
6.0. Dihner Musle.
.30: sportng Review, by $\mathrm{A}, \mathrm{W}$
6. 45: In Town To-ntght.
7.45: Unele Bud's Radib Scision.
8.15: Plano Popularities.
2.0: Dance Programme, 9.30 : Radio
Rhythm 12.0: Close

2KA
KATOOMBA
1160 Kilosycles
10.0: Radio Trade Demonstration 2.0:.0: Radio Matinee 5.0 : Early


# curaser mocempmest SOUTH AUSTRALIAN STATIONS 

Beģinning Friday, June 18, 1937

## Friday, June 18

5CL
Adelaide. 730 k.c.
5CK Crystal Brook, 640 k.c.


## 5AD Adelaide, 1310 k.c. 5PI Crystal Brook, 1040 k.c. 5 MU Murray Bridge, 1450 k.c.



Adelaide, 960 k.c. 5RM Murray Heights, 850 k.c.


## 5KA

Adelaide, 1200 k.c.

## 30; Early Ttema of Interent tor Celintry Itsteners, Weather mareant and Bragrainme Ior the

 D.0. Weather Mrecast Mur programme for theDing Melods Muicale. 8.0: Children's Hright Brondcast.
2.0: Classince Acs 10.0 I. I-dies' gession 0.4. ' Homit-lovsts Compeftion Cortier, 11.0. Chase for the Lonniome
11 is "Roek Rnd" Reating be the Author, 11.40: Classified Ads, 35 : Mastery Competition.

## West's Theatre, <br> Happy Entertatiment for the Children. Dinner-time Muic. 5.30 : Classified Adx. bimier-time Muice K.30: Classified Ads. lie 8.A. Werker News. Bulietis.  <br> Munieal Vsriety sio: Sporting Talk. Travel Club Talk. <br> Culloden's Tratting Talk. <br> Ceriland gally, in an New Releaies. <br> Saturday, June 19

 5CL Adelaide. 730 k.c. 5CK Crystal Brook, 640 k.c.Voten 735 Whatior Rumpun, and Nows10 Time Bignt
1.1. Dailv Broncreal Rorvice under the auppicen Ie Coumeil of Churches, Preacher, Rev,
Johmon for Haplst, Massed Mands, with Rale de Costa Rist and Jolin Hendr
Canlifid Acceptancer.

### 12.0 Luticicon Muic 30 Girain Rerinet. ehd News

1230
2.35 : Weather and River Replorts Aviatlon feco from Victoria Park and daulfcld will be provided, anterspersed with league Foot5.30. The Children's Sension eonducted by 5.0 Dinner Musio
6.30 A Talk en Te-dasy's Leaglie Foothall, by 6.40- Interlule News Rnitetin

## a Nows altd Raee Results

10.4 Cl . The A.Is. C (8ydiney) Wheless

 8. 30 A A Hecifat by the Himdmarali Mumicipal
Rand, comducted by Alee Radelife-Quiok. Rend. comdueted by Alec Radeliffe-Quiok-
sten. The Mad Moior Aliord: Fumoresque.
 Patrol, The Cock $0^{\circ}$ the North (Carrie);
Characteristie, The Grasshoppers Dance 0. Weather Bulletin and Andia Areendale). Siudtiob of that Distinh Production from the ine xim and watar soate Dance Beni.

## 5AD Adelaide, 1310 k.c.

5PI Crystal Brook, 1040 k.c. 5 MU Murray Bridge, 1450 k.c.


Page Two Firelass Weelity Programme Supplenent for South
2.0: Song by Peter Diwsson Mass Barlioner,
 for 5 AD Mir Steve Mekee, Sporting Eattor is: Hume profect Club. conducted by Mr Market, Tidec, Itwer Levels, and Weather 5AD-PI-大品


5DN
Adelaide, 960 k.c. 5RM Murray Heights, 850 k.c.
$\qquad$ 5KA Adelaide, 1200 k.c. is: Meiody Mroacenst, 90 . Cinssitied Ads

 The Ietest Sprints Results from Melbourne.
0: Erle Welch nt the V Is C. Races. 0: Sing song from the Stud.a.

6:. Stortrit Hergme 6.30 Classiffed Ads 6. $50^{-}$S A. Worker Nuas Itulletin.
T.15 Noel Woolacos Thbs to Tenals Enthuz

## Sunday, June 20

5 CL
Adelaide. 730 k.c. 5CK Crystal Brook, 640 k.c.

Australia.
Friday, June 18, 193:
8.0: Clems from Gatbort and Sulitvan Operas.



5DN Adelaide, 960 k.c. 5RM Murray Heights, 850 k.c.


\section*{ <br> 

## Monday, June 21

## 5CL <br> Adelaide. 730 k.c.

 5CK Crystal Brook, 640 k.c.

## 




5AD Adelaide, 1310 k.c.
5PI Crystal Brook, 1040 k.c.
5 MU Murray Bridge, 1450 k.c.
20. WhD

morrow from SAD-PT-MU morros irom SAD-PI-MO. NiWs Summary,
Whet Market Ahsttotrs Stocke Wheat Markel, Abatwirs Stock Market Mans
fropendent report). Stock Exehaige Mails, and Shlpptig. Tides, Riser Levels, Weather 2.30: Musieal Medley

5DN Adelaide, 960 k.c. 5RM Murray Heights, 850 k.c.

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|  |  |
|  |  |

5KA Adelaide, 1200 k.c.
3. 30. Eseriv Morning Programime
T.05 Weather Report and Programme for the
Dev 8.0: Chifdren's Broadcast. 9.0; Classifled Ads 9.70: Cectl and Eally, 10.0 : Ladies Session, 10.155 Merrymakers Infor
10.30 . Spomsored Session.
10.30 : Spotsored Sesston,
10.45 : Home-Lover: Com
11.18: "Rock Find"- Resritnsin Cortr

## 12.0; Clakaltied Ads, Lemelieon Myste

2.0: New Fecord Releaves
5.15: Chifdren's Programme
5.45: Varietv Music 6.30: Classithed Acts
6.50: S.A. Worker News Service 7.0: Music,
715 The At Sesion.
A.0; 5 KA Happlness Concert, relayed from the Adelaide Town Hall
A 30: Sponsored firssion
a
210: Musteal Competitich
3.20. Programme Reinyed from Happiness Con-

230: Physicat Culture, with Reg shorthove
3.45. Sponsorcd Programme. 12.0: Weather
Report. Close.

## Tuesday, June 22

scl
Adelaide. $730 \mathrm{k} . \mathrm{c}$
5CK Crystal Brook, 640 k.c.

[^1]3.1: Grand Hotel Orchextra: Dance of the Ieleles Rubeast, Balkan Princess Kentedy. Russell. Dora Labbette isopranol: One
Morning Very Early (Banderson). My Mothe: Bids Me Bind My Hair (Haydn)
3.15: Educational Broadcast by Mr. J. S Walser.
Time?
Itme
$3: 30: ~ Y$
3:30: Yehud! Menuhin and the Orchestra Sym. phonique of Parts: Concerto in D Majot
0 The
A.B.C. Bridge Club, conducter by "No Trump.
4.15: "ßongs of Ireland.
4.27: News. 4.30, Close.
5.30: The Children's Session condtreted by M rie. Loulse.
6.0. Dinner Muste.
6.40: Agricultural Talk
6.50: National News Bulletin
7.0 Evening Neकs, 7.5: Official Stock Exehmage. 7.15: MarkeL Reports. 7.20: Inter Inde.
7.30; "Victoria Regina," Scenes from the Life of a Queen, by Laurence Housman, Adapted for Radio by Lesile Clarke Rees isee 2FC: 8. 15 National Talk by Mr, H. W, Allen: "Aris tophrmest Tate of The Round Men.
8.30: Recital of French Songs by Violet Somers.t, soprano: Ies Vlelles de Ches Nous cold
Folks a. Home), Obarles Levade), Berceuse (Lullaby), (Rhene-Baton), Le Rossignol s'est tu (The Nightingale is Sitent), (N Sokolow), Mandoline (Poldowski) 8.42: Interlude 8.50: A Recitat by the Budapest String Quartet 9.30: From Adelaide-State Programme From Adelade-State Programme
"Variety," with Marie Bremner, soprano Herbert Browne, tenor, and Alfed Frith comedtan
10.0: News, Weather Bultetin, and Aviation, 10.10: Dance Muste by the National Dance Of chestra, conducted by A! Hammett. 11.0 Time Signat. Medintion Musie: "Respight" Second Sulte of Ancient Dances. Fountains of Rome. 11.50: Close.

## 5AD Adelaide, 1310 k.c. 5PI Crystal Brook, 1040 k.c. 5MU Murray Bridge, 1450 k.c.

## O. Nelsy to SPT Fegins. What is on ht SND

 Marliet Tides, River Levels Mails, Ship-ping. 7.15 ; Bight Jariy Morning Muste, 0.0 .
Vsriets, 45 , Horiskeping Club, conducted by Nanette
945: Housekeeping Club, condueted by Nanette
10.0; The Voice of Faperlence-If you have a Problem, write to him.
10.15 . Be:ty atid Bob- B new aspect on Mar-
10.30: Roberta Russell on Fashions
11.0.) Nanmette and the Home Clrele Club.

11,30 : Clem and Tina a very Domestic Coupic
1145 : Roperta Fussell on Etiquette for all
11.45 : Roberta Fussell on Etiquette for all occusions.
0 Musie.
12.0: Musie.
1230 Weathe
1.0: Nariety, Eymmary, Including Weather Pore catt Orchestra) Selections
20 Close spl closes until a p.m.
5.0 On the Mail-a Hrass Hand Conert Ied by Kobert Hood Bowers. My Anona Winn and Rezinaid Purdell, with Regimuld King's Orchestra, Yorzenson a seasion of Comedy by
a.3n: Yogl Your 3.4.: Shadiow of the Past, a Fantasy of the Caurasus. Diamond Point Wide Ravge Reis A Taik by Colonel W. Dollman. i.43: Kenry Hall and his B.B.C. Danes Ot \$ chesta, Relay Resumed, bMU Relay Regins 5AD-Pi-MU Kangeroo Club
6.30: Magazine of the Air. A Talk by Observer

F.0: Bonks by Webster Rooth Tennt
7.1s. The Doings of Dad and Dave from Snake 8.20: Varlety.
7.45: Flest Ness Summary Wheat Marliets Tides, River Levels, and Weather Fhrecast
8.0: Theatie of the Ais. Songs by your Favor 0: Theatre of the Air: Songs by your Favor
tie Stars.
B. 15. Cclelnglte Coneer: by Famous Artists
5.10. Music.
5. Mo Music Rourdon and his Kympliony or
R.0 Rosario Rours chestra Songi hy the Mastersinketi,
Higher Mdelite Progrume
Higher Fided of Programme Features from
-0 SuD-PI-MU for To-morros. Summurt. Whent
SAD-M
Market. Stock Exchanze, Mall and Shipping.
Tides, River tevels, and Weather Forccant
10.0; The House of Peter McGregor. The ad.
ventures of a graif but loveable old man.
10.15 : Variety Musicale. 11.0 : Ciose.
10.25: Variety Musicale. 11.0: Diose,

5DN
Adelaide, 960 k.c.
5RM Murray Heights, 850 k.c.
2.15: Breakfast Musio
8.15: Bripht Muste, 8.30, Musicale
p.4.5: Business Man's session
10.0: Whitedalds Initiute.
10.0. 15: Moraing Tea Music
11.0: Wornat's Sexston

Morning Tea Musio continued
GPD Chimes
Fartv lumeheon turtics
12.15: Weather Ieport 12.4 : Maste

Musieal Thour. $3.0:$
Masters of Melody.
Chaldrea's Scsition.
Dianer Muale, 6.30; Dorotly's Diney
Wide Range 6.40 Muste
Wide Range, 6.40; Muste,
Methodixt Minister
Come to the Falr-Wide Rang
Come to the Falr-Wade Range
Around the Bandstand.
SDN Klpling Boys Club Concert, con
ducted by Bert Woolley
30 Home. Sweet Home
8.45: Pageant of Grcat Artists, 9.0: Wude

Range, Fank and Archte in Hollywood.
Q.30; Mustaile, Report end Musieft) Potpourri
10.0: Weather Repor

## 5KA

Adelaide, 1200 k.c.

## 0: Woather Report sild Froaramme Review.

 Woather Report snBreakfast Seisson. 8.0. Chideren's Programme. 8.45: Music
0.0 . Clasifled Ade 030 . Cecit and Saily.
10.15; Merrymakers Information
10. 45: Homelovers" Competitloa Gormer.
11.15: "Took End" Roading by the Author $F$ 1.15: "Fook End" Reading by the Author F 11. 40 Traby King Tangat Tan to Mothers
12.0 noon: Classified Ads-Luncheon Musle. 12.0 noon: Classified Ads.-Luncheon Masle.
thusiasts.
2.45: Noci Woolacot. Talks to Trinnis En3.07 SKA Book Cinb IAterary Corner
4.0 : Victorta Revmalds Chat
5.15: Willie Chinaman and Doe Entertaln thit 5.45: Dirner Musle, 6.30: Classiffed Ads. 6.50: S.A. Worker News Hulletin
6.50: Muste, 7.15 : Mriody Gession


## Wednesday, June 23

5CL Adelaide. 730 k.e.
5CK Crystal Brook, 640 k.c.
5.34. Weather Notes Cood sormit! Melofe 6.10: shipping, Mall and Graln Feports.
Whet's on To-dar? The Sporting Dlart 6.50 Matket Reports The Sporting Diary
 Notes, 735 : Cables 7.40 : Music 130 , Items of Interest 8.35 , Music 9.0 Close,
$10.31 ;$
1 tousexives Morning Tea Nesston: London Symphony Orchestra: Oberon Overture (Weher)
 10.54: Dalty Nrosedent Service, Under the aukplons of the Coublet of Churebeg Preacher Mr, Fidrin Ashby, for Boclety of Priends. 0.ss, interluct

## 11.0: A Talls by a Member of the Housewives

## Lis: Turner Lavton and a Piann: There's a

 New Woric, Swinz time Enfection, Orehestr 30 No knifroum semations World We thee in." A Talle ort Current Af fairs, by Professor C. S. Browne 114 .
2.15) "The Home and Abroad:"
mentagy by "The Watehman,
 Reports Aviation
During the afternnon, racing services from Tailem linud and Cautlield Compersation Meeting:, will be provided, intersperged with Muslo from the studica 430 (approx
ssi. The Chlidren's sevion. comilucted
"Marle Loulve" 5.0 thenter Mrasic,
A1s The KCF . Bluebird Club, contactan to
6.10: Nutiontal Thik be Dr. H. L. Hzovec What the Telesicope Roverus: A Voyagte Anong the
6.45: Interlude. 6.50: National News Bulletin 7.0: Nexs nitd Race Results. 7.5: Oflicia.
Stock Exehange. Stock Exchange.
"A Dery in Notes by Captain C. H, Ftock
7.22: Sheep Market Fieports
tiastrika.
Friday, June 18, 193 :



5AD
Adelaide, 1310 k.c.
5PI Crystal Brook, 1040 k.c. 5MU Murray Bridge, 1450 k.c.


## Thursday, June 24 <br> 5CL Adelaide. 730 k.c. 5CK Crystal Brook, 640 k.c.

## 5AD Adelaide, 1310 k.c. <br> 5PI Crystal Brook, 1040 k.c. <br> 5MU Murray Bridge, 1450 k.c.

## 

 dies 8.0 Music, 9.0 Variety,943 Honsekeeping Chub, condncted by Nanette 10.0 The Voice of Exyerlence if yon have
2e. Problem write to him. Helty and Bob, it new angle on Mar 10.30: Roberta Pussell conducts her Query 11.0: Nanette and the Home Circle Clab. 11 30: Ctem and 1ma, a very Domestic Contile,
it 45: A talk on Beautv, by Ruberta Rulisell 120 A Variely. 12.30: Grain Report and
12. Meather Fotecast Misie Weather Eotecast. Musie, Weather Forest. Orchestfisi Eefectlons.
30: Close, $3 P I$ cloies until 5 pm .
30 . Concert in Mintatare froin the Concert
 fenture of humarous advice to listeriets.
3.3 : Accordeon Hits. 3.45: Deep South, sungs from the Mississippl

 Point Wide Ranae Libraty Exclusive to SAD.
0 SPI. Relay Resumed. 5 MU Relay Begias.
SAD-PI.MU Kamuafog. Clib aAD-Pt-MU Kamiarog Clab.
Splected Dirnier Misicale

### 8.30: Magatine of the A 6.35: Mykical Medley

6.35: Musical Lisrs Clab Campaiga Nesk, 7.0: Mitsic,
6.85: The Doans of Didd ind Dave from Snake 7.15. The Doings of Did intid Dave from Snake
Gully. $7.30:$ Musie. 75: First News Sutnmary, Wheat Markets.
Tides Hiver Levels and Weather Forceskts. 8.0 A ifromatised iffestory, Percy's, $\pi$ farctcal sctiootroom scene.
8.301 variecty. 9.0 Finky Lee the sallor. 8.301 Variety, 9.0 Fink
9.9 A Musical Faniasy.

## 


 Sradmat. Travrl Talls by Trivellets: "Places
of Interest on the Engllsh, Tous. 12.15 At Home sud Abroad "
mentary lay "The Wafenmun

### 12.30 Gratn Repurts and News. 12.35: Orficial



 ent repart, Block Exchange, Minil and Shipidy. his
10 V . The house of Peter Acoregor. The IIfe

## 5 DN Adelaide, 960 k.c. 5RM Murray Heights, 850 k.c.



Kidcies Party from Katoomba 1230: 3KA RACING SERVICE WITH COMPLETE DESCRIP-
TIONS OF SYDNEY AND MELBOLRNE HACES,
So. Litht Muatc. 8.45; Merry 630: Dinner Muste. 6.45: SportMe Commentary. 70: Songs anc entertions. 7.30: Rado Rhythim 45: Gem of the Evening, 7.50:
Overture 8.0 Fits from Thows 8:15: ponald Prankers is the mike. 8.30: Popular Muste. 8.45: The Count of Monte Cristo 9.0: Radio Dance Night.
Close.

## 2AD

ARMIDALE,
1080 Kilocycles
0: Date. Time Siknal. Morning
Hymn. Band Music. $7.15:$ News Scrilce, Mand Market and Weathe Reports, Musical Moments.

Birthday anid Cheerio Catts Information Bureau. 8.30: Show seiections, 8.50
1.30: Programme Beview. Music 10: Rnce Special, 1.30: Close.
6.0: Dinner Muste and Birthday Musica! Moments.
8.0: Musical Travelogue. 8.15: Lovers' session,
90: Dance Musle.
9.- News, Markets and Weather Reports. 9.45: On with the Dance
10.0 Cabaret Cameo. 10.30 : Close

LISMORE,
900 Kilocycles
Day Sessions as Friday, excent 10.0: Chudren's Party, 10.30: Closed 6 o: Minner Muslo, with Sheelagh Keyboard Kapers.
Sporting Session-Results of all local ond Distriet Sporting
8.0: Mrusica! Jewel Box. 8.30 of Comedy, foments, s.as: Spo R: Rafput, 8.49: Radio Dance
Prosramme. 3.50; Birthday Greet2GF

GRAFTON 30 to 8.30 y Merry Morning Ses-
kion, with Community Singing 120: Weather. With 12.30 . Singing 1.15: Musical Box. 1.30: Masic. 2.0: Close.

50: Kitty, John and Ivan. 6.13: Golliwogs, $715:$ Sporting Ob
serier 7.40 : News. $7.45:$ Nrusic. 8.30: Istening-in on Hollywood 8.40: Hystoric Tails. 9.35 , New 2RG GRIFFITH 0: Children's Session, 6.30: Musle 1.overs Pot-pourri 7.0: Songs at at
the Piano, by Gyril Jamed. 7.15 : the Piano, by Oyrin Comedye 7.30 Market Reports. Programme, 10.30: Good-night Song.
2AY 1480 Kilocycles 12.0: Open 12.30: News, 1:15; The
Musio Box. 2.0: Close: Musto Hox. 2.0: 3 , Chillase: 6.0 : Dinsion. conducted by Mr, Buntan 6. Gems of the Evening © 8.30 :

DENILIQUIN,
1440 Kilocycles 730: Brighter Morning Maric. 8.0: News, Weather, ete, $9.0:$ Close
12.0 Community Singing Broadcast,
$12.45:$ Lunchicon Musite.
News. Weather ete. 1.30 to 5.0: The Ertc welch Race
6.0: Children's Session. 7.0: 2QN

Sporting Commentary, 8.0 Mrusical Comedy, and Talkle Hit
Seston, 9.30 : News. $9.45:$ New Sesslon, 9.30: News, 9.45 : New $\begin{array}{ll}\text { Release } \begin{array}{l}\text { Sesslon. } \\ \text { Dince }\end{array} & \text { 10.0: } \\ \text { Programme. } & \text { 12.0: } \\ \text { Close. }\end{array}$
. Early Morning Melodies. 7.15 Nows. Local Lengue Football Broadcast. Children's Sexsion: 5.30 : Vari ety. 6.0: Dinner Music. 6.30 News and Stocks. 7.0 : Musica Medley. 7.45 : Sporting Comments 8.0: Melody and Mirth 9.0: News. 9.15 : Pllm Muste.
9.30: Dance Programme, 10.30 :

## Close

BATHURST, 1500 Kilocycles Day Sozsions as Priday. 45: Community singing by 2as Children's Olub. 6.15: News Race Results. 7.5: Musical Ramblings.

MELBOURNE, 770 Kilocycles
Day sessions as Friday, except: by AB.C. Comppenings in Sport 65: From Commentator. Ground the Melbourne Cricket ball Match. Melbourne v, University, 2.25 : Description of the League Football Match, Melbourne v . Geelong. 3.35: Sporting Re-
3.45: Description of Football Match contmued. 4.55 (approx.): Sporth 5.25 Results. Music.

Foothyll Ecostue and Assoctation 5.30: Young People's Session-An Opening Chorus and Melodies Rudlo Berial: "His Imperial HighRadio Berial: "His Imperial Hien-
ness." by Claire Mellion. Serge Dowing talks about "Russlan Music. Good-night.
6.0: Dinner Music
2.40: The A.B.C. (Sydnes) Wire8.0. Bronislaw Huberiman (see D.0: Dramatic Reoital (see 2FO) 9.15: The A.B.C. (Sychey) Concert 10.5: The Sascha Berliner Ensemble (see 25 FC ) :0.30: Interlude.
10.40: Meditation Musio. Nexs, 11.20: Close.

MELBOURNE,
3AR 630 Kilocycles
Day Sessions as Friday, except: 9.0: For the Music Student- FeLitidsay Biggins
1: During the afternoon Jim CerRoll will describe the V.A.T.O. Toolambool Hurdte, 2 miles 65 yards, Minooh Two-year-old, ? furlongs. Richmond Handicap, 1 mile and a quarter, Wanda furlongs. Cambria Welter, one mile and half a furlong. Rouny Plate, 6 furionge Wherever possible Relayed Descriptions from Sydney will be 5 Fiven of the Rasirhill Races 5.0: Sporting Resuls to hnndion Foothan Scores.

## Mute

6.15: Countryman's Session 6.35: Sporting Session, condueted by. AB.C. Commentato 6.45: (8.) Talk by Mr. Cyril Towers -Rugby, Unifon
6. 55 (M.) Sporting Session (Contriued
7.0: Sporting Personallties.

15 : Music
20. Natonal News Bulletin. 7.30 :
Victorian Nows Bulletin. 7.35 : Sporting Hightights of the Week 0: Old-time Dance Night, Mastes of Ceremoniest Robert H. Spaven Walts English Beautles (Crowe) Marn Dance Sons of the Se Fantomime (Kapst Schottische

## ON THE SHORT WAVES

6.0 s m . (GBB 31.5, GSD 25.5, GSI -9.6): Viola Recita1 by it Townshend. 6.20: Taik on Responsibilities of Emptre." 6.35: The BBO. Theatre Organ. 6.45: Close.
8.0 a.m. (DJD 25.4 DJt 198, DJC 49.81- Popular Orchestrai News th German and English. 7.20 : Olose
0 am . (GSO 12.7, GSB 31.5, GSG 16.8, GSY 10.81: Newsletter 7.25: 'Hawles Common Riding'-One of the moss colorfit of Scotland's Events; 7.55; Dance Musie. $8.20:$ Recorded Commentary of International Alto-cycle
Trophy Race. Isle of Man. 8.30; The Henry Bronkiurat Trio. 9.0: Close. DJB 19.7. DJN 31.4): German Folk Songs. 8. Varlety 8. 45 : News in German. 9.0: New German Light Mustc. 10.0 : National Socialist Principles. 10.15 Sound Pietures 10.30: An English Play, GSB 31.51) Tine
20 am . GSP 19.6, GSO 19.7, GSD 25.5, GSB .20 am . (GSP 19.6, GSO 19.7. GSD
B.B.C. Emplre Orchestra. 10.0; Talk on tresponsiblities of Empire 10.15 : Programme of Piping and Fidang. Ne: Bill Bisett and his Canadians. 11.10: News Dance Music
1.15: i m. (DJB 19.7 DJQ 19.6, DJR 19.56 DJN 31.4): News in Engish from Berin. 11.30; Concort of theth Music, 11.45 . German Spas. Noon: News in German, 1.30: News in Enging . 12.30; Greetings to Lsteners. 1.50; Close. Noon (GSF 19.8, GSI 19.6, GSD 25.5, GSC 31.3) Big Ben "The Strange Adventures of Mr. Penny." 12.15: "Or All the Day -A Revue for Broaccastmg. Aary on International Auto-cyele Race at Isle of Man 12.55: Organ Recital from Brondcaating House, 1.25; Taik on Responsibilities
$12.45 \mathrm{p} . \mathrm{m} .(3 \mathrm{R} ~$
$31.34)$ : Recorced music. 1.0 : Victorian News. 1.5: Interstate Weather, 1.15 : Music and Sporting Broad casts.m. (TPA4 25.6): News in Englith Trom Paris, 1.40 Music, 2.45; Nows in German, GS: 19.7.): "London Log." 2.402 RECITAL BY AUSTRALIAN ARTISTS-Dorcas MCLCan (Yiolin) and E Gardiner (Piano), 3.10: Students Songs, D the B.B.C. Men's Chorus with S. Robertson (Bartione) 4.15: "John Londoner at Home," 4.45: Close
3.10 p.m. (DJN 31.4, DJB 19.7 , DJE 16.8 ): Week-end Music Greetings to Listeners. ${ }^{5} .0$ : News in English. 5.15 : Sound Pictures. 5.30 ; New German Light Music
6.30 p.m. (3LP 31.34$)$ ) News. Marketa, and Weather Reporta
 gramme by the A.B.C, Wireless Chorus Sydney. 8.0; CONCERT BY BRONISLAW HUBERMAN (Vigiting Volmist S. Melbourne Programme. 10.30 , News. 10.50 . Mail Bag Sen-
slon for Australla, New Zealaid, and North America, 11,10 :
$6.45 \mathrm{p} . \mathrm{m}$. DJB 19.74 ): Songs and Verse of Flowers and Sun graphy. 8.0: 1 Light Music. 8.18: Close. Bands. 9.0: News and Weather. 9.15: Australian Artists'
 by Bernard Ross (Baritone)-Roadways, Jolly Tinker, Kins Charies. Shipmates o Ming. Onawwy, Awake Beioved Kio Talk on 'Responsibilities of Empire." 9.15: Piano Recital by P. Saxe-Wyncham-Ballade in O Minor. Serenade in B Pat Strange Adventures of Mr. Penny," Episode 10. 10.0: Tre Commodore Grand Orohestra, from Hammersmith Theatre London. 10.20: "London Log." 10,30: The Commodore Grand Orchestra, 10.45: Children's Session. "Fergus and Finn"-A 2.0 pm . (DJB 10.7 DJE 16.8, DJQ 19.6 : Concert of Light Music from. Berim. 10.0 Nows in English, 10.15: Ligns shusse Concert of Army Band. Midnight: News in English from DJE, DJN, and DJQ, und in Dutch from DJB,
 corded Musie OTHER SCHEDULES SER FRIDAY,

Boys of the Old Brigade (Barri) Zancers Army and Navy (Allen) Veleta-Noghis of Polonial (Bues) cliffe). Polka-Colonial ClemenDina (Traditional), Alberts-The
Dawn of the Century (Willams) Dawn of the Century (Wimams),
Walts (Strauss), Parma - Old-timers (strauss), Parma - Old-timers in' of the Green (Kapa), CamaIn o born Dance-Red, Whate and Blue (Shaw)
10.15 (approx.): News.
0.30 (approx.): Old-time Dance Music Continued

## 12.0; Interstate Shipping. Close,

$2 \mathrm{CO} \quad \begin{aligned} & \text { COROWA } \\ & 670 \text { Kilocycles }\end{aligned}$
6.30: See 2BL. 6.50: See 3AR. 9.0 : Close.
10.0: See 3LO. 11.30: Close

13 0i $\operatorname{see} 31 \mathrm{~L}, 12.35$ : News. 12.45: See 3LO. 1.15: See 3AR
See 3LO, with Race Descrip-
tions from 3 AR. 5.30 : See 3LiO.
6.25: Gce 3AR 7.0: Local News Service, includug Market Reports from Albury, 7.1s: see 3AR.

## 4QG

BRISBANE, 800 Kilocycles
6.30: Weather, Racing Antielpations, Bir Mals. 6.45 . News. Oficiol Becond News. $8.5:$, Britisi Music (r.). 8.30: Close. 1.0: The Dally Broadcsat. Service.
conducted for the conducted for the Lutherat
Church by Pastor O. H. Adter. 11.15 : Musle. 12.40 , Weather 12.45: Musie. 1.0 : News. During the afternoon desorip thens will be given of the RoseRoekhampton Jockey Club Doomben and Melbourne Race Results. Pit Pereriptions.
(Continued on page 39)


# : 

## 2FC 6.0

## IN QUIRES AND PLACES WHERE THEY SING

Presonted by

THE A.B.C. (MELBOURNE) WIRELESS CHORUS Under the Direction of JOSEPH POST, with FREDERIC EARLE AT THE ORGAN

Hyme Tunes spirit come (190) .. .. ... .. (8ankey)
Conne. Hankey)

$\qquad$ Eymn Tunes:
Eicrnal Father (1061
For Thee O Dear, Denr Country,
Magnificit ...
Magnifical

2FC 6.30

## RANDOM PAGES

## A. PIANO MISCELLANY BY

## MABEL MUNTZ

Chunson du Voyageur (Travelles' Song) (Paderewikd) Rococa
(Paingren)
On Ion "Entend une" Viellie Bolte a musique (Where Ou Don Entend Hold Musical Box) ..... (De Soverae) Ragamumin .. .. .. .. .. .. ..... ..... (John 1reland 6.40: NATIONAL TALK-THE CHINESE DRAGON AWAKES-- miss Constance duncan 2.5: Musical thems (f.).
11.0 PROM CONCORD BAPTIST Mornine

REV. P, ROBINSON.
12. 15 : close
20. Miscat Hems ( t .),

ATELLAA POWER, Soprano.
 CIESTRA, conducted by EU GENE ORMANDX-
${ }^{\mathrm{Im}}$ landier tempo.
poco pilu moderato.
Un poco pilu allegro.
Allegero moderato.
Allegra (Trio. Thie canary). Pill moderato (Trio. Orcan Grinder).
Allegretio.
 HERBERT ERNST CROH,
Tenor-
Iovely is the Day.
To-morrow the Sun will be ShinEmise Joyce, PlanisteLa Danso Dotis

Pick-Manglagatil
ai Olseau jEtals a Tol do volral in route (Concert study)
3.45: "an unopytolal visitor." captain hal sutheriand. GRAND ORCHESTRA PHINARGRAND ORCHESTRA OV PARAR Cd by EEMMAR MERJROWITZLes Preludes (Symphonle Poem) ANNT FRIND, Sopraino, with ORCHESTRA AND CHORUS OF GROSSEN SCHAUYYRIELHAUSES. BERLIN. conducted by ERNST HAUKE
YEHUDI MENUHIN, VIolintst Romanza Andaluma Op 22 Gultarre (MGowkowiki-Saracate 4 30. Cinse QuIres AND PLACES
So. IN Where Thex sina. (Sec Penel) 6. Sonet.) RANDOM PAGES. (Soe

THE CHINESE DRAGON miss Constance duncan 7.0. SYMPHONY HOUR. (Seo panel.
8.0: THIS WEEK'S STORY-

ROBIN CUMMMELLS DIARY.
By WILILAM TAINSH.
8.15: EVERYMAN'S MUSIO. (See Panel.)
8.50: INTERNATIONAL, AFFATRS.
2.10. IT HAPPENED THEN-1830. (Sce Panel.)

### 10.15: Epilogue. 10.30: Close.

## 2BL

SYDNEY, 740 Kilocycles
2.0: G.p.o. Chtmes. Weather In9.5: This Morning's News from "The Sunday Sun" "Truth," and A.B.C. Scrvice. Additional Now A.B.C. Sorvice. Additional New Nows Services sporting Results. 9. 15 : Import
$9.25:$ COUNTRYMAN'S SESSION. 9.45: Morning Musio (f): 11.0: HANBEL AND ORETEL. A Pairy Play in Tareo Tableaux Musio by ENOELBERT HUMALFRED CORTOT PlanotorteScenes from Chlldhood INNA PAGLUGGII EopranoLa Gazza Ladra (The Thloving Magpie) (Rosini-Cheresdins) O. How Beats My Heart with Joy. Oi Bounteous Heaven. JASCHA HETPETZ and THE LONDON PHUHARMONIC OFCHESTRA-
Concerto No. 4 Concerto No. 4 in D Minor 1250: Morning News (Veuxtemps 1.10: A specinlly Arransed Programme of Vocal and Jnstrumen2.0: SHOEs AND SHIPS AND AN ARMCHATR CHAT, BY R.S 2no: Murical BURNEIL Interiade
2.20: Musical Interiade ( r .)
2.30: Claser sChnabet, Plano with the PRO ARTE QUARTET quintet in A Major, Op, 114
 4. TIO THETR LHE WANDERING VOCASTREL. 4.55 A TALK BY BOYD ORPEN $4.55 \%$ Muscal Muterluce
5.0 . somata Rectal by
JASC:IA SPIVAKOVSKY, Plano. tossy spivakovsky, violin. Sonata in G Major, Op, 30, No 3. for Pimino and Vilolm Allegro Assil.
Tempo di Minuetio.
 Pat Tells a Ptory
THE JUNIOR GAZETTE: A News Festure presented by Ben, Bry-
Yon, Man Patic Pootry, by INK-
6. ${ }^{\text {POT }}$ Munteal miteriudo (r.) ROTARY CHUROH SERVICE
(Prom SL. Margarets Presbyterian Church, Turramurra) iv
Condueted by ROTARTA 8.30: This Weel's Good Cause.

The MR MACY ELUB CHORCH
8.40: News and Weather. ${ }^{\text {B. }}$ See Panel.
9.15: Recital by
pAUL SCHMAMM Pianist.
9.45: PAMOUS ARTISTS.
10.0: Ploses

## 2NC

NEWCASTLE,
1230 Kilocycles
9.0 to 11.0: Relayed from 2BL CATHEDRAL Morning Service. 12. 15 to 2.0 : Relayed from 2BL.
3.0 to 4. 30. Relayed from 2PC,
4.30 to 6.30 : Relayed from 2BL
6.30 to 7.0 : Relayed from $2 F \mathrm{FC}$. 7.0 to appro TRAL METHODIST MISSION 8. Evening Service. 8.30 approx. to 10.30 : Relayed 2NR

NORTHERN RIVERS, 700 Kilocycles 9.0 to 11.0: Relayed from 2BL 11.0 to 12.15: Morning Service from i2.15 Baptlat Church Graftom. 12. 15 to 2.0: Relayed from 2 BL , 3.0 to $4.0:$ Relayed from $2 \mathrm{2FO}$,
4.0 to 6.30 : Relayed from 2 BL 4.0 to 6.30 : Relayed from 281 .
6.30 to 10.30 : Relayed from 2 FO . 2CR CENTRAL REGIONAL, 550 Kilocycles 9.0 to 11.0 : Relayed from 2BL ${ }^{11.0}$ to 12.15. PROM THE CON. ORANGE-Mornity Service. 12.15 to 2.0: Relayed from 2BL. ${ }_{4.30}^{3.0}$ to ${ }^{4.0}$. . Relaryed from ${ }^{2 \mathrm{FCO}}$ Relayed from 2 BL . 6.30 to 10.30 : Reliyed from 2 FC .

## 2UE <br> SYDNEY,

8.0: All star Revue
8.30: Cardening Talk-Mr. Honerteld. 8.45 : solected Music 9.30: Claude Holland (baritone) and culf Curby (pianist).
10.0: Hospital cheerio SESSION, CONDUCTED BY claude holland.
10.40: The Banjo Clab is.0: Harmony Lane, 12.0: Some of Your Favortes. 12:15: songa in Harmony. 12.30: Celebrities of the Moment. 1.0: Fim Favorites.

Swing pever, Digarrs hour, presented by CLAUDE HOLPrand and featuring the BSA PLAYERS, FRED WEBEER and THE DIGGERS.

## 2FC 7.0

## SYMPHONY HOUR

## Prosentod by

THE A.B.C. SYMPHONY ORCHESTRA Conducted by JOSEPH POST overture: Carnlval DIARY-BY WIILIAM TAINSH.

2FC 8.15
EVERYMAN'S MUSIC
Presented by ORCHESTRA

## THE A.B.C. SYMPHONY ORCHESTRA

 Conducted by JOSEPH POSTPeer Gynt Sutte
(Grieg) Morning.
The Death of Ave
mitras pance
Win the Hall of the Mountain King.
Wata from Naul 8.50 MNEERNATIONAL APPAITS ......... (Rossini)

## 2FC 9.10

## IT HAPPENED THEN - 1830

over a hundred years ago, stophenson was inventIng the Steam Engine the Duke of Wellington was fighting duels instead of Waterioo-Dumas was writing hts immortal romances.
In the frist of this new series of presentstions you Tilt hear of these things and many others and in dramatised form the panorah Written by vivian crockert.

Production: JOIN CAIRNS.

## 2BL 8.40

## THE NEW NOTE OCTET

Bird Songs at Eventide and I Hear You oaling Wood Nymphs-Valsette . . . ........ (Eric Coates) I Want Your Heart (yiolin solo, Albert phatar) Maydn wood) Love (Your Spell is Everywhere) $\quad$. $\dddot{P}^{(P a n f}$ (Goulding) Dupont)
 Carisesima
Pierette..............................$~$
(Ohiaminade)

2BL 9.15
PAUL SCHRAMM, Pianist Variations and Fugue on a Theme by G. Ph. Tolemann, Op. 134 .. .. .. .. .. ... .. .. .. .. (Max Reger)

2BL 9.45
FAMOUS ARTISTS

## THE BASSES OF TO-DAY

2.45: A Talk by Mra, Pankhurst Walsh.
3. 0 : Know Your Music. 3.30: At the Zoo with Mr. Biber. 4.0:
Theatre Memories. 4.15: Rod Theatre Memories, 4.15: Rod Ganiford Dogss-Talk by Mr. C. 5.0: Trimefy Tempo
3.15: The Advent Radio Church Service, co
Naden. Address
Tisticous will spend Eterniciy? The Home of the saved. 6.0: Artists and

* H.15: HARRY LANDIS and 0.45: Lasht Munio, 7.0 : The Sing-
7.15: The Family Doctor, Thim Muite.
c 7.30: WHAT'S YOURS?-A RADIO PLEBISCITE. Panl ivhiteman and his Con-
* 8.15: THE 1937 CHALET SHOW. produced by FRANK Howell and his Band Keira Howell and his Band, Keira Tuson, George Bellmaine. Lorne Landy, Sammy Fields,
Eric Conway, Pegsy Fields, Eric Conway, Pegry
and Guest Arfists.
9.0: The Randall Family.

Buitd a Little Home.
30: From Oevome. -9.15: Pail. 10.0: Out of the Band Box 10.30: Words and Muste. 11.0: Close.

## 2 CH

## SYDNEY.

 Ackland, contralto; Cholr dephla Orchestra: Miliza Korjus, soprano; Schnabel and Mme. Onnou: Hieberman, violinist; Minneapolts Symphony Orchestra! Tito Achipa, tenor, etc.10.02 ORCHESTRAL CLUBA. S. COCHRANE. 10.30: Yelly D'Armyl, Peter Daw-
son, Masted Bands, Puil and Orchestra, ete.
1.0: Morning Service-SC. Philip's Church of England, Sydney, Rev: T. O. Hammond, close.
W. Te Witronperance Sesslon-Francls and Orehestra Willem Mengelberg No. 3 (Beethoven). Assoclated Glee Clubs: Walter Giesking, planist: Ghadys Swarthout, soprano: London Philharmonie Or: chestra-Don Joan (strauss); seph Brigeti and the London Philharmonic Orchesta, Lotte Leh 4.30: Boc
Marih
5.0: Chil

Marmaret . Childres Seasion by Aunty Margatet. 58.40 : Service for for Youth Workers. 6.15: Close.

Chist, Kinesford. Rev, C. G. 3.30; Overture, Midsummer Night's Dream (Mendelssohn), Richard Tauber, tenor. Fritz Krelsler, vioilnlst: Lawrence Tibbett, baritone,

0: The
Bible Man-Rev. A. W 9.15: Gerard Hush, baritone-Catalogue Aria from Don Glovannl

- 9.21: ARTUR SCHNABEL and LONDON SYMPHONX ORFlat Major (Mozart)
2.45: Epiogue, presented by Rev.
R. J. Williams. 10.0: Close.


## 2GB

870 Kilocycles Hen Befin State Opera Orchestra. Benlamino Gigll, Tenor. , Debroy Somers' Band Hall.
8.15: Marmony Hall. Mirck Weber ind his Orchestra. Harold Willams, Baritone tra, Harold Wullams, Bartone, Soprano.
8.45: Hls Mafesty's Theatre Orchestra. The B.B.O, Wireless Chorus. 9.0: Keth Colinis, Planist. 9.15 : Whih Famous Artists.
2.30: Country Church of Hollyy wood. 9.45: Organ Reverles: News. 10.20: Music. Club. 10.15: 10.30 : Lhberal Oatholic Church of St. Alban's Service. 11,45: Questions and Answers, by Rev. L. W.
Burt, 12.0: Stealing Through the 2.20: Mr. O. P, Rinkin, of the Federation of Parents and citizens' Assoclations. 12.30: Mustc 12.50: Lanchion Sesston - Prarry Dearth and Noel Judd. 1.25 : New Mayfair Orchestra. Peter
Dawson; Bass-Bartone. The Dawson, Bass-Baritone. The Petite Musicale. 1:45: Highlights from Fanst (Coounod), by Unele Frank.

Musical Scrapbook.
230. RICHARD WANT, MA.
THEEMSHOLOGIST'S
NOTEBOOK. 2.45: Donald Novi,

Souvenirs of Song, 3.15 , Dra-
matic Presentition. $3.30:$ The
Iondon Palledium $\quad$ Orchentra,
Lily Pons, Soprano. New Lighi Symphony Orchestra.
45: Organ Treasures
0: Melody and Mirth with Harry
Dearth.
4.30: The Old Gardener-Talk.
doct Sir Thomat Beecham con-

- 5.0 : THE RADIO SUNDAY SCHOOL SINGING LED BY TIE ST. PHHLP'S, EAST-
WOOD. SUNDAY
SCHOOL choir. $6,0:$ Muale.
$+\quad 6.10$ LONDON Caling.
6.25: Muste.

Vewt: Colin Francis-Book ReM. Trouncer, 6.45: Misical Moments, featuring Orchestras
2.0: THE RT, HON. W. M. HUGHES, FTDERAL MINIS: TEA FOR HEALTH-"GENERAL HEALTH POLICY"TALK UNDER THE AUSPICES OF THE NATIONAL HEADTH AND MEDICAL RESEAHCH COUNCK. . $15:$ The Family Doctor. 7.30:
7.A5: THE MAGIO CARPET. Muasic. 8.30 : House of Dreams.
ineatre. Pinto Pete in Arizona.
9.15: TALK BX MR. A. M. POOLEX.
10.0. Arthur de Dioncert Master,

Astrologer 10.10: Musisong. 11.0; Close.

## 2UW

SYDNEY,
10 Kilocycle
Day Sessions as-Friday, except: 9.30 : Dog session- Greyhound Races 9.40: Resume of Greyhound Races. 9.45: Melody Melri. 10.30: The the Masters, 11.30: Health Harmonies 11.45; Melody Menn. Lelders in Phythm 12.15
12.0: Leiders in Rhythm, 12.15:

Tonic Tunes. 1.0: Celebrtues in
avalcade, FAmoUs concertosCONCERTO IN E MINOR FOR YODN AND ORCHES-
TRA MELDELSSOHN), SOLO VIOLINIST: JOSEPH SZIGETL LONDON PHILHARGETI
2.32:

## by fance Fairia

Pianist.
3.0: Stories of the Opera
3.30: Pur Tales from the TrallsMr. Samuel Biber. 4.0: Mastc
4.45: Feature Recordings. 5.0 :

Musio in Meditative Mood,
.30: The Destiny of the British Empire-A Costman. 5.45: Rhapsody in Blue. 6.0: Wght welght Music. 6.30: Theatrical Revue, 7.0: British Folk Music.
7.30: TTME MARCHES OVPRODUCED BY T. C. HICKING.
8.0: The Joy of Living. $8.15: \mathrm{A}$ 8.45: A GEORGE EDWARDS PRODUCTION-"THE LURE OF MEXICO.
9.15: A Musical Extravaganza
AA Sentimentalist in Musie 10.15: FOREIGN AFFAIRS J. M. PIENTICE.
10.30: Musie Lovers' Haif Hour. Everymere Here, There and Midnight Se

## 2SM

## Priday, SYDNEY,

1270 Kilocycles

## 11.0: HIGH MASS - sx.

 MARY'S BASIITCA.Sormon-st. Mary's Basflea.
12.15: "MELODIANA"-CoM. PERE, DOMINIC HARNETT. Fur Tales from the Trals4.0: CEEBBRITY RECIT
GEORE WOLLASTON. Ambelus.
Uncte Tom and Jom.
6.30 : Rev. J. Meany-The Law 7.0: REV. DR, RUMBIE, M.S.C.-QUESTION MOX.
Pather Thompson; $\mathrm{CB}=$ Fec. Fathe
ette "SUCH OF LIFE (Pt s)-PEN"-RADIO DRAMA
8.45: Manhattan Merry-Qo-Round.
9.0; "The singing Violln," featuring

Ethel Holden. MHE MARCH of TIME'-PRODUCED BY REG. HAWTHORVE.
9.45: The Romance of Ireland. 10.0: "The Dream Ship, Plloted
by John Dunae. 10.30 : Close. 2 KY

SYDNEY,
1020 Kilocycles Session. 8. 30: Music, $\quad$ 2.0: Rap
dio Rhythm.
9.30: Humor for the Menfoik, 10.0 : 10.30: At the Plano with the Harmony Cirl 1104 Carnival Capers. 11.15: Maorl Melodied Moll 11.45: Harry Fox and Johnnie MilMusic. 12.30: Silppint Atong John Harper. 1.30: Radio Ramblings. 2.30 : RadioIympia, Tales from the TrallsSamuel Biber, Heroes of Civilisation-Radio Kolinsky and Claney, Come4.30: THE FAMHY DOCTOR -Radio Play.
Happy Hour Unit. 5.30: Must81 Tastes. 6.0: Fchture HourLaura Lynton, Alan Shlrlaw, Leah Balley, Frank Whyte, Joannio Martell, Ron Lawler, Ron Gardiner, Benny Addy.
7.0: Happy Hour Unit. 7.30: Moods and Melodies.
8.15: THE CAYALCADE OF AVIATION-Radio Play with eky Players. 8.80: ARGU'S.. THE PRO. PHET.
8.45: Musleni Interlude.
8.0: Radio Theatre and John Harper:
15: Judge for Yourself-Radio Serial. 9.30: Musteal Comedy and Operettas.
10.0. Radio Theatre-Aviation Talk. Maur Unit 11.30: Close: Happy
2GZ
CENTRAL N.S.W., 990 Kilocycles
On the March. 9.15: British Masical Programme, interspersed with Sporting Talk and Resuits. 10.9. Tuntes we All Know, 10.30: Melody 110: Wather dems 1.15: The Goiden Hour of Maxic. 2.13: Programme Projects. 12.20: tusio.

### 12.20. SLIPPING ALONG.

1.30: Music for Bucrybody. 2.0: 215 Weldital wireles Neas. 3.0. Band Recital, 3.30 Pur er 4.0: Sylvan polioes. peo. GRAMME
Tea Time Varicty BRITISH EMPIRE" - TALK BX MR. A. G. EASTMAN. 6.15: Tunes of the Times. 6,75: Mr , and Mrs, Everybody. 2.0: Eymms of All Churches.
30: Oipsy Camptires. 7.45: Whirl of the Walts, 8.0: Evening Musi-
cal Frosramme. 8.15: Orchestral Oces. 8.30: Melodier of Renown. 8.45: The House of peter McGregor. 9.0: Carsoų Robison.

## - 9.15: CHARLIE CHAN.

9.30: Koshinski and Clancy, 9.40: Music. 9.45 : Boys of the old
Erigade. $10.0:$ News of the

2 HD
NEWCASTLE,
1140 Kilocycles
3.03 An Hour with the Modern. 3.30: Muste, News and Sporting 30: Wateh Tower Happiness Hour Cheerio Calls to the Slick. 10.0: becture- Judsm. Rambling Wish Lamber Classies. 12.30: Relay Latshter Classes. $212 \cdot 30$ : Relay
from 20 W -Trader's Tonic 3.0s Afternoon Musteale. 3.15: $3.30-\mathrm{Mr}$. Samuel Riber-M Pur Talls from the Tralls." 4.0: Cloes.

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KINGDOM TEXT COMPETITION.
6. $0: 15$ ecture-"Giving Testimony.
The Family Doctor.

### 7.30; MIRTH PARADE.

Health and Happiness
Concert of Celebrities. 8.0
8.30 A Concet of Celebrities, 8.30 :
Uncle Pete at the Plano, 9.15 :
True tife Tales.
2.30: In the Fireilght. 10.0: Music The Rock." 12.0: Close.
2WL WOLLONGONG 1430 Kilocycles 0: Overture. 7.8: Recorded 7.30: Vocal Varletfes, 7.45: Mus!7.30: Vocal Varieties, 2.45: Mus!-
cal Programme. 8.0: Musle for You. The Romance of Music Donald Novis, Tenor; Jan Rubini, Violinist; and Barton Browne,
Commentator. 8.45: The Origin of Superstitions. 9.0: Stealing Through the Olasstes
9.15: March of Time (produced by Red, Hawthorne), relayed from
28 M . 9.45 : Hymns of All Churches. 10.0: Close.

## 2NZ

INVERELL
11.0: Chimes. 1170 Kilocycles cheerio Session (Half-hour).
12.0 : Bits and Pieces. 1. 0 : Pinto Pete in Arizona.
2.0: Close, Evening Session. 6.0 :
5.0. Early Eve
Calls. 6.15 . Dinner Music. 6.30 : Calls. 6.15. Dinner Music. 6,30 :
Continuing Dinner Music. 7.0 : Chorat Selections.
7.30: Anything Goes. 8.15: Con9.0. The Romance of Musio-Don9.45: Sandman's Serenade. 10.0 :

2KO
NEWCASTLE.
1410 Kilocycles
9.0: The Qutet Hour, presented by 6.0 : Overture. 6.5 : Birthday Calls. $6.45:$ MRsic. King at the Piano. Rhythm"-T. 15: Carson Robison and hits Buckaroos. $7.45:$ Dreams: 8.0: Music. 8.15: THE 1937 SHELL
SHOW, RELAYED FROM COMMDY
BOURNE,
9.0: The Joy of Living. 9.15; The Lovers' Corner 10.0 . Evensonc Loverueted by Uncle Peter, 10,30: Close. GUNNEDAH,

## 2 MO

 1360 Kilocycles8.0: Uninterruptec Solt Music 8.45: Children's Muste, Re48: Releases. $9.20:$ Musical Potpourri. 0 Selected Music. sored Session: Selected Sporting 45: Interesting selected Musle. Agricultural Bureau Session. B.45: Worl Events of the Week.
9.0: Sclected Music. 9.45 ; Easy

Chair. 10.0: Close.

## 2CA

CANBERRA,
.0: Sunday Muste 8 . 5 . Nocyclos But the Best. 8.30; Spectal Music Quarter-hour. 9.0: Famous Or-Quarter-hour. is: March of Time. 9.45: Relaxation Muste, 10.0: 2 GN GOULBURN. 1390 Kilocycles 1 O: Divine Service from st. Third Sundays in month)
1.0: Service from Baptist Church isecond Sunday in pach month)
: Selected Music for Lovers of Good Musle (Fourth and Firth Sundays in month). 12.30: Close.
0 : Musical Selections. 8.0 : Romance and Melody, 8.15: Selec-
tions from Talkies and Ritz tions from
Screon News.
8.30. Musical Selections, $9.0:$ Nem Releases. 9.15 : March of Time.
9.55: Epilogue. 10.30 : Close.

## 2TM

TAMWORTH, 1300 Kilocycles
0: Selections from Musical Comedy 8, 30: Musical Presentation. 12.0:- Mdday Melodes. 12.30 : Relay mrom 2 KY Me 2.0: Afernoon Relections.
0 : Concert Programme, $5.0 ; \mathrm{In}$ dicentar 7.0:
7.15: The Family Doctor.

15: The Chalet Show of 1937Relay from 3AW.
15: March of Time-Relay from 28 m .
45: Viaticum. conducted by Ven. Archdeacon North-Ash. 10.0: 30 Mpintas a Web of Dreams. 11.0: Spin a
Close.

## 2KA

KATOOMBA
1160 Kilocycles Varlety Concert with Night Owls Band and Dick Mawson at the Piano. 12.0: Midday Musicale, 2.0:- Close, 6.0: Overture, 6.10: Moments of Melody, 6.30: Albert Sandler and
His Orchestra. 6.45: Muslca! His Orchestra, 6.45: Musica!
Comedy Memories. 7.0: Hall of Song. The Family Doctor.
7.30: Mendelasohn Music: 745, Operatic Gems. 8.0: Philadelphla Symphony Orchestra. 8.15: Nelson Eday Recital.
8.30: Everybody's Pavorties, 8.45 : Organ Memorles.
2.15: Time Marches On. 9.45 . A Quiet Corner Close. Meditation

ARMIDALE,
2AD
080 Kilocycles
7.0 p.m.: Opening Overture. 7.30: Divine Service 8.45 : Musical Feature 8.15: Cruest Speaker. 10.0: Close.

## 2GF

## GRAFTON

2.0 to 7.15: Joy of 1210 Kilocycles In a G1psy Camp. Fiving: Music. 8.0: Marsh's Merrymakers. 8.30 : 2GP Radlo Players, 9.0: Muste.

## 2LM

## LISMORE,

900 Kilocycles
Day Sessions as Friday, except: 1.0: Music for Everybody.
Melodiana. $3.0:$ Close.
7.0: Melodious Music. Doctor. $\quad 7.30$ Happy Hali Hour, Hear.
8.0: Songs of Yesteryear
9.0: Tantalistng Tuncs. 9.45 : News. 9.50 :- Evensong. 10.0 : Close.

## 2RG

GRIFFITH,
6.0: Children's Sesslon, 6.30: Mustc. Lovers' Pot-pourri, $7.0:$ Songs at
the Piano, by Cyril James. 7.15 : Snapshots of Comedy. 7,30: Local Sporting Results. 7.45 : Pianotorte Recital, 7.15: Comedy Capers. 9.30 : ${ }^{\text {One }}$ Hour Danco
Programme. Programme. $10.30:$ Good-nignt
Song.

## 2AY

ALBURY,
1480 Kilocycles Yourself Sesaton 2.0 . 12.0 : Please 7.0: Classical Interlude, 7.30 Gramophone Programme 8.0 This Happened in Australia. 9.0 : In Parade 10.30 . Close $P$, and

## 2 PN

DENILIQUIN
10.0: 2QN's sunday Supplement.
12.0; Showers of England. 12.30 Comedy Request Session: 12.45 : Choose Your Own Number Ses3.0: Masters of Mruste Sesston Memorlest Artist. 4.30: Ballad 6.0: Children's Session.
7.0: Church Service from Methodist Church. 8.0: Tenor Session

## ON THE SHORT WAVES

$6.0 \mathrm{a} . \mathrm{m}$. (GSB 31.5 GSD 25.5 , GSI 19.6 ) Song Recital by Franklyn Kelsey (Bass), Captain Harry Morgan, A Smugeler:
Song Four Joly Saflormen. Coming Home. 6.15: A Polo Song. Pour Jolly Sallorn
Programme 6.45 : Close.
$6.0 \mathrm{~B} . \mathrm{m}$. (DJD 25.4, DJO 49.8. DJL 19.8): A Jolly Dance Programme. 7.0: News in Germian and Engllsh, 7.20: Close. 7.0 am . (GSO 19.7 , GSB 31.5. GSG 16.8, GSF 19.8): Newsletter, 7.20: An Ive of Man Miscellany. The B.B.O, Revue Chorus and the B.B.O. Empire Orchestra, 8.5; Dance Musio, 8.305 "Portland Stone the Faca of London"-Talk by P, B, Har-
greaves. 8.40: Programme of Melodies and Memories, 9.45 cloave:
7.50 a
$50 \mathrm{a.m}$. (DJN 31.4, DJB 19.7, DJQ 19.6) : German Folk Songs. 8.0: Talk on "A Ship in Construction,
Song Recital. 8.45: News in German. 9.0 . Special Request Concert. 10.15: Sound Pictures. 10.30: Songs and Verse of Flowers and Sun. GSP 19.6, GSD 25.5, GSB 31.5): Lon-
.20 am . GSO 19.7, GSP don Log." 9.30: "Of All the Days"-A Revue of Broadcasting. 10.0: Haydn Fawcett's Orchestra-San Toy, Fatry Ring Dance. Gold and Silver. Songs of Otid Londom,
Spring Song. Buy My Strawberties. Nightingate's of tincoln's Inn. The Coon Among the Chickens, Trish Pot-pourri coln's Inn. The 10.40 : The B.B. Presents the ABC-Letter "J." 11.10 : News. 11 30: Close
1.15 a.m. (DJN 31.4, DJB 19.7. DJQ 19.6): News. In Knghan on Photography, Noon: News in German. 12.15: Dance Music. 1.30: News in Engissh. Noon (GSP 19.8, GSI 19.6, GSD
d Hote" A Radio Entertatnment. The BBC B. . Revue Chorus and the B.B.C, Empire Orchestra, 7.0. Guitar Selections. 1.10: "John Londoner at Home." 1.40: News, 2.0: Close. $1.30 \mathrm{pm} . \mathrm{m}$. (TPA4 25.6 ): News in Figlish from Paris. 1.45: Recorded Music. 2.45 : News in German, 3.0: Close.
$.30 \mathrm{p} . \mathrm{m}$. (GSB 31.5, GSD 25:5, GSO 19.7): Big Ben. "To Be Pubished shortly"-programme showing how a book is produced. 3.0: Musloal Interlude, 3.5: Beils and an Empire
 Gordon. 4.45: Close.
$3.0 \mathrm{p} . \mathrm{m}$ (2ME 31.28 . Kookaburra Recording, Announcements. 3.10 p.m. DJN 31.4, DJB 19.7 . DJE 16.8 : Light Mruste io $10 \mathrm{p.m}$. . DJN 31.4, DJB 19.7 , DJE
Sunday.
$4.0:$ News in German. 4.15 : More Sunday Muste. 4.55: Greetings to Listeners. 5.0: News in English. 5.15: Surprise Hou
6.30 p.m. (3LR 31.34): A Plano Miscellany; 6.40: Travel Talk Man's Musie 8 so: 8.0: This Week's Story 'It Happened Then-1820., 10.15 : Epilogue. 10.30 ; Ciose. 6.30 pmappents . DJB 19.74 ): Popular Orchestral Concert, 7.30: News 8. In German 7.45: Nordic Songs and Dances. 8.15; Close. Ben. The BB.C, Emplre Orchestra, with MAE CRAVEN (AUSTRALIAN SOPRANO), 9.45: The Castle of EdinburghHistorical Scenes will be presented from the Ancientice 1rom Studio. 11.15 , Violoncello Recital by Hildegard Arnold 11,30: Weekly Newsletter, 11.55 : close.
$9.0 \mathrm{p} . \mathrm{m}$. (RNE 25.0 ) : English Session. Talks on Heroes of the Arctic Exploration. Anniversary of Amundsen's Fught
10.0 pm . 9 MM 49.9) , Conceri of Rocorded Music from the
Kanmble at sea between Mrelbourne and Sydney, Relayea to 4 WK . Warwiek.
FOR OTHER MISCELTANEOUS STATION SOHEDULES SEE FRIDAY

Musical Interlude, 2.45: Medt- 2.15: Bhort Storles by Australlan
Mation Mustc. Epilogue. 10.0: Authors-Sabmarine Tactics, by Close, Mr , Hermon Gill.
2 BH BROKEN HILL, ${ }^{2.35:} \mathbf{3 . 1 0}$ Music. Westey Church Central 1060 Kilocycles Mission-Pleasant Sunday Afternoon Service. 4.30: Close, Where 6.0: In Quires and Places Where
They Sing. (Sce 27ar
6.30: Random Pages, (See 2FO)

Drazon Awakes." Miss Coninese Dragon Awakes." Miss Constance Duncan,
6.55: Interlude.
7.0: Symphony Hour (See 2FC.) Cummells D Dlary," by Willian Tainsh.
8.15: Everyman's Music. (Sec 2FC.) so: International Affatrs-Dr. G. 10: It Happened then-1830. (See 0.15: Epllogue, 10.30: Close.

## 3AR <br> MELBOURNE, 630 Kilocycles

9.0: Police Messages.
.5: National News, including stering Rates of Foregin Exchange. Sporting.
25: Special Session for the Man
on the Land, including Revic\% on the Land, Including Revicw
of the Wrek's Markets, Track of the Week's Mrrkets, Track
Bonkings. Items of Interest.
 Peter's Churcharist Eastern Hill.
Preacher: Rev, Father Maynard. Preacher: Rev, Father Maynard. $12.35: \quad$ Shipping Noon Weather
Forecast end Air Route Forecast.
$9.0:$ Music.
10.55: Divms Service from Presbyterian Church Toorak Sermon, Rey, Dr, John Mackenzie, asM.A. B.D. Organist, Mr. J. W. Hudion. 12.15: Close.
1.30: Music.
10.30: Moments of Melody, 10. 5 :
News:
11.30: Old-time Melodies. 12.0 Muslo by Famous Comgious Service from the studio. Organ Melodites 75: Poets Oorner, 8.0: Melodies. 8.80: Fifteen Minutes of Brightness. 8.45: Navin Moters Muslo-Edward Macdowell and Ceclle Chaminade.
9.30 : Slumber Muste, 10.0: Close.

## 2BS

BATHURST,
1500 Kilocycles
6.25: Open, 6.30: Speclally Selected N. 30. Week- : suing Time Merume, 8.0 : 2 GS Foreign Commentator. ody as You Like It, 10.0: Bells and close.
3L- MELBOURNE,
770 Kilocycles

12 45: A Programme by Phil Cohen Arnoid Coirnan at the Crand Drgan: "Mooplight and Roses." 1.30: A Half-hour Talk
2.0: Music. 2.30: Ctose.
4.0: Leopold Stokowski and the Phitadelphia Orthestra-The FireBird Suite (Stravinsky).
4 30: A Recital by Essie Ackland. Contralto. 4.50: Music.
5.0: Sonata Recital by Jascha SplFakivakovalky (Violin) pivakovsky (Violn). Sonata in G Major, Op. 30, No. 3. for Piano and Violin
(Ludwta van Beethoven) 5.30: I Look at Life-Mr, Alan e.o: The Optimists' Ohorus Singers, led by Laurence Warner, in Chadren's Songs and Choruses.
6.25: The Week's Good Cause. 6.36:
Miusic. 8.40 : Interstate Shipping. Mustc, 8.40 : Interstate Shipping. 6.45: Music.
.0: Divine Service from Indapendent Church, Colins Street, Ser-
mon: Profeasor Boyce Gibson, of mon: Profeasor Boyce Melbourne. Organist: Mr. Frededick Nott,
8.30: Dramatle Recital by Sonta I Would Be as Thou Art, by Sonia Revid; Insomnia, by The Tyutchev," by Feodor Dssucvevsk
8.45: Browning. Mummery (Tenor),
assisted by Phil Cohen (Vio: inlolin: Melody in $F$ (Rubin-stein-Auer), Tenor: Prayer Perfect (Speaks); Had You But
Known (Dena) (with Violin Known (Denza) Vollin: Walthers Prelshed (Wagner - Wilhelmy). Tenor: At the Midhour of Night (Huzhes): Passing By (Purceil) I Know of Two Bright Eyes Clutsam).
9.20: Harry Bloom's Tango Band in Happy Memories, 2.50: News, Weather. 10.0: Close
$2 \mathrm{CO} \quad \begin{array}{r}\text { COROWA, } \\ 670 \text { Kilocycles }\end{array}$
90: See 3AR, 11.0: See 3LO.
12. 15 : Sce 3 AR
$20 ;$ 12.15: See 3AR. 2.0: Close. See 310. 11.30: Close.

## 4QG

BRISBANE 20: Chimes. Weather 800 Kilocycles News Bulletin. 930 : National man's Session. 9.50; Interlude10.0: Carmen. Opera in Four Acts, by Georges Bizet. Act 3 and 4 . 11.0: Morning Service, from St. Andrews Presbyterian Church, Creck Street.
12.30: Spectally Selected Music. 2.0: 3.0: Musle
5.0: Recital by Jascha Splvakovsky (plano), and Tossy Spivakovsky (violin), Sonata in CF Major, Op. 30. No. 3. for piano and violin Beet5.30 : Councll of Churches Session for Children
6.0. In Quires and Places Where They Sing (See 2FC)
6.30: Random Pages (See 2FC).
6.40: National Talk by Miss Constance Duncan-The Chinese Dragon Awakes.
5.0: The A.B.C. (Melbourne) Symphony Orehestra, conducted by Joseph Post (See 2FO)
7.30: Benedletion from St. Stephen's Roman Catholle Cathedral, Brisbane.
8.40: Weather, A.B.C. Nows.
8.50: Talk by Dr. G. L. Wood-International Affatrs,
9.10: It Happened Then- $\mathbf{1 8 2 0}$ (Sce 10.15: Epllogue. 10.30: Close.

5CL
ADELAIDE, 730 Kilocycles
Main Features:
11.0: Morning Divine Service, from Pirle-street Methodist Church. Preacher: Rev, W, A. Dunn, Organlst: Mr. Harold Parsons, Mus. Bac.
1.0: This Week's Good Cause-Today's World Problems discussed With a representative of the Salvation Army.
3.1: Pleasant Sunday Afternoon Service from Maughan Church Chairman, Rev. S. Forsyth.
5.15: The Children's Session.
5.30: In Quires and Places where they Eing. (See 2FO).
6.0: Random Pages, a Plano Miscellany by Mabel Muatz. (See 2 FC ).
6.10: Natlonal Talk, "The Chinese

Dragon Awakes"-Miss Constant Duncan.
Alternative Programmes:
6.30: 5CL-Symphony Hour. (See $2 \mathrm{FC})$.
7.30: The Week's Story, Robin Cummell's Diary, by Mr. Willam Tainsh.
7.45: Everyman's Musle. (See 2FC).
6.30: 50 K -Omar's Garden.

Re-
corded Programmo
7.0: Evening Divine Service, from Brougham Place Congregationa! Church. Preacher. Rev. L. O. Parkin. Organist: Mr . Arthur Williamson. 8.15: Interlude ( x , ),
8.20: 5 CL and 5 CK -International Affairs, by Dr, G. L. Wood.
8.40: It Happened Then-1830. (Sce 2FC). Overture, A Calm Sea and a Prosperous Voyage (Mendelssohn).
10.0; News, Weather Bulletin and Aviation.
10.5: Epllogue Heroes' CornerErnest Shackleton, by Mr. Basil Harford. 10.30: Close.
7 HO
HOBART,
860 Kilocycles
7.0: Special Sunday Evening Concert of selected Recordings, 8.15 : The Shell Show of $1937,9.0: \mathrm{Mr}$.
$\mathrm{J} . \mathrm{J}$ McDonald will speak, 9.15 : Musical Programme.
9.25: Mr. Jas. Guthrie, B.So., ElecQ.25: Arr. Jampagn Speaker. 9.4 : Musle, 10.0: Mercury News, 10.25: Epilogue. 10.30: News.

## ANOTHER

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# M 

2FC $\begin{gathered}\text { SYDNEY, } \\ \text { sio Kilocycles }\end{gathered}$
Day Sessions as Friday, except:
10.15: A Racing Talk by the A.B.C. Racing Commentator.
10.30: MARY TENISON-WOODS WIII sprak on WOMEN'S PART IN FAMOUS CRIMES - The Duchess of Kingston.
10.45: BARBARA WALTER wil! speak on ADVENTURES ON THE HIGHWAYS OF ENGLAND.
12.0: PRIMARY HEALTH TALKS, Sugar and Salt-do we really need them?
12. 15 : MUSIC.

Mr. Livingstone C, Mote, M.A. State Conservatorium of Music, will speak on Melody MakingPart IV.
12.45: AT HOME AND ABROAD.

A News Commentary by the WATCHMAN
45: Wednesday's Acceptances by the A.B.O. Racing Commentator.
3.0: SECONDARY-ENGLISH,

Mrs. Margaret Pegum, B.A, formerly Sydney Giris High School,
will speak on Malory's Morte Will speak on Malory's Morte Cennyson's Gareth and Lynette. .15: HISTORY
Miss Ollve Moore, B.A., Fortstrect Girls High School, wil speak on Russell and Reform.
An Original Radlo Serial of the Written by EDMUND BAROLAY. SEVENTH EPISODE:
WITH
Captain Garvie, returning to Captain Garvie, the mystery of Walazanee, plays a deep game, and is again assisted by his mysterious and 0: Musical Items (r.)
5. 30 YOUNG PEOPLE'S SEBSION. THE VALLEY OF ADVENTURE. A Story of the Far North of Aus. tralla, by E. V. Timms. 5.40: A Story, Uncle Ted and Sandy 6.0: Dinner Music (r.) CAFE NOIR.
7. $\mathbf{7 0}$ FROM THE CAFE N isce Panel.)
$8: 0: A S$ YE SOW, (See Panel.) 8.40: THE NEWS BEHIND THE NEWS, by THE WATCHMAN.
9.0 : DANCE AGAIN. (See Panel.)
9.25 . FMMA AND 'ERBERT, (See 9.25 : EMMA AND 'ERBERT. (See Panel.)
9.35 METODY PARADE, (See Panel.) THE BALLAD-MONGERS. (See Panel.)
11 20: Radionations Geneva-Weckly 11.20: Radionations Geneva-Weckly, News Bulletin of the Leag
Nations Shortwave Station,
11.25: Iate Official Weather Fore11.25: late Latte News. 11.30: Close.

## SYDNEY,

740 Kilocyclos
Day Sessions as Friday, except:
1.0: TRADITIONS OF THE STAGE WORLD:
Presented by ARTHUR GREEN3.0: JUNE JAMIESON Planist, and
GRACE QUINE, Contralto. PIANIST-
Selections From The Love Parade Tholl Dance (Schertzinger) The Doll Dance Schertzinger)
$\ldots$ (Arndt) CONTRALTO-
When My Dream Boat Comes Home on the "Littie (Franklin) The Girl on the Little Blue Plate

## PIANIST-

(Alter)
Originola
(Kahler) I Cover the Waterfront (Green) in the suiddie of a Kiss (Coslow) Your Eyes Have Told Me So There's Something in the Air 3.30: The Cantrell Bros: Dance

## 2FC 7.40

FROM THE CAFE NOIR
2FC 8.0
EVERY MONDAY NIGHT AT EIGHT O'CLOCK

## "A S YE SOW"

An Australian Saga
Written for Radio by EDMUND BARCLAY
Incidental music, specially arranged by HOWARD CARR
TWENTY-FIFTH EPISODE:

## "THE LAST OF THE OLD"

Dennis Teal might be looked upon as the last of oldtime Syaney. In this episode, one of the most poignant in the whole serial, he finds himself, at hast, and Jeanette realises, too late, just exachly what manner of man her dearly beloved husband was. Be not decelved, says the prophet, that alio shall he reap," CHARACTERS:
DENNIS TEAL of Sydney.
JEANETTE, his Whe.
PIERCE OF BROADACRES.
GILBERT III, her Son.
HENRY PARKES
production: LAWRENOE H. CECIL
3.40. NATIONAL PROGRAMME FROM WE SHE THE
NEWE BEHIND THE NEWB, by THE WATCHMAN.

2FC 9.0
"DANCE AGAIN"
With AL. HAMMEIT AND THE NATIONAL DANCE ORCHESTRA

2FC 9.25
"ASPOT OF FUN"
With "EMMA and 'ERBERT"
2FC 9.35
MELODY PARADE
Comody ond Rhythm, with 1 L
AL HAMMETT AND THE NATIONAL DANCE ORCHESTRA
And Assisting Artists. Production : PAUL DALY 2FC 10.0

## THE BALLAD-MONGERS Prosent <br> THE GLORY OF THE SEA

With CARL bartiing at the Piono. Frederic earle of the Electric Organ
COLIN CRANE, Boritone. HINEMOA ROSIEUR, Soprano. and JAMES GRAND
4.0: Antontors dremmas. Presented by
CHARLES ZOLI and
MARSHALL CROSBY
4.30: CHAT OVER THE TEACUPS
5.30: BY NOELLE BRENNAN.
5.30: Musical Items (r.),
5.50: Girl Cuices' Session-Rangers
5.50: Girl Guldes' Session-Rangers
6.0: A French Lesson-Conducted

O: A French Leson-Conducted
by Dr. L. D. Woodward.
6.15: Stock Exchange Report,

Weather Report, General Mar-
6.40: A Summary of the Ram
6.40: A Summary of the Ram
6.45 : Militia Session.
6.45 : Militinession. Sorting Session-Results and Comments.
0: NATIONAL TALK
LABOR MOVEMENTS ABROAD
The Popular Front in France.
MR HERBERT BURTON.
7.20: NATIONAL NEWS BULLETIN
7.30: Local News.
8.0: PHYLLIS MacDONALD, Vioiin, and FRANK HUTOHENS (See Panel.)
8.30: MUSICAL GLANTS OF YES. TERYEAR (Sce Panel.)
9.0: OUR FILM REVIEW-
9.20: MODERN AND CONTEM-

PORARY COMPOSERS.
(See Panel)
9.45: Latest Releases
10.25: Late News from the sun." 10.29; Weather Information.
10.30: Close

NEWCASTLE, 1230 Kilocycles 6.30 to $9.30:$ Relayed from 2 BI .
9.30 to 11.0 : Relayed from 2 F .
11.0 to 11.5: FROM 2 NC NEWCASTLE STUD:O-Chat Over the Teacups, by Cella Starfleld. 11.5 to 11 15: News Service by Colurtesy of the New castle " M Morning Herald."
11.15 to 11.30 : Relayed from 2FC
12.0 to 2.0 : Relaye 3.0 to 4.0 : Relayed from $2 F O$. 5.0 to 11.30 : Relayed from 2 FO .

2NR
NORTHERN RIVERS,
700 Kilocycles
6.30 to $9.30:$ Relayed from 2BL, 9.30 to 11.30: Relayed from 2FO, 12.0 to 1.25 : Relayed from 2 FC ,
1.25 to 1.35 : Local News from the 1.25 to 1.35: Exation Examiner." Nom 1.35 to 2.0 : Relnyed from 2 FC . 3.0 to 4.0 : Relayed from 2FC.
5.0 to 6.0 : Relayed from 2 TF. 6.0 to 7.35 : Relayed from 2 BL . .35 to 11.30: Relayed from 2FC.
2CR

## CENTRAL REGIONAL.

550 Kilocycles
 9.30 to 11.30 : Relayed from 2 FC 1.25 to $1.35:$ RROM 2CR STUDIO News Service by courtesy of the "Orange Leader" 30 to $t .0$ : Relayed from 2 PC. 5.0 to 6.0 Relayed from 2FC,
6.0 to 8.0 : Relayed from 2 BL .
8.0 to 11.30 : Relayed from 2 FC .

2UE
SYDNEY,
950 Kilocycles
Day Sesstons as Friday, except: 8.30: Randwick Track Highilights. 10.45: Forecasts and Features-Mary
2.30: Poultry-Talk by Mr . C .

Honeyfield.
4.15: STUDIO PARTY.

A Musical Cocktail. 6.0: Dinner Music.
6.10: Acceptances for Victorla Park. 6.20; Rhythm of To-day. 6.30: Dinner Music,
4. 7.0: THE 13 WINDOW OF THE JADE PAGODA.
2.15: Orcheatras of All Nations.

30: News Service. 7.35: Music we emember
7.45: Synchromaties. $\quad 7.55$ : The Singing Troubadour, 8.0: From our Standard Radio Stbrary, 8.15: Celebrity Recttal,
\& 8 TIIE BE THE HACCANEERS-FRANK THE BUCCANEER
8.45: The Bijor Plano Eisteddfod. Note: During the evening Greyhound resuits, from wollongong. 9.0: The Randail Pamily, 9.15: Musical Popularities.
 COMMENTATOR.
9.45: Music,

* 9.50: GREAT RACES OF THE PAST, presented by ERIC ASHTON.
10.0: Rhythm Kings-Tommy Dorsey. 10.15: News Service. 10.20: Out of the Band Box
- 10,30: THE DANCE HOUR. 11.0: Summary of the Greyhound The Dance Hour, 11.30 : Close.
2 CH
SYDNEY,
190 Kilocycles
Day Seasions as Friday, excent: 10.2: Morning Devotion-Rev, B. Deane.
11.30: Our Legally Qralified Medical Practictioner will give a 15: The Priendiy Tea Party, hostevied by Margarget Herd. hostEssed Chyduren's Session by the Falry Godmother 5.30: The Hello Man's Children's Sesston. 6.0; Dad and the Girls. 6.15: Dinner Musie.
Bo: Knight Barnett at the Burwood Cricma Organ, 6.45: Magic Carpet Book. Page 6: Japan.
8.50: Harmony Gir) 7.0: The InLaws. 2,15 R Raythm Revelry.
7.35: Sally Paige at the Piano.
T.4 5 : THE CHOCOLATE MN-
STREIS STROTIIER, LES WARTON, and GEORGE MNNINGS. Produced by Bob sirother. EVERYBODY, featuring EDWARD HOWELE and THERESE DESMOND.
8.12: Music. $8.15:$ Stars of the Alr,
8.30- Francols 8tempinaki, violinist 8.30. Francols 8 tempinski, Violinist 9.0: Specral Programme.

Highilights from the Show, 9.30 : 9.45: "In the Orimn Light." 10.0) 10.50: Musto, 11.0: Close.

## 2GB

SYDNEY, 870 Kilocycles Day Sessions as Priday, exeept: Astrologer. Luncheon Sesslon, conducted by Jack Lumsdaine.
$3.0: \mathrm{Mr}, \mathrm{R}, \mathrm{E}$ Bennett "Book Re-
views." "Younger Sons" (DrakeBrockman
4.15: Women to Woman-Coodie Reere. 4.30: Miss Saville's Sej-
4.45: Auntle Goodie-Songs to the 5.02 Cuhdren's Session, conducted by Uncle Ceorge. 5.35 Chindren's Erizy Kollege
Contimued.
5. Children's Bession
 6.0: Terry and Ted U.I5: Twenty by Jules Verne. 6.30; Dinner Muslo

Productlon and Claw-A B.S.A Production. 6.55 : Orchestras and - 7.30 : HIGH FREQUENCY-A B.S.A. PRODUCTION.
8.0. Sonps 7.50 : Night and Day. 8.30: AND WILLIAM.

Melod Hotase of Dreams-Drenm Melodies-A B.S.A. Production8.45: Spectat Sessiony,
lind's Song and Story. $9.15 ;$ 9.20: Charm of the Orlent, featuring Reg, Morgan and Brenda

H 9.f5: A PAIR OF JACKS-A 10.0: 2CB News Review, 10.15: 10.30: Dancing to Rhyth
11.0: Slumber Music. 11.25: Newa. 11.:30: Close.

2UW
SYDNEY,
1110 Kilocycles
Day sesslons as Friday except: 9.30: George Edwards in "The 10.30: Talk on Numerology-Mme. 11.0: "Katy and John"-HMde Morse and Clifford Arnold. .30: Acceptances for Victoria Park. Dencriptlons of Waterloo Cup. Angles.
4.15: Melody Girl
5.15: Chlldren's Session, 5.45: Nurery Rhyphes. 5.55: Talk of the 6.6: George Edwardo-"David and Dawn under the Southern Cross,
6.15: Dinner Music 6.30: Tea Time Topios. 6.35: Dinner Musio conA $7.0:$ DEOD AND DAVE-A DUOTION, $A R E T S$ AND MRS. IGGS,
7.30: Iate Dinner Masic, 8.0: Mag-
nificent Heritage 8.15: Thentre 8.30: Gecorte Edwards - and Nell Stirling in The Story of PoccaTontas, and Marek Weber's Or9.0: Motorists: Service Buread- S . British Dance Bands.
0,30 DE S CR IPTION OF 9.80: DESORIPTION OF
WRESTLING MATCH FROMI FUSIFCUITERS BAY STA.
DIEM, BY CYRII. DIEM, BY CYRLL ANGLES.
10.30: Featuring Amerlcan Dance Bands 11.0: Musle and Songday,
2SM
SYDNEY,
1270 Kilocycles Day Eesslons as Priday, except: 2.30: The Pictorlal of the Air"Reading. Tom and His Gang. 6.0: Angelas.

1: Dinner Session-Dominte Mar-
6.as, "SIGNS OF HLNESS IN YOUR DOG," BY "OUR
VETERINARY SURGEON:"
6.45: Mustc.

Stortes of Modern
(eroes," presented by Reg. Haw. thorne: $7.0:$ Music 7.20 : Goif Talk, by iou Kely.
Taik, by Lou Kelly. 30 Publicist-Austian Culture - P. R. Steptiensen, 7.50: Fred Wetber-My Prano and Me:" Claim for Justice"-Talk by the Catholic Taxpayers' Assoctation. 8.15: The Joy of Liv-
ing. $8.30:$
The Grocer and Madame.
9.: "Mars op to winh Hill obcowndis AND ALL STAR CAST,
TNDER DIRFCTION OF JOHN DENNE.
9.30: The Hit Parade Sweopstaken. 10.0: Ten O'clock Musteale. 10.25 When You Come to the End of
the Day-Paul Oliver. 10.30 :

## 2KY

SYDNEY, 1020 Kilocycles Day Sessions as Friday, except: 1.0: Epecial Argus Brondcast. 1.30: Acceptances-Ken Howard. 2.0; Home Sesslon-Esme Williams. Knilting Competition.
4.25: Melody Seaslon-John Harper. 5.15: Alf of the Alphabet. Ohisdren's Session and Competition.
5.30: Dinner Divertissements. 6.30 5.30: Dinner Divertissements. $6.30:$
Ginmeor Fntertainment. Dinmer Entertainment, Goodo and Uncle Bert. 6.37: Spot of
Humor. 6.45: Radto Snapshots. Humor. 6.45: Radto Snapshots. 7.0: Rufe Naylor.
7.15: Labor News Commentary.
7.25: Sports Resume Andy. Fana
7.25: Sports Resume-Andy Fanaan. 7.30 : Music.
8.0: CURRENT AFFATR' IN POHTICAL AND INDUS TRIAL, WORLD.-J, S. GARDEN.
8.25: The Globe Rotunda presents Rhythmitis, 8.30; Say it with Muste.
\& 8.45: THE STREET CORNER CLUF-GENTLEMEN, YOUR ATTENTION
9.15: TALK ON TIIE GAR-DEN-G. Lh, GELLAYLY.
9.30: Weature, $10.0:$ Radio Rhythm,
1030 : Happy Hour-Gerry Hard. 10.30: Happy Hour- Gerry Hardman. 11.0: Your Favorite, 11.15
Varlety Musle; 12.0 : Close,
$2 G Z$

## CENTRAL N.S.W.

 990 Kilocyclos Day Sesslons as Friday, except: 6.50: Producers, Service SessionFralt Vegetables, ote, 1.5: Homecraft, 11,20: Health and Beauty, 11.35: Correspond ence. 11.45 : Child Psychology, 3.30: Australis In Prose And 4.10: Tapestries of Tune, 4.25: Musle of the Waters. 4.40: Qulet Time: Tiny Tots' Session. 5:0; Chlldren's Session. 6.0: Dinner Music. 15: The Grocer and Madam.
## $6.45:$ DAD AND DAVE.

7.0: Racing Finals-Talk. $\quad 7.157$ Weather, 7.24 : Produce. Saies, 7.45: Music.
50: Ieave it to Leslie. 8.0: Evening Musical Programme. B.15: Duntop Presents.
8.30: A GIRL, TWO BOYS, Masie. 9.0 : Ballads We Love. 9.15: CHARLIE CHAN.
9.30: Camp Fire Cameos, 9.45:
Singing Strings. 10.0: The Fun Makers 10,15 : Music in Repose. 10.30: Olose.

2BL 8.0
PHYLLIS MacDONALD, Violin, and FRANK HUTCHENS, Piano
Sonate tor violih and piano .. .. .. .. (Dohmanyl) viouns

 Hughes)

## 2BL 8.30 <br> PUT THE CLOCK BACK

Continuation of the Sories of Roro Rocordings presonted by BEN SULLIVAN and GEORGE JOHNSTON

 setma kurz- Der dogi im walde,"

2BL 9.0

## OUR FILM REVIEW

By E. J. FRANCIS
2BL 9.20
MODERN AND CONTEMPORARY COMPOSERS
Airanged by ROY AGNEW Quintet for Clarinet and strings (The Two Last Movements) (Arthur Bliss) Adagto. Allegro Energico, STRING QUARTET, with $E$. sour songs to poems, by Li-Po (For Voice and Piano),
by Constant Lambert. by Constant Lambert. TURNBULL, Soprano.

2HD
NEWCASTLE, 1140 Kilocycles
Day Sessions as Friday, except: 11.30: Mothercraft Besslon. 12.0 noon: The Wireless Wags. 12:39:
3.30: Afternoon Muslcale.
4.30:
5.15: Children's Seaslon. 5.35: Joy Club Sunahine Shlp. 5.45: Dinner Music. 6.15: Thoughifut Interlude

Joyster Noten and Newn.
6.45: "TOOTII AND CLAW:"
7.20: Mrs, Arrls and Mrs. 'Irgs.
$7.80:$ Edmund Brecze in Memorles. 7.45: Clem and Tina. 8.0: Magnificent Heritage. 8.15; Melodies. 830 : Spot of Humor, 10.9 : News. ors.
2WL
WOLLONGONG, 1430 Kilocycles
Morning Sesslons as Friday.
6.30: Overture, 6.45: Boy Scouts And Wolt Cubs Sesstory, 7.0: A Spot of Humor, 7.8; Recorded
Musfe, 7 (30; The Air Mail MysMusic, 7 30: The Al: Mail Mys-
tery.
7,45 : Muste 8.0: Stuart Hambiln
binies 45 Himbin and his Hill Musical Programme Talk. 8.52: of the Screen. 9.30:- Snappy of the screen, 9.30 : Snappy
Syncopation, 9.45 : Everybody's Favorites, Violin. 10.30: Recorded Maste. 10.45: Olose.

Note:-Results of the Wollongong Greyhound Races between 8.0 and 10.30 , and complete resume at appros. 10.30.

## 2NZ

INVERELL
Morning Session as. Friday. Chimes, 4.0: Talkle Toplos
5.0: FREDDO THE FROG (SERTAL) FEATURING ZNZ PLAYERS.
5.A5: JACK STRONG'S GOLD RERE (SERIAL) FEATURING KEN, SPARKES.
6.0: Calls. 6.15: Dinnier Musie 7.30: 2 NZ News Revjew. 7.45 : A Varlety Programme. 8.0: Radia Rhythm,
8.30: Torchbearers of History.
$8.45:$ Bandsmen on Parade. 9.0 :

Killamey Blarney
2.15: A Claim for Justioe

TSCHAKKOWSKX M THE 9.45: Qusse NOISETTE SUITE. 0: Close.

NEWCASTLE, 1410 Kilocycles
Day Sesulons as Friday, except:
8.30: Kiddes' Session and Bright 10.30 Music. Radio Kitchen. 10.45 : Our Affalrs. 12.30: Intermediate Ses-
2.0: Radto Pletorial of the Air.
3.0: Radio Matinee, 4.0; Olose., Ms: Birthday Calis, $6.0 ;$ Dinher
Misic. $6.45 ;$ Tottering Van Teeters. 7.0: Dad and Dave, 7.15: Music.
8.0: Komedy Kingdom

15: Watanabe and William.
8.45: A Spot of Humor. Chan 9.0 : Musle.
,45: Gardening Talk-Telopea,
10.0: Waring's Pennaylvanans.

2 MO
GUNNEDAH, 1360 Kilocycles
Day Sessions as Friday.
Story 6hils Mrusic, 6.3: Serial Cheerios $6.15:$ Birthday Calls and News and Bright Musio. 7.0 : Comedy $\quad$ Sketch
Musid.
7.30: and Stock Sales. 7.35 : Musports Happy arranged Programme. 9.35: Holly-

## 2CA

## CANBERRA,

1050 Kilocycles
12.30: Luncheon Muslc. 12.45 : Roroscope Reading, $12,50, \mathrm{M}$ Misl. 5.30: Children's Session, 5.45: Adventures of Angeline, Ben, and 6.20: Children's Birthday Cheertos 6.35: Dinner Music. 7.0: Vocal Half-hour: $\quad 7.25$ : To-morrow's V. 30: Pinto Pete and his Ranch Boys, 7.45: Famous Dance Bands. 8.0: Sesslon Mainly for Wonmen. 9.0: Famous Orchestras. 9.15 :

#  RECEIVERS 

THE MOST OUTSTANDING RADIO RECEIVERS OF 1937
This Magnascopic Dial is
incorporated in all the new Ferranti All-Wave Superhets. It makes short-wave tuning as simple and easy as tuning on the Medium or Long Waves.

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RECEPTION FROM THE ENDS OF THE EARTH

WORLD LISTENING ON FERRANTI Console Floor Model, and the Radiogram Combination.

Sole Agents :

MONDAY
Instrumental Quarter-hour, 9.30: Favorites, ODd and Now, 9.45 :
Retaxation Music. 10,0 : Station Announcements and Close.

## 2 GN

GOULBURN, 1390 Kilocycles 7.0: Bright and Popular Musie. Mruse 9.0: Close.
12.0: Bright Lunch Time. Musical 30: Bright and Selected Must 5. 3.45 : Elove Entertainment for the Tiny Tots. 5.45: Serial Story for
6.0: Dinner Music. 7.0; Selections from Talkles and Ruz Screen Hiss of the Week. 7.45: The House of Peter MacGiregor, 8.30: Heroes of Medical Sclence. Chan. 9.0: Popular Releases. 9.15: Selected Music 10.0

## 2TM

## TAMWORTH,

1300 Kilocycles
Day Sesslons as Friday, except: 5.01 Chifdren's Hour
6.0. Dininer Music.

Finsl 715 : Musleal Presente tion. 8.15: Kosinsky and Clancy. .3. Pollies of 1937, 9.0: Wea9.30 F Radio Rhythin. 10.0: Lis-tencr-Arranged Programme, 11.0:

## 2KA

KATOOMBA 1160 Kilocycles
Day sessions as Friday, except 8.ab: Saliy and Sam. 8.30: Bright 11.30: Hollywood Highilights.
6.0: Pem. George and Graham. 6.15: The Pear Pirates, 6.30; 7.15: Songs and Music, Final The Music Box.
45: Gem of the Eyenins Overture 8.0: A Dramatic In terlude. 8.15: Spot of Humor. 3.30: Motorists' Scssion.
6.4.: The Count of Monte Cristo Mightand Memories. 9.30 : New Raleases. $9.45:$ Dance Mustc,
10.0: News. $10.5:$ Slumber Time 10.30: Good-night.

## 2AD

ARMIDALE,
1080 Kilocycles
Day Sessions as Priday, except: 6.0: Dinner Musto and Birthday Session 2.0. Listeners Reques 8.0. Torch Bearers of History. 8.30: Dance Music.
8.45: Charlie Chan, 9.30: News,
Markets and Weather Reports, 10.10. Musio Lovera sess
10.10: Slumber Music, 10.27 ; Tran-

## 2GF

7.30 to 8.30 - verty sian. 12.30: Music. 1,15 : Must5.30: Unele Col and Margaret. Special Southgate Session, 6.0
Dinner Music. 6.30 . Masical Pro Dinner Music. 6.30: Musical Pro-
eramme, $\quad 7.15$ : The House of gramme, 7.15: The House of
Peter MacGregor
$7.30:-~ S p o n-~$ Pored Programme, 8,40 News.
7.45: Charlie Chan. $8.10:$ Mystery Fioner (Request Man) $\quad 8.30$ : Telling Me. 9.15 : Recorded Talk 9.30: News. 10.30: Close,

## 2LM

LISMORE,
$900^{\circ}$ Kilocycles
Day Sessions as Friday, except: ducted by Molle ducted by Molle.
cirer wolf
6.0: Dinner Muste, with Sheelagh
6.30: Beau Brammel, 6.45; Wizards of the Wurlitzer.

The Ghost Corps. 7.15: SportIng Sesston. Programme $\quad 8.0$ : Songs of Yesteryear, 9.45 : Dance
8. Charlle Chan.
Programme. 9.50 , Birihit 10.0: News. 10.30 : : Close.

## 2RG

 GRIFFITH,1470 Kilocycles
6.0: Chitdren's Seasion. 6.30: Music Lovers Pot-pourri, 7.0 : Songs at the Piano, by Cyri! James: 7.15 : Martet Repors Comedy: 7.30 Narket, Reports. 7.45: Local Programme. 10.30: Good-night Song.
2AY
ALBURY, Must 12.30: News. 1.15: The 5.30: Children's Session. ner Mrusic 5.45: Sension 6.0 : Din and Film Stars, $7.30:$ Sportin Sesslon, conducted by Mr, Bumton.
8.0: Churlie Chan. 8.15: Matter Concerning Men. 9.0: Heroes of ${ }^{\text {Civilisation. }}$ Juatice. $9.30:$ Tuneful Melodes. Justice. ${ }^{9.30: ~ T u n e f u l ~ M e l o d i e s . ~}$
10.10: Close.

## 2 QN <br> DENILIQUIN, <br> 1440 Kilocycles

7.303 Brighter Morning Music. 8.0 12.0 News Weather, etc bourne Luncheon Music. 12.30: Mc News, etc 20 , 1.10: Weather 6.0: Ohildren's sesston Sporting Comment $7.0: 2 \mathrm{QN}$ Musical Moments. 8.0: Overtire. 8.30: Bendigo Traders' Session 9.30: News. 9.45: New Release Session. 10.0: 2QN's Sesston of

## 2 BH

BROKEN HILL, 1060 Kilocycles
7.0: Cheery Morning Tunes, 7.15 News. 9.0: Close.
ness Sesston Music, 1.0: Happl5.0: Chlldren's Session, 5.30; Variety, 6.0: Dinner Music, 6.30
News and Stock 7.15: Black Magic. 7.30: Medley. 8.0; Torch Bearers of History. 8.15: A World of Maste-Songs from Germany, 9.0 : News. 9.30 Hopscotch of Dance Tumes, 10.30 :

## 2BS

BATHURST 1500 Kilocycles
Day Sesslons as Friday
45: Children's Session, with Unele Jack and Uncle John 6.15: News 6.30: Overture. 6.40: Selected Numbers. 7.0: Rlchard Orook 15: Var
15: Vartety Programme. Old-time Dance Numbers.
Snapper Dance Numbers. 8.30 Vocal and Instrumental Numbers.

## 3LO

MELBOURNE, 770 Kilocycles
Day Sesslons, as Friday, except: 9.35: The Mulionaire Gangster, by 0.10: Ourrent Happenings, in Sport. by A.B.C. Commentator
10.30; A Day with John BrownleeMiss Vaterle Purves.
The Week's Health Talk-"Tuberetulosis." Dr, John Dale. P w Pearee.
12.0: Health-Sugar and Salt: Do we really need them? Hippocrates.
2.45: At Homo and Abroat-The Watchman.
30: From the Constitutional Club Luncheon Speeches
Jaques Cartier, Modern Historyfagues up of Canada. "Sparks." 3.30 : Khyber. ISee 2FC.). 8.0: Through London with Etic Contes.
5.20: Tiny Tots' Session:

30: Young People's Sesslon. The Valley of Adventure. Pet's Corner, conducted by The Animal Mring this Number. Travel New from Isobel Ann. A Tuneful Goodnight.
6.0: Dinner Masle

40: From the Cafe Noir. (See ${ }^{2 \mathrm{ENC}}$, ) Ye Sow. (Ere, 2FC.) 8.40: The News Behind the News, by The Watchman.

## ON THE SHORT WAVES

$5.30 \mathrm{a} . \mathrm{m}$. (JZJ 25.42 , JVM 27.03): News in English from Tokio. 5.45 : Japsnese Folk Melodies are played by Jit Janz
Band. 6.15 : News in Cierman, 6.30: Close with National Anthem.
8.0 a.m. (DJD 25.4, DJL 19.8, DJO 49.8): Little Evening Entertaimment. 6.45 : Sports Review, 7.0: News $7.20:$ Close. burgh. "OSA 31.5, GSD 25.5, Gsi 19.6): The Castle of Edinterval.
0 a.m. (GSO 18.7. GSG 16.8, GSF 19.8, GSB 31.5): News 7.20: Recital by N. Scmino (Vloloncello) and M . Goosetrs
(Harp). $7.50:$ The Wheels Go Round." 8.20 : Operatio

.0 a.m. (JZJ 25.42, JVN 28.14 ): News in English. $7.15:$ New
Folk Songs of Japan. 7.45 ; News in Japanese. 8.0 : Close.

 8.0: Children's Session. 8.16: Quintet for Plano and Strings (Schumann). 8.45; News in Gcrman, 9.0; A Sunday Even-
ing Programme, 10.16: Sports Review. $10.30 ;$ Popalar Orchestral Concert
9.20 nm . (GSO 19.7, GSP 19.5Q, GSB 31.5, GSD 25.5): OrchesGral Musicup 9.30 , frozarts Chamber Musio. 10.0: Religious Service (Baptist) from Minehead, 10.50: Recital by Empire
Artists. Judith Silver (New Zealand Soprano) and L. Artists. Judith Silver (New 2caland Soprano) and L. $11.15 \mathrm{a} . \mathrm{m}$ (DJB 19.7. DJQ 19.6, DJR 19.56, DJN 31.4): News in Engish. 11.30: Hitier Youth. Nordic Songs and Dances. Noon: News in cerman. $12.15:$ A Hoyon-Bcetboven
cert. 1.15 : Varlations in $B$ Flit Major (Schubert), 1.30 : cert. 1.15: Variations, in B Fhat Major (Schubert); Ci.30: Noon (GSI 19.6. GSF 19.8, GSC 31.3. GSD 25.5): BIg Bem. The Central Band of HM. Royal Air Force, with D. Noble 1.5: Talk on "Impressions of European Personalities." By Jady Mulr, 1.20 ; Vlolin Hectial by Jean Pougnet. 1.40: 12.45 p.m. (3LR 31.34); "At Home and Abroad:" Talk oy Weather, 1.15: Mustc. 3.0: School Broadcast, "Milestoties
in Modern History," 3.20 : Clasical Musio, 4.0: Close, 130 pm (TPA4 25.6): News in Fnglish from Parls. 1.45 : Recorded Muscc, 2.45 : News in German 3.0 : Close.
Be Pubitshed Shortly." History of a Book from Author to Reader. 3.0: Musical Interiude. 3.5 Bells, and an Enpire Service from St, Paurs Cathedral, 2ondon.
B.m. IDJN 31.4, DJB 19.7, DJE 16.8 ): Lively Musto and Lively Mustc. 4.55: GREETINGS TO LISTENERS IN AUSTRAIIA. 5.0: News in Engleh, 5.15: Sound Pletures. 5.30 :
6.30 pm . (31.R 31.34): News, Markets and Weather for Nor-
thern Australla. $6.45:$ sporting. 7.0: Talk on - The Populir Front in France." Mr, H. Barton. 7.25 , National News.
7.30 : Queensland News Bulletin. 7.40 : From the Cafe Noir. 8.0: Serial. 8.30: Recordings of Celebrities who will be 9.0: The National Dance Orchestra. 9.25 : Emma and 'Erbert." 9.35: Comedy and Rhythm. Tha National Dance
Orchestra. 10.0: Melhourne programme. 10.30: News. 10.45: Meditation Music; 11.30: Litlle Evening Entertainment,
6.30 p.m. (DIB
Sporting. $7.30 ;$ News in German. 7.45 ; Topleal Talk. 8.0 ; $0 \mathrm{pm} .(3 \mathrm{ME} 31.55)$ : Recorded Musle. 8.0: Songs from World's Best Baritomes 9.0; News and Weather. 8.15: Gems from $8.45 \mathrm{p} . \mathrm{m}$. GSO 19.76 , GSG 16.8 , GSH 13.97 , GSJ 13.93): "Lan1837. 9.45 ; Vtolln Recital by M. Stotesbury. 10.0: Points of Vtew of Dominton Trivelfers, 10.15: Muice. 10.20: of Everybody Knows $11.20:$ News. 11.40: Close.
$9.0 \mathrm{p} . \mathrm{m}$ (DJB 19.7 , DJQ 19.6 DJE 16.8$)$ Coneert of Light Music. in $10.0:$ Nowis. in English, 10.15 : Light Muslo. 11.0 :
News in
Nermin. 11.15 German Marches. 12.45: Sporta Review, Midnight: News.
POR MIBCELLANEOUS SCHEDULIES, SEE FRIDAY.

POR MIBCELLANEOUS SCHEDULES, SEE FRIDAY
Q.0: Dance Again. (See 2FO.)
3.25: A Spot of Fun. (See 2FC.)
2.35: Melody Parade. (See 2FC) 10.0: The Ballad-Mongers. ${ }^{\text {2FC. }}$ (See 20.40 :
10.40: Meditation Music.
11.20 : Radionations Geneva, Weekly News Bulletin from The League of Natioms Shortwave Station, 11.25: A Summary of
News. 11.30: Close.

## 3AR

MELBOURNE, 630 Kilocycles
Day Sessions as Prtday, except: Leesons for Juntor Classes-Miss Thelma Reah.
2:1: During the afternoon Jim Carroll will describe the V.T. and R A. Trots at Ascot,
Stages in Japanese83: Early Stages in Japanese-
Mr, H. Traynor, Mr. M. Inagakt.
15: Countryman's Session.
45: Sporting Session, conducted by A.B.C. Commentator,
Popular Movements Abroad-The Herbert Burton, 7.20 : Music.
7.25; National News Builetin, nightly Review of Film and the 0:- International Celebrities, with Special Annotatlons, Aots if and 2 of the Opera, Bartered Bride (Smetana), Sung In Bohemian Cast: Aruseina, Jan Konstrantin. Baritone; Ludmila, Marie Plsova. Soprano; Marenka (Marle), Ada.
Nordenova, Soprano: Zdenek Otava, Bossa; Hata, Marta, Zdenel $O$ Otava, Bass; Hata, Marta
Krasova, Soprano: Yasek, Jaroslav Gleich Tenor: Jentk (Hans) Vmil Pollert, Bavit Komedin. Emul Pollert, Bass; Komediant, Otta Korakova, \&oprimo; Indian, Vielav Marek. Tenor. Chorus and Orchentra of the
Prague National Opera, conducted by Othanar ortroci, con 10. The Myatery of the Marie Sels, by Kelith George, of the duced by John Cairns,
10.15 : News. 10.30 : Ciose.

2 CO
COROWA,
670 Kilocyclos
6.30; See 2BL. 6.50: See 3AR. 9.35:
12.0: See 3LO 12.35: News Ser-
viec
1.15: See 3AR
1.55: $\begin{array}{ll}\text { vite. } & \text { 1.15: See } \\ 310 . & \text { 2.0: } \\ \text { Close. }\end{array}$
3.0: See 31.O. 4.0: Close
5.0: See 3LO. 6.0: Local Session. including Market Reports from Aioury. 6.15: See 3AR, 7.35 :
Local News Service. 7.40 : See 21.O. 11.30: Close.

4QG

## BRISBANE

800 Kilocycles
Day Sessions as Friday, except 10.30: The daily broadcast service, conducted for the Presbyterian
Church, by Rev, David Galloway.
10.45: Book Review, by "Bookmarker.
11. 10: Tall by Madam Marit Knight Sorkran, ILR.S.M. LMisiA siories of Great singers.
12.0 : Health Talk, broadeast to Schools-How to Take Care of Ourselves.
12.15: Broadcast to Primary Schools, by H. G. Watikin, B.A 45 .
12.45: At Home and Abroad-A Watchman.
Durtng the Afternoon, Descrip: tions will be given of the Rook-
hampton Jockey Club's Oirnival Meeting (Second Day)

Continued
5.25: Children's Session for the
5.30: Children's Serial Play-The Valley of Adventure. 5.40 : Cap and Bebe. 5.50: The Knowledge Man. 6.0: Dinner Muste
6.15: Atr-malls, Late Market Reports.
6.45: Rockhampton Race Results. Genera! Sporting General sporturg 0: Nationin! Talk by Herbert
Burton. Lecturer in Constitutional Burton, Lecturer in Constitutional
History in the University of MelHistory in the University of MelAbroad. The Popular Front in France,
7.25: National News Bulletin.
7.40: From the Cafe Nolr (See 2FC). 8.0: Ae Ye Sow (See 2NPC)
8.30: Recorded Recital, by Arthur Bubenstein
8.40: The News Behind the News, by "The Watchman."
2.0: Dance Again (See 2FC),
2.25: Emma and 'Erbert (See 2FO). 9.35: The Ipswich Oitadel Band conducted by W, G. Henderson: The Stalwart-March (Jakeway) The Blood and pire Flay-selection (Jakeway), Above the Rest (Smith), Christ, My Companion tion-March (Soderftrom), tion-March (Soderstrom)
10.5: The Brisbane Lyric Male Choir, directed by J. R. Yoriton. The Way to Bulld a Boat (Hat-
ton). All Oreatures Now Are

Merry-minded (Keighley) Mammy's Little Coal-black Coon (Parks). Sunset and Night (Abt), Bye-lo-land Jenkins).
10.30: Meditation Music.
11.20: Radionations, News Hultetin. 11.25: Weather. News. 11.30: Close.

## 5 CL

ADELAIDE, 730 Kilocycles

## Main Features:-

11.30: National Broadcast to Schools, by Dr. Kingsley Norris,
How to take care of ourselves. 15: Educational Broadcast, by Mr. K. polkinghorne, B.A., Australlan History: Incidents in the Life of Dampier. 3.30: Music
5.30: The Children's Session.
5.40: Australlan Muste Examination Board, A talk and prootical demonstration of the work requrte Bylabus, by Mr. George Pearce.
.0: Dinner Muste.
6.30: National Talk, by Mr. H Burton. Labor Movements Abroad 30: Every Monday at 7.30 : As Ye Sow, an Australlan Saga. (See 2 FC ).
8.10; The News Behind the News. by The Watchman
3.30: Dance Again with Al Hammett and the National Dance Orchestra.
8.55: A Spot of Fun, with 'Emma and 'Erbert.
9.10: From West's Olympla: Maor1 Choir, Native games and War Chants, with ruli desoriptions and interpretations. 10.10: The A.B.C. (Adelalde) Stuidio Orchestra, conducted by willam R. Cade.
10.50: Radionations Geneva-Weeky News Bulletin from the League of Nations Short-wave Stations 10.55: Interlude (r.) 11.6: Time 1130: Close. Medration aric.

## 7HO

HOBART,
860 Kilocycles
8.0: "Capstan." 8.1: To-day's Anniverstries. 8.2: News. 8.7: Musical Programme, 8.30: Tasmania
1.0: "Miranda's Housewives', Ses12.15 . Nows 12,90 : Rocordings 2.0: Clos Close.
3.0: Matinee Sesslon. 4.0; Dance Music. 4.30: Outstanding Recordings.
30: Children's Session with Uncles David and Brian. 5.45 : Uncle Hermie and Egburt, 6.0; Biruhdays 6.15: Dinner Music. 6.30 :
Jul Jones's Racing Talk.
6.40: Jul Jones's Racing Talk, 6.402 Sponsored Session.
Strond Reporter. 7.0 : New Re- Recordings.
8.40: Hits of the Week. 8.45 : The Catholle Hour. 3.15: Cavalcade of Kings. 9.30 : One Man's 11.0: Close.

## THURSDAY

## Continued

7.0: News and Race Results.

Alternative Programmeswireless chorus, conducted by John Antill (See 2PO).
7.10: 5CK-The 5CL Boys Club Session, conducted by "Unele Billy." 7.30: SCL and SCK-From Sydney Town Hall-Recital by Bromisiaw
Huberman, World-famous Violintitt.
8.30: A Recital by the Hindmarsh Municlpai Band, conducted by Alec Radcliffe, Wealletin and Announcements
9.5: "Z00 'Oliday"-A Production from the Studios of the British Broadcasting Corporation, London. 10.0: News and Weather Notes. 0.10: Dance Maste by Jim. David11.0 : Old-time Dance Musle ( $\mathbf{r}$ ). 11.30: Close.

## 7HO

HOBART,

## 860 Kilocycles

8.0 to 1.0: As on Tuesday

During the afternoon, Race Descriptions by Erio Welch will be relayed from 3DB. All Sporting Results broadcast during afternoon. "David and Dawn." 6.0: Birthdays. 6.15: Musical Programme. 6.45; Sporting Ses810n: Omicial Deseriptions of Greyhound Racing from T.O.A. Ground, Hobart-Races described by Brian Hodgman, All Races Interspersed with Dance Muslc. 11.0: Close.
(Continued from page 49) Rockhampton Agricultural Society's Ammual Show.
ciety's Armual Show, with the Graysons, A Play for the Micro. Graysons, A Phay by Kathleen Tavior. Eplphone by Kathieen Tayior. EplWater." Production: D : o n Wheeler idren's Session for the 5.15: Children's Session for tho 5.30; Children's Eerlal Play-The Villey of Adventure. 5.40 : Cap and Bebe. 5.45 : The Music Man. 6.02 Dinner Music.
6.15: Ar-mails. Late Market Re6.45: soccer Football Notes, by H. C. Read
6.50: Rugby League Football Notes,
7.0: Talk by J. L. K. Gifford, Leefurer mand $T$ Me Man at the Queensland. T he Man at the Door
20: National News Bulletin
.40: The A.B.C. CBrisbane Concert Orchestra, conducted by W chert (Soprano), and Alex Johnston (Baritone). Orchestra: Bohemlan (in) Only My Song (Lehar). Orehestra: Eeremsong (Drigo). Baritone: Just in Iattle Love a Lattle Kiss (Sllesu). Orchestra: Merry Widow-Selection (Lehar). Soprano: Everywhere I Go (Martin). Orchestra: Grasshopper's Dance (Bucalossi). Baritone: Without a Song (Rose). Orchestra: Heart's Desire Selection (Arr, Clutsam), 9.5: A Concert
9.15: Bronislaw Huberman (See 10.40; Dance Musle, by Jim Davidson's A.B.C. Dance Band 11.25 Weather, News, 11.30: Glose.

## 5CL

ADELAIDE,

Maln Features:
11.20: Community Singlig
12.0: Educntional Broadeast, by Mr
D. G. Bradman, Travel Taiks by
on the Eriglish Tour.
3.15: Educataton, A.T.S.C.
5.30: The Chtldren's Session. con

Sucted by Marie Doulse.
5.54: Boy Souts Corner.
change, 7.15: Market Reports. 7.30 : Tunes of the Town, arranged 7.45: Musical Britaln. Popular 745: Musical Britain. Popular
Songs of Home by the Windarra 8.15. Quartethl
8.15: The Promise of Youth A Panoforte Recital by Alethea 8.35: A Concerto Explatned, by Lindley Evans.
8.45: Celebrity Concert, featuring Bronislaw Huberman, worldIrmous violinist. (see aFC) trele 9.30: Judrh Ann and her Uncie Travel.
9.45: Mill Frulty Melodrama-Onity a. Mill Gir1 (or the doingl up The Melluish Brothers
10.0: News. Weather Bulletin and 10.10: Dance Musle, by Jim Davidson's A.B.C. Danc 10.55: Interiude (f.). 11.0: Time signal 11.1. Dance Mus
11.25: Epllogue. 11.30: Close.

71 B 0 Kilocycles
HOBART,
8.0 to 5.0 : As on Tuesday.
5.30: Children's Session, with Unele David. 6.0: Birthdays. 6.0 to 2.0 : As on Tuesday. 7.0: Now Re leases.
9.0: All Comedy Session. 9.15: Recordings, 10.0: News. 10.5: The In-1awl 10.20: Band Recit: Vocal Interlude. 11.0: Close.

## MURIEL VALLI <br> CHIDDREN MEET AUNTIE VAL

At Divid Jones's Saturda Morning Partles. Jadging
Juvenile Costumes as vial.

Adventure Afloat and Ashore
You'll Find It In The
WORLD'S NEWS
EVERY THURSDAY— 2 d


## Who is <br> your Cover?

You have never met himthis "lover" who comes to woo you with an exquisite seren-ade-his voice breathes tenderness and adoration-yet always he must remain unknownjust "your devoted lover."
"Your lover" will come to you with a "Serenade to Beauty" each Monday evening. The "Serenade to Beauty" is a programme that has, for many months, been one of the most popular sponsored programmes with English women. It is a continuous succession of lovely melodies played without interruption. "Your lover's" presence is felt throughout the Serenade. He whispers to you. He sings to you. Then, just as the Serenade draws to a close, you will hear his words of love to you-"his adored listener."



Lady Tennyson

## "6esendery Beauty ค而 Every Monday Evening 9 to 9.30 p.m. half-hour that is different.

Listen to the beauty secrets of famous women of the British Nobility.
Another exceptionally interesting feature of the "Serenade to Beauty" will be the testimonials of such famous British Society women as the Marchioness of Cambridge, Lady Tennyson, the Countess Howe, Lady Helena Fitzwilliam, Lady Massereene and Ferrard and Lady Morris. You will want to hear every "Serenade to Beauty"-that halfhour in the soft glow of the lamplight beside your radio-the

## 2FC 7.40 <br> THE A.B.C. (Melbourne) WIRELESS CHORUS <br> Conducted by JOSEPH POST <br> Song on a May Morning Voicis of Women The Spy <br> 2FC 8.0 <br> VICTORIA REGINA <br> Scones from the Life of a Queen, by LAURENCE HOUSMAN Adopied for Radia by LESLIE CLARKE REES 2. Theming Events (1837). <br> 2. The sx Orclock Call (1837). <br> This bracket of playlets is taken from the famous series on the life of Queen Victorla, written by Laurence Housman. It is only this mopth that permission has been granted by the Enylish Lord Chamberiain for fepresentation of Queen Victoris to appear on the stage. <br> the firet play, Coming Events, gives a gllmpse of the Young and duurul Princess on the eve of the death of Willam IV." whom sie wil succeed. Her mother, the pompous Duchess of kench has reared stern family lines but, out of the Princess do huminty there gleams a hint of the masterful, self-dekermined Quere of the future. <br> The second play presents the celebrated Six o'Clock Gedi, with the Princess rising from her early morning bed to bo named qucen. <br> whom the Queen is to on the thorny question of whomither hewn cholce. <br> In these short scenes, and in those which tollow. Laurence Housman has created a lively and human portratt of the early victorla, and one which has been widely appreciated by theatre audtences abroad. <br> production: Joiln oatrns. <br> 8.45: National, TaLk-"Aristophanes' Tale of The Round Men"-Mr, H. W, Alen.

## 2FC 9.0

## RECITAL OF FRENCH SONGS

## By VIOLET SOMERSET, Soprano

Las vielles de Chez Nous-Old Folks at Home Berceuse-Lullaby, "tu"-The Nightingale is Stene-Baton) Lo Roasignol sest tu - The Nigntingaie is silent Mandoline (Poldowski) SYDNEY, 6.0: Dinner Musio (r.) 610 Kilocycles 7.40 : THE A.B.C, (Mmbourne) 10.15: A Bung wa bey, except: Racing Commentator.
10.30: JUDITH KENNY will speak on A Famous Fortune-Teller.
10.45: GLADYG OWEN reviews a
12.0: PRIMARY-ENGLISH,

Miss H. M, Symonds, B.A., will for Good Speech and A Treatment of the poem The Crownting of Dreaming John
12.45: AT HOME AND ABROADWATCHMAN
3.0. SECONDARY-MUSIC,

Mr Livingstong, C, Mote, M.A. State Conservatorium of Music,
will sprak on Melody Malaing IV, Second Thoughts in Melody: how to balance a phrase."
3.45: Christine Comber tells a story: THE BANANA SKIN.
5.0: Musical Items (r.)
5.20: TINY TOTS' SESSION,
5.26: Musical Imerlude
5.30: YOUNG PEOPLES SEISSION. THE VALLEY OF ADYENTURE. A Story of the Far North of Atstralia, by E. V. TTMMS.
5.402 Completion of Relay to Na5.40: WATTLE TOWN, presented by Ta! Ordell and Robin. Bryson and Pat.
8. WIRELESS CHORUS, (See Panel) 8.0: VIOTORIA REGINA.
8.45: NATTONAL TALK 45: NATIONAL FALK. Aristophanes. Tale of The 9.0: REOITAL OF MRENOH. SONGS (See Panel) TET (See Panel. ${ }^{\text {TE }}$. PM, Planist 10.0: PAUL SCHRAMM, Planist. (See Panel.)
10.40: Dance Music by the National Dance Orchestra, conducted by A) Hammett.
11.25: Late Offictal Weather Porecast and Late News. 11.30: Close.

## 2BL

SYDNEY, 740 Kilocycles Day Sessions as Friday, except: 11.40: CAPTAIN LISTON BLYTH will speak on THE CHIRIMA PATROĹ
3.0: MUSICALE,

WItLIAM DAVIS, Pianist, mary hosking, Mezzo, ALBERT MILLER. Tenor. TENORAlways as 1 "Clöse My (Qullter) Minnelled PIANIST Dedication

Consolation No, 3 .. ... (Llapt) The Night Winde ... .. (Griffes) MEZZO-
Do Not Go, My Love (Hagelmann) The Island
By the Waters of Minnetonka
TENOR-
Once There Lived a Lady Fatr
Thank God for a Garder $\begin{gathered}\text { (del riego }\end{gathered}$
I Pitch My Lonely Caravan $\begin{gathered}\text { (Contes) }\end{gathered}$ PIANIST-
Melodie $\begin{aligned} & \text { M } \\ & \text { Study in } \\ & \text { O Minor } \\ & \text { Sachmaninoff) }\end{aligned}$
Moftly Awakes My Heart,
Rain .. (Pearl Curran)
Know whers
(Irish Folk Song, arr. Hughes) 3. 50: B.B.C. RECORDING-

A Recital of English Folk Songs by ClIVE CAREY, Baritone.
4.10: Musical Interlude
4.30: MRS. OSBORNE ORETLLI Roads a Letter from Paris.
5.30: Musical Items (r.)
ducted by Dr. L. D. Woodward and M . Jean De Vial. 6.15: Weather Report, Stock Ex-
change Report, General Markets, etc. A Summary of the Ram Sales
etiche 6.40: A Summary of the Ram Sales 6.45: sportina Sbssion-Re6.50: The A.B.C. Racing Commentator. To be Arranged
7.0. TaIk-TI To be Arranged,
7.20 . NATIONAL NEWS BULLE-
2.30: Local News
7.45: MORE NOISE ON THE WESTERN FRONT- GUNNER 8.0: BRONISLAW HUBERMAN. (See Panet)
9.0: InterIude (r)
9.10: COMMUNITY sinaina, (See Panel.) 10.25: Late News from "The Sun." 10.29: Weather Information. 10.30: Close.

## 2NC

NEWCASTLE,
1230 Kilocycles
6.30 to $9.30:$ Relayed from 28T,
0.30 to 11.0: Relayed from 2FO,
1.0 to 11.5 FROM 2 NO NEWCXISTLE STUDIO-Chat Over the Teacups, by Cella Startleld. 11.5 to in. 15: News Service by
Courtesy of the Newcastle "MornCourtesy of th
ing Herald.,
11. 15 to 11.30: Relayed from 2FO. 12.0 to 2.0 : Relayed from 2 FC . 3.0 to 4.0 Relayed from $2 F \mathrm{~F}$.

## $2 N R$

6.30 to 9.30 :
9.30 to 11.30 :

NORTHERN RIVERS 700 Kilocycles 12.9 to 11.30: Relayed from 285: 12.9 to 1.25 : Relayed from 2FO. .25 to 1.35: Local News from the "Grafton Examiner
1.35 to 2.0: Relayed from 2FC. 3.0 to 4.0: Relayed from 2 FO . 6.0 to 7.35 : Relayed from 2BL. 7.35 to 11.30 : Relayed from 2 FO .

## 2CR

## CENTRAL REGIONAL

 550 Kilocycles6.30 to 9.30 : Relayed from 28I.
. 30 to 11.30: Reliyed from 2 FO , 12.0 to 125 : Relayed from 2 FC . - News Service by courtesy of the "Orange Advocate", 2 FC . .0 to 40 : Relayed from 2PC. 5.0 to 6.0 : Relayed from 2FC 6.0 to 3.0: Relayed from 2nt 10.30 to 11.30 : Relayed from 2 FO

2UE
SYDNEY, 950 Kilocycles
Day Sesslons as Friday, except: .45: The Breakfast Club, conducted by Russell and Morian 8.30: Randwick Track Highilghts. 10.45: Mrs. H. Templeton 12.30: "Poultry"-Talk by Mr, $\mathbf{~ O}$. Honeyfleld.
1.10: Harold Park Dog Draw.
5.0: A Musteal Cocktall.
6.5: Harold Park Dog Draw.
6.10: Racing Results.
6.20: Rhythm of To-day.
6.30: Prevlew by the Newsletter Racing Commentator,
6.36: Dinner Music.
C.A5: THE ARMY SESSION CONDUCTED BX "THE COLONEL."
7.0: The Thirteen Windows of the Jude Paroda, 7.15; Orohestras or All Nations. 2.30: News Service. 7.35 : Muslo We Remember. 7.5s: The singing Troubadour. 8.0 : Modern Composers. 8.10: Friends Modern Composers, 8.10: Frients Home. 8.30: To-day's New Heme. Releases, 8.45: Racing

大 9.0: "THE EANDALL
9.15: Eric Bell, Pianlst, 0.35 : 9.15: Music.
100. OUt THE WEAKER SEX,
10.0: Out of the Band Box. 10.15: Hewr. 11.30: Close.

2FC 9.20 BUDAPEST STRING QUARTET JOSEF ROISMANN, First Violin

## ALEXANDER SCHNEIDER, MISCHA SCHNEIDER, Second Violin

quartet in P Major, Op. 86
(Dvorak) Allegro Ma Non Troppo. Lento. Molto Vivace. Finale.

2FC 10.0
PAUL SCHRAMM, Pianist
Sonata Poems " "e "en "plecen for the Poy Agnow)
Javanese Visions-Seven Pleces for the Plano (Schrantm)
Mohammedan Morning Prayer.
Bathing in the River.
Boeroeboedoer:
Riceffetds in the Mountatns.
Gay fafe in the vilinge.
Dance.

## 2 CH

## SYDNEY，

 1190 Kilocycles Day Sessions as Friday，except： 10．2：MornitSneddoz：conmuNITY SINGING． condtucted by 1BOB STRO． THER－from Auburn． 3．0：June and Jonn
Time Readezvons．
4．55：Calldren＇s Seselon．by the Fairy Godmother， $5.30 ;$ The Zoo Lady， 5.40 ：The Hello Man＇s
Chiddren＇s Session．6．15：Carson． Roblson and Co．
30：Knight Barnett at the Bur－ wood Cinema Organ．6．45：Din－ ner Music 6s0：Weather．
a $7.0:$ COMEDY CLDB，com－ Ho pered by EDWARD HOWELI．
7．25：Sally Paige at the Piano．
7．30：The Harmony Parade，
7．45：Snapahots of 工ondon．
8．0：Fred and Maggle Everybody， Featuring Edward Howell and
Therese Desmond，8，12：Abert Therese Desmond，8．12：Albert
Sandler and Orchestra－play of Sandler and
Butterfiles．
8．15：Stars of the Air．8．27：Edith Lorand and Orchestra－Christel （Jarne）．
8．30：Metropolitan Coronation Eis－ teddfod．8．45：Pive Minute Mys－ tery．8．50：Night and Day，
0.0 ：Patricia and a Plano． 9.8 ： 2．0：Patricia end a Plano．9．8：
Edith Lorand and her Orchestra 9．15：So many Paths that Wind and Wind．9．30：Classics in
10．0：＂Mr．Weary and Mr．Worn，＂ Teaturing Edward Howell and Les
Warton．10．15：Rendezvous with Warton．10．15：Rendeavous with 10．30：RONA1，MARSTON at ORGAN．

## 2GB SYONEY，

Day seasions as Priday，except： 7．45：The Breakfast Club－
Russell and Reg．Morgan．
Russell and Reg Morgan． 10．30．．${ }^{\frac{3}{3}}$ ．porothy Jordan－＂Beauty 12．15：Eyelyn Bernett－＂Book Re－ 2．10：Arthur de Dion－The Aitrologer，Lancheon Sossion， conductod by Jack Lumsdaine
$.30: \mathrm{Dr}$ ．J．Hughes－Tubereulo National Health and Medical Re－ Narch Council
4．15．Mise D Sentor，A．s．t．C．－
Home Decorating．＂Songs to the Tiny Tots．Childs session，condueted
 contimued．6．0：Terry and Tect － $\begin{gathered}\text { 6．15：TWENTY THOUSAND } \\ \text { LEAGUES UNDER THE SEA，}\end{gathered}$ by Jules verne．
6．30：Dimner Muncicite Papers＊ －A B．B．A PRODUOHON． Production． $7.10:$ Music．$\quad$ B． 7.15 ： Muadys Favorites，High Freuency－A B．S．A． P．Production，The Band Parace Mutle．
cit The Band Parace

### 8.30 HOUSE OF DEEAMS D REAM MELODIES＂－A RSA．PRODUCTION－－TIT－

 PERARY．＂8．45：The Harmony Pieker，
K 9．0：TWO RADIO StaRs－
JACK AND SUZY． SACK AND SUZY．
Tunes， 9.45 ：Hot Hawallan Har－ 10．15：New Records To－day．10．30： Privolities．10．45：Musio
11．0：Blumber Music． 11.25 ；Newn．
11 ． 30 －Close．
SYDNEY．
Doy sesstons as Friday，except：
 Stinimy Gime．House of the
2．45．Melody GIIAAN＇s MAGAZINE OF THE AIR－A TRANS－ eadio production．

## ＋

120：COMMUNITY SINGNG FROM TIIE SYDNEY TOWN
HALI TEN MAVEICE AND HALL，LEN MAURICE
4．0：Young，Covizens
4．45：Radio Pletares Newiman
5．15：Culldren＇s Session 5．45：Nur－ sery Rhymes．5．55：The Talk of
6．0：Ceorse Edwards－＂David and Dawn under the Southern Cross： 6.15 Dinner Muito．

6．50：Victoris Park Form and Selee． ${ }_{7.0}^{\text {tion．}}$ Dad iad and Dave－A George Ed－
末 indir
 NET＂－A GEORGE EDWARDS production
2．45：The J．H．Squire Celeste Octet，8．0：Pageant of Greal Artists $8.15:$ Synchromatics． 8，25：The Hit of the Week 8.800 GEORGE EDWARDS
 TAS．${ }^{\text {sTO }}$ OF POCCAHON－
8．45：Musio Parade，featuring Al－ tred Wallenstein and His Concert Brase Bañ， 2．45：Now Release Supplement
10．0．Redo Rhythm．10．15：Mutic from Pitms 10．30：Mrustical Mis－ cellany，11．0：The Party Spirit Midinght setisions as Fridag．

## 2SM

 SYDNEY， 1270 Kilocycles 2．30：whe Pictoriat of the Arm： Reading．Pictormal of the Air－ 5．0：Uncle6．0：Uncle Tom and His Gang．
6．1：Dinner Bession－Dominic Har
6．50：Instructive
Talk－＂Asthma
and Its Causc，＂by C．A．Hlosan．
7．0：Musfe，＂Mo＂－AUSTRALIA＇s PRME
7．30：＂ONE MAN＇S FAMILX＂
BOOK 9．CHAPTER ＂FRIVOLITY RAMTER H－ PRODUCED BY J $O$ it DUNNE
$8.0: *)$
－WITH CARMEN BOWMAN RHANA MEDLYN，WALTEE KINGSLEY，FRED WEBBER． $8.15:$
New： Mews．me． Madame．9．0：A Variety Pro 10.01 Ten O＇olock Musicale． 10.25 ： the Day－Paul Oliver．10．30：

## 2KY SYDNEY．

Day seaslons as priday，except：
9．15：Race Talk－Harry Solomons． 10．45：Talk－Dr，Lloyd Ross． Meeting－Ken Howard．
Menting－Ken Howard，
4．2：Speciaj Argus Broadcasi，
Melody Session－John Harper，
5．1：Alf of the Alphsbet－Children＇s Competition Session．
5． $30:$ Dinner Divertissements：$\quad 6.30$ Dinner Entertainment－Goodo and 6．45：Radio Snapshots．7．0：Rufe
Nayloz．
15：I Alor Newn Commentary． 7．25：Racing Toptco－A，W，Davies 7．35：Munte，7．40：Reg．Martin．
7.50 ：Sporting Weekly－Ken How－ 8． 0 ：Overture． $8.5:$ Music， 8.30 8．0：Overture．8．5：Music．8．30：
Musical Hishllghts 9．0：Music： Y 9．15：LABOR MARCIES ON
9．30：Melbourne Turf Topics－
George Francis 9.35 ：Music，
－ 0.45 ACCORDEON SESSION －IOHNNIE MARTELL and GORDON CURRIE，
10.15 ：Radio Rhythm．
10.30 ：Hapne Hour－

10．30：Happy Hour－Gerry Hard－ man，11．0：Your Favorite Artist，

## $2 G 7$ CENTRAL N．S．W．

Day Sessions as Friday，excent 6．50：Producerst gervice，station－ Mutton Sheep and Beef Catlle． 11．5：The Kitehen of the Alr． 11.20
$\square$
2BL 8.0
FROM THE SYDNEY TOWN HALL

## BRONISLAW HUBERMAN

## WORLD－FAMOUS VIOLINIST

Assisted by JAKOB GIMPEL（Piano－Accompanist） Sonata in D Major
Largo Maestoso Allegro
Larghetto－Allegro Con Brio
Chacome for violin Solo

## 2BL 9.10

## COMMUNITY SINGING CONCERT

## Assisting Artista：

THE BLUE PIVE Novelty Instrumentalists


Our Household Scrap Book． 11.35 Correspondence，11．45：Country 3．40：YRIENDS OF MINE． 55：Reveling－in Rhythm， 4.0 ： We Present－Rtehard Crooks． 4．40：Qulet Pictorial of the Air． 30：Tiny Tots＇Sesslon．5．0；Cnt1－ tren＇s Eestion．6．0：Dinner
Musio． 6.15 ．The Grocer and $\begin{array}{ll}\text { Music．} 6.15: \text { The Grocer and } \\ \text { Madam，} & \text { 6．30：Dinner Music．}\end{array}$ Madam，
Continuind

## 6．45：DAD AND DAVE．

Turf Proview－A Racing Talk by Tom Ellia，${ }^{7.155}$ Muste． 7.24 Produce．7．30；Weather．
7．35：Country Stock and Oversea Meat Cables．7．45：The Graziers Awtoctation 7.50 ：Lit give a whort Talk．F．50：Leave it to Leslle 8．0：Evening Musical Programme， he In－Laws．8．45：Mustc． KINGS．
9．5：Music 9.1 Charie Chan．9．30：Popular 9．45：Racing Tulk by George Francis 9．50：Musio，10．0：In－ struments for All． 1 ：Look－
ing Backwards． 10,30 ：Close， 2 HD

NEWCASTLE
140 Kilocycles
Day Sessions as Frlday，except：
11．25：Joyater Notes． 12.0 noon：
The wireless Wags． $12.30 ;$ Es 3．0：Ladies Afteraoon，relayed from Joyster Clubroom．3．30：After－ Moon Musicale．4．30：Modern M．15：Ch
15：Children＇s Session．5．35：Joy Club Sunshine ship，5．40；Jack and Snowy，5．45：Dinner Music． 6．20；Joyster Notes and News
 amily：A PAGEANT OF GREAT ARTISTS．
8．30：Synehromatio Memories， 9.0 ：
Koninsk！and Clancy $9.15:$ Home on the Range，10．0：News．10．30：
olone．WOLIONGONG
2WL WOLLONGONG， Morning Sessions as Friday，ex－
0：－Uncle Ted Reads a Story． 6．30：Overture．6．40：－Recorded Muste，7．0：A Spot of Humor． $\begin{array}{ll}\text { 7．8：Music．} & \text { 7．30：Thriller，} 2.45 \text { ；} \\ \text { Recordings．} & 7.58 \text { ；} \\ \text { A Cavateade }\end{array}$ Recordings． 7.58 ：A Cavatcade
of Kings．
8．10：Musical Pot－ pourri
3．30：Five Minutes Fun with Mar－
tin＇s Mirthmakers． 8.35 Musio． Lin＇s Mirthmakers 8 ， 8.35 Music．
 Guitar Club．9．15：－Recorded Programme．
Programme，Racing Talk．9．3：New Re leases．9．50：Hot Stuff． 10.0 Close．

2NZ

## INVERELL

1170 Kilocycles
Moraing Session as Friday Chmes YOUR CHOICE－NOT OURS．
3．20：Chimes，4．0：Afternoon Tea－ Story．4．30：Musical Melange， 5．0：FREDDO THE FROG
（SFRIAL），FEATIRING MARF艮，FEATERING EN又． SA5：JACK STRONG＇S GOID RFEF（SERIAL），FEATUR－ ING KEN，SPARKES

Mitkeg the song．

Old time Dance Mood： 8.15 ： in
Modern Dance Mood．
8 zo：FEATERING $8.30:$ FEATURING BENIA－
MINO GIGLI IN EXCERPTS MINO GIGLI IN EXCEEPTS
FROM＂LA TOSCA＂（PLC－ FROM＂LA TOSCA＂（PUC－
CINT）．
8．45：The
8．45：The Munie of Erie Coater－ London Again Sirite， 9.0 ：
Bands on Farsde， $9.15:$ Fun－

9．30：At the Console of the Grand Organ．9．45：Sandman＇s Seren－ 2 KO

NEWCASTLE 1410 Kilocycles
7.44 Day Sesuions as：

9．30：Quiet Reflectionis，condueted by Uncle Peter，10．15：Cheerio 10．45：Our Affairs，featuring th Racio Correspondence Club
3．0：Ifghts！Camera！Action！－An Exciusive session on fionywood written and piesented by Mis： Elma Gibbs and Mr．Tom King． 30；Rridce Talk－Mrs，Carter． Close Music，6．30：The In－Laws，7．0 Dad and Dave，T，15：Music，
8．0：Musical Moments．8．15：Wats nabe and Wralam．8．30：A Spot
of Humor．8．38：Sponsored Pro－ gramme，

> 5: Charite Chan

9．A：Request Session－Tom King at 9．15：DESCRIPTION OF THE WRH，STLING FROM THI
10．15：Suppertime Presentation
＊Asthma and Catarih Talks 2 S M 6.50 p．m．

## By C．AUGUSTUS HIOSAN

Celebrated Asthma and Cutarrt
Specialist and Discoserer of the ing Rooms，Kembla Bidgs，Mar－

2 MO2MO 1360 Kilocycles Day Sessions as Friday. Story. 6.15: Birthday Calls and Cheerios. $\quad$ : 30 : Entertainment News rit Erlsht Music. Brondcuster, Cyuthia, 7.15 Race 7. 35 : Music. 7.35: Musie. Adventures.
strange A.0. The Happy
Musie 9.0: 8.15
Hour. t. 30 Listenct-lathumed Pro9.32: Liftening-in on Hollywood. 10.0: Close.

## 2CA

CANBERRA
22.30: Luncheon Muste Horoscope Reading Musie, 12.50: Muatc.
 ventures of Angeline, Ben, and
Tom. 6.20: Children's Birthday Cheerios. 6.25 . whav Brthay Canberra. 6 .3.30; Dhamer Mumple Tow weather. 30: Pinto Pete and his Ranch 8 of Popular Recordings. 8.30 Jack and Joe Competition. 9.0
Famous Orchestras. 9.15 : Instru mental Quarter-hour. 9.30 Pavorites, Old and NeW, s. 45
Relaxation Musle. 10.0: 5 station Announcements and close.

## 2GN

GOULBURN 1390 Kilocycles
5. 20 : Entertainment for Tlay Tots. S i5 Serial Story for chlaren,
6.0 Dinner Muste. -. Fom Talke and nity geren News. 7.15 . Religtous Adcress. 8.O. Celebrity Programime of Pa mous Artises. 8.30 : Heath TVilk 8. As. Adventures or Modern
Dance Mivic. 9.30 : Toptes from Dance Muicice 9,30 ; Topicif from Music. 10.30:
2TM
TAMWORTH,
1300 Kilocycles
Day Seamons af Prtaty, exeept
10.45: Motacteraft Betsion. 10.45: Molactcratt C
3.0. Chldacns Hour
6.0:
6.0: Dinner Musle. E.45: In Town
 Famely Book 9, Chapter 118.0: Muate. 8.30: Peature Pro
laramme. 8.45: Weather and gramme Reports Weather and


2KA
KATOOMBA.
 Mrustict 6.45: Frank and Archio
7.0. Radio Rhythm. 7.15: Muilo
 Moltecles of the Evening. 7.50

 the: Illands,
45 . Ocont of Listeness Cholice. 9.30 . Dance Muste. 10.0 : News Sorvice. 10.10
Sirn ber Kuife. 10.30 : Good-

Day Sessions as Friday, except: Calls. 7.0 : Mipe Band Belections 7.30: Dance Muste. 8.45 Charlle Chat 9.30 News. B.4. Metrind Weather Reports. 9.45. Musie Lovers Sester 10.27 : Tran-


## 2GF

GRAFTON,
1210 Kilocycles


Masic. 1.15: Murfeal Box. 1.45 News, 2.0: Close. tertain the Chifdren. 6.0; Dinner Musie. 6.30 : Musteal Programme.
6.45 : 6.45: Prairle Melodies. 7.30 Muslo 7.40: News. 8.0: Torch Bearers of History, 8.30 :, Music.
9.30: News. 10.30 , Close, 2.30: News. 10.30: CISNE,

## 2LM

Day Besslons as Friday, except: 5.30:- Schndal of the Stars Me Chllitren- Molle 6.: Dinner Musio, with Sheelazh aross. 6.30: Recorded Rhythim. 6.35. The Reason Why: R.40:
Market Reports. $6.45:$ Radio Rhythm.
7.01 The Album of Lalfe. 7.15 : Sporting Session.
8.0: Musical Jewel Box
8.15: Radlo Theatre, compered by 8.30; Charlie Chan. 8.45: Richard 9.0: Rajput. 9.45: Let's Go Daneing. 2RG GRIFFITH, 1470 Kilocyclos ; Chindren's Session, 6.30: Musio. Lovers Pot-pourri, $2.0=$ Songs 30 . Market Reports, 7,45: Local News. 9.30: One Hour Dance Pro-
gramme, 10.30 : Good-night Song.

## 2AY

ALBURY,
1480 Kilocycles
12.0; Opon, 12.30: News. 1.15: The Muste Box, 2.0: Close.
.30 Juntor Ampouncers Sesalon ing Dinner Music, Bunton 8.0: Charile Chan. 8.30. Around the Bandstand. 9.0 : The mon Horac. 9.15: The Countryman's News. Melody, 2.45; Dance Programme. ${ }^{20.30: ~ c l o s e . ~}$

## 2 QN

DENILIQUIN.
1440 Kilocycles

### 7.30; Brighter Morning Music, 8.0 :

 Newh Weather, etc. 0.0 : Close. 12.0: Luncheon MCusic, 12.30 :News, Weather, ete. $2.0:$ Close. 2.0: Children's Sesson, 2.0: $2 \mathrm{QN}^{\prime \prime} 8$ Sporting Commentator, $\quad$ T.23:
News. 7.45 : Goodwill SessionNews. 2.45: Goodwill Session-
Moving Stories of Life, 8.0 : Bourke Street Seesion. Bendigo 'Tradera' Seasion. Sponsored Session. 9.30 : News. 9.45: 2lizateth street Sestion,
$10.0: 2 \mathrm{QN}^{\prime} \mathrm{S}$ Sceston of Brighter

## 2BH

BROKEN HILL. 1060 Kilocycles
7.0: Early Morning
12. News 2idday Melodies, 1.0: Happlness seasion. 2.0 : Clase, ety, 6.0 ; Dinner Music, 6.30 :
Nows and Stocks. $6.45 ;$ O.WA. Talk, 7.0; Stars at Home, 7.15 :
Medley, 8.0: Songs We 1.ove, 8.15:
 Melodies, $0.0 ;$ News $9.30:$ Maga-
2ine of the Ar. $9.40 ;$ Dance Prosramme. 10.30 : Close.

BATHURST,
2BS
500 Kilocycles

## Day Sésalons as Priday.

5. 45 : Special Session for Ghildren. 6.15: News. 6.30 : Band, 6.45 :
Sandy Powell. 7.0: Victor silvesSandy Powell 7.0 : Paul Robeson-
ter Sesson, Variety Programme, 9.30 : Dance Programme.
Music. $10.05:$ Medis ation
Bell

## 3 LO

MELBOURNE,
770 Kilocycles
Day Scasions as Friday, except: 35: The Millionaire Gangater by
John Wallace, Read by Scribe. John Wallace, Read by Scribe,
0.10: Current Happenings in Aport. by A.B. Cormmentator
League of Nations Union Radio Club under the auspices of the Sional Affairs conducted by Miss Constinice Drincan.

## ON THE SHORT WAVES

5.30 a.m. (JZJ 25.42, JVM 27.93): News in English from Tokio. 5.45 : Vocal Selections by Suadents of the Academy of Musia. 6.15: News in French. 6.30: Close.
6.0 am . (DJD 25.4, DJL 19.8, DJC 49.8 ): Concert of Lght Music, 6.45 : Topical Talk. 7.0 ; Nows. 7.20 : Close $6.0 \mathrm{am} . \mathrm{m}$, (GSB 31.5, GSD 25.5 OSI 19.6. The Royal Artillery $2.0 \mathrm{~B} . \mathrm{m}$ (GSO 19.7. GSF 19.8, GSB 31.5, GSO 16.8): News plonshlps at Wimbledon. 7.30; Masical Comedy. By the Blonstips at Wimbiedon, Revine B.B.C. Emplre Orcticitra. 8.30: Tumes Everybody Knows. 9.0: Clóse. Tunes zverybody Knows, 9.0. Close. years ago. Lenin's Historic Speech against War. News. 50 a.m. (DJN 31.4, DJB 19.7. DJQ 19.6): German PoIk Songs.
 Entertainment, 19.6, GSO 19.76, GSB 31.5, GSD 25.5): Light Orchestral Music. 8.30: H , Gordon's Concert Party Prom Aberdeen, 10.0: "Haunting Harmonics," 10,10.: "Empire
Exchange." Points of View of Dominion Travellers. 10.25 : Exchange." Points of View of Domimion
1.15 am (DJB 19.7 DJQ 19.6, DJN 31.4, DJR 18.56 ): News in English. 11.30: Rittle German Reader, 11.45: Topical Talk,
Noon: News in German. 12.15: Outdoor Dance. 1.30 : News. in Eaglish 19.50: Close. GSi 10.6, GSC 31.3, OSD 25.5): Big Ben. Commentary on the International Horse Show at Ofympla, Condon. 12.s0: Cinema Organ Recital, 12.50: Castie. 1.40: $45 \mathrm{p}, \mathrm{m}$, (31.R 31.34$)$ : "At Home and Abroad," Talk by The Watchman. 1.0 - Sphool News. 1.5: Interstate Weather. 1.15: Music. 3.0 : Sehool Broadcast, Musc ApClose. (TPA4 25.6): News in Englen from Paris. 1.45: Recorded Music, 2.45: News in German, B3.0: Close; Ghosts of London." 3.20: Talks by Visitors from the Dominions, 3.85: Violoncello Recital by Helen Just: 3.55: News. 4.15: $10 \mathrm{p} . \mathrm{m}$. DJN 31.4, DJB 19.7 . DJE 16.8 ): muste for All 4.0 : News in German. i.15: More Music for All. 4.55: Grect5.15: to Listeners in New Zealand. Sound Pictures. News in Engisis. 6.30 p.m. (3LR 31.34): Nows, Weather and Market Reports for Northern Australa, 6.45 : Sporting, 75 : 20 : National News. A.B.C. (Sydney) Wireless Chorus, 8.0; Play-The Muiberry Bushi", 9.0: Talk. 9.15: Recital by B, Huberman, Visiting
Vlolinist. 10.0: Melbourne Programme. 10.30: News, 10.45 : Dance Musto. 11.30: Close.
$6.30 \mathrm{p} . \mathrm{m}$. (DJB $\frac{10.7 \text { : A Solo Concert, 6.45; A Light Musteal }}{}$ Series. 7.30; News in German 7.45 : Dally Life in Germany. $8.0: \frac{2}{2} \cdot(1.55):$ Recorded Music. 8.0: Concert featuring Famous Tenors. 9.0 : News and Weather. 9.15: Vlolin and porm. (POJ 19.71); Special English Session for Australia and New Zealand. Happiness Programme. Recorded Music. 9.0: Close, GSO 19.76. GSG 16.8 GSH 13.97, GSJ 13.93): The Forum Thentre Orchestra. 9,10 . Programme of Melodles and Memortes. By Henry Halls Music Makers. 10.0: Organ
Recital 10.45 : The Philip Whtteway Ensembie, 11.30: News. 11.55: Close 19. DJQ 19.6, DJE 16.8): Concert of Light Musle. 10.0: News in English. 10,15: Light Music. 11.0: News In Gorman, 11.15 Little Evening Entertainment, 11.30:
Little German Reader. Midnight: News.
12.0: Glimpscs of Engiah Latera-

Speech, and other Poetical Devices. Mr. J. R. Lyall.
12.45: At Home and Abroad, by The Watchman.
3.30: Judsh anne and her Uncle 3.30: Judith Anne and her Uncle
John. No. 3: Flat Hunting, by Mise m senmer.
5.0: Correspondence School. "Peace or Warti-A Talk on Tnterna-
tional Affairs. Mr. W. McMahon tional
Ball.
5.20: Tiny Tots' Session
5.30: Youmg People's Session, The Valley of Adventure. News introduces his pal. Freddie, and they sing some songs. Goodnight. 6.0: Dinner Musto.

40: The A.B.C. (Melbourne
Wireless Ohorus. (See 2FC.
8.45: Nationai Thik-Aristophanes Tale of The Round Men."-Mr.
H. W. Allen. 2.0. Theital of French Songs. (See
3.20: A Recital by the Budapost String Quartet (See 2FO.) 10.5: A Plano Rectal by vera Brad-
10.40: The National Dance Orches11.25: A Summary of the Day's

3AR esons as Friday, except: Cof From the King's TheatrePaul Daly. Pianist: Mabel Nelson.
30: A B B.C. Recording-The Ceremony of Guard Mounting. Commentary
3.0: A Recital by Signor Yvonne Marotta, Soprano, and Signor Nino-Marotta, Bass. Bass-Cinta de Flovi-Encirclec With Flowers (Bellini). Soprano $\Rightarrow \mathrm{Mt}$ Chtamono Mimi (Puecini). Whispering Zephyr (Ravsin1). Duet La of davem la Mano, from Don Glovannt (Mozart). 5.30: Early Evening Music. 6.0: The Official Weekly Report of the Stock Exchange of Melbourne
15: Countryman's Sesslon,
45: Sporting Session, conducted
AB.C. Commentator.
Nex. Developments in PalesNew Developments in 1
20: National N
8.0: Sundowners' Male Quartet.
8.20: Swing's the Thing,

15: Some Famous Choirs 15: High Water-A Negro Fp!
sode, with Mustc by Mark Make-
ham. Representing in eplsode In the life of Pappy Abraham, Who buil his cabin on the banks of the Musissippi, Featuring 10.0: Interfude.
10.15: News. 10.30: Ctose.

## 2 CO

 6.30: Boe 2BL, 6.50: See 3AR. 9.30: Sce 3 LO . $11.30 ;$ Close. 12.0; See 31 O . 12.35 : News Ser-vice. 12.45 : See 310 . Vice 12.45: See 310. 1.15: See ${ }^{3 .} 3 \mathrm{AR} 1.55:$ See $310,2.0$ Close. 3.0: Sec 31.O. 4.00 Close.
$5.0:$ See 3 LO.
$6.0:$ 10esi
s.0. Soe 3LO 6.0 : Local Seaslon, including Market Reports from Tocal News service 7.40 : See 31:0. 11.30: Close.

## 4 QG

BRISBANE
800 Kilocycles
20.30: The Dilly Rr Friday, exeept: conducted for the Baptist Scrurch by Rev. S, M. Potter.
10.45: North Atistralla from a Woman's viewpoint. Beauty Culture.
12.0: The Coming of St. Augastine. Dramatised by Edmum Barclay. Produced by Dion whecler:
10.45: At Home and Abroad. A News Commentary by "The Watehman.
1.10: From City Hall Community Concert, featuring The A.B.C. (Bristane) Concert Orchestra. with Kathteen. Nellon Burton, soprane) and P. W Cartson (ensoprano) and F.W. Carlison (en-
3.0: Rectal by Edmund Kurtz (cello).
Varlations on a Rococo theme. Op. 33 (Tchaikowsky) Chant now). Gopak (Moussorgsky-Stut-
schewsky) Dance Orientate, Op. 2 No. 2 (Ramimaninots Faight of the Bumble-bee (Rim-sky-Korsakott)
3.45: Afternoon Tea, with The Graysons, A Play for the Microphone, by Kathleen Taylor. Eplsode 6. "Father Buries the Hatchet."
5.15: Chlldren's Sekston for the 5.30: Chlldren's Serial Play-The Valley of Adventure. 5.40 : Uncle Max Entertalns.
6.0: Dinner Music. 6.15: Afr-malls, Late Market Re6.45: Ra
6.45: Racing Antielpations.
2.0; turer in Biochemistry, University of Queenstand, Brainy Familles, 3.-The Haldanes.
7.20: National News Bulletin (V) Recital, by Pezgy Woods (Violin), and Rees Morgan Plano: The Lady and the Nimtingale (Granados). Viom: The Old Refrain (Krelsier). Songs My Mother Taught Mo (DvorakKretsler). Plano: The Two Worlds (Rowley). violin: Pastorale (Morgan), Spanish Dance (de Falla).
8.0: Victorla Regina (See Panel) 8.45 National Talk, by it. W. Allen-Arlstophnnes' Tale of "Tho 0. Viotet Som
9.0: Violet Somerset (Bee 2PC). 9.20 (See 2 FC ) 10.5: The Aibion Male Quartet, with Hilda Woolmer at the Plano. Plano:
(Chopin). Vocal: Sylvia (Speaks), Humpty Dumpty (Atten), Piano: To a Water-lity (MacDowell): of a Taflor and a Bear (Mac: Dowet1), Vocal: Mammy's 11 ' Coal-black Coon (Parks), Sittin
Aroun' the fire (Parks), Plano:

Shadow Dance (MacDowell). The Butterfly (Layallee). 0. 40:- Dance Musle, by The Nattora! Dance Orchestra, conducted by A1 Himmets. 11.25: Weather.

## 5CL

ADELAIDE, 730 Kilocycles

## Main Features:

12.0: Educational Brondeast by Rev, L. B, Bradbury-Homes and Habito- Home life in Papuh, 3.15: Educational Broadeast by Talks-What's the Time? 4.0: The A.B.C, Bridge Club, conducted by "No Trump,"
5.30: The Ohildren's Seaton.
6.0: Dinner Music.
6.40: Agricultural Talk.
7.30: "Victoria Regina"-Scenes from the Lufe of a Queen, by
Laurence Housman Adapted for Laurence Housman. Adapted for Radlo by Leslle Clarito Rees. (See 2FC,
8.15: National Talk by Mr. H. W. Allen-Aristophane's Tale of The
8.30: Recital of French Songs by Woies Somersel, Soprano.
8.50: A Recttal by the Budapest 9.30: From Adelalde-State Pro-gramme-Varlety. with Marie gramme-Varlety, with Marie Browne. Tenor; and Alfred Prowne, Comedian:
10.0: News, Weather Bulletin, and Aviation.
10.10: Dance Musle by the Na tional Dance Orchestra, conduct ed by Al. Hammett.
11.0: Time signal
11.1: Meditatlon Muste-RespightBecond Suite of Ancient Dances, 11.30: Close of Rome.

## 7HO

8.0: Capstan. niversartes.

HOBART
860 Kilocycles
8.1: To-day's An-
8.2: News.
8.7 :

Musical Pyogramme, 9.0 : Close 11.0 to 5.30; As on Monday.
S.45: Strand Theatre Ersslon"David and Dawn." 6.0: Birthdays. 6.15: Dinner Music. 6.30: Jul Jones Racing Talk. 6.57: Strand Reporter.
7.0: New Recordings. 9.0: Sponsored Session. 9.15: Recordings. 10.0: News. 10.5; The In-Laws, 10.20: Orchestral and Vocal Sesslon, 11.0: Close.

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You'll find it In The
WORLD'S NEWS



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## JIY

 [23]YOUNG AUSTRALIA-Recital ALBERT PRESTON, Violin(See Panel)
A Two-Planoforte Recital. - Panel.)

LEAVES OF MEMORY. (See ael)
Interlude ( r .)
THE NATIONAL MILITARY ND. (See Panel.)
Iate News from "The Sun." Weather Information.
Close.
NEWCASTLE, 1230 Kilocyeles
) 9.30: Relayed from 2RL, 3 i1.5: FROM 2 NC NEW. LE STUDIO- Ohat Over the ips, by Celia Starfield.
©11.15: News Service by esy of the Newcastle "MornGerald,"
© 11.30: Relayed from 2FC.
1.25: Relayed from 2FOD
2.0: FROM SRORTLAND WINN'S, Hunter street, TASTIE An Address at the ress Men's Luncheon.
4.0: Relayed from 2FC.

NORTHERN RIVERS,
700 Kilocycles

- 9.30 : Relayed from 2BL
- 11.30 : Relayed from 2 FO . 1.25: Relayed from 2FO, ithon Examizes.
2.0: Relayed from 2FC.
4.0: Relayed from 2FC.
6.0: Relayed from 2FC. 7.35: Relayed from 2BL.
- 11.30: Relayed from 2FO.

र

## CENTRAL REGIONAL <br> 550 Kilocycles

? 9.30: Relayed from 2BL \} 11.30 : Relayed from $2 F O$. t. 1.25 : Relayed from 2 FC . FO . ws Service by courtesy of "Oringe Leader,
2.0: Relayed from 2PC.
4.0: Relayed from 2PFC, 6.0: Relayed from 2FC. i. 70 : FROM 2CR STUDIO inge Stock Market Reports.
11. 30: Relayed from 2 FC .

SYDNEY,
950 Kilocyeles
Sessions as Friday except:
8.30: Randwick Track Imghlights, 10.30: 2UE'S Skin Spectallat.
10.45: Flms and Gossip - Mary Marlowe.
11.15: Mothereraft Talk, by Sister Jacob.
12.0: DESCRIPTION OF THF VICTORIA PARK RACES, EELAYED TO 9WL (WOL. WITH MUSIC
5.0: A Musical Cocktal
5.30: COUSIN MARIE, FDITRFSS OF "SUNBEAMS"
5.30: A Musical Cocktall. 5.45 : Kelth Collins at the Plang, 6.0 Dinner Music. 6.20: Rhythm of To-day.
6.35: Recorded Description of Today's Victorla Park Races, presented by Ken Jolinston. 6.50 : Bright Music.

* 7.0: "THE THIRTEEN WIN DOWS OF THE JADE PAGODA.
7.15: Orchestras of All Nations. 730: News Service, 7.35: Musto We Remember 7A5: Synchromatics, 7.55 : The singing Troubadour. 8.0: Half An Hour from 8.30: Fred Hartley's Quintet B.45:
8.30: Fred Hartley's Quintet 8.45: The Bujou Plano Esteddfod. THE 9.0: "LEAVES FROM THE
OTHFR WOMAN'S DIARY"A B.S.A. PRODUCTION.
9.15: Film Rhythm. 9.35: America Music.
* 9.50: GREAT RACES OF THF PAST, PRESENTED BY ERIC AsHTON.
10.0: Hawalian Moods. 10.15: Nems Service, 10.20: Out of the Band Box.

> 10.30: FEATURE DANCE PROGRAMME, PRESENTED 11.30:Close.

## 2 CH

SYDNEY,
1190 Kilocyclos
Day Sessions as Priday, excent: 10.2: Morning Devotion-Congre-

1 12.10: COMmUNITY siNGivG. conducted by Bob stro. ther, from Crow's Nest.
1.0: From Town Hall-United Intercessory Service.
4.15: The Friendly Tea Party, hostessed by Margaret Herd.
4.55: Chilldren's Sesston, by the Fairy Godmother 5.30: The 6.0: Dad and the Cirls. 6.15 Dinner Muile.


Wh TO THE BAND,
ORICAL, REVUE, (See Panel) J. SPOTLIGHT ON RHYTHM. (See Panel.)
9.40: 2FC CABARET, (See Panel.) 10.40: Meditation Music ( r ). 11.25; Late Cast and late News, 1130 Fore-

## 2BL <br> SYDNEY,

740 Kilocycles
Day Sessions as Friday, except:
4.30: Chat over the Teacups, by NOELILS BRENNAN.
5.30; Musteal Items (r.)
6.5: Services and Riffemen's Ses-
6.15: Weather Report, Stock Exchange Report, General Markets, etc.
6.40: A Summary of the Ram Sales 6. at the Annual Sheep Show.
6.45: BPORTING SESSION-Results and Comments.
WHAT THE TELESCOPE RE
WHAT THE TELESCOPE RE-
VEALS A Voyage Among the VEALS A Voysge Among the 15: Musical It Le BROSE.
7.20: NASTIONAL NEWS BULLEE.
7.30: Local News
7.35: Musical Interlude (5.).

2FC 8.30
TOPICAL REVUE
Clippings from the Weok's Nows in Song, Sketches and Story Writfen by COLIN WILLS. Praduced by RUSSELL SCOTT

## 2FC 9.0

## SPOTLIGHT ON RHYTHM

Presented by
JIM DAVIDSON'S A.B.C. DANCE BAND
Continuity by RUSSELL SCOTT

## 2FC 9.40

"2FC CABARET"
Presented by
JIM DAVIDSON'S A.B.C. DANCE BAND With DOROTHY DAMPIER, Entartainor

Continuily by RUSSELL SCOTT

# HERE YOU ARE <br> MUSIC +++ DRAN 

The New Hit Numbers Fror America
Sunday, 8.45 p.m.


Important Announcement -
2SM'S RADIO REVUE IS COMING ! MO BROADCASTS TUES. WED., THURS. at $7.15 \mathrm{p}, \mathrm{m}$.
6.30: Knisht Barnett at the Burneor Music. 6.50: Weather. C 7.0: "THE IN-LAWs."
7.15: Rlythm Revelry.
7.25: Sally Palge at the Plano, 7.30:
The Harmiony parde The Harmony Parade.
A conducted by Norman Mrop tin. 8.0: "FRED AND MAGGIE
EVERYEDDY EVERYEODY:" featuring Edward Howell and Therese Desmond.
8.12: Boheman Light OrchestraSpring Serenade (Lacombe). 8.15: Stars of the Air
8.30: "CORONETS OF ENGLAND," featuring Campbell Copelin as Henry the Eighth. 9.0: Havana Heaven. 9.15: Trea-9.30:- "The Votee of the Voyager:" 10.0. Soceer Assoclation News. 10 50: Medttatfon and Music. 11.0 :

## 2GB

SYDNEY, 870 Kilocycles
Day resslons as Friday: execpt: Calime." Dothy Vauther-London
12.0: COMMUNITY SINGING from the SAVOY THEATRE. -"PREVENTING JUVENILE DELINQUENOX," Tath under DELINQUENCY." Talk under phical Society.
1.15: Goodle Reeve-Well for Beauty 4 : Aline dood
4.45: Auritie Coodie-Songs to the
Tiny Tots. 50: Childre
y $\mathrm{H}=\mathrm{O}$ Session, conducted Kolleze. 5.35 ; Cbildren's Sension 5.45: The Children's Newspaper. Thousand teagyes under the Sea, Thousara Jeage

* 6.15: TOOTH AND Claw"A B.S.A. PRODUCTION World Varieties.
7.80: "HIGH FREQUENCY"ABS.A. PRODUCTION,
75: Mustc, 7.50: Night and Day fary $8.15:$ FRANK WaTANABE AND WILITAM.
Mrelodies"-A B B A. A. Production Who is Sylvia? ${ }^{\text {th }}$ a. 45 : Speclal 9.0: "LEAVES FROM THE
OTHER WOMAN"S DTAMY OTHER WOMAN'S DARY THE B.S.A. PRODUOTIOXTERRY.
Unsolved Mysterles. 0.30 : History of song. 9.45: Charm 2 GB News Revicw, 10.15: Orkan 2GB Nows Review;
Treasures.
10.30:
Privollties 10.45 Mures. Musio. 10.30: Frivolities.

11. 0 . Slumber Music. 11.25 : News. 11.30 : Close.

## 2UW

SYDNEY,
Day sesstoris as Priday except: Voy Sporting Talk-Proview of Vietoria Park and Caulfield Races. Stirling-- The House of the Seven Gathes.

## 10 and clifford, Arnold. Hilda

 VICTORIA PAEK RACES BY CYRE ANGLES. DELDD RACES BY CAUEBY ERIC 4.50: Olficial Radio Prices, All 15: Children's Seaston. 5.45, Nursefy Rhymes. 5.55: The Talk of 6.0: Gieorke Edwards-"David and Dawis under the Southern Cross," 6.15: Dinner Music, 6.50: Results and Eicctrical Reproductions, Vicforia Park and Caulfeld:Dad and Dave-A George Ed7.30: MRS, ARETS AND MTSD MGGS
7.30: OAVALOADE OF

KINGS"—AN ELHIS PRICE PRODUCTION
7.50: Orehestral Highlights. 8.0 : Rogres Gallery. 8.15: International Celebrities.
8.30: Cleorge Edwards and Nell stirling in The Story of Poccahontas." 8.45: Tumes of the Times. 9.0: Popular PlanistsBily Mayer!. 9.30: Alfredo Campoll and His Orchestra. 9.45: Two Popular Tenors Richard
10.0: FOREIGN AFFAIRS-J. M. PRENTICE.
10.10: Session of the Musio Lover 10.30: Musical Miscellany, 11.0 Cabaret Hour.
2SM
SYDNEY,
1270 Kilocycles Day Sesslons as Friday, except: 2.30: "The Pletortal of the Air"Reading.
3.30: Olntre E, Byrne Talks on Stammering, Backward Chifdre: and Adults.
5.0: Uncle Tom and His Gang. 6.0: Angelus.
6.1: Dinner Session-Dominle Harnett
6.53: True Stories of Modern Heroes," presented by Reg Haw. thorne, 7.0: Music.
7.15: "MO" - AUSTRALIA'S
PRIME MRTH.
7.20: Talk by 2 Sm's Skin Specialist 7.35: Muste, 7.50; Song Recital by Walter Kingaley-Concert Bari-
8.0: 95m'S BALLROOM ORCHESTRA.
8.30: The Grocer and Madame.
Q.0: A Variety Programme, Operatic Gems TWMS 0.45 Musicale 10.25 : When You Ocloek to the End of the Day-Paul Oliver. 10.30: close.

## 2 KY

SYDNEY, 1020 Kilocycles
Day Sessions as Friday except:
9.10: Race Talk-Harty solomons
$\perp 12.30$ : BROADCAST OF RACES from VICTORIA PARKKEX HOWARD.
4.25: Melody Session-John Har-
5.15: Alf of the Alphabet-Chil-
dreals Competitions.
5.30: Dinner Divertissement.
6.20: Debating by Ben Mason.
6.30: Dinner Entertainment-Goodo and Uncle Bert. 6.37: Spot of Fumor, 6.45: Rađio Snapshots.
7.0: Miss Harmony Girl at the Plano.
7.15: Iabor News Commentary.
7.25: Music. 8.0: Overture. 8.5 : 7.25: Music 4sic.

* 8.15: CAVALCADE OF AVIAPLAYERS
3.30: Mustcal Highlights.
8.45: Musfical Comedy and Revue. 10.30: Happy Rour
10.30: Happy Hour-Gerry Hardman. 11.0: Your Pavorite Artist. 11, 15: Variety Music, 12.0;


## $2 G Z$ <br> CENTRAL N.S.W., 990 Kilocycles

Day Sesslone as Priday, except: Wheat and other Cereals. 11.3: The Kitchen of the Air 11.20: Our Household Serap Book: Our Housphold Serap Hospitals' Commission, 1.0: VICTORIA PARK RACE
DESCRIPTIONS, with Musti. 5: British Official Wireless News 1.15: Weather
5.0: Chfdren's Sesston: 6.0: Dinner Muele 6.15: 6. The Grocer Muste continued
8.40: The Magte Carpet 6.45 Dad and Dave 7.0 : Sporting Fesume, 7.15: Music, 7.24 Produce. 7.30: Weather,
THE MAN ON THE LAND.
Leave to Leslic.
8.0

## 2BL 8.0

## YOUNG AUSTRALIA

Recital by ALBERT PRESTON, Violinist

## Romuma Andatuas

(Sarasate)
Pantomime
De Falla

## 2BL 8.30 <br> A TWO-PIANOFORTE RECITAL By ELIZABETH COLEMAN and DOROTHY GIBBES

In Association with NEVILLE BEAVIS, Baritone, two pianos
sonatá in G Major
Mènuietió,
(Johann Christian Bach)
Allegro. Tempo di Menuetio. bartione-
Old Izallan Group-
Tivocastone
The Blornt di Orteo
Presto Presto
(Jacopo Perl)
two planos
Les Nymphies" Guere)
Nocturne Gliere)
Gifere
Danse Popuilaire (Gniere)
BARTIONE
Jacobban Love Lyrics
The Jealous Lover.
Quiler)
The Jealous Lover. Kiss.
The Constant Lover.
Two pianos-
Passepied
(Vumemin)
Serenata
Ritmo
ICasella
2BL 9.5
LEAVES OF MEMORY
Prosentod by ELLIS PRICE. Assisted by PATRICIA MINCHIN

## 2BL 9.30

## THE NATIONAL MILITARY BAND

Conducted by STEPHEN YORKE.

## In Association with

## THE MASTERSINGERS MALE QUARTET

 Band-March-The Mlddy (Altora)
Overture-Plymouth 'Hoe (Ansell)
THE MASTERSINGERS, with Band AccompanimentRed Devon in of Tone: ...... (Coningsby Clarke) Red Devon Carden of Roses
.) (Haydn Wood) BAND-
 Indian Intermezzo-Alsha
Piccolo Solo-The Comet Soloist: Alfred Hole.
the mastersingers, with Band accompaniment-
Sons of the Brave .. .. .. .. .. ..... (Bidgood)
Y1 Abanico BAND-
Suite Surmmer Days
In a Country Lane.
(Javaloyes)

On the Edge of the Lake.
At the Dance.

Evening Musical Programme
8.15: Dunlop Presents.
8.30: A GIEL, TWO BOYS.

AND A PIANO.
8.45: Music, 9.0: Keyboard Kings. 9.15: Charlie Chan. 9.30: The Harmony Twins. $9.40: \cdot$ Muslo, 9.45: When the Organ Plays.
10.0; Novelty Notions.
10.15 : Happy Hoveltyony, 10.30 : Close,

## 2 HD

## NEWCASTLE, <br> 1140 Kilocycles

Day Sesslons as Friday, except: 9.45: Raeing Talk.
11.15: News from Theatres. 12.0 noon: The Wireless Wags. 12.30: Zb and Zeb
1.0: BROADCAST DESCRIPTION OF VICTORIA PAKK RACES.
5.15: Childrea's Session, from Horace. B.0: Dinner Musie, 6.15:

Nuggets from the Golden Age. V.20: Joyster Notes apd News Flashes,
Arris and and Claw, 7.20: Mrs. Arris and Mrs. 'Igs. 7.30; Edmund Breeze in Memories 8.0: "ROGUES GALLERY-
PORTRAITS OE PORTRATTS OF FAMOUS
8.20: Mr. and Mrs. Everybody. 8.30 : Spot of Humor.
Parade $8.40 ;$
9.8 . 8 mith
Parth Parade. 9.0: Smoke Social, 3.15: Pavorite Comiposers. 10.0: News.

2 WL
WOLLONGONG,
1430 Kilocycles
Morning Seasions as Friday, ex-
11.0: Meet the Boys-Bnty Cotton, Harry Roy, Jlm Davidson. Victor Silvester
12. 30: Race Descriptions from Sydney, by Harry Solomons, relayed

## WEDNESDAY

## Continued

6.30: Uncle John Entertains the Kiddies, 7.0: A Spot of Humor. 2.8: Mustc, 7.30; Thriller. 7.45 :
Race Results. 7.50 : Recorded Race Resuls.
Music. $8.0:$ Instramental InterMusic. 8.0: Instrumental Inter8.30: Film Music
9.0-2WL Old-time Dance Session, featuring all the old favorites, interspersed with suitable song
hits. 10.0: Close.

## 2NZ

INVEREL
1170 Kilocycles
Day sessions as Pridsy, except: 3.30: Chimes, 4.0: Afternoon Tea Story 4.30: Melody Land.
5.0: FREDDO THE FROG (SERIAL), FEATURING THE 2NZ PLAYERS. REEF (SERIAL), FEATURING KEN. SPARKES.
6.15: Dinner Music; 7.0 : Vocal
Varietics, $7.30: 2 \mathrm{Nz}$ News Re50 ,
7.50: Leave It to Leslie. 8.0: D.X.
Programma- New Zealand and Mant vowis zeaiand calts and Maori Music. 8.10: A Spot
of Fun. 8.15: Programme of New Dance Releases.

Fenture Recordings.
9.30: A SCOTTISH PROGRAMME.
2.45: Meditation Music. 10.0:

2 KO

## NEWCASTLE

 1410 KilocyclesDay Sessions as Friday, except: 11, 15 : The Travel Letter.

0: IIghts! Camera
Exclusive Session on Hollywood, written and presented by Miss Elma Gibbs and Mr. Tom King.
5.45: Birthday Calls. 6.0: Dinner Music, b.i5: Totiering Van
7.0: Dad and Dave. 7.15: Musle.
7.30 : Cavalcade of Musle. 8.0 : 30: Cavalcade of Music. 8.0:
Love Tales.
15: Watariabe and Willam. 8.30: 8. 15 : Watanabe and William, 8.30:
Melody Lane, 8.45: Charlie Chan. Melody Lane, 8.45:
0: An Over Sydney.

RECITAL 10.0: ORGEN RECITAL
FROM NEWCASTLE CATHE-
DRAL BY MR. T. H. MAS-
SEY.
Close. 10.30: Close.

## 2 MO <br> GUNNEDAH 1360 Kilocycles

Day Sessions as Friday
. Children's Music. 6.3: Serlal slory. 6.15. Birthaty Calts and cheerios. 6.30 : Entertainment News and Bright Muste. 7,0 7.35: Music.
8.0. Tach Beinel mer Metropolls. 9.0 . Hestory, 8,15 Hour. 9.30: Listener-arranged programme. 9.33: Hollywood Review, 10.0: close.

## 2CA

CANBERRA
1050 Kilocycles
12. 30: Luncheon Mustc. $12,45:$ 10, Countryman's session ${ }_{1.15}$ Weather Forecast. 1.20. Close.
5. 30 ; Children's Session, 5.45 : AdTom. 6.0: Children's story. 6.20: Chidfren's Birthday Cheerios. 6.30: What's On in Canberra. morrow's weather.
30: Pinto Pete and his Ranch Boys. 7.45: Famous Dance Bands 8.0: Famous Orchestras. 8,30 Heroes of Psychology Tal.
Keane. 9.0 Instrumental Quar-ter-hour. 9.15: Favorites, old 100: Station Announcements and Close.

## 2 GN

GOULBURN, 1390 Kilocycles 5.20: Entertainment for Tiny Tots. O. Dinnerial Story for Children. from Talkies and Ritz Screen New5. 7.15: Musical Selections. 7.20: Race Results, 7.30: PopuAr Releases. 7.45: The House
of Peter Macoregor.
8.0: Festival of the Bands.
8.30: Songs from the Shows. 8.45 :
Adventures of Charlle Chan. Adventures of Charlie Chan, .0: Famous Waitzes. 9:15: Mus1eal Selectione, 9.30: Topies from the Cycling Track, 10,45 : Popu-
lar Releases. 10.0 : Slumber wruce in: in: olome

## 2TM

TAMWORTH. 300 Kilocycles

Day Bessions as Friday, except
3.0: Story read by John Whit
4.0: Country Women's Association Session.
4.15: Hollywood Tintypes.
6.0: Chndren's Hour. 8.0: Leave it to Leslie, 8.15: Your Eyes. 8.45; Weather and Mar-
ket Report. 9.0 : Musical Pres9.30: Radio Rhythm.
.30: Radio Rhythm. 10.0 : LlsClose.

## 2KA

KATOOMBA,
1160 Kilocycles
Morning Session as Usual. Kiddies' Concert. 6.30: Dinner M.15: Light Music. 7.30 : Aristo. crits of Rhythm
45: Cem of the Evenlng. 7.50. Overture. 8.0: Melodies, Bequest. 8.15: Old-timers' Sesslon.
.45: The Count of Monte Crlsto. 9.0: Digger Session, 9.15. Old$\begin{array}{lll}\text { timers' Pance Music. } & 9.45 \\ \text { Mcdern Music. 10.0: News, } & 10.5 \text { : }\end{array}$ Slumber Music.

## $2 A D$

ARMIDALE,
1080 Kilocycles
Day Sessions as Friday, except; Collsmer 2.30: Health Talk
8.0: Watar Under the Brldge 8.45; Charlie Chan. 9.30 : News, Weather and Market Reports. 9.45: Music Lovers Session 10.10: Slumber Music, 10.27: Tran-
quillity Taies. 10.30 : Close.

## 2GF <br> GRAFTON,

Morning Sessions as usual 30: Wendy, Uncle Col, and Marzaret will entertain the Children. 6.0: Dinner Music, 6.30: Musical Programme, 7.15: The House of Peter MacGregor. 7.40: News. 45: Charlie Chan, 8.0: Theatre
of the Air. 8.30: South Grafton of the Air. 8.30 : South Grafton
Session. $9.0:$ Music, $9.30:$ News. 10.30: Close.

## 2LM

LISMORE,
900 Kilocycles Day Sesslons as Friday, except: 6.0: Dinner Muste with Sheelagh Gross 6.45 : Aristocracy of Rhythm.
7.0: The Whoppers' Club, 7.15:

Sporting Session,
2.45: Request Programine, 8.0 ,
Donald Novis. 8.15 : Health Talk, by Northey du Maurier.
30: Cry Bahy's
3.45: My Baby's Favorites. 9.15: 50; Birthday Calls. 10.0: News. 10.30: Close.

## 2RG

GRIFFITH, 6.0: Children's Session 6.30: Music lovers Pot-pourri, 7.0 : Songs at
the Piano, by Cyril James, $7.30:$ The Plano, by Cyril James. 7.30 : Snapshots of Comedy. 8.30: forte Recital. 9.30: One Hour Dance Progrsmme. 10.30; GoodDand finit

## 2AY

## ALBURY,

12.0: Open. 12.30: News, 1.15: The Music Box. 2.0: Close.
5.30: Children's Session, 6.0: Dinner Musie,
in Australia
in
$7.30:$ Sporting Session, conducted by Mr. Bunton. 8.0: Charlie Chan. 8.30: Bright Interlude. 8.45: The Fiouse of Peter MacGregor, 9.15: The Countryman's News, 9.30: Celebrity Recital, 9.45 : Dance Pro-
gramme. 10,30 : Close.

## ON THE SHORT WAVES

$5.30 \mathrm{a} . \mathrm{m}$. (JZJ 25.42, JVM 27.93): News in Engllah from Tokio. 5.45: Japanese Information Service (Enclish). 6.0 Popular Songs. 6.15: News in derman. 6.30: Close.
5.30 am. (DJD 25.4. DJ, 19.8, DJC 49.8): "A Masked Eall. .0 a.m. (GSB 31.5, GSD 25.5 , GSI 19.6) : The B.B.C. Dance Orchestra (Henry Hall. 19.8: GSB 31.5, GSO 16.8): News. 7.20: "Ot All Days " A Broadcast Revue. 7.50: Talk on
World Affatri. 8.5: Dance Mualc. 8.30: Commentary of Lawn Tennis Champlonships at Wimbledon. 0.0 . Close, .0 mm (JZJ 25.42, JVN 28.14): News in English from Toklo,
$7.15:$ Juzz Songs, 7.37: Japayicse News, 7.47 New Folk Songs. 8.0. Close, DJQ 19.6, DJB 19.7): German Folk Songs. 8.0: Gorman Marches. 8.15 : Hitler Youth Programme. 8.45: News in German, 9.0: A Radio Play, The Volee of Love. 10.15: Sound Pictures. $10.30:$ Lght Musies, GSD 25.5): Nem British Dance Masic. 9.30 : John Londoner at Home:" 10.0 : "Owain Wyn." A Pastoral Poem set to Music, 10 30: Lione News. 11.30; Clooe. Apache, with Carmen del 15 am (DJB 19.7 , DJQ 19.6, DJR 10.56 , DJN 31.4) : News In Engish from Berlin. 11.30; A Littil Radio Scene, "World in German . 12.15 : Solo Concert in 12.45 : Concert of Light
 Commentary on Tennls Champlonshlos at Wimbiecon Planoforte Recital. 12.55: Melody and Rhythm. 1.io: The Ralp Elman Sextet, 1.40: News. 2.0: Close, 1 $12.45 \mathrm{pm} . \mathrm{m}$ ( 3 L 31.34); "At Home and Abroad.", By "The Watchman," $1.0:$ Victorian News. 1.t: Interstate Weather:
1.15: Mrasic. 3.0: Musical and Sporting Programme. 3.30: Sorial Play, $4.0:$ Close,
30 p.m. (TPA4 25.6 ): News in English from Paris.
1.45 30 pm . PPA4 25.6): News in Englush from Paris.
Recorded Muile, 2.45: News in German, 3.0 , Close. Worl $.30 \mathrm{pm.m}$. (GSB 31.5 , GSD 25.5, GSO 19.76); Talk on Worid Affalfs. 2.45 ; At the Theatres. $3.5:$ Edinburgh Castles. A
Feature Programme. 3.55: News. $4.15:$ Recorced Commentary on Lawn Tennis Games at Wambledon. 4.45: Close. $\begin{array}{ll}10 \\ \text { Music staking. } & \text { 4.0: News in Cerman. } \\ \text { 4.15: More Gay Music }\end{array}$ 5.0 : News in English from Berlin. 5.15: Sound Pletures. 5.30 . 45 p.m. (DJB 18.74); Opera, "A Masked Ball." 7.15: Women's Session. 7.30: News in German, 7.45: Press Revew. 8.0: Modern Piano Music. 8.15; Close. for Northern Australia 6.45: Sporting. 7.0: Talk by Prof. A. H. Charteris. 7.20 National Nows. 7.30: Queensinnd Newa Bulletin. 7.40: Short Serial. 8.0: National Military Band. 8.30: Topical Revue News. 10, 10 : Meditation Music, 11.30: Close. World's Fam $7.0 \mathrm{p} . \mathrm{m}$. ${ }^{(3 \mathrm{ME}}$ 31.5): Recorded Musie 8.0. The World's Fam-
ous Orchestra. 9.0 : News and Weather, $9.5 ; 3 \mathrm{ME}$ 's Mall bag. 9.30 : Leading Dance Bands. 10.0: Close.
8.45 p.m. (GSO 19.76. GSG 16.8, GSH 13.07): The B.B.C. Dance Orchestra. 9.15: Talk on Poreign Affalrs. By H. W. Stead 9.30: Song Recital by Joseph Satarino (Maltese Barl
10.30: "All in Pink. forte Recital. 11.30: News. 11.55: Close
$9.0 \mathrm{p} . \mathrm{m}$. (DJB 19.7 , DJQ 19.6, DNE 16.8) : Concert of C.ight
 Midnight:-News, $1.0 \mathrm{pm.m}$. (PCJ 19.71): English session, Happiness Program
Request Records. Greetings to Listeners. $2.0 \mathrm{a} . \mathrm{m}$. Ciose

FOR MISCELLANEOUS SOHEDULES, SEE FRIDAY.

2 Q
7.30: Briphter Mor News, Weather etc 900 close 8.0 News, Weather, etc, 12.0 : Close 12.0:urne Session. 1.10 : Weather 6.0:Ws, ete. 2.0: Close Sporting Commentator $7.0: 2 \mathrm{QN}^{\prime}$ s Musical Moments, 8.0: Overture 8.30: Bendigo Traders' Session, 9.30: News. $9.45:$ New Release
Session $10.0: 2 \mathrm{QN}$ : Session of Sexsion. 10.0: 2QN's Session of
Brighter Numbers. 10.30: Close.

## 2BH

BROKEN HILL
1060 Kilocycles
Morning Sesstons as usual.
5.0; Variety. 5.30: Smilers' Session. 6.0 : Dinner Muslc. 6.30: In Dance Tine. 8.30: Comedy Capers. 9.0 : News, 9.15 : Melody and Song, $9.0:$ Nows $9.15:$
Varlety.
10.0:
Slumber Musid. 10.30: Close.

## 2BS

BATHURST 1500 Kilocycles
Day Sessions as Friday,
5.45: Children's Session, with Unele Jack and Unele John 8.15: News 6.30: Overture. 6.40: Selected Numbers. 7.0: Rlchard Crooks Session.
$\begin{array}{ll}\text { 7.15: Varlety Programme. } & 7.30 \text { : } \\ \text { Old-time Dance Numbers. } & 7.45:\end{array}$

Snappy Dance Numbers 8.30: yocal and I

## 3 LO

## MELBOURNE,

Day Sessions as Friday, except: alre Gangster ${ }^{\text {Pr }}$ by John Wallace resd by Scribe.
10.10: Current Happenings In Sport, by A.B.C. Commentator. 10.30: Weekly Air Man Letter from "What About Dinner?" Muste Readers and Writers-Mrs. Nettic Reacers
Palmer
2.0: The World We Live In-Profcesor A. B. Browne 12.45: At Home and Abroad, by The Watchman.
1.30: From the Rotary Club-Luneheon Speeches.
3.0: Early Stages in German-Mr

Otfo Steiner; (See 2FC.)
3.30: "Khyber" (G.0: Gipsy Idyl.
5.20; Tiny Tots Session,

30: Young People's Session. (S.)
Vnilley of Adventure (M) JotValley of Adventure. (M.) Jot-
tings from the Journeys of Jan. The Emperor's Donkoy An
Hilarious Nonsense Play, by Russell Bavingtone Good-night,
6.0: Dinner Music
7. 40 : (S.) Fly By Night. (See 2FC)
Oht Listen to the Hand. (Seo 8.0:Oh1
2FO.)
8.30: Topical Revue. (See 2FO.1 9.0. Spolaght on Rhythen. (Sce)
9. 40.0 . 2FC Cabaret, (See 2FC.)
10. 40 : Medtration Muste.
${ }^{1} 2.25:$ The Midweek Review of the 3AR MELBOURNE, 630 Kilocycles Day Sesslons as Friday, except: Carmill win decertiberion the Jm pensations Race Mreeting at CoulTriat Hurdle Race, about 2 miles Two-ycar-old Handicap, about 5 furiongs.
Noyse Handicap, about 1 mile. Compensation Handicas, about 1
Welter plate, about 7 furlongs. Welter Purse, about 1 mile $1 / 2$ fur-
S. Wong Eatly Eventng Music.
5.55 Early Steges in Italinin

Helen Byrne, Mr, G. Moriondo 6.15: Countryman's Bession.
0.45: Sporting Sesslon, conducted by A.B.C. Commentator.
O: What the Telescope ReveatoVoyage Among the Stars. Mr. I. Rose.
7.20: National News Butletin. 40: Rectial by signora Yyonne
Maroti. soprano, and Signor Nino Marotta, bass
Soprano-Selve opaca (from WiHasm Teil) (Rosani) Bass Otu Palemro (Verdif. Duet-Se a caso Madam (from The Marriage of Figaro) (Mozart).
80 Indan Romance. An Imace of the East, arranged for Broadcastins anid Presented by James
8.30: The Undiscovered Land, No. 3: The Mountains of the Moon, by C. Tapley Timms. Production, 8.50: Two Planos, Two Votces.

## Continued

Eheanor Olapham and Phyms Batcheldor, Norma Darroch and Aline Darroch.
Two Voices Irish Lillaby (Alec) Rowley) The Grogse and the Motis imartin Shaw, All in this Pleasant Evening (Alec. Rowley). Two Pianos-Sonatac for Two Pipnos in D Major (Mozart: Allearo con spirito, Andante, Alespo Moito, Two Voices Spring
Wind
(Eric
Thtman) Robin in Wind (Eric Thiman), Robin in Evo Wintet (Geofrey Shaw). 20: Orchestral Concert by A.B.C. (Meibourne) Concert Orchestra. conducted by Joseph Poot.
Symptany No. 99 in E Flat Major (Haydn).
Symphonic Poem, Tasso (Lizzt), Lamento e Triompho.

## 10.0: Intorludd $10.25: \mathrm{Nems}$

2 CO
6.30: See 2BL, 6.50 Sce 3LO 11.30 ; Slo 3AR. 9.30: 12.0: Sce 3L.O. 12.35 : News Service. 12.45: See 310 . 115 : See 3AR, 1.55: See 31: 20 : Close 3.0: See 3LO, 4.0: Close
5.0 : See 31 O , 6.0 : Iocat Session, including Market Reports Albury. 6.15: See 3AR. 7.35: Local News Eervice. 7.40 : ${ }^{7.35:}$ 3L. Ne. 11.30 : Olose.

800 Kilocycles
Day Sessions as Priday, except: 10.30: The Daily Broadcast Service conducted for the Congregatlona 10.45: The London Perctval Watson. 11.45: The London Leeter. 11.10: Talk by Mrs. Florence Cal12.0: Broadcast to Sohoois, The World We Live In.
12.45: At Home and Abroad. A Watchman'" Comentary by "The

During the afternoon, descrlptions will be given of the Rook. hampton Jockey Club's Carnival arettmg (Thtrd Day)
Albion Park race reoults.
5.15: Children's Session for the Tiny Tots, 5.30 : Chlldren's Serlal Play-The Valley of Adventure. 5.40: "Gus Gummy-nose and Rickety Ringtall." Cap and Bebe
6.0: Dinner Music,
6.15: Ar-mails, Late Market Re7.0: Talk by $\frac{\text { R. L. Besults. Brose, D.Sc. }}{}$ 7.0: Talk by H. I. Brose, D.Sc,
What the Telescope Reveals. A What the Telescope Reveals. A 7.20: National News Bulteth
7.20; Nattonal News Bulletin,
7.40: Ny By Night (See 2FO)
7.40: Thy By Night (See $2 F \mathrm{FO}$ ).
8.0: The National Military Band (See 2 FC ), 良 8.30: Toplcat Revue (Bee 2FO).
9.0: Spotlight on Rhythm (See 2 FC ) , Rothen on Rhythm (Sec worth (See 2FO), Mr , Rigr10.5: Rectal by Edmund Kurts Prelude. Fuguette, Pompe Funebre. La Champs Blanche, Habenera (Ravel). Menuet (Debussy). Stchlenile, Op. 7 (Faure). Allegro Spiritoso. (Senalle).
10.30: Medifation Music.
11.25: Weather. News. 11.30: Close.

5CL
ADELAIDE,
730 Kilocycles
Main Peaturen:
1.30. Nattonal Broadcast to Schools -The world we Llve mit A Talk G. S. Browne Atratry. by Protessor G. S, Browne, 11.45: Mustc. Dering the getemoon, Rielnt Services from Tailem Bend and Caulfield Compensition meetmith will be provided, interspersed with Muste from the Studlo. 4.30 (approx): Close.
5.30: The Children's Session. 6.0: Dinner Muale.
6.15: The 5CL Bluebird Club.
6.30: National Talk by Brose: What The by Dr, H, I. veals-A voyage Among the Stari.
2.15: Defence Notes, by Coptain C. H. Fidock: A Day In Catup
8.0: Topical Revue Cllppings from the weeks rews, in 5 ches, and story, writen by Colth wills. Prodiced by russen Scott (isee 2 FFC , ) sented by JIm Daric Dance Band, Continulty by Rut-
9.0: Weather Bulletla and An.5: China and the Chinese-An Intimate Talk by a Former Brit thh Resident, DE. A. McDonald 20: A Recital by Victorla Ander: son and volis wrorts, Voch
9.50: Royal Opera Orc̈hestra, Covent Girden: Bermamaica (Res. pleth). Danza Rustica (Res10. phivims, Weather Bulteltn, and 10.10: Herman Pinck-in Stave and 10.30: Varlety, wth Marle Breminer, soprano: Herbert Brownie, Tenor: and Alfred Frith, Come11.0: Time Signal. 11.1: Mecilta${ }_{11}^{\text {tion Music. }}$
7HO
HOBART,
860 Kilocyclos
8.0 to 1.0 : As on Monday.
1.15 to 2.0 : community singing from Town Hill Hobirt, ProFund , An an

## 3.0 to 5.30 ; As on Monday.

5.30 to 6.301 Onildrea's Concert7HO Radio Club, from sirand Theatre, Hobart $8.30: \mathrm{Jul}$ Jones Racing Talk 8.5 s. strall Reporter. 7.0: New Releases. 2,15: Sponsored sextion. 7.30 8.40. Hit of the Week, e.0: MuslCal Comedy. 915: Trie whe Tales 9.30 to $10.0:$ one Mares Family 10.0: News 10.5: Dince Recordings. 11.0: Mlone.

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## Stings of my heartity

# THI RSillay 

## 2FC

Oay Bessions Fio Kilocycles Day Sessions as Friday, except:
10.30: THIS WEEK'S COOKERY TALK.
0.45: Murlel Watt will speak on 12.0; PRIMARY- FISTORY Dr, $\mathrm{O}, \mathrm{H}$, Currey, M.A, Sydney
Teachers Coachers Coliege, and Mr, P, B. Demonstration Sehool, North Newtown, will glve: A Chat in 1751 between Two Clerks In the Madras Office of the East Incia Company
12.45: AT HOME AND ABROAD. A News Commentary by THE WATCHMAN,
1.35: Track Work and Saturday's
Acceptances by the A.B.C, Racing
Commentator. 0: SECOND.
3.0. SECONDARY-FRENCH, LESSON S-Mms, Henri and Dr. L. 3.45: J. Howlett-Ross

HENRY LAWBON AND H1S
5.0: Musical Items ir.)
5.20: Tiny 'Tots' Session
5.30: YOUNG PEOPLE'S SESBION. THE VALLEY OF ADVENTURE, A Story of the Far North of Australis, by E. V. Timms,
5.40: THE POTTERS OP POTTB. VItむs-Presented by Tal Ordell and Roban, Bryson, and Pat.
6.0: Dinner Musio (r.),
7.40: OUR HERITAGE OF SONG. (See Panel.)
See Panel)
Jeux de Plein Air . (Tallaferre)
piece in Minor Piece in D Minor Caprice
(Ropartz Prancalse ... (Shmilip)
8.30: BLIND MAN'S BU゙YFER. (See
9.5: A CONCERTO EXPLAINED 9.15: BRONISLAW HUBERMAN (See Panel)
10.10 SPECIAL RECORDED SESsion. (See Panol)
10.40. Diance Mutic by Jm David-
 and Late News, 11.30: Close.

## 2BL

SYONEY.
740 Kilocycles Day Sessions as Friday, except; 1.i0. ACROSS AMERICA BY CAR
 conoorimy farme wid thee in A ymo ramene
(Bach) three Impromptiis
(Watling)
No. $\frac{1}{2}$ in (Coleridge-Taylor)
 MARIE BROWN, soprano. Duo-
Lezence
SOPRANO-
A Sheepfold
The Lullaby Trees .. (M. Monald Besly) Little snowdrop
The Isle of Innesfree Stanford) Laughter (Ramsay Pennleutck) Dunlsh
spanish Dance No. \& (Sarasate) panish Screnade
Barearolle (Piano sode-Krelster SOPRANO (Tschalkowsky)
Whene'er a Snowflake Leaves the Sky (Thra Lehmann) Husheen Husho (Evelyn Sharpe) The Bubble Song (Martin Shaw) DUO-
Pollchinello.
My Heart's Delight © (Krelster Largo from New World Symphony 3.45: THE COMMODORE GRAND Musteal Clock of Madame de Pompadour:


2FC 7.40
OUR HERITAGE OF SONG Presented by CLEMENT Q. WILLIAMS, Baritone Nature and I (First Performance) As Ever I Saw
Jenny and the Golaismith The song of sappho
Eight OClock

TWO PIANOFORTE RECITAL

## FRANK HUTCHENS and LINDLEY EVANS

Jeux de plein Air
Plece in De in
Tallaterre Caprice
(Roparta) (Philitip)
(Schmit)
$\frac{\text { SUCP }}{\text { Francalse }}$ SU 2 FC 8.30
BLIND MAN'S BUFFER

## Written by EDMUND BARCLAY

Way dia Eatith pasco not destre her husband to

 What part does the mysterlous Loulse Lascolous, popuinr novethst, play in this numan drama of misunderstanding. A surprise cilmax answers many questions. THE HUSBAND-THARAOTERS: WME DOCTOR-THE Production: LaWREENOE H. CECCL 2FC 9.15 FROM THE SYDNEY TOWN HALL

## CELEBRITY CONCERT Foaturing <br> BRONISLAW HUBERMAN

THE SYDNEY SYMPHONY ORCHESTRA
Conducted by PROOPSSOR BERNARD HEINZE PR.OM Conecrto Non Troppo. Adaglo. Aliegro ćlocoso, Ma Non
Troppo $\quad 2 F C 10.10$
SPECIAL RECORDED SESSION
 Das Ringlein-The Little Ring tion to the 'Dance (Weber) Marcel moyse, Flute Solo-
Fontatite Patitorate-Hongrolse
(Dopplet, Op, 26)

JAN KIEPURA, Tenor-
You, Me, and Love Calling You.
My Hear s Alwayi HADOO PANSAY
HAROLD RAMSAY, Organ-
Famous Tauber Melodies.
4.10: VERSE GRAVE AND GAY

VIrginis (zerd Macmulay)
ARTHUR GREENAWAY.
4.30. ARAT OVER THE TEACUPS

30: Musical Tandon Letter)
5.30: Musical Thems ( f ).
6.0: Model Aeroplane
conducted by
Wession conducted by "Wings: 6.15: Weather Report, Stock Exchange Report, General Markets, 6.40:
6.40: A Summary of the Ram Sales 6.45: WOMEN' Wh SPORTING SES-SION-conducted by GRAOE JOHNSTON:
a.55: SPORTINO SESSION-Results and Comments.
7.0: TALK-K. B, Mack will speak on "Lopging in Britlah North Borneo,
$7.20:$ NATIONAL NEWS BULLETTN. 7.30: Local News.
7.35: Musica! Interlude (r.) $\quad$ FURTHER EXPM ANATONG

FURTHER EXPLANATIONS
OF THE RULES.OP GOTF
OF THE RULES. OP GOLF-A
7.50: Mustcal Interlude if.) TAGOLE

GIPsiss, (See Panel.)
8.25: Interlude (r.)
$8.30:$ JUDITH ANN AND HER UNCLE JOHN,
8.45: SWINGS THE THING (r
 MENTAL TRIO. (Sce Panel.) 10.10: LATEST RRLEASES (r.). 10.39: Weather Information.

## 2NC

## NEWCASTLE,

 1230 Kilocycles6.30 to 9.30 : Relayed from 2 BL ,
 CASTLE STUPIO - Chat Over the
 Courrey of the Newcastle "Morn-
Ing Herald," 11.15 Herald,": Retayed from 2 FC . 12.0 to 2.0 : Relayed from 2 FC . 3.0 to 4.0 Reayed from $2 F \mathrm{C}$.
5.0 to 11.30 : Relayed from 2 FC .

## 2NR <br> NORTHERN RIVERS,

700 Kilocycles
e.30 to 9.30 : Relayed from 2BL 9.30 to 11.30: Relayed from 2FO.
12.0 to 1.25 : Relajed from 12.0 to 1.25 : Relayed from $2 F \mathrm{~F}$, "Grafton Examiner."
1.35 to 2.0 : Relayed from 2FO,
3.0 to $4.0:$ Relayed from 2 FC . 5.0 to 6.0 : Relayed from 2 FC . 6.0 to 6.25: 2 NR Studio-Militia 6. 15
7.35
to $7.35:$ Relayed from 2BL.
2F 7.35 to 11.30: Relayed from 2 FC . 2CR CENTRAL REGIONAL 6.30 to 9.30 : Relayed from 2 BL . 9,30 to 11,30 : Relayed from 2FC 12.0 to 1.25 : Relayed from $2 F 0$, 1.25 to 1.35 FROM 2OR STUDIO -News Service by courtesy of the "Orange Advocate, " 2 FC 3.0 to 4.0 : Relayed from 2 FCC . 5.0 to $6.0:$ Relayed from $2 F \mathrm{CC}$. 8.0 to 11.30: Relayed from 2FC.

## 2UE

SYDNEY,
950 Kilocyclos
Day Sessions as Friday, except
Y Rustell and Morian.
8.30: Randwick Track Highlights.
12.30: "poultry"-Talk by Mr. C Honeyfield.
1.30: Acceptances for Randwick. \$.0: A Musteal Cooktall. 6.0: Din-
ner Muste.
6.20: Rhythm of To-day. 6.30 Snapshots of Sport. 6.45: Dinner Music.
7.0: "The Thirteen Windows of the Jade Pagoda." 7.15 : Orchestras
of All Natlons, 7.30 : News Serof All Nations, 7.30 : News Ser-
vice. 7.35 : The Singing Bales-
\& ODO THE REPORTER OF The singing. Nex Tunes For old 8.10 : Friend In Need 8.15: Buid Fictic Home. 8.30:- Comedy Interlude 8.45: Gilbert ind Sutlivan-Princess

9a and Iolanthe,
9.0: THE
RANDALL FAMILY.
The Boston Promenade Or 9.30: FROM OUR STANDARD RADIO LIBRARY
Out of the Band Box, 10.15:
Ws Eervice 10.20: Music.
10.30 FEATURE DANCE 10.30; FEATURE DANCE
PROGRAMME, PRESENTED BY KENNETH FOWLES. 11.30: Close

2 CH
SYDNEY,
Day Sessions as Friday 1190 Kilocycles 10. 2: Morning Devotion-Adfutant 11.30: Our Kidner,
11.30: Out Legally Qualifled Medi-
on Practitioner will give a Talk 12.10: COMMUNITY SING-
ING, conducted by Strother, from Hurstville. 1.0: From Pitt Street ConzregaSlonal Church - Communti Praise Service.
3.0: JUNE AND JOAN PRE
SENT "A TEA TIME REN. DEZVOES."
3.30: A DICKENS READING.
BY A. S. COCHRANE BY A. S, COCHRANE.
4. 55 : Chlldren's Sesston, by the
Fairy Codmother Fairy Godmother, 5.30 : The
Hello Man's Children's Session Hello Man's Children's Session
6.30: Knight Barnett at the Bur-
6.30: Knight Barnett at the Bur-
wood Cinema Organ. 5 , 45: Dirner Mualc. 6.50: Weather. Din7.0: Comedy club, compered by Edward Howell. 7.10 : Rhythm Revelry, paige at the piano 7,30 . The Harmony Parade
7.45: OSCAR LAWSON PRE.
SENTS "BITS AND PIECES. 8.0: "FRED AND MAGGIE EVERYBODY," featuring EdWard How
Desmond.
8.12: Marek Weber
3.15: Start of the Alr, 8.27: Al-
bert Sandler.
bert Sandler.
30: Metropolitan Coronntion Finteddfod. 8, 8,45: Five Minute Mystery, 8.50; Night and Day.
9.0: Treasure Trove in Tane
1.0: Treasure Trove in Tunc.

SKI, Violinist; LURLINE
FLEMING, Soprano: and
ist. HOKIN. Accompan-
9.45: SCOTTISH REVERIE, conducted by John Davis. 10.0: "Mr. Weary and Mr. Worn,"
featuring Edward Fowell and Ie Warton. 10.15: Rendezvous with Rhythm. 10.30; Ronald Marston Bt the Fullerton Memorial Organ. 10.50: Meditation and Music. 11.0: Close.

## 2GB

SYDNEY,
Day sessions as Friday except: Russell and Rex. Morsan
9.15: A Talk by Mr. Rlehard Want,
$\star$
iL. MISS DOROTHY FARR
WESHE WORK OF THE FAR
WES SCHEME, Talk under the auspices of the Far West Children's Health Scheme.
12.45: Housewives Session-Mrs. ${ }^{\text {Ruby }}$ Duncan. de Dion - The Astrologer
Lunchicon seasion, conducted by J.45: Radia Limsdaine.

C $4.15:$ MISS BETTY KEEPFASHIONS AND CLOTHES," 4.45: Auntie Goodic-Songs to the
Tiny Tots.
5.0: Chidren's Session, conducted
by Uncle George. 5.30 : Krazy

Kolliege. 5.35: Children's Session continued.
6.0: Terry and Ted. 6.15: Twenty Thousand Leagues under the Sca, 6.30: Snapshots of Sport-Mr. Oncar 6.45: "Plickwick Papers"-A B.S.A.

15: True Life Tales. 7.30; "High Frequency"-A
B.8.A.A. Production
7.45. Musle.
8.75 . Modes and Fashions of the Moment,
8.15: Frank Watanabe and Wmiam 8.30: House of Dreams-Drodion - "Feanut Vendor." 8.45: Words and Musie. $9.0:$ CHARM OF THE ORIENT FEATURING REG. MORGA
 FUNNY STORY SESSION.
Wide Range Orchestras and

## * 10.0: 2GB NEWS REVIEW

10.15: Hits and Encores.
10.30: Privolities. 10.45: Muste 11.0. Slumber Muste. 11.25 : News.

## 2UW

 Day sescions as Friday, except: 9.30 : Track Gallops.George Edwards and Nell
Stiring, in "House of the Seven Gables,"
songs at the Plano-Vernon
10.30: WOMAN'S MAGAZINE OF THE AIR ACTION.
RADIO PRODUCTION
1.30: Acceptances for Randwick Races. Description of Waterloo Cup at Rooty Hill-Cyril Angles.
152 4.15: Miss Mandola, Banfo. sery Rhymes. 5.55 : The Talk sery Rhymes.
the Town.
6.0: Goorge Edwards-"David and Dawn under the Southern Gross"
6.15 : Dinner Mrualc 6.30 . Tea 6.1s: Dinner Music. 6.80 Musa Dad and Dave-A George Edvards Production.
Mr, Hardie and Mr, Rubber
7. MRS, MRR AS AND MRS. MRS.
IGGS.
30: "The Elusive Baronet"-A
George Edwards Production Light Orchestral Music. 8.0: Hot Shots of Harmony. 8.15 : Syn-
chromatics. 8.25: The Hit of the Week, Eeorte Edwards and Nell 30 George Edwards and Nell
Stirling- The Story of Poceaontas": GARDENING TALK-S. H. IIUNT.

Debroy Somers Band.
$9.15:$ WHERE TO FISH-ME. OsCar lawson.
Recordings by Radio Stars.
9.45: Comedy Cameos. 10.0: EngIlsh Dance Bands. 11.0: Musical Miscellany, 11.15: American Dace Bancs.

## 2SM <br> FYDTAEY:

1270 Kilocycles
Day Seasions as Friday, except: R.0: Unelo Tom and His Gang. 6.0: Angelua. Session-Dominio Hat 6.1: Dinner Session-Dominio Har6.30: To-day's Poultry Market and Report M. Hennessy, 6.45: Music. 2.15: "MO"-AUSTRALIA'S
FRIE MIRTH.
7.30: A Talk-"This Age of Plenty,
7.45: Carmen Bowman and Bil 8.01 Thursday Nieht is
8.0. The Orocer and Madame.
9.0: "IN TOWN TO-NIGHT" WWITH JOHN DUNNE IN. TERVIEWING THE CITX'S
PERSONALTES
9.45: "They Made These Famous"

- Compere, Father Meany. 10.25: When You Come to the End of the Day-Paul Oliver. 10.30 :


## 2KY

## SYDNEY,

 1020 Kilocycles9.15: Race Talk-Harry Solomons,

L0: FROM EMPIRE THEATRE - COMMUNITY SING-ing-syd. Harnes, Restles, huge Programme of Novelties.
1.30: Acceptances-Ken Howard.
5.25: Melody Session-John Harper 5.15: Alf of the Alphabet-Ohil8.30: Dinmer Divertissements. 6.30 : 8.30: Dinner Divertissements. © 6.30 Dinner Entertainment - Coodo Humor. 6.45 R Radto Snaphots. 7.0: CXCLNG rOPICS CLAUDE SPENCER.
7.15: Labor News Commentary, 7.25:
Muslc. 7.30 : Dince Musle of the Music
Day.
8.0: Overture, 8.5: Musto, 8.30: 9.30: ACCORDEON SESSION -JOHNNIE MAETELI and GORDON OURERE.
10.15: Radio Rhythm. Gerry Hardman. 11.0: Your Favorite Artist.
11.15: Variety Mosic. 12.0 : Close.
$2 G 7$ CENTRAL N.S.W 990 Kilocycles Day Sesslons as Friday except: 6. 50 : Producers' Service Session11. 5 - The Klleten of
11.5: The Kitchen of the Atr. 11.20 : Our Household Scrap Book. 11.35:
11.45: Mr. Laffin, Btate Presldent of the Parents and Cittrens' AEFice Session.
3.40: FRIENDS OF MINE.
3.55: Music of Yesterday,
Golden Harmony $4.108:$ The Plotorial of the Air. 4.40: Quiet Time:
4. B0: Tiny Tots' Session. 5.0: Children's Session. 6.0; Dinner 6.is: "THE GROCER AND MADAM.

## Muste,

6.30: Dinner Muste, continued. 5.45: Dad and Dave, 7.0 : Rac-
ins, Fnals-Talk. 7.15 : Muaie. 7.24: Produce. 7.30: Weather. 35: Homebush and Newcastle
Stock Sales. 7.50 : Leave It to

8.15: DUNLOP PRESENTS 8.15: DUNLOP PRESENTMAL
$8.30:$ THE SMOKE SOCIAL OF THE AIR
8.45: Dramatic Moments

Feature Artion 9 -10 9.15: Charlie Chan. 9.10: Music. 15: Charliee Chan. $9.30:$ Rhythm
of the Ranch. 9.45 Music. 10.0 : Gallery of Fame. 10.15 : Rhythm

## 2 HD

NEWCASTLE,
1140 Kilocycles
Day Sesslonis as Friday, except; Air. 11.0: Serlal Story, 11.30:

\section*{2BL 8.0 <br> the raggle taggle gypsies <br> Volga $\begin{aligned} & \text { Tango Argentíno .. } . \text {.. .. ... ... ...... .. ... (Leopold) } \\ & \text { (Llossas) }\end{aligned}$ <br>  <br> In the Realm of the Gipsles .. .. (Arr, by the Leader) <br> 2BL 8.30 <br> JUDITH ANNE AND HER UNCLE JOHN <br> 2BL 9.5 <br> VARIETY! <br> HALF AN HOUR OF NON-STOP VARIETY <br> NEWS REELS, SINGERS, COMEDIANS, SKETCHES AND <br> CRAZY SYMPHONIES <br> Confinuity: COLIN WILLS. Production: RUSSELL SCOTT <br> THE SERENADERS' ${ }^{2 B L} 9.40$ <br> 

Mothercraft Session. 12.0 noon: The Wlreless Wags. 12.30 : Eb
 1.30: Arternoon Musicale 4.30 :
Modern Masle 5.15 : Childrea's Modern Masic. 5.15: Children's Session. 5.35: Joy Club Sunshine Ship. 5.40: Jack and Snowy, 5.45: Dinner Muale, 6.15 : Lec-
ture Dioyalty\% ture- Hoyalty," 6.20: Joyster
Notes and News Plashes Notes and News Flashes.
${ }^{0 .}$ Ace of Dlamonds, 7.20: Mrs. 7.30 : Arris and Mrs: 'Iggs,
Motorieties.
$7.45:$
Sporting Review.
tew,
S.0: HOT SHOTS OF HAEMONX.
8.30: Synchromatio Memories, 9.15 : Cayaicade of Kings. 10.0: News. 10.30: Close.

## 2WL WOLLONGONG 1430 Kilocyeles

Morning Sesstons
as Friday.

Morning 30 Overture. 6.40: Hecorded Musie, 7.0: A Spot of Humor. Highlights, 7.30 : Thriller, 7.45 :
 Stories of the Stars, 8.30 : Land of Jaza, 8.45; Recordings.
9.0: The silver Screen-A Talk by M1ss E, Churcher, 9.7 , Muslo. Rhythm. 10.0: Close. 2.3: Radio Note:-Results of the Dapto Greyhound Races throughout the evening.
2 NZ
INVERELL
1170 Kilocycles
Day sessions is Friday.
3.30: Chimes. 4.0 : Talkle Toples. 0: Gifts of Melody.
5.0 FREDDO K.E: FREDDO THE FROG (SERIAL), FEATURING THE 3NZ PLAYERS.
5.45: JACK STRONG'S GOLD REEF (SERIAL) FEATURING KEN. SPARKES.
6.15: Dinner Musio. 7.0: Something socan $20.30 \mathrm{NZ}^{2 \mathrm{Nz}}$ Netrs Review. to Happiness 10 Lexlie, 8.0 : Steps the New Relenses, 8,30: The Hill Bily Trati. 8.45: Some Old and New Dance TLnes, 0.1
tone, Banjo and Baso.

- 9SO: THE MERCHANT OF
9.45: Sandman's Serenade. 10.0 .


## 2 KO

NEWCASTLE,
Day Sesatons as Friday, except: 7.45: Breezing Through Britain. 8.0: Komedy King 0 om.
0.30: Half an hour of Quiet RePeter.
0.15: Oheerio Club. 10.30: Grans: 30: Llghtst Camera! Action!-An Exclusive Session on Hollywood, written and presented by Miss Elma Gibbs and Mr. Tom King. S.45: Birthday Calls, 6.0: Sports: lights-Allan Webber.
6.45: The In-Laws.
6.45: The Croonaders. 7.0: Dad and Dave, 7.30: Rhapsody in 8.15: Watanabe and Willam. 8.30: Melody Lane. 8.45: Charlie Chan. Rented by Uncle Peter. 10.30 . 10.35:1 Good-night Melody, 10.30:

## 2MO GUNNEDAH. 1360 Kilocycles

Day Sessions as Friday. Story, 6.15: Bisthday Calls and Noeerios, 6.30; Entertainment Nows and Bright Music. 7.0 : Music 7 30: Stock Sales. Light .0: Donald Novts in The Romance of Music. 8.15: Music. 9.30: Ace Lstener-arranged Proramme. 9.31: Weather. 10.0 : lose.
2CA
CANBERRA,
1050 Kilocycles 2.30: Luncheon Music. 12.45: Horoscope Reading. 12.50: Music. 30: Chlldren's Session, 5.45: Adventures of Angeline, Ben, and ventures of Angeline, Ben, and
Tom. 6.20 : Chlldren's Birthday Cheerios. 8.25 : What's on in Cheerios. 6.25 : Dhaner Music. 7.0: Tennis Talk. 7.25: To-morrow's weather.
Poyinto Pete and his Ranch Boys. F.4S: Famous Dance Bands, Jack and Joe Competition, 9.0 : Famous Orchestras. 9.15: Instrumental Quarter-hour, $\quad 9.30$ Relaxation Musle, 10.0: Station Announcements and Close

## $2 G N$ <br> GOULBURN, 1390 Kilocycles

Day Sessions as Monday. 5.45: Sertal Story for Ciny Tots, 5.55: Serial Story for Chaldren. from Telktes and pits Screen
News.
7.15 : Relligious Address. $7.30:$ Masical Gems, 0: Celebrity Programme of Fa-
mous Artists, 830 : Health Talk. 8.45: Adventures of Modern Dance Mustc, 9.30: Toples from Bowling Green. 10.0 : Slumber
Musie Muste. 10.30: Close.

## THURSDAY

2TM
TAMWORTH. 1300 Kilocyclos
Day Sessions ns Priday, except: 10.15: Mothercraft Session.
1.30: Flemington Sales Report
3.30: Story read by John Whitmore.
5.0: Children's Hour.
6.0: Dinner Muale. 6.30: Popular M.0. Racin

Musicing Final-from-3GZ. 7.15 :
O. Racing Eyes. 7.45 : Popular Music.
8.0; Eeave it to Leslie. 30 : Featur
8.15; Health Talk. Propramme. 8.45: Weather and Market Report.
9.0: The Green Jor.
9.30: Radio 9.0: The G
10.0: Llstener-Arranged Programme.

## 2KA <br> KATOOMBA 1160 Kilocycles

Mornings as usual.
6.0: Graham, George and Pam. Musio, 6.45: Frank and Archie.
7.0: Racing Final, 7.15 : Songs and M.45: Light Music
4. $\begin{aligned} & \text { 8.0; FROM K ATOOMBA } \\ & \text { TOWN HALE, COMMNSTY } \\ & \text { SNGNG, CONDEMED BY }\end{aligned}$ SINGING, CONDUCTED BY
GEOKGE FOSTER, WITH WHAGKO SHAND
8.45: Count of Monte Cristo, 10.30:

$$
0 .
$$

2AD
ARMIDALE, 1080 Kilocycles
Day Sessions as Fidiay, except: No Devotional Sossion.
6.0: Dinner Music and Birthday 7.30: Dance Musto. 8.0 : The 2 AD Amatear Half-hour 8.45: Charlle Chan 9,30 : News, Market and Weather Reporis. 9.45: Music slumber Music. 10.27: Tranguility Tales $10.30:{ }^{\text {to }}$ Crefghton. by Jolan

## 2GF

GRAFTON

30 to 830 : 10 sion. 12.0: Wenther and Markets, 12.30: Musie, 1.15: Musical Hos. $1.40 \%$ News. 2.0 Close. 30: John and Margaret wil en-
tertain the Chtidren. 6.0 Dinner Music, Charlile Chan 8.0 . Talk on Stary Bowket, Clise

## 2LM

LISMORE,
raer-Molle
6.0: Dinner Music, with Sheelagh 6.45: Douglas Does It.
7.0: Chandu
7.15: Sportlag Session.

45: Musical Stories, 8.30: Charlie
Chan 9.45 : Radio Dance Pro ramme 9.50: Birthday Greetings. 10.0: News. 10.30: Close.
2RG GRIFFITH.
1470 Kilocycles
6.0: Chifdren's Session. 6.30: Musio Lavers Pot-pourri. 7.0: Soass at Market Reports. 7.45 ; Local News. 9.30: One Hour Dance Pro-

## ALBURY.

1480 Kilocycles
12.0: Open, 12.30: Nows. 1.15: The
Musto Box. 2.0: Close. Music Box. 30 The Children's Session Dinner, Musfe 7.30 ; Sporting Bunton, conducted by cleaver Buntor, 8.0:cerning Men. 9.0 : The Tron Horse 9.15: Countryman's News. ${ }^{\text {at } 2 \mathrm{AX}}$. 10.30 : Close. W
2QN
DENILIQUIN, News, Weather, etc, 9.0: Close,
12.0: Luncheon Music. 12.30 :

Ehuca Traders' Session News, Weather, etc. 2.0 : ciose. 0 : Chlldren's Sesslon. $\quad 7.0: 2 \mathrm{QN}$ : Sporting Commentator 7.25 : News. 7.45: Goodwill SessionMoving Stories of Life. $\quad 8.0$ : Bourke Street Session.
Sporisored Sesslon
9.30: Sporisored Session, Eirinabeth Etreet Session 10.0: $2 \mathrm{QN}^{\prime} \mathrm{s}$ Session of Brighter Nimbers. 10.30 : Close.

## 2BH

BROKEN HILL,
1060 Kilocycles
7.0: Early Morning Melodies, 7.15 News, 9.0: Close.
12.0: Luncheon Musle, 1.0: HapplDess Sesston. 2.0: Close.
5.0: Children's Session. 5.30: Varlety. 6.0: Dinner Musle. 6.30: Nems.
15: Sporting Highllghts, 7.30 : Medley. 8.0: Excerpts rom 9.0: News. 9.15: Plano Accordeon Hits. $9.30:$ Magazine of the Alr. 9.40: Dance Time. 10.30: Close.

## 2BS

BATHURST,
1500 Kilocycles
Day Sessions as Friday.
5.45: Special Session for Children 6.15: News, $6.30:$ Band, 6.45 :
Sandy Powell. 7.0 : Victor silvesSandy Powen . .1. Paul Roberon.
30: Oid-time Favorites. 7.45: Variety Programme. 2.30: Dance Programme. 9.45: Meditation Music. 10.0: Bells and Close.

## 3 LO

MELBOURNE, 770 Kilocycles
Day Sessions as Friday, except: 35: The Radio Sorlal-The Mil lonaire Gangster," by John Wallace, read by "Scribe
0.10; Current Happenings in 10.30: More About North Queensand. Mrs, T. J. Ryan
Walking in Germany-Along the Rhine Valley-by Miss Helen
1.3: Physical Traintig-Breathing Through the Nose-Mr. P. W. 2.01 Everyday Sclence and Nature Study-Familiar Animals-Mr. P J. Wolfe
12.45: At Home and Abroad, by The Watchman, W, H, Frederick and M . Th, Ropel 30: Travel Talki Japan, the Iind of the Cherry BlossomMiss Constance Duncan. Evensong.
5.20; Tiny Tota' Searion

30' Young Peoples Session. (S.) The Valley of Adventare. (M). All Aboard for Trip on A London Bus, with Marforle Mitchen. Hob and Berenice Open the Must cal Box. Cood-night.
.0: Dinner oruicic.
8. 40 ; ( S .) Our Heritage of Song
(See 2 FO ) (See 2FO.) Two-pianoforte Recital, by Prank Hutchens and Lindley 8,30:- Blind Man's Buffer. (See 9.5: A Concerto Explained, by Lindley Evans. Huberman. (See 10.10: (M.) Drake's Home. (See 10.40: ( B ) Dance Music by Jim Davidson's A.B.C. Dance Band. 11.25: A summary of the Day's

## 3AR

MELBOURNE, 630 Kilocycles
Day Sesslons as Friday, except:
Note: During the afternoon results of Ballarat Miners' Races will be given as they come to hand.
15: Acceptances and Barrier Posltions will be given for the Moonec Valley Races on Saturday.
5.30: Early Evening Session
6.0: French Session, conducted by Mr. J. G. Cornell. 1. Causerie Le Masque de fer, par Mr. J. G.
Cornell. 2. Deux airs du 17 clecle Cornell. 2. Deux airs dut ${ }^{17}$ ciecto chan
ney.

## ON THE SHORT WAVES

5.30 a.m. (JZJ 25.42. JVM 27.93): News in English from Toklo 5.45: Harp and Flute Music. 6.15: News in Freach. 6.30 5.45 a.m. (DJD 25.4, DJL 19.8, DJC 49.8): Concert of Light Muste, 6.15: Concert Hour with Compositions by Carl Weber 7.0: News in English and German. 2.20; Close.
$5.45 \mathrm{am} . \mathrm{m}$. (GSB 31.5, GSD 25.5, GS1 19.6): "London CallingClose.
a.m. (GSB 31.5, OSO 19.7, GSP 10.8, GSG 16.8): News

20: Commentary on Tennis Champlonshlps at Wimbledon, Talks. B.30; "The Careful Nursemald." A Tribute to Every. body's Old Nurse. 9.0; Close.
a.m, (JZJ 25.42 , JVN 28.14 ); News In English from Toklo.
$7.15:$ Harp and Flut Musc, 75 : Japanese News. $7.45!$ New Folk MusiciN 8.05 Close 19,7 , DJQ 19.6): German Folk Songs. a.0: Chudren's Hour. 8.10: Whisperinge News. 9.0: Concert of Light Music, 10.15: Sound Pictures. 10.30: Hituer Youth, GSO 19.7, GSB 31.5, GSD 25.5 ): Songs
20 am . GSP 19.6, of the English Countryside. Recital by Loulse Hayward (Soprano). A Little Winding Road. Away on a Hil. Fox-
mioves. Gorse. 9.30 : A Oloucester Notebook,: Talk by Whoves. Gorse. Pegky Cochrane in Songs at the piano, 10.0 : Ta1k in Gaelic by Rev. Dr. K. MacLeod. 10.15: Dance Music. $11.10:$. News. 11.30 , DJiose.
1.0 am . (DJN 31.4, DJQ 19.6 , DJR 19.56 , DJB 19.7): Modern Plano Music. 11.15 : Nows in Engish from Berlin; Oi.45:
Women's Seaslon. Noon: News in German, 12.15: Opera (Verdi). "A Masked Ball," 1.45 : Close, 25. 1 ) , Bic Commentary on Tennts Champlonships at Wlmbledon. 12.30 : $\begin{array}{ll}\text { Commentary on Tennts Champtonships at Wlmbledon, } & \text { All } \\ \text { Revne. ".30: }\end{array}$ Revile. Interlude. 1.40; News. 2.0 : Close, Parls. 1.45 : $\frac{\text { Munical }}{30 \mathrm{p} . \mathrm{m} \text {. (TPA4 25.6) : News in Engllish from Parls. 1.45: }}$
 Talk on Pedigree Stock. 3.10: The B.B.C. Empire Orchestra. 3.55: News, 4.15: Recorded Commentary on Lawn Tennis Games at Wimbledon. 4.30: Recorded Commentary on the Northumberland Plate, 4.45; Close, 19.6 ; A Gay Potpourri,
10 p.m. (DJN 31.4, DJB 19.7 , DJQ 4.0. News in German. 4.15: More Gay Potpourri, 4.55 : in English. 5.15: soumd Pletures. 5.30: Concert of Light Music. (DJB 19.74): "Whisperings." 6.30: Hitler Youth. A Play of Discoverers. 7.0: Young Authors, 7.15 ; Songs by the Danish Singer, Helga Weeks. 7.30 : News in German. Motor Highways, 8.0: Song Recital (Brahms), 8.15: Close
$30 \mathrm{p} . \mathrm{m}$, (31.R 31.34): Market Reports for Northern Austraita 6.45: Sporting, 7.20: National News. $1.30:$ Queonsland News man Celebrity Concert conducted by Prof. B. Heinz. 9.0 Tatk from Sydney Studlos, $9.15:$ "Our Heritage of Song,"
9.30 : Melbourne Programme. $10.30:$ News. $10.50:$ Dance Music. 11.30: Close.
$0 \mathrm{p} . \mathrm{m}$. (3ME 31.5); Recorded Muslc, 8.0; Band Musle. 9.0 News and Weather, 9.15: Famous Vocallsts, 10.0: Close M5 p.m. (CSO 19.7, GSG 16.8, GSH 13.97, GSJ 13.93): Bis
Ben. Organ Musio from Riaito Cinema, Coventry, 9.15 Ben. Organ Music from Riaito Cinema
Trocadero Cmema Orohentra. 9.30 : John Londoner a: Home." $10.0:$ BEETHOVEN SONATAS FOR VIOLIN AND PIANO. 10.25: Three Short Topical Talks. 10.45: Peggy Cochrane in Sonts at the Plano, 11.0: Datice Masic. $11.15:$
Commentary on the Northumberland Phite Horse Race. 11.30: News. 11.85: Close, DJQ 19.6, DJE 16.8): Concert of Tight Music. 11.0: News in German; 11.15: Sound Pletures. Midnight: News in Enclleh and Dutch.
FOR MISCELLANEOUS SOHEDULES, SEE FRIDAY.
6.15: Countryman's Sesston.
6.45: Sporting Session, conducted by A.B.C. Commentator. sia. 2: Michael Lermantov, by Joseph Shatin.

### 7.20: National News Bulletin.

7.35: Politicians of the Past-A Epectal selection of Recordings First Federal Parliament.
8.0: Near and Far. An intimate hali-hour with a Musical Fammy. Comphed by Reginald stoneham. Production, Paul Daly.

## 35: Bel Oanto Trio in a Pro-

 gramme of Oid Favorites, (Mendelssohn), Rain (Curran), Invocation (Schumann) Stars in My Eyes (kreisler), Pansles (Elgar), of Minnetonka (Sieurance).9.0: Vers and Alfred Field-Fisher in comedy Serial the old Fleld-Fliker. Eplade 7 : Out of the Frying Pan, Granpa has the Last Laugh. get musle 9.20: A Botiquet of Sweet Mustc, presented by A. Hammett 10.0: Interiude.
10.15: News. 10.30: Olose.

## 2 CO

670 Kilocycles See See 28L. 6.50: See 3AR. 9.30: 12.0: See $31,12,12.35:$ News Service. 12.45: See 3LO. 2.0: Clase. 3.0: See 310 . Recorded M.0: Clase. 0: Recorded Muite from 2 CO
5.20: See 310 . 6.0 : Iocal Sor 20: Bec 310 .
ion,
including Market Recal Sers. from Albury, $6.15:$ See 3 AR . 7.35: Local News Service.
See sio. 11.30: Close.

## 4 QG

BRISBANE,
Day Seasions as Friday Kilocycles 10.30: The Dally Broadcast serof England. by Rov. It J. Hobbs. Puregger.
11.40: Since There Is Beauty by Kathleen Taylor Presentation
12.0: Broadcast to Primary Echools. . 5 . Collins-Tnterpretation. News Commentary, by .The
10: Beyond the Blue Horizon. 1.25: From Constitutional Club
3.0: Speechect at the Opening of the (Continued on page 29)

## The Most Popular of all "Wireless Weekly" Circuits Dual Wave Pentagrid Six <br> che



The same Set ready assembled in Handsome Cabinet for $£ 21 / 10 /-$.
The lowest price we've ever asked for a 6 -valve dual wave battery set! Complete with all batteries, equipment, aerial, earth, tested and in a very attractive Cabinet, for $£ 21 / 10 /$.

## EASY TERMS

 Only $£ 3$ deposit and small weekly payments will secure this splendid radio for you!
## I NOW REGULAR FEATURE!

## Free Accumulator with every Kit Set !

So great was the response to our free offer of an extra accumulator that we have decided to make it a regular feature, and now an extra 80 amphour 2 volt Accumulator will be included with every Set Sold !

## DAVID JONES' RADIO HALL

MEN'S MODERN STORE, GEORGE ST., Opp. G.P.O., SYDNEY

Including Valves, Speaker and all Batteries
This Battery-operated Dual Wave is offered at an astounding low price for such quality! This set has everything you could wish for in a high-grade radio-exceptional selectivity, a tonal purity that's second to none, worldwide reception. Features of construction include full automatic volume control. When the set has been wired you can have it aligned on the oscillator free of charge! Complete Kit of Parts is $£ 16 / 10 /=$. Should you prefer to instal the set in your own cabinet, we will supply it ready wired and tested, with all batteries and equipment for $£ 18$.


## ©ㄷuma <br> New to this Country-Fixed

 Crystal Detectors, atways set.Exelusive to Levenson's. Super-
The Radium," $9 / 9$
"The sillion Point," $3 / 6$. The All Set. 4/ i/6.
The Fixtee." $\$ / 6$


American Rubber Whects for model acroplanes, Inllatable or deflatable, intlator supplied, 2 in .
 $5 / 9 \mathrm{pr}$., 21 in . $6 / 9,95 \mathrm{sin}$, $7 / 6 \mathrm{pr}$.
Giant size, $31 \mathrm{in}, 22 / 6$ and $30 /-$ Giant size, $31 / 2 \mathrm{in}$. $82 / 6$ and $30 /$ pr. English Adjustable Units
Cone Spaker, $17 / 6$ now $10 / 6$. Cone Speaker, $17 / 6$, now $10 / 6$
With Chassis to suit $17 / 6$, With Chassis to suit $17 / 66$
iin, Carborundum Wheels, 10/6; 2 in . Jaw Vices, $5 / 9$

"Red Box" or Rex-the always set Fixed, Crystal Detector,


## Pezolectric PICK-UP

PMI?V, 2v, battery, S.G., UN baso 8/6: PMEs, 2v., battery penthode UX base, $8 / 6$.


Jist arrived, 9/6.
A Midset 160 per cent. Varlable or stay-put Crystal Detec.
tor, $9 / 6$; ICeady to hook-up. Sor. 2/G; ileady so size comSupersensitive. pee size compared to $1 /$ a piece. N
Exclusive to Levenson's.


13in. Flying Scale Mc̈dels, complete kit, 1/6. Full instructions. Taylor Cob, Spad, Fokker 98
Wartime SES, Boeing F4B4. Wartime SES. Boeing FIB4.

## Nublisizn <br> 

English Carbon Granules, for mirophones. Soz. bottics, extra special quality, fine grade. $5 / 6$; super-
fine, $6 / 6$.


High Pitched Tone
Professional BuzzProfessional Buzzcrs, 7/6.


Sounders, English P.M.G. type, heavy brass fittings.
 to $8,180 \mathrm{~V}, \mathrm{a}, 0$ to 30 ma. Other Bake-
lite cased lite cased Volf-
meters, 0 to 10,0 to 125 v, , $4 / 6$.


Heayy fittings ad justable every way, wooden b a s e, others, 10/6, $12 / 6$. and $50 /$
"TELSEN"AC-DC

the $25^{\prime}$ Accurate, tests ra-
dio afd domestie electric appliances, 0 to 50 and 300 $\operatorname{man}^{0}, 0$ to 8,16 and $\frac{810}{} \mathrm{y}$.

## Lightweight 4000 ohm reliable Headohm reltable phones, $10 / 6$.

 BATTERYLESS

Mierophones for
home broadeasting. shop, factory, store a n n o uncements. Just plug into pickun terminal of set; others.
e6/6/-

## 

A fine t-valve Battery Set that brings in all stations, overseas, local interstate, on head-
phones. All metal work ready drilled. Failure to build it impossible. Charts Gd. Free with kit. All parts, $36 / 4$, vator $15 \%$, B battery $9 / 6,0$ u $r$
charge for buildink charge for buildink
if required, $12 / 6$. Phomes, 10/6, 22/-, 28/6.

5000 brand new American Valves, dirt cheap. Manufacturers' bankrupt stock. Must be cleared, space wanted. All at $6 / 6$ ea77, 1A6, 78, 72, 6B7, 338, Mullard PME: PMis, PM12V, 86;
C os so
6iore, C10LP, $8 / 6: 255,8 / 6 ;$ ga7, 5/9; 2y, Bat-
tery 8 G . 76 ; DVE, DU10 rectifiers, $5 /-$; E415 $3 / 9$. Cossor $41 M R C$ 44SU, reetifiers. $9 / 6 ;, 4 \mathrm{XP}$, 60 XP , all $\ddagger / 6$ seat. 280 Gold Seat, 980 ,
 $55,56,10 /-246$,
$12 / 6, \mathrm{~V}, \mathrm{~S}$. reliable make 57 , 58 2A5, $\begin{array}{ll}\text { 947, } 30, & 171, \\ \text { EC6, } & 606,10 /-3 \\ \text { 11 }\end{array}$ 6C6, $6 \mathrm{D} 6,11 / 6: 42$,
$12 / 6 ; 6 \mathrm{~F}, 6 \mathrm{Br}$
$12 / 6$,
 Tungsol 58 now 19/-, all New.

Just Ianded English GramophoneRadio Plek - up Heads, fit any standard Gramo. Tone A r m . Bakelite
moulded, 11/6, and moulded, $11 / 6$ and
De Luxe Model. De Luxe Model,
$19 / 6$, Others, $10 / 6$, 12/6.


Batteryless Hand Batteryless Hand
Mierophone, just plug into plek-up $45 \%$ value. Now 25/-. For Music, Song, or Speech.

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Like-n-Flash Electric A.C. Gramophone Motors, complete, humless,


Like-a-Flash 4-5 Midzet Mantel Model Superphet. 240 v . AC operation. Local and interstate stations. E13/10/, now E8/10/: cash only. 19 months suarantec.


Large size Hydrometers, for testing aceumulators. $3 / 0$ value. Now ?/6.

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Miniature Clip - on Reading Lamps, all bakelite, complete with lamp extra, 9 d or $1 / 6$.


De Luxe Morse Code Key, adjustable all ways, 19/6.


9 reading Voltmeters, 6/G: 3 reading, volts and ma., $10 / 6$.

## Like - a-Flash Aerlal Tranyposition Blocks. Bakelite moulded set for special price to



Now for a great llttle
All station Crystal Set. All station Crystal Set. Charts, 6d. Free with kit. Coil Kit, ready made, panel drilled. station after station without interference: The "Gold Medal" Crystal set - a prize Whon in ${ }^{2}$ circuit. Phones, $10 / 6$
$28 / 6$. All parts $29 / 6$ : assembled $35 / 6$; in cabassembled
inet, $49 / 6$.


Man $o^{*}$ War 40 -strand Insulated Aerials, 50 ft . 100ft. 10/-

Police Patrol Acrial, sott. 3/9, 100 ft. $5 / *$ sott. 3/9, 100rt. 5/a

Neutron" Crystals 9d. Red Box" Crystal, always fixed crytais Crystal, 5 /6.


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Home Broadeasting Microhome, plugs into piek-up ierminais of battery or electrie set. $9 / 6 ;$ plus batfery, $1 / 9$.
30 ft . cord $1 / 6$ extra.

Now Ready, Levenson Sin. diam. Sandown Doneaster Eace Game, with betting sheet, 7/6. Goldtone Bakelite Lightning Arrester, 6/*

4 in 1 all metal pocket Serewdriver Set, fountain pen size, 1/6.

Litity Front Panel
Short - wave Vernier short - Wave Vernier
Dials. World's Best. $10 /$ - Miero movement Ormond English
Metal Front Fanel VerMetal Front Panel Ver-
nier Dials. geared movement, $7 / 6$,


8/6

Experimenter's Miero Experimenter's Miero-
scopie Outfits $8 / 6$, coni a in in microscope plates, tweezers, ete.


Bakelite case o reading Bakelite case of reading Volt-meters for $A$ and others, metal eases, 2 : athers, metal cases, 26


Electric Klaxon Horm. with all fittinis and push button :/6, Fit-
ted in a fiffy. Splendid for autos., shops offices, and stores


Electric Lizht Generaint Sefs for Cucles, Head and Tail Light. complete with extra Grabe de Luxe Moper Grade de Laxe Model. $15 /=$ Packing. 9d
extra, plus postage,


Like-a-Flash "EHminoise" Aerial Kit for hort or duat-wave type Insulators, trans. position blocks. and pooft aerial coll nil 6 Sliminates unwanted erial tand unwanted electrical noises from your dusl-wave or shori-wave set.


Pix, the the most effective All-wave Traps. A inter-station interter inter-station interfer-
ence, $/ 6$,

WRITE FOR
Pin-Game, Totem, and Race-Wheel LEAFLETS.

## LEVENSON'S RADIO

Games, Novelties, and Coin-operated Machine Specialists, 226 PITT STREET, SYDNEY.
AND RADIO CHEAPSIDE, $2 t 0 A$ PITT STREET

WRITE FOR
PUNCH BOARD AND NOVELTY GAME TEAFLETS. Interstate), We Weloome Prepald Telegrams and Long Distance Phone Calls. Direct Line from Country, M:isi. We can supply by Mall All General Merchandise at a Betcer Price. Quotations with Peasure.

# ] HE INVERSED FOUR 

Designed with one aim-to give you the utmost performance for a kit of parts costing less than £8 complete.

FOR fifteen years "Wireless Weekly" has been describing the construction of sets so that amateur builders will have guidance. Usually It has been our aim to describe sets which give the builder a definite advantage over normal commerclal designs. For many years it has been the proud but easily substantiated boast of the radio enthusiast that his homebult receiver has been able to out-perform most factory-built sets. But, during the past couple of years, the factory-built sets have been improved out of recognition and few amateurs can hope to compete with the factories when it comes to making a sensitive dual-wave receiver with automatic volume control. But there is still plenty of opportunity for the man whose hobby is radio. It is possible for him to build amplifiers and receivers with better fidelity than the average commercial receiver, and it is also possible for him to gain advantages by concentrating on unusual designs of the type which are not necessarily suitable for mass production.
Here is the description of a set which has been designed with one aim - to offer outstariding value.
For a cost of between 27 and 88 any reader who is handy with tools can build himself a set (less cabinet), which when tuned to a nearby local station will give reproduction just as good as regards power and even better as regards fldelity than that obtainable from many commercial receivers selling at prices up to $£ 45$.

## WHAT IT CAN DO.

We state quite definitely and without any fear of contradiction, that if operated, for example, at Dubbo, this little set is going to reproduce the $2 D U$ programme just as well or better than the majority of receivers, irrespective of cost.
WHAT IT DOES NOT DO
Of course it is impossible to get anything for nothing and so this set also has its drawbacks, as might be expected from the cost. Firstly, it is not as selective as a modern superhet., and cannot be expected to separate stations which are close together as regards wave-length, and it is not going to keep a powerful local station from spreading across other stations. At Rose Bay the original receiver would readily separate all the local stations and bring them in at full loud-speaker strength, but we expect that in parts of Coogee, Mosman, and other suburbs, in which there is a powerful transmitting station near at hand, there might be difficulty in keeping this station in its place.


The receiver is for the broadcast band only, and is not a dual-wave model. It is not fitted with automatic volume control or any of the modern gadgets. It is just a straight-out receiver, designed to be simple to build, to be cheap in cost and to offer value for money. The original has been carefully tested in our laboratory and we have spent considerable time testing out alternative detector circuits, and all manner of modifica-

Even if you have never built a set, nor any intention of doing so, I'm sure you'll find some interesting reading in this article-

A. G. HULL.

tions, so that we have proved by practical testing that the circuit represents the best possible results which are obtainable with the materials used.

## AS A STEPPING STONE

Another atiractive feature of the receiver is that the design has taken into account the fact that it is possible that this receiver will start many newcomers off on the radio hobby, and so we have only speciffed components which can be used again later in the production of a bigger set. With the exception of the metal base all the rest of the components are equally suitable for use in a. six-valve superhet., and we hope at a later date to detail the job of re-
bullding this little fellow, first into a five-valve superhet., then into a sixvalve superhet., and perhaps later into a dual-wave superhet.
This feature will be an assurance to a reader who is buying a kit of parts. He will know that his money is invested in equipment which is worth having.

## THE CIRCUIT

The circuit, technically speaking, comprises a tuned radio frequency type of circuit with one stage of tuned radio frequency amplification, a leaky-grid type of detector using an r.f. pentode, with a resistance-capacity coupled audio system to an output pentode fitted with inverse feedback to eliminate harmonic distortion in the reproduction.
But it doesn't matter whether you understand these technical terms or not. If you build up the set according to our instructions and diagrams it will work just the same, irrespective of the builder's technical knowledge. Incidentally, if you want to learn technical terms the building of a set of this kind gives you an especially easy chance to get acquainted with technicalities. With a mica condenser in your hand and a picture diagram and a photograph of it in front of you it becomes probable that you will make its acquaintance in a manner which will remain fixed in your memory so much more effectively than if you try to learn about it from reading books without any practical experience. It is also likely that when you have built this set and made it work you will have acquired a keenness and enthusiasm which will make

you want to find out the technical explanation of how it works and why!

## KNOWLEDGE REQUIRED

In order to be able to build the set it is necessary to have a few tools and also to have a certain amount of knowledge, not so much of radio, but of handiling tools. Most important of all is the knowledge of how to make a plece of copper wire solder to a tin lug. It sounds very easy, but actually it is by far the hardest part of the job. In most cases an electric soldering iron is essential. They can be bought quite cheaply and they maintain a constant temperature during the job and do not get dirty. The right kind of hook-up wire, some resin cored solder and a tin of fluxite are other features which help to make the soldering a simple task. Another important thing is to keep the work clean and to scrape each joint before coating with solder.

## THE ART OF SOLDERING

## Keeping the tip of the soldering iron

 clean except for a thin film of clean solder, some heat is applied to the scraped surface of the valve socket terminal lug or whatever the wire is to go to. and then some of the resin cored solder is melted on the fron and allowed to run over the work, The iron is then moved to and fro across the surface of the lug and withdrawn, to leave a mirror-like coating of solder. over the lug. If it doesn't work out that way you have either applied too much heat or else not enough. Get hold of some strips of Jam tin and solder them together a few dozen times for practice, and then start practising at soldering your hook up wire on to the
## The Circuit

strips of tin before you actually start btilding your set.
With the wire the procedure is to pull back the insulation from the wire, twist the strands together if you are using stranded wire, smear a little fluxite on the wire, and then apply heat from the fron and run on the solder. The strands should fill up with solder and then cool off to show the same mirror-surface which is the sure proof of a satisfactory "run" of the solder.

Get the solder well into the wire and well on to the surface of the lug

## PARTS LIST

Base, size $12 \times 72 \times 21$.
2 Coils, with cans ( 1 aerial, 1 r.f.).
12 -gang tuning condenser.
1 Dial to suit.
1 Power transformer, 385 v .80 ma ., 5 v . 2 a., 6.3 v. 2 a.
28 mfd , electrolytic filter condensers.
110,000 ohm volume control.
115,000 ohm voltage divider.
4.1 mfd . tubular condensers.

100025 mfd . mica condensers.
10005 mfd mica condenser.
110,000 ohm 1 watt grid leak resistor:
1100,000 ditto ditto.
1250.000 ditto ditto.

1500,000 ditto ditto.
11 megohm ditto.
12 megohm ditto.
1 Wire wound blas resistor, 300 ohms, to carry 100 ma .
1 Radio frequency choke.
Sockets $-36-\mathrm{pin}, 24-\mathrm{pin}$.
2 Valve cans.
Sundry hardware, screws, etc.
Valves- 1 6D 6,1 6C6, 1 42, 180.
Speaker, 2500 ohm field, 7000 ohm load.
before putting them together at all. When each half of the final joint is well "tinned," as the coating process is called, they can be put together, heated by the fron, and should then fuse together in a strong joint which will defy vibration and give a lasting joint which wili never cause crackling and frying noises in the speaker of the finished recelver.

## OTHER TOOLS

Other tools required really only amount to a pair of narrow-nosed pliers for holding wires while soldering, a pair of angle cutters for cutting the hookup wire and pushing back the insulation, and a screwdriver.

## SELECTING THE PARTS

The first real step in the direction of building the set is to procure the money and proceed to a reljable radio dealer for the parts. It will be found that all the items specified are stock lines, readily avaflable in a number of different brands and at different prices. A kit of the best parts will probably list at about £8 to $£ 8 / 10 /-$. Reasonably priced items would make it possible to get a kit for somewhere between $£ 7$ and $£ 8$, whilst junk merchants and cut-price stores may try to tempt you with kits at $£ 5$ or even lower.

We don't think that you can expect to get high quality parts and buy a kit at a list price of less than $£ 7 / 10 /$ -

When we speak of a kit we refer to the set of parts for the chassis, including wire, screws, power lead, and all the odds' and ends of hardware, together with the valves and speaker. -
To get the best quality from the speaker it is then necessary to mount it in a cabinet or else to use a baffle


Maximum results from your "Inverted Four" are assured with the use of these famous parts . . . KEN-RAD "The Fine Valves of Radio" . . . Solar Wet Electrolytic Condensers . . . E.T.C. Resistors, and Mica Condensers.

Engineered by the most progressive radio laboratories in the world, they have become the accepted standard of quality and dependability by technicians everywhere. Amateur constructors can rely on them to the last degree, for long, unexcelled performance.

Factory Representatives:

## EASTERN TRADING Co., Ltd.


board of some kind to surround the speaker edge and allow the low notes to be properly reproduced. A plece of Inch-thick pine wood, a yard square, with a suitable circular hole in the centre, is about the ideal baffle, and will allow even better quality than obtainable with a moderately-priced cabinet. It is also possible to get suitable baffle boards of simflar dimensions out cut out of special "Celotex" composition. These are available at about 15 /- each. THE BASE
The base required can either be obtained in a specially drilled form in fron, or a plece of folded aluminium can be obtained, as used in the original recelver shown in the photographs. Our reason for using the aluminium base was simply that, since we were ptoneering the design, we had to cut our own holes, and this is much easier to do in aluminium than fron. On the other hand, the aluminium is likely to be a little too easy to bend and twist unless it is strengthened by two pleces of wood screwed into the ends. With the wooden ends the aluminitum base acquires the requisite rigidity. Aluminium is a pleasure to work with, for, no matter how carefully the ready-drilled base is cut, there always seem to be one or two extra holes needed for something or other. These can be put in aluminium with an ordinary wood bit dubricated with sewing machine oil or turpentine), or small twist drills can be obtalned to fit the ordinary household brace, and at a cost of only 6d to 8d each.
It is not a bad plan to accept the offer which some dealers make. They supply the aluminium base with the socket holes and the hole for the power transformer eut. Then you drill all your own small holes.
THE COILS
There are lots of different sizes and shapes of suitable colls. In the original we used the aerial and r.f. units from a modern superhet, kit. They were a
little too selective, if anything, it being possible with colls of this kind to have them give plenty of range or plenty of selectivity, but it is very seldom that these features go together. In many cases a 1 ittle more range and a little less selectivity would be desirable,
It would also be possible for the tuilder to wind his own cells, but by the time the necessary wire and formers have been purchased there is noth-

Ing to be saved, and so it is much better to buy the ready-made colls,

## THE GANG CONDENSER

The selection of the different programmes comes about through the dial. moving the rotors of a two-gang condenser unit. This unit is rated as having a maximum capacity of .000385 microfarads, but this need not bother you. The point you need to watch carefully is to see that you are supplied with a gang which is fitted with trimmers. Some condensers are specially built for dual-wave sets and do not have any trimming screws. You do not want one of that kind. You want one with two adjusting screws on top. Make sure on this point,

## THE DIAL

The dial is a prominent feature of the finished set and you may feel inclined to get one of the big modern dials, with edge-lighting to throw up station call signs in color, or, on the other hand, you may want results, not looks, and then you can save yourself some money by fitting a cheap little dial like the one we used. When buying the dial be sure that it will fit the base. You may need to mount the gang condenser up on legs or long screws to get the alignment right, but this is quite easy. The dial will have a $3-8 \mathrm{in}$. shaft hole in all probability, so if the shaft of your gang condenser is quarterinch you will need to make sure that the usual bushing is supplicd with the dial. These are normally packed in with the dial at no extra cost.


## P CThe Coil, VACUUM IMPREGNATED COILS FOR INVERSED FOUR RECEIVER!



Sirufer iron core intermediates, High gain, extreme selectivity without frequency drift. Type AP76 $14 / 6$

New R.C.S. Audio transformer, pie wound high grade steel for use with 6L6 "Beam Power" valves, Type TB1 $13 / 6$
RETAIL


For excellent results at nominal prices the R.C.S. straight T.R.F. coils are available and you will be astounded at the results obtainable.

Kit type K52
8/6 Retail

## Dispel all testing worries!

For best results, all sets, must be aligned with the R.C.S. service oscillator. This high grade instrument supersedes all others on the market, and can be relied on to the last degree for high efficiency results, and long service.

All R.C.S. coils are vacuum impregnated by special process.
All air is exhausted from around windings and wax forced in. Thus no moisture can possibly interfere with R.C.S. high performance.
For the recelver "Inversed Four," specify R.C.S. components . . . highest quality, and efriciency. Also, R.C.S. dual wave coils and Iron core intermediates.

If not obtainable from your local dealer, write direct to :

## R.C.S. Radio Laboratories

21 Ivy Street, Darlington, Sydney. 'Phone MA6041-2

## THE POWER TRANSFORMER

The power transformer is a stock type known as "an 80 mill job with 6.3 filament." Actually it is fitted with a secondary winding, rated to supply 385 volts at 80 milliamps current, each side of a centre-tapping. The power transformer is fitted with a terminal strip which comes through to the under-side of the base, and these terminals are clearly marked. There are also two or more filament windings. One of these will be marked 5 volts at 2 amperes, and from these two terminals we run the wires to heat the filament of the rectifier valve (type 80). One of these terminals then becomes the source of high tension for the set, as will be seen later from the pleture diagrams. Then there may be two other filament windings, each of 6.3 volts, at an ampere or two. One of these windings is sufficient to supply all the heaters of the rest of the valves in this little set, and the other winding can be left open as in the picture diagram. As will be seen from the photographs of the original we used both windings, one for the 42 and the other for the 6 D 6 and the 6C6.

## THE ELECTROLYTIC CONDENSERS

Two filter condensers are required, and, in the original, these were the upright type of "wet" electrolytics in aluminium can. One of these had to be mounted directly in the metal base, so that the can of the condenser and the metal of the base make electrical contact. On the other hand the second one requires to be mounted so that it is insulated from the metal of the base. This is easily arranged if you make sure that you get the free insulating washers which are supplied with the condenser.
There are also many other types of filter condensers, tubular condensers with pigtalls and dry and semi-dry electrolytics in cardboard cartons. If any of these other types are used it may be found that instead of the can of the condenser belng the negative side, there are two wires from each condenser, one black and the other red. The red wire should be treated as though

## BRANDS USED

Whilst it does not necessarily follow that we think any of the following brands -are of any better quality or more suitable than other brands, we are giving this list of the actual parts used in our original chassis, so that those who wish to have parts of the same appearance as those in the photographs can have them by ordering accordingly.
Base-aluminium from Prices, Power transformer by Henderson, Electrolytic condensers and tubular by-pass condensers -Solar, Coils-Radiokes type BIC, Tuning condenser-Stromberg Carlson, Dial- R.C.S., Mico condensers-T.C.C., Grid-leaks-I.R.C., Radio frequency choke-R.C.S., Voltage divider, volume coptrol and bias resistor-Radiokes, Sockets-Renrade, Cans-Acorn, Valves Ken-Rad and Radiotron, Speaker-Rola typo KI2.


It were the centre terminal of the other style of condenser, and it is the black lead which will be connected to the metal of the base in one case and insulated from it in the other, running to the 300 ohm blas resistor.
This may all sound rather complicated, but you can forget it if you get similar condensers to those used in our original set.

## THE VOLUME CONTROL

For the volume control a potentiometer of 10,000 or 5000 ohms resistance is required. In the original 10,000 is used and specifled throughout; but etther value is equally suitable.

## THE VOLTAGE DIVIDER

Across the full high tension voltage of the set is the voltage divider, which, as the name signines, divides the high tension voltage to give suitable voltages for the volume control and for the screen of the r.f. valve. The voltage divider takes the-form of a large wire-wound resistor, with a couple of adjustable clips. Your dealer will set these clips to roughly the correct position for you. or you can do it yourself, being careful not to break the fine wire with which the resistance is wound.
The screen clip will be about the middle of the divider, and the volume control clip will be about a quarter of the way up from the "earthed" end. Setting the clips at these positions will be near enough to get the set/working, and then later the volume control clip can be moved further up towards the earthed end if the control is too effective, or up towards the high voltage end if the control is not sufficient to cut down the strength of a powerful local station. The screen clip is not at all critical.

## TUBULAR CONDENSERS

Four tubular condensers with a rated capacity of .1 microfarads each are required for by-passing and coupling. These are a stock line of flxed con-
densers which are available quite cheaply. Normally they will have a rated working voltage of 400 volts marked on them, and perhaps one end ringed with a black line or branded "outside foil." In such cases this end is the end which goes to "earth" in the case of the screen and cathode bypass condensers, or to the grid of the output pentode (42) in the case of the coupling condensers.

If the condensers are left suspended by their plgtalls they will need to be cut short or else doubled back on themselves to get satfsfactory rigidity.

## MICA CONDENSERS

Two-small mica condensers are required, one with a capacity of 00025 and the other with a capacity of .0005 mfds. (usually called "Three Ohs Two Five and Three Ohs Five"). Actually there is quite an amount of scope for juggling with these values. In the case of the .00025 mfd . condenser, which is the grid condenser for the detector, the value specifled is the best for all-round use, but a smgller value, such as .0001 when used with a quarter-megohn gridleak ( 250,000 ohms) will give slightly better tonal quality with a slight loss of selectivity. Then again, if selectivity is badly needed it becomes possible to omit the grid leak and grid condenser altogether and bias the detector as shown in the alternative circuit. This makes the set more selective, but tends to spoil the excellence of the tonal quality which is otherwise obtained.

## GRID-LEAKS

Small one-watt composition resistors (commonly called "grid-leaks") are required for various voltage dropping uses in the circuit, and to maintain potentials. First there is a 10,000 ohm resistor needed to go with a 100,000 ohm one across the input to the speaker to pick off a portion (approximately one tenth) of the audio output to feed back to the grid circuit through the 250.000 ohm resistor, which also acts as the plate load for the detector valve. Then there is

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a 500,000 ohm resistor, which is the grid-leak for the output valve, running back to the negative side of the 300 ohm main bias resistor, and thereby maintaining the grid of the 42 at its correct bias voltage. There should be no current running through this resistor, and therefore the voltage should be the same at both ends.

This half-meg resistor ( 500,000 ohms) also allows room for experimenting. The higher the value of this reststor the better the tone and the greater the gain of the set, and even the less hum, but 500,000 ohms is the highest value allowed by the valve manufacturers' specifications. Actually in practice it is often possible to use higher values and still obtain satisfactory service from the valve. We recall the case of a prominent set factory which turned out thousands of receivers in 1932 and 1933, using the 47 type pentode with a 2 megohm grid leak. The practice was contrary to the valve makers' recommendations, yet we have seen many of these receivers which have done four or five years faultless service. So if you want the best results substitute a 2 megohm grid-leak for the half-meg, and hope for the best. But don't tell the valve distributors that we said so, especially if your 42 goes bung in the course of a few months, and you want a replacement under guarantee.
Other grid-leaks include the 1 meg. resistor to drop the screen voltage for the detector and the other the gridleak for the detector, about which we have already dealt in the paragraph dealing with mica condensers.
At a glance it may appear to the average enthuslast that the 1 meg. resistor in the detector screen circuit could be omitted by connecting up the screen of the detector to the screen clip on the voltage divider. This, however, is not right, and the only way to get the best performance from the detector appears to be to use the 1 meg. resistor.

## THE BIAS RESISTOR

There is only one bias resistor in the set and this is a 300 ohm resistor which needs to be capable of handling the full current of the receiver. This is only about 80 milliamps but it will be found that a resistor rated to carry at least 100 milliamps will be necessary to make sure that it does not overheat. We like a nice big resistor such as those wound on a plece of one-inch glass tubing with well spaced wire.

## THE RADIO FREQUENCY CHOKE

A radio frequency choke is required to stop the r.f, getting beyond the detector stage, and its type is not critical. In most cases a bunch of 28 gauge silk covered wire on a cotton reel will serve the purpose, the gauge of wire not being critical. If you have any wire on hand you can try your hand at making this item yourself.

## SOCKETS

Three six-pin sockets are required for the 6D6, 6C6 and 42 type valves, a fourpin socket for the rectifier valve and another four-pin for the speaker connection.


Modifted circuit to obtain greater selectivity by omitting the grid leak and condenser and fitting a cathode bias resistor and by-pass to the detector.

## VALVE CANS

Two valve cans can be used although they are not by any means essential in this receiver. The original would work just as well with the cans removed, but in cases where a set seems lively and tends to squeal when the volume control is fully advanced it would be advisable to have the cans fitted as they would allow the volume control to be more fully advanced before the squealing occurred, thereby resulting in greater range, The original receiver would not squeal no matter how the volume control was handled.

## VALVES

The valve types specified are 6D6, 6C6, 42 and 80 . Those who want to use the older type 2.5 -volt valves need only use the right type of power transformer and then they can replace with 58,57 , 2A5, and 80 without changing any other components or affecting results.
Those who would prefer to use allmetal valves can use the $6 \mathrm{~K} 7,6 \mathrm{J7}, 6 \mathrm{~F} 6$ and a 5W4. But in order to use these valves it becomes necessary to use the octal type sockets throughout and wire them according to the octal socket connections. No matter which of the above type of valves are used the results should be the same. The use of other types cannot be recommended as we have not had any practical experience with them in this type of set and consequently we cannot guarantee that the resistor values would be correct for them.

## THE SPEAKER

There is a wide assortment of suitable speakers available, from baby midgets to big "high-fidelity" models. We don't advise either type, but we do think that unless cost is an important consideration the speaker selected should be one of the better type of medium priced speakers, something in the $£ 3$ to $£ 4$ range. These speakers are superior to smaller types and last a life-time. Although they cost a pound more they will undoubtedly repay the extra cost in improved rendition for years, and, of course, the speaker will be suitable for a bigger set if the builder becomes more
ambitious at a later date. The speaker specification calls for a 2500 ohm field coil and an input transformer with a rated load impedance of 7000 ohms.

To suit the picture diagram the speaker should have a cord and plug with four-pin plug wired with the field coll across the filament pins.

## ASSEMBLY

Having obtained the parts the assembly of the components is as simple as building a meccano model. The power transformer drops through the base and bolts into , lace with the bolts supplied with it. The colls mount up easily and the sockets each require a screw and nut at each end. The valve cans will go down over the sockets and if of the right type will use the same screws that mount the socket.
Points to be watched in the assembly are the mounting of the volume control, and the electrolytic condenser which must be insulated from the base.

## WIRING

Some people prefer to carry out all the assembly first and then go ahead with the wiring, but we prefer to fit the power transformer and sockets first and wire the filaments and heaters up with twisted leads, then add the coils. next the gang condenser and dial, but first soldering leads to the gang and feeding them through holes in the base. Next we wire up the screens, cathodes and so on and the speaker socket. Then we add the voltage divider and wire it in and the by-pass condenser and other resistors.

## TESTING

Having completed the wiring and double checked it against the wiring diagram and then against the schematic circuit the valves may be plugged in and the speaker, too. On no account must the set be connected to the power mains without the speaker plugged in, as this would cause the electrolytic filter condenser to be overloaded by the peak voltage which would occur on account

## (Continued on Page 61.)

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TIME was when the oscillograph was something to be longed for by the home builder and experimenter. The necessary "cathode-ray" tubes being high in price, and the actual instrument itself being complicated and costly, he was forced to do without it unless forced to possess such an instrument by hard necessity.
Things, however, have changed, and the advent of the 913 cathode-ray tube has been responsible for the change. We are now, by the use of this tube, enabled to build a simple job which won't cost more than about $£ 5$ all told, and with which we can carry out many tests pecullar to the oscillograph alone.

## WHAT'S A 913 ?

A 913 is a small cathode-ray tube recently developed in America and just released on the Australian market, It is in fact, a cathode ray tube in miniature, and has all the essential elements of the larger tubes, but in a space no larger than a valve such as the 6L6. The end of the valve, which is, shall we say, the top, is really the fluorescent screen on which the flying dot traces out the pictures that go to make up the various "figures" one sees when the job is working.
The small physical dimensions of the tube mean that the image thrown on the screen is also small-not more than one inch in diameter. This means, of course, that it is not so valuable for making close measurements as would be
 as those obtainable on the larger tubes. In other words, allowing for the limitations of the smaller picture, the little 913 will do all that the bigger tubes will do.

The great advantage of the 913 is, of course, its lower price, as it lists for $£ 2 / 2 /$ - only. This immediately brings it within the reach of experimenters of all kinds, who desire to carry out work in which the oscillograph can be of assistance.

## HOW IT WORKS

The cathode ray tube has been the object of much mystery building which really it hardly deserves. The effect of applying voltages to its elements, and thus causing strange pictures to appear on the screen, is certainly weird and baffling, but when the actual operation of the tube is analysed, there is very little mystery.

A cathode ray tube

d


Modulated envelope patterns showing (d) partial modulation, and (e) 100 per cent. modulation. contains, first of all, a cathode, which emits electrons Just as does the cathode in any other indirectly heated yalve. Next comes a grid similar to that in an ordinary valve, which has the same control over the flow of electrons. By varying the bias on this grid, we are able to vary the intensity of
the electron flow, and, therefore, the intensity of the picture we shall finally trace on the screen.

Next comes an electrode known as Anode No, 1, which picks up the electron stream, and concentrates it into a narrow beam of high velocity. It is connected to a high voltage, and the exact voltage used determines the "focus" of the beam. .The voltage on this anode is, therefore, made variable, so that the picture can be made sharp, no matter what the intensity of the spot itself. It will be realised that when a large amount of the screen must be covered by the spot, as in a trapezoldal pattern, rather more in tensity will be needed that when the only tracery is a thin line. Adjustments to the intensity will, therefore, necessitate readjustment to the focus, to preserve the "balance" of voltages.
Next we have the anode No. 2, which is another tubular anode through which the electron stream passes. It is connected to the full high tension, and its purpose is to further accelerate the speed of the electrons as they shoot through it.

Having passed through the gauntlet of these electrodes, which are generally termed the "gun," a word expressing their function very well, the electrons are shot with considerable force against the glass end of the tube. This glass end is coated with fluorescent material, very similar to that used in the "Magle Eye." The effect of the electrons impinging on this screen is to make a


The circuit. The numbers on the 913 indicate socket connections. No. 8 pin is connected internally to No. 1 pin, and is therefore left blank.
visible spot of light, green in color. It is this spot which traces out all the pictures on the screen. The fact that these often appear as lines and even solid figures, is due to the "persistence" of the screen and of the eye, fllling in the pictures traced by the dot, which travels at almost infinite speed, according to the voltages impressed on the deflecting plates.

There are two sets of plates, each set consisting of two plates, making four in all. One pair are places "horizontally," and the other "vertically," and the electron stream passes between each of the pairs. Now, owing to the nature of the electron beam, if there is a voltage difference between the two plates, making up the "vertical" pair, the electrostatic field produced, through which the electron beam is passing, will cause the beam to be deflected from its straight course, and on the spot on the screen will move up or down according to the nature of the voltages, Similarly, if voltage differences appear between the horizontal set of plates, the beam will be deflected to one side of the other. Should the voltages applied be alternating voltages, the spot will fly rapidly backwards and forwards.

## PARTS LIST

1 front panel, $88 \mathrm{in} . \times 6 \mathrm{in}$.
Aluminium box, 81 in. $\times 6$ in. $\times 6 \mathrm{in}$.
Sub-base, 2 in . deep to fit inside.
1 power transformer, $385-0-385$ at 60 mills, 5VA2A, $6.3 \mathrm{VA}, 2 \mathrm{amps}$.

18 mfds. 600 volt electrolytic.
1913 valve.
180 rectiller.
1.5 mfds tubular condenser 400 v .
3.1 mfds , tubular condensers, 400 v .
1.01 mica condenser.

150,000 ohm potentiometer.
1.1 meg. potentiometer.

1. 25 meg, resistor.

21 meg. resistors (1 watt if possible) 2 switches.
1 octal socket, 1 4-pin socket. .
4 terminals.
or up and down, on the screen, tracing a line directly proportional to the measure of the voltage applled

If voltages are applied to both the horizontal and vertical plates, at the same time, the dot will move both horizontally and vertically at the same time, which means that it can


[^2]trace out patterns on the screen illustrating graphically the relationship of the applied voltages. In other words, the spot is performing the same function as the pencil point of the man who draws a graph, where one quantity is plotted horizontally, and another vertically. After plotting the point, he will find, if he joins them together, that he has a picture or a flgure, as the case may be. This is exactly what happens in the cathode ray tube-it is an electronic artist which can paint graphs on a luminous screen in the twinkling of an eye. The voltages we apply to the deflecting plates, are the same voltages, as we would first measure, and then place, on our graph paper, but we are able to get a direct reading.
There are many uses and application of this wonderful piece of apparatus, and some time soon we may have an opportunity of discussing and illustrating the matter further.

## THE OSCILLOSCOPE

From this brief and rather broad outline of how the cathode ray tube works, we pass on to the actual instrument here described. It is really fust about the simplest form of oscilloscope, but nevertheless has many uses to which it may be put.
The 913 valve needs a maximum voltage of 500 for best results. This is obtained from a standard power transformer having a rating of 385 volts per side. The current drawn by the tube is very, very small-about 250 microamps. To all intents and purposes, this is no drain at all. Now, if we use an 8 mfds , electrolytic smoothing condenser across the output of a standard 80 rectifier, the voltage output from this rectifier will be equal to 385 volts R.M.S. which equals in D.C. output approximately 1.41 times 385. In practice, this will work out at about the 500

# - <br> A <br> 0 <br> 0 <br> C <br> H <br> N <br>  <br> D <br>  <br> E <br> K <br> Q <br>  <br> R <br>  

> A-Plate modulated with excessive bias or regeneration.
> B -Undistorted plate or grid modulation Tess than $100 \%$.
> C-Suppressor modulated'phone with erystal in the grid eireuit.
> D-suppressor modulated phone with separate R.F. driver tube, modulated approximately $100 \%$, (or with insufficient sereen modulation) 860 sereen-grid tubes without screen modulation
> F-Unmodulated carrier.
> G-Plate modulated. Regeneration and modulator overload or mismatch.
> H-Plate over-modulation with bad mismateh of class B modulator impedance
> I-Plate modulated. Insufficient drive to final to allow more than $50 \%$ modulation.
> J-Grid modulation. Excessive R.F. grid drive,
> K-Grid or plate modulated 'phone with improper neutralisation or detuned final amplifier.
> L- $100 \%$ grid modulation. Normal adjustments of $1 \frac{1}{2}$ times ent-off. Curvature due to high bias, M-Phase shift through speech amplifier. Approximately 60 modulation. No distortion in output.
> O-Plate or grid over-modulation. Too mech audio output.
> --Class B mismatched or insufficient. Corners on pattern indicate over-modulation. May be dus to excessive antenna load on transmitter.
> p - Insufficient grid drive with plate modulation.
> Q-Over-modulation. Too much audio input (audio distortion) with plate modulation,
> $\mathrm{R}-109 \%$ modulation, grid or plate modulation. Ne distortion.

## CONTROLS

There are three control knobs on the front panel of the oscillograph, one controlling the sweep circuit, and the others, intensity and focus. There is very little to be said about these. The intensity control actually varies the bias on the grid, the two potentiometers and the .25 meg resistor being virtually a voltage divider, from which variable "back-bias" is obtained for the grid. Thus, the intensity is controlled by varying this blas.
The "Focus" control varies the high tension voltage on the anode No. 1, and does actually operate just like the focus control of a camera.
The sweep control brings us to a discussion of the sweep circuit. Often we desire to examine the rise and fall of voltage in a circuit, and to that end we apply the voltage between one set of plates. The result is that the spot traces out a line which lengthens and shortens accordIng to the rise and fall of voltage. In order to find out just how this rise and fall occurs, say, over a small period of time, probably a fraction of a second, we must apply a voltage to the second set of plates, which will swing the spot across the screen in the opposite direction a regular number of times per second. This would be equivalent to
volts that we desire. The very low current drain of the tube allows us plenty of latitude in the smoothing cir-cuit-thus, a single 8 mfds . electrolytic is sufficient.

A point in construction should be noted here. The electrolytic must not be mounted on the chassis, as is done in the case of the ordinary radio set. Inspection of the circuit will show why this is, One of each set of deflecting plates, plus the screen and the metal shell, are tied together, and connected to B plus. Now, if we were to connect the circuit after the manner of the ordinary radio set, we would have the metal shell of the valve at a high potential with respect to the chassis, and this would be most undesirable. Therefore, we connect the filament side of the rectifier to the chassis instead, and place the negative side of the power supply up in the air. The chassis, of course, must also be connected to the positive or rectifier filament side of the circuit, which makes the full voltage difference between the chassis and the can of the electrolytic.

In our case, we actually made the box which holds the whole job slightly on the small side, with the result that both the rectiffer and the electrolytic had to be mounted below the surface of the base. The valve socket was held with a couple of longer bolts between two nuts, and a small aluminium platform was made to hold the electrolytic
(insulated by means of the washers which usually accompany these electrolytics). By using a can a ilttle higher, this would not, of course, be necessary. The hole through which the electrolytic projects is large enough to clear it all round.
drawing a graph in which rise and fall of voltage was plotted against time. The result is that the line traced by our voltage to be measured opens out into a series of waves, up and down, exactly as they would appear on our graph paper. The amount


A photograph of the oscillograph from above the chassis. Note the $亠$ watt 1 meg. resistors wired right at the socket.

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The panel from the front. Controls from left are: Intenstty, Focus, Sweep. The Sweep switch is at the right.
of this regular "sweep" voltage will, of course, control the degree to which the pattern will "open out"-a small sweep will give steep sides to the pattern; a larger sweep voltage will open it out still further, until possibly we are able to get just one cycle of the voltage to be examined on the screen, instead of a large number. This means, of course, that we have a better chance to examine its shape in detail.
In this oscillograph, we use a simple form of sweep, by picking up A.C. voltage from the power transformer through a small fixed condenser. The power shaply can reasonably be expected to have an excellent wave-form of itself, quite good enough to use as a check on the voltage we want to measure.

The control for the sweep is a poten-
tiometer determining just how much sweep voltage shall be applied. It is actually plcked up from one slde of the 385 volt winding on the transformer, as will be seen from the circuit.
We stress the point that the blocking condenser shall be of a mica type, capable of working at 500 volts A.C. We blew out several tubular condensers before finally using a high quality mica type. In the officlal circuit of the oscillograph, this value was given as .05 mfds. However, such a value of mica condenser is expensive, and we found an ordinary .01 to be quite satisfactory.
There are two switches. One turns the A.C. on and off, and the other throws the horizontal plates cither to the 50 cycle sweep circuit, as just explained, or to the terminals on the front


Under the base, showing layout and connections.
panel, in whtch position they may be used independently of the sweep.
The power transformer may be of the 60 mill. type, as there is practically no drain at all, and therefore no point in using any but a low-rating transformer. Also, the smaller, physically, the better

The tube socket is mounted, as can be seen from the photographs, on two long bolts which are fastened to the front panel, the socket being held between two nuts on the boit itself. We couldn't get a $1-8 \mathrm{in}$. bolt long enough for the job, so we used a heavy nut, into which the ends of two bolts were threaded, the nut being then sweated into a strong joint with solder. This will be found a simple way of obtaining an extension.

The actual construction and wiring of the aseillograph is so simple that our photographs show almost every wire. They are quite sufficient to give the constructor an excellent idea of layout and wiring.

## OPERATING THE OSCILLOGRAPH

Having wired up the job, not forgetting to specially check over the socket connections to avoid mistakes-the connections are unfamiliar-the power is switched on. Using a 600 volt electrolytic will prevent it being overloaded with the full voltage of the power supply. Turn the centre, or focussing control, about half-way on, and rotate the intensity (in our case, left-hand control) until a spot appears on the screen. The intensity control will vary its size and brilliance, and it can be sharpenedup with the focus. Don't run it at any time brighter than is necessary, and never leave the spot stationary for more than a few seconds at a time. A bright spot will wear the screen quicker than one moderately brilliant, and a stationary spot will tend to over-heat that portion of the screen, and burn off the coating at that point.
Now switch on the sweep switch, and rotate the control. Immediately the spot will lengthen out into a line which can be made to run right across the screen. Probably a little more intensity will be needed to hold the brilliance of the picture, as the spot is now covering a much larger area. If the "hot" plate of the other pair is touched with the finger, the line will be seen to change its position, under the influence of the slight unbalance introduced into the free plates,
Incidentally, if the line of the sweep is not horizontal, rotate the socket until it is. For this reason we have used an Amphenol socket, which can be so rotated on removing the key-plece from the metal holder. Keep your hands off the electrolytic shell, or you may collect 500 volts. It's a good idea to make a cardboard shield for this can.

## USING THE JOB

To observe the waveform of a modulator, we throw in the 50 cycle sweep. and bring the line to the desired brilliance and focus. Across the output of the amplifier we place a couple of resistors-in our case, with a rather large modulator, we used a 2 meg. resis-
tor in series with one of 100,000 ohms. With an amplifier of, say, 5 watts or so, a 1 meg, resistor may be used. Experiment will enable the best balance of values in the divider system to be obtained.
The vertical plate is connected to the junction of these two resistors, and the other terminal to the chassis or B negative of the amplifier. If the ampliffer is operated, the line will trace out the audio envelope of the output.
If we run the output of an audio ascillator through the modulator, operating on some multiple of 50 cycles, we will be able to make the pattern "stand still," so that we can observe the shape of the envelope, and observe how closely It approaches the pure sine wave. If a frequency record is obtainable, so much the better. With a good pick-up and record the output should be pretty good in wave-form. In any case, should there be some distortion of the wave, even at low levels, one can be sure that it is not due to overloading. You will see this in the flattening of the audio peaks, etc., as the amplifier is pushed beyond its limits. It is possible that the pickup and record do not provide a clear output.
In order to get few patterns on the screen, and thus obtain better detail of the waveform, we suggest that a low audio note be used, and that the full swcep voltage be applied. Of course, at different audio frequencles different things may happen to the amplifier, so

that we can't avold having a fair number of wave-crests on the screen at once, as the frequency is made higher. With a constant tone record, varying the speed of the gramophone motor will allow enough variation to strike several multiples of 50 cycles.

It will be noticed in all measurements with the 50 cycle sweep that the pattern is shown twice on the screen. This is because the spot traces it once as it sweeps across in one direction, and again as it returns. More elaborate oscillographs have a "saw-tooth" oscillator controlling the sweep, in which the return of the sweep is almost completely eliminated from the picture. For our simple observations, however, the double image doesn't matter very much.
FOR AMATEUR TRANSMITTERS
In our opinion, every amateur transmitter should have an oscillograph of this type to check over his transmissions. It is not possible to get such a quick and accurate check on transmission in any other way, and in many cases it is impossible to get satisfactory adjustment without its ald. Here we will

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show just how it is possible to get pictures of transmission.
First, the Modulated Envelope. We do this by throwing in the 50 cycles sweep, and feeding into the other plates some R.F. energy from the transmitter final plate coil. A couple of pick-up turns are coupled to this coil, and fed through a pair of twisted leads to the oscillograph. A better method is to make a link of this coupling, and use a tuned circult close to the oscillograph, as per our diagram. By tuning this circuit we can adjust the amount of voltage applied to the plates without making delicate and possibly very awkward adjustments to the coll coupling at the transmitter. Incidentally, this coupling should be done at the low potential end of the transmitter coil.
As the R.F, voltage is applied to the plates, the line of the sweep will broaden out into a green band. This represents the carrier, just as we have been used to drawing it. Now, as we speak into the microphone, the carrier is broken up into wave-forms. If we apply a steady tone to the modulator, at a multiple of 50 cycles, we will find the carrier rising into regular peaks, and descending into regular hollows, something like the diagram shown with this article. This is, of course, Identical with the well-known drawing of a modulated envelope. In our picture, "A" represents a partially modulated carrier, and " e " one modulated 100 per cent. Such a picture indicates that the positive and negative peaks of the carrier are equal, and is the ideal which is rarely reached.

To calculate the percentage of modulation by this method, first measure the width of the carrier band, unmodulated. Now, with the amount of modulation required, measure the distance between the peaks of the envelope, shown in our diagram as D2. Subtract D1 from D2, divide by D1, and multiply by 100 . This gives the direct percentage. Careful measurement on the largest undistorted picture possible with the valve, should be used for this measurement. One soon finds that to obtain 100 per cent, modulation, without losing the equal rise and fall of the peaks, or flattening of either, is not an easy matter, but one which calls for careful adjustment and knowledge.

## THE TRAPEZOIDAL METHOD

The most useful pattern to trace is the trapezoidal pattern. To obtain this, we feed the R.F. output of the transmitter into one set of plates, and portion of the modulator output as a "sweep" into the other.
Applying the unmodulated carrler to the oscillograph will give a straight line (figure F in our collection of patterns), which should be adjusted to about halfinch or rather less, in length, Now, as we speak into the microphone, a figure
will be traced which looks something like figure R - If we are lucky. It is more likely to resemble some of the other pictures, each of which indicates some fault in adjustment. It would take pages to explain the pros and cons of each one, so we shall be content with giving a sheet of the most commonly obtained figures, each representing a fault, or faults, together with an explanation of what each means.

Unfortunately, space will not permit a more detafled recital of the virtues of the osclllograph. From these notes. anyone should be able to build one, and put it into use. Experience will teach more about it , and its value, than pages of type. Personally we would not be without it, once having learnt to rely upon it.
To calculate modulation percentage with the trapezoid. Divide the difference between the wide end of the trapezold and the narrow end, by the sum of these two dimensions and multiply by 100 .


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## THE INVERSED FOUR

## (Continued from Page 52.)

 of the set not drawing any high tension current.When the set is first switched on the rectifier valve should be watched for blue glow, sparks, green lights or any unseemly internal behaviour. If the filament heats up to a dull red all should be well, but otherwise if there are flreworks inside a short circuit of the high tension is indicated and you can look for stray pieces of solder across socket pins and that sort of thing.
A blue glow or a purple mist in the 42 is not an indication of trouble, however, and the rectifier valve is the only one which will indicate trouble in this way. If all is well the rotation of the dial and the adjustment of the volume control should bring in some stations, and selecting one near the middle of the dial the two adjusting screws on the gang condenser should be turned to get maximum volume for the least setting of the volume control. While this job is being done the volume control should be adjusted to keep the output of the set at a whisper so that changes in volume level are more easily noticed and the adjustment of the screws can be more accurately carried out.
It will be found that the volume control action is as follows:- Starting from weak the advancement of the control will bring up the strength of the station to full strength and then plop out to silence just before the control reaches the full on position. This is normal and does not indicate a fault in the volume control. In some cases advancing the control too far will make the set oscillate, which is indicated by a shrill squeal in the speaker. The set must not be operated in the squealing condition, perhaps needless to add.


Should the tone of the reproduction be too shrill to suit your taste it can be modifled by altering the value of the .0005 mlca condenser. The use of a .001 will give a deeper tone, and a .002 will give that "boomy" tone which ill-informed people regard as "mellow."
? you follow out the instructions there should be no troubles, but if you find yourself in doubt don't forget that we have a radio information service which will be pleased to help you. Rules governing the service are shown on the coupon which is printed on another page towards the back of this issue.

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NEW stations and stations audible for the first time in Australia continue to make their appearance, and add to the thrills experienced by the eager short wave enthusiast. The keen listener who gives close attention to almost any band below 70 metres will be well rewarded during the next few months. We are now in the season of the year when eny of the elusive South American and European stations may be heard, particularly during daylight and early morning hours. During the past week a station has been heard testing which should prove a boon to Australian listeners. It is KZRM, of Manila, in the Phillppine Islands, operating on 31.35 metres, or 9570 k.c.'s. The new station has been heard from about $7.30 \mathrm{p} . \mathrm{m}$. onward at excellent strength, and will be found between 3 LR and YDB, and in some localities and on some receivers will no doubt heterodyne 3LR. Mr, J. N. Prior (Coonamble) reports hearing for the first time at 8.30 pm , on May 31, KVRM (? KZRM), on about 31.4 metres, It opened with an American announcement, Spanish programme until about 9 o'elock, and then an entirely English (or, rather, American!) until late at night, Mr, Prior depicts KZRM as an excellent station and one that should provide good short wave entertainment if operating regularly. Mr . L. J. Keast (Randwick) reports hearing KZRM at 8.25 pm , on May 29 , but by $10.40 \mathrm{p} . \mathrm{m}$. it was "just roaring in!" Mr. Keast considers it rather fortunate that 3LR is rather weak and largely "off the air" at present, otherwise there would be some trouble between 3LR and the powerful signals of KZRM. Mr. Athol Stean (Temora) says that KZRM is being heard well in that locality also.

On various occasions references have appeared in these notes to the new station, CR7AA, from which Mr. J. N. Prior (Coonamble) informs us he has received a veriflcation, and which shows the station's schedule as follows: Week days, 2.45 to $3.30 \mathrm{p} . \mathrm{m} ., 7.30$ to 9.30 p.m., 12.30 to 2 a.m., and 3.30 to 7 a.m. On Sunday CR7AA is on the air between 9 and 11 a.m., whilst its Monday morning schedule is 1 to 3.30 and 4.30 to $6.30 \mathrm{a} . \mathrm{m}$. Continuing, Mr. Prior says that it is beyond his comprehension that correspondents have not been reporting the Lisbon station, CSW, which operates on 27.17 metres. He considers that for months it has been the most consistent station on short waves. Overseas journals quote CSW as opening at $6 \mathrm{a} . \mathrm{m}$., but Mr. Prior reports hearing it excellently as early as $3 \mathrm{a} . \mathrm{m}$. It is, however, strong later in the morning, and around $8 \mathrm{a} . \mathrm{m}$. is clear, strong, and free of all distortion or other extraneous noises, It's call-sign is seldom heard, but the station is easily logged. as it is the only one on that band at that time.
On Sunday afternoon we plcked up
what appeared to be one of the many South American stations operating just above GSB on about 31.57 or 31.58 metres, Strength reached full speaker

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## by R. N. Shaw <br> STATIONS

towards $3.30 \mathrm{p} . \mathrm{m}$., and as the station was closing at 4 p.m. a few words in English were spoken very rapidly, but sufficient was understood to locate the station as "The Volce of Mexica City." Mr . Prior (Coonamble) was also disillusioned with this station, which he thought was HJ1ABE until he heard a reference to Mexico. He thought wave length was about 31.57 , and that the station might be XEFT or XEDQ. However, the station is so strong that any Histener can tune it in without any difficulty after $3 \mathrm{p} . \mathrm{m}$. on Sunday. Another station which listeners might give some attention to is one mentioned some time ago by Dr, Gaden and Mr. Prior. It is HI8A 46.30 metres, of the Dominican Repubile, and is heard usually from about 10 p.m. until towards midnight. Announcements are made on either side of the half-hour. Mr. Prior also mentions hearing the Government Experimental Station, Rangoon, around midnight, and now 49.94 metres. English news was given from midnight to 12.20 , followed by native session. Strength is maximum speaker.

## STRONG EASTERN STATIONS

This week has provided excellent signals from various Eastern or Aslatic stations, of which transmitters in the Dutch East Indies are very prominent. From $8.30 \mathrm{p.m}$, the NIROM group, PMN ( 29.2 ), PLP ( 27.2 ), YDB (31.36), YDC (19.8), can be heard very strongly, with YDA (98.6) slightly weaker. Then towards 10 am. PMY, on 58 metres, makes its appearance, as does YDE2 (62.3). Up on 70 metres RW15 now provides one of the strongest signals heard in the late evenings. Mr. Prior (Coon. amble) reports hearing on several evenings the Chinese, CQN, of Macao, or 28.9 metres, 10 to 11.30 pm . On one occaston lately CQN was operating on 29.5 metres. Its volume is fair, but quality is not always the best. Mr. I. J. Keast (Randwick) has been puzzled by another station heard in the late evenings close to XGOX, which turns ant to be another Javanese. PMH, of Bandoeng, on 44.64 metres. The station is being heard well at present, als is XGOX, which operates on 43.3 metres, Mr. Keast wonders if the station mentioned by us as heterodyning 3ME would be HJIABE on 31.58 metres, This station opens each night at about 10 o'clock, but soon fades out. Is usually plays organ solos.

A comment by Mr. J. N. Prior (Coon. amble) reminds us of the old-time controversy regarding a station heard in the winter evenings on 35 metres. In reply to several contributors we stated that the station heard was the first harmonic of the well-known Russian, RW15 ( 70.0 ), but there were still some good folk who held to the opinion that Russia was operating on 35 metress direct. Mr. Prior has been hearing a station on 35 metres, and resolved
"sit it out" until he solved the mystery. At midnight the station closed with the Russlan Anthem, and he found that he had also been duped by a harmonic of RW15 !

## NEWS OF ALL STATIONS

Mr. G. W. Rouse (Potts Point) reports that TPA4 (25.6), of Paris, is now being 'heard well in Sydney, whilst he also logged the new Manila station, KZRM (31.35), at good strength, Thank you, Mr. Rouse, for schedule received.

A new contributor, but an old reader, Mr . E. Nicholls, of Tocumwal, finds that he is now badly bitten by the DX bug! Although he has followed these notes very closely, he says he has not seen
any reference to FYA, Radio Colonial, Parls, from which he has been hearing an excellent news service in English at $1.30 \mathrm{p} . \mathrm{m}$. This station is now known as TPA4 (25.6), and is regularly listed in our overseas stations schedule, Berlin (DJL, 19.8) comes in almost perfectly down south in the early morning sesston, as does GSD (25.5) in the afternoon, whilst JVN $(28.14)$ is enjoyed immensely in the evenings. But one of the mainstays is the Bandoeng group of Dutch stations. This contributor is using a "Wireless Weekly" converter coupled to a commercial recelver, and is getting fine results. Thank you, Mr. Nicholls, for kindly personal remarks. Will write you later,


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READERS' QUERIES J.G. (Bundaberg) thought that the Radio Hand. purzle page, god you may see an eariy anbook was grand, and sends his postat note for pouncement about this. Muny thanks for you a copy of the new "Call Book." He asks for the essential difference between a.c., d.c., and battery type valves. A--Battery type valves have directly heated fiaments with as fow a mament current and voltage as reasonably possible, D.O. valvos (for
d.e. mains) have a low current and high voltage, with well insulated indirectly heated cathoces. A.C, valyes have indirectly heated cathheater eurrent, but good insulation to prevent hum trouble.
C.S.D. (Dortigo) covers three topical questions when he asks "Explain the advantages and disadvantages of diode detection, telf me whether sirufer cores are good for short-wave tuning eoils, and as to the advantages of metal ralves over glass ones,
A. Such querles leave plenty of scope for ifs and buts. To sum up the answers in a nupshell, in our opinion the diode detection can geve beter quality than other forms in properly designed and londed wita a fairly heavy loss of selectivity which occurs, flattening the tuning of the last stage before the diode. We have Httle advantage on short-waves although some theoretical advantagits for broadoast wavevaives: the metal ones will break just as easily sitghtly dearer than equivalent glass types.

FiA. (Queanbeyan) wants to know how to combat interference from other sets nearby. unless they are old-style regenerative recelvers operating in an oscilating state. Whilst thers electrie motorm there is a law agalnst operating a recelver in this way, and you should ing the trouble to the Radio Inspector, Hay. market P.O. Buinding, Sydney.
J.P. (Edwardstown) wants a back number of 1933 issue.
but we do not carry a stock of crs betore 193.
J.K.MeM. (Roekdale) asks about the photographic competition.
The print should be alss to others on this subject. The print should be a glossy black for prefer-
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Iight on the water" photos and it wonld bo great break to get iomething striking original. especially if the technical side of the print is also good. The recent shor
$\qquad$ In the office, for if was a very fine photo in too, although doubtiens not every artist be agreed on that point.

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|  |  |
|  | Qualliy first. To the teehnically-minded rea |
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|  | using thempus push-pull transiotmer with type valves in the eintnet, and thero wis |
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|  | andow of doubt about both radio and gram |
|  | reproduction being far better with the stmp |
|  | 00. That sort or thing is fasty hard to leve, and our greatest difficulty with |
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|  | C6-2A3 amplffer has been to get readers |
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|  | try it. It looks so simple that it is hard bellevn that it wIII do what it does. We like the |
|  |  | crysta! plok=ipss, although they have really

too much outpat for this amplifer ame volume control has to be kept well back. T list at about $£ 4 / 10 / \mathrm{h}$, and a good motor will cockork motor from an old pramo, cablem in some cases, be even better than the exponsive electrics, except that you have to wind it up.
E.D. (Reckdale) wants advice about an r.f. stage for a short-wave set. be considered as interchangeable, Tha circui be considored the choke feed for the plate of the of with the choke leed for the plate of the r.f.
Yalve will give slightly loss gam, but maght be easfer to arrange. Coll winding data for the保 the extectly the same ats for the orlgin


June Hayter broadcasting to the other pupils.

Below: A pupil at Double Bay Public School tuning-in to 2FC for the School Broadcast.


AND
EDUCATION

## HOTSPOTS FROM HISTORY



EXCLUSIVE TO
(1) D D
radioplayers



RECENTLY at Campsie, Albert Russell and Reg Morgan of 2 GB were the star artists on a two and a half hour programme. In fact they were the only artists, for the other item was a gas cooking demonstration. Not only did these two popular personalities hold their audience throughout the long programme, yet, such is their fame as entertainers that when they arrived at the front door of the theatre they found that there were two thousand people already inside, and six hundred more clamoring for admittance. The harassed doorkeeper signalled to them to go around to the back entrance, as he was afrald to open the door again. When at last they got on stage they found that there wasn't even a piano stool available. It had been commandeered to help seat the audience.
What is the secret of their success? Well, Albert and Reg sum it up in the words: Ability to get in touch with their audiences from the word go. You've got to be able to sum up your audience with a glance. If it's cold, the sort that says "We've paid our money, now you go ahead and make us laugh if you can," then you start with a little bright singsong with numbers like "Tipperary," and "Pack Up Your Troubles." You get one side of the audience singing in competition with the other.


Albert Russell
Reg Morgan
Jack Wilson, Sales Promotion Dept.

## 

If they are a happy, easy-to-please audience, then a little comedy to begin with will soon have them pulling their weight with you.
But never try to alter the programme you have arranged to please your audience. It's your business to make them like what you have prepared for them. Of course, there's no rule against adding a few encores and spectals to suit them. If they're Scotch, give them "Annie Laurie," or a Harry Lauder song as a special favor. If there are returned soldiers among them, then a few wartime songs. If they are elderly people, then let them have a few songs of yes-terday-"Silver Threads Among the Gold," and things like that. Otherwise stick to your programme and don't get nervy, even if it takes you twenty minutes to get them on your side.
Finally, a good mixture of comedy is a sure way to success. Audiences like plenty of comedy these days-they probably always did.
Is Community Singing still popular? Ask Albert and Reg, and they will answer in chorus, "It sure is." 2GB's Wednesday Concert at the Savoy Theatre celebrated its eighth anniversary on Wednesday, May 26 . The Community Singing Concerts that Albert and Mrs.





Frank Sturge Herty took the opportunity of meoting in person same of the listeners who are keen about his Radio Adviser session.
Below: Captain Crosby Brown conducting the Police Band.


Vernon Sollars and Auntie Maude had o difference of opinion as to which was the botter conductor of community singing. So they put it to the test. And the result, by mutual agreement, was a draw.
Below: Rodway Gainford thought a little comedy would wash down nicely olong with the tes.



## Radio in Other LACES

THE ONLY COUNTRY in Europe which does not as yet possess a broadcasting system is Greece. However, the creation of four stations has been arranged. One of 100 kw . will be installed in Athens, another of 10 kw . in Salonica, and a third of 5 kw . in Corfu; the fourth, a short-wave station of 10 kw ., will be also installed near Athens. These four sti:tions, which are to be built simultaneously, should be ready about the middle of 1937.

AN AMERICAN has ordered a coffin to be made, supplied with a microphone. At his death this microphone will be connected with a loud-speaker installed in the cemetery guardian's house, and for a whole year it will be alive with current, so that were the American to awake suddenly he would be able to call for help at once. What is more, in order to set his customer's mind at rest, the undertaker made a written engagement to be sure from time to time, by means of a little bell, whether the apparatus installed in the coffin were in good condition.

- This week the photographic competition is won with "Sunlight in the Bush." by Geoffrey S. Curry, of 13 Princess Avenue, Homebush. Mr. Curry was also a winner some short time ago.

FIVE WEEKLY COAST-TO-COAST educstional features are creating records for that type of broadcast in the U.S.A., according to the U.S. Office of Education, which sponsors the educational radio project. More than 15,000 letters a week, they say, are pouring into the Office of Education, and the volume of mail is increasing weekly. A series called "The World is Yours" tops the poll in popularity, but "Answer Me This" is running a close second, so far as written tributes bear evidence. The other three educational programme items are: "Treasures Next Door," "Education in the News,"" and "Have You Heard?" To supplement the testimony of letters written out of sheer enthusiasm for the broadcasts of "The World is Yours" the Office of Education sent out a comprehensive questionnaire to the thousands of letter-writers. This questionnaire asks the listener's age, occupation, the number of persons listening in his home to the programme, whether the broadcast is afterwards discussed, and the kind of comments made as to matter, manner of delivery and reception.

AS IN FORMER YEARS. RAVAG. Vienna, will undertake this summer the rebroadcast of the most important part of the Salzburg festival programmes, which will be relayed by almost every station in Europe and overseas. Here is the exact schedule of the relays to be given:-July 25.-20.30: Coronation Mass, W. A. Mozart. July 30.-19.00: The Enchanted Flute, conducted by Toscanini. July $31-21.00$ : Irst Serenade, conducted by Baumgartner. August
2.-19.00: Don Giovanni, conducted by Bruno Walter. August 4.-20.00: Orchestra Concert, conducted by Richard Strauss. August 8.-11.00: Orchestra Concert, conducted by Bruno Walter. August 9.-19.00: Falstaff, by Verdi, conducted by Toscanini. August 14.-11.00: Orchestra Concert, conducted by Ioscanini. August 20.-17.00: The Master Singers of Nuremberg, conducted by Toscanini. August 23.-21.00: .Sixth Serenade, conducted by Baumgartner. August 24.-19.00: Richard Strauss's Knight of the Rose. August 27.-11.00: Orchestra Concert. Beethoven's Ninth Symphony. August 29.-11.00: Orchestra Concert, conducted by Toscanini. August 29.20.30: Sixth Domeoncert, conducted by Joseph Messner. August 30.-19.00: The Wedding of Figaro, conducted by Bruno Walter.

THE NEW RAVAG broadcasting centre in Vienna, actually in construction, will comprise 16 studios altogether, Moreover, some'space has been specially reserved in order to proceed, if need be, to the installation of other studios.

THE EGYPTIAN MINISTER OF EDUCATION is to spend $£ 130,000$ on a svstem of communal recelvers so the peasants may hear instructional talks.

FRENCH STATE STATIONS will in future choose their announcers by competitive examinations; salaries will be 1500 francs a month in Paris and 1200 francs a month in the provinces, with al. Increase of 200 francs a month every twe years.



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    MELBOURNE,
    770 Kilocvcles
    The Mmitionaire Gansstor, "

[^1]:    6.50: Cbimes 631 . 'Good Morning" Melody
    5.34. Westher Notes and Aviation Fhrecents 6.34. Weather Notes and Aviation Porecsats
    6.10: Shlpping. Mnil and Grain Reports 6.10: Shipping. Mnil and Grain Reports.
    Hhat's on Fo.day? The Sporting Diary.
     0: Music. 7.30 . Weather Butletin and Nows 10.31 : Hopsentwes Morning Tra 8ession B B.C Symphony Orehestra: Corollon Overture 10.40. Morning Hymn, 10.44 : Cathedral Chimes 10.45: Dally Broadeast Fervice, Undet the aunplex. of the Courien or Charches Preacher Adfutant $W$, rent, for Salvation Army. 10.53, Interiude. the Agricultuka! Bureat Calk to Women of by Miss 2lite Campbell
    1.15: De Groot and dhe Orrigentra, In zelertions from Other Days, Ievise (Charpentier) Bamson and Delila (Baint-Brenst
    11.30 : Gems
    11.45 : Music.
    12.0: \#ducational Broadcast hy Rev, L. E, Brad"nary.
    Papus
    12.15: The Home and Abroad,". A News Cons 17.30: Grain Reports and News. 1235: Officla Stock Exchange 12.10 : Weither and Rive Reperts Avistion
    2.45. Juncheon Mus
    1.57: Weather, River and Grain Reports. AviaHoz. 2.0: Close.

[^2]:    Showing how the oscillograph is connected for a trapezotdal pattern. R1 is 2 megs, and R2 is 100,000 ohms in our case. Sometimes a stabilising resistor of 10.000 ohms is wired between the terminals marked YY. A check on the modulator wave form may be made by leaving the connections undisturbed and switching over to the 50 cycle sweep.

