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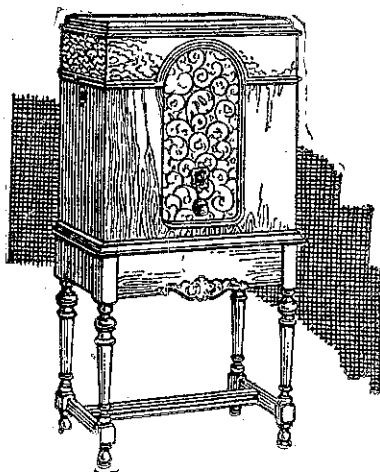
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WELLINGTON

# Radio News of World

A NETWORK of fifty-one police wireless stations distributed throughout France is provided for in the Budget of the Ministry of the Interior for 1930. The central transmitter will be the Eiffel Tower, says "The Daily Telegraph," and the calls will be made at an hour's interval during a certain part of the day. Photographs and finger-prints will be included in the transmissions. The receiving stations will be specially equipped for short-wave reception, and their duties will include watching foreign transmissions and searching for illicit stations.

ACCORDING to the B.B.C. at least 3,000 schools up and down the country are known to be taking one or more of the broadcast courses. Little information is forthcoming regarding the type of quality of the sets employed, though the B.B.C. engineers undertake to inspect sets and give advice when requested to do so. As an indication of the importance the London County Council attaches to broadcast lessons it is significant that steps are to be taken to ensure that only the best and latest design of receivers are to be used for the work, with power supply from the electric mains.

THAT broadcasting for love is a thankless task is the discovery of the Radio Club of Burma, which has received numerous complaints from Rangoon that its programmes do not come up to the expected standard. More in sorrow than in anger, the president of the club is asking the Government to erect a powerful station which can be heard all over the province. The Radio Club's transmitter has a power of only 750 watts, and funds are scarce owing to the fact that the club, unlike the broadcasting companies, draws no revenue from the wireless import duties.

WHILE Britain continues to dally with the project for an Empire broadcasting service, the United States has secured a new mouthpiece for national and commercial propaganda in Canada by the inclusion of station CKGW, Toronto, in the National Broadcasting Company's network. CKGW broadcast its first N.B.C. programme on the American Thanksgiving Day (November 28), and will in future relay to

Canadian listeners regular programmes from New York, Washington, and other cities of the United States.

THE research ship Discovery II, which has left London on a three years' voyage of scientific exploration in the Antarctic will keep in direct communication with Britain throughout the voyage by short and long wave transmitting and receiving equipment. A direction-finder and a quenched spark emergency transmitter has also been fitted. The short-wave transmitter is capable under favourable conditions, of world-wide communication; and to keep in touch with ships and shore stations over distances of 1,000 miles on wavelengths of 600-800 metres, a medium-wave transmitter of 1½ kilowatts power will be used. The receiving apparatus will enable the explorers to hear all the principal long and short wave stations of the world, while for purposes of navigation the direction-finder will be of particular value, especially in Polar regions where the ordinary magnetic compass is subject to considerable errors.

TRANSMISSION tests with waves of three metres are referred to in the German amateur periodical, "CQ," which states that success on these high frequencies has been attained by Dr. Karl Store by means of a special arrangement of super-regeneration circuits. Transmitters and receivers functioning very efficiently on "the 3-3.40-metre waveband" are reported to be constructed with ordinary commercial apparatus, while a 2-metre wave is said to be attainable with the use of special valves.

CERTAIN French amateurs who are distracted by oscillators and other "anarchists of the ether" are considering the initiation of a campaign similar to that of the Dutch Radio Union. The sufferers in Holland are preparing for a systematised "day and night struggle" with all forms of radio disturbance, personal and otherwise. A permanent office has been established where complaints will be received and action taken under legal advice.

A UTOPIAN dream has been realised by the U.S. Bureau of Standards in the acquisition of Pleasant Valley, Fairfax, Vancouver, as an open-air radio laboratory. The site, covering 100 acres of abandoned pas-

ture land, is flat and relatively free from trees, and is believed to be almost ideal for its purpose, viz., the study of fading. Ordinary overhead aerials are to be dispensed with, the antenna system being limited to a vertical rod about 55 feet high and a number of direction-finding loops. To obviate "man-made-static," the power line for replenishing batteries from the mains can be disconnected.

THE new Belgian Wireless Bill has passed successfully through the Chamber of Representatives, and is now awaiting the approval of the Senate. The Bill gives the postal administration complete control of broadcasting, which will be directed by a National Wireless Institute, operating two high-power stations broadcast in French and Flemish respectively. The council of control will include a number of independent personages, including four technical authorities, and will be presided over by the Belgian Postmaster-General.

THE number of wireless licences in England is growing at a more rapid rate than ever. Up to the end of November it had reached 2,914,521, an increase of 47,000 compared with October. The B.B.C. estimate that at the end of May this year one house in every three in the British Isles contained wireless receiving apparatus. The corresponding ratio in the United States of America is one in five.

IT has recently been decided to erect in Moscow a Broadcasting House, which it is intended will contain no less than twenty-seven studios. Acoustic control of each studio will be effected by means of movable wall and ceiling draperies. A laboratory for radio acoustics, electro-acoustics, and an experimental studio for phonofilms, television, etc., will also be housed under the same roof. There will also be a radio museum, an experimenter's exhibition, a library for books and music, a library for phonofilms and phonograms, a reading reference library, and the archives of broadcasting. On the engineering side there will be a large power-house, complete with several groups of machinery, including balancing systems, generators, rectifiers, and amplifying apparatus together with a large accumulator installation and control switch-board. Construction is expected to begin shortly, and completion of the building is anticipated within two years.

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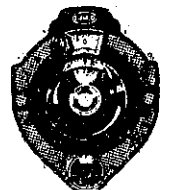
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VELMO

*"The Arcadians"**Programme from 2YA*

EXCERPTS from the fantastic musical play "The Arcadians" will be heard from 2YA on Friday evening February 28.

Apart from the catchy tunes, "The Arcadians" has an interesting story. When James Smith of London falls from an aeroplane into Arcadia he scandalises the inhabitants by telling a lie. For this heinous offence he is ducked in the Well of Truth, where he is transformed into a cherubic, scantily-clad Arcadian. He is dubbed Simplicitas, and, accompanied by two Arcadian girls, Sombra and Chrysea, sets out on a mission to convert the wicked citizens of London. The three Arcadians make a dramatic appearance on Askwood racecourse, where Jack Meadows, who loves Eileen Cavanagh, is backing his own horse, "The Deuce," to win the Corinthian Stakes. Doody, the jockey, having been put out of action, "The Deuce's" prospects look black until Simplicitas saves the situation and rides to victory.

The Arcadians then become the fashionable craze. Mrs. Smith, who fails to recognise her husband in Simplicitas, opens an Arcadian restaurant, where a Well of Truth is set in the midst of a painted canvas glade. All goes well till Simplicitas tells another lie, whereupon the Arcadian cherub is transformed into the bewhiskered, henpecked James Smith. Sombra and Chrysea, realising that their mission is a failure, return home, whilst Jack and Eileen plan their own Arcadia.

*An Early Morning Broadcast**New Zealand Welcomes Chichester*

A WELCOME deviation from the usual routine of broadcasting was afforded listeners to 2YA on Thursday morning last, when this station went on the air at 8.40 to broadcast the arrival of the New Zealand airman, Mr. F. C. Chichester, who was arriving by the Maunganui from Sydney, whence he had flown from London. Just before we were taken over to the "improvised studio" listeners were accorded some selections of excellent music. On switching over to Queen's Wharf the cheery voice of Mr. Ball told us the station was broadcasting from an observation point in a box of one of the huge frames on that wharf. This is one of the most novel points in which the microphone of 2YA has found itself. It can be seen in the centre of the photograph depicting the lowering of the aeroplane.

After having described the huge crowds that were assembled to welcome the intrepid New Zealand aviator, Mr. Ball diverged a little to discuss modern development and how it was exemplified in the scene that was being enacted before him. "Before me lies a huge liner, up-to-date in every respect, almost like a floating home. How this contrasts with the crude shipping of our forefathers who came to these shores a hundred years ago. On the wharf I can see moving-picture men recording the whole proceedings

on film, thus making eternally a record of this scene. Then there is the broadcasting: another marvel of the age. From this viewpoint we are telling the whole of New Zealand that this gallant airman has arrived. Only a relatively small number have the facilities to see him, but all can hear of him through this modern marvel. He himself flew from London to Sydney in a small 'plane that is to be carried round the town on a motor-lorry—another marvel. Had the weather been fine, several 'planes from the Wellington and neighbouring aero clubs would have gone up to meet him. Thus from every aspect this is a scene typical of the modern age."

THIS was an excellent picture to paint, but the announcer in trying to paint a different picture for the fairer sex failed completely. "Were I a fashion designer, I should probably be able to convey to you something of the gay appearance of the young ladies who have been deputised to accord Mr. Chichester a rousing welcome," and then Mr. Ball told us of the "pinkies" and "blueys," the "greyies" and the "brownies" in which these young ladies were dressed. The interlude, although not as enlightening as the announcer would wish, was most amusing. The young ladies are seen in the photograph below.

(Concluded on page 8.)

*Girdling the Earth**A New Era*

WITH the establishment of a regular wireless telephone service between England and Australia, another stage in that unceasing process of annihilating space which is characteristic of our time has been passed. This development is an event of extraordinary interest and importance, for it is obvious that present methods of intercourse will undergo a revolutionary change when people are able to talk to one another from the remotest places on the earth as easily as if they were in the same room. And this is what the new development implies.

Sooner or later, wherever there is a telephone, it will be possible to communicate without hindrance or loss of time with any portion of the globe. It is evident that we are at the commencement of a new era in international communication. The wireless telephone service which will link the farthest corners of the earth by speech will before long present them visually to each other.

It is almost impossible to imagine the world without telephones. Business has changed fundamentally through their use, and the present age is coming more and more under the sway of personal intercourse.

The extension of wireless telephony, with its at present barely guessed possibilities, will undoubtedly turn what is at present almost a novelty into a normal procedure. It is producing a faster and smaller world; and there seems at least a reasonable hope that it will produce a better one.



Mr. F. C. Chichester welcomed to New Zealand after his solo flight from London to Sydney.

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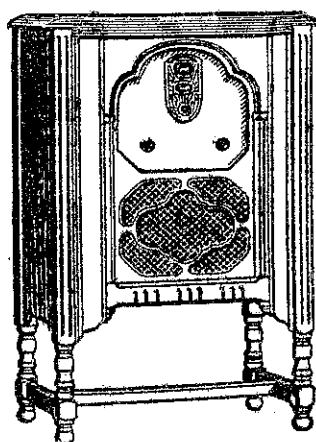
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### Topical Verses

(By Aunt Jean.)

The following verses, composed by Aunt Jean, of 1YA, delighted the listeners to the children's session on Friday, January 31:—

**GOOD** evening, Radio Family,  
The holidays are done,  
And off to school you go next week,  
To work hard, every one.

Perhaps some are just starting school,  
And the Primers are such fun,  
It won't be very long, wee tots,  
Till you're in Standard 1.

And if you are in Standard 1,  
Good girls and boys like you,  
I'm very sure we soon will find  
You're all in Standard 2.

And if you are in Standard 2,  
We hope next year to see  
Through working very hard each day,  
You're up to Standard 3.

And if you're up to Standard 3,  
There's things for you in store,  
A little harder work, no doubt,  
Brings you to Standard 4.

And if you're up to Standard 4,  
And very much alive,  
I guess it won't be very long,  
Before you're Standard 5.

And if its Standard 5 you're in  
(I'm almost in a fix),  
Well—you've only one more step  
to go  
To get to Standard 6.

And if its Standard 6 you're in,  
I'll give you here a "tip,"  
If you will work and concentrate  
You'll win a scholarship.

And so my dears, wher'er you be,  
Work hard with heart and brain,  
And you'll find it won't be long  
Till holidays again.

Well, listen-in, listen-in,  
Yes, listen night and day,  
You'll hear the best of everything  
From Station 1YA.

Can you solve a difficult problem?

See

"TRIALS IN TACT"

(on page 27 of this issue).

### Reversing the Order

#### Lost Child Requests Broadcast

THE way in which broadcasting has entered into the lives of the rising generation was exemplified recently at 3YA. Two small boys, one in a tearful state and much agitated in mind, came to the studio.

The smaller boy was lost in the city, and did not know his way home. But he knew Aunt Pat, and he felt that if he could get to 3YA he would get help there. So, guided no doubt by the towers, the two lads reached 3YA, and they endeavoured to explain the predicament in which the lost one was.

On a suggestion being made that they should have asked the first policeman, the child tearfully exclaimed: "I don't want a policeman. I want to be broadcast." However, the broadcasting service was not required to be requisitioned to advise anxious parents and request aid. When the child's name was ascertained, a ring on the telephone was sufficient.

3YA has sent out many messages asking for information regarding lost children, but this is the first time a lost child has sought the aid of 3YA to find its parents.

#### Mr. and Mrs. Frank Moran

#### To Broadcast from 3YA

THE roll of Christchurch broadcasting artists has received a great acquisition in Mr. and Mrs. Frank Moran, character and comedy performers, well-known to listeners-in to 2YA. Mr. Moran has now taken up his residence in Christchurch, where he is opening a branch of the Wellington firm with which he has been engaged. He makes his debut at 3YA on Saturday, March 1.

There is little of the English-speaking world where Mr. Moran is not known. He was with the Australian troops during the war, and he formed companies of entertainers which became great favourites with all troops. They were known as the "Flying Kangaroos" and "The Green Diamonds." He has travelled with Fullers, George Storey, Walter George, and New Zealand Diggers, and became well known as a performer in pantomime shows. It was in Australia after the war that he joined Pat Hanna and became a very popular member of his company.

Mrs. Moran is also a highly talented entertainer. She received her training in England, and has been associated with many prominent performers on the English stage.

**Mullard**  
THE MASTER VALVE

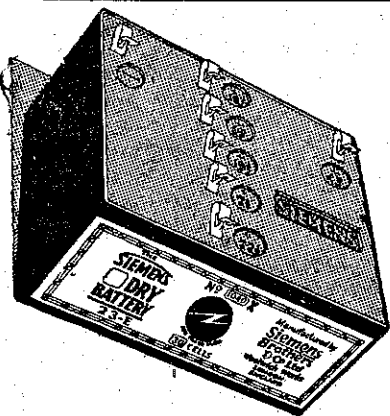
The only Valve with  
the wonderful P.M.  
Filament. Gives longer  
life — more power —  
greater volume.



## Radio News

A NEW YEAR'S greeting in thirteen languages was broadcast over a coast-to-coast network of stations in America recently. Station W2XE also transmitted the programme on short-wave for the benefit of other countries. Ten musical organisations, each playing musical selections representative of the countries reached by the broadcast were heard during the presentation.

AN amusing sidelight on the practical applications of television comes from Chicago. Mr. Austin Rahe, a New York television expert who was present at television demonstrations at the Annual Chicago Wireless Exhibition, said: "If actresses do not put on make-up and plenty, of the blackest kind, they are going to look like animated pumpkins on the television screen, and if they do put on plenty of make-up they will look like aged walrus in the studio! It is just about the most disconcerting problem which television has ever met." From this it would seem that the actress may pay her penny and take her choice as to whether she will look her best or her worst in the studio or on the screen; she cannot have it both ways.



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## Radio for Aircraft Making Sound Visible

## Lesson of R100

DURING the past week testimony has been borne to the value of radio as a means of guiding aircraft.

The utility of wireless in this connection is well recognised in England, Europe and the United States and the case of the British airship R100 remaining over the English Channel all night without land in sight, has called attention to the relation between various forms of wireless communication and air travel.

The cables report that at all times the commander of R100 knew exactly where he was, having constantly taken cross-bearings by wireless. Thus it was a simple matter to calculate his position. There is a strong body of opinion in Australian radio and nautical circles that the airways of Australia and the future airways in New Zealand should be made safe by means of radio. On at least three occasions during her historic voyages, the Southern Cross was in imminent peril which could not have persisted had the necessary wireless facilities been available to enable the airmen to learn their exact position.

Experts are of opinion that for trans-continental aircraft air-beacons should be established at such places as Broken Hill, Alice Springs and Longreach. With direction-finding gear on planes, these air-beacons would enable airmen to fly in safety between Sydney, Melbourne or Brisbane and the Northern Territory. Other radio beacons could be established in connection with the traffic between Melbourne, Sydney and Brisbane. There are three principal methods by which aircraft in flight can be assisted by radio, all of which might be used with advantage to develop Australia's airways. Following are the methods:—

1. The use of a transmitter and receiving set on a plane by means of which an airman can signal to ground stations. The latter, being fitted with direction-finding apparatus, can in a few minutes plot the precise position and acquaint the aviators.
2. A station can send out two signals at an angle of about 90 degrees. These are received by the pilot. Provided that they blend at equal strength he knows that he is travelling straight for the signal; otherwise he must veer either to the right or the left according as the signals come in strong or weak.
3. A plane can carry direction-finding apparatus by means of which it can fly straight to a given station—either a broadcasting or a wireless beacon.

The experience of other countries has shown the value of wireless in this connection, and by means of one or more of the methods indicated experts could readily work out a practical scheme for Australia.

"N.Z. Radio Listener's Guide"?

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## A Recent Invention

BY means of a new device called the "projection osiso" it is now possible for vocal and instrumental artists to see as well as hear the sound waves produced while singing or playing. The sound waves are intercepted by a microphone and are conveyed electrically to an "osiso," which consists essentially of a delicately suspended mirror that oscillates in unison with the received sound waves.

A beam of light directed on this mirror is reflected by it to a system of revolving mirrors which in turn reflect the beam, and thus project it upon a screen which may be viewed by any number of people. When all is quiet around the microphone, a long white line is seen upon the screen, but as soon as any sound reaches the sensitive electrical ear the white line is agitated into waves. The form of these waves varies with the sounds producing them, and they range from gentle ripples, produced by low, pure tones, to the most intricate of patterns produced by loud complex chords and sounds.

Two practical investigations are being carried out with the aid of this instrument, the possibilities of which seem almost endless. Firstly, it is being used to study the construction of pianos and other musical instruments in order to improve them. For example, if successive notes on a piano are struck with the same force the osiso screen may indicate that some notes produce distinctly larger waves than others. This shows that these particular notes, owing to some peculiarity in the construction of the instrument, produce louder sounds than the rest.

Another application of this instrument is that of helping the musical student to improve his technique. The sound waves produced by the touch of a master pianist differ from those produced when the same keys are struck by an unskilled hand. Permanent records of the wave patterns produced by distinguished musicians have been made by means of the older photographic type of osiso, and, with these before him, the student can endeavour to reproduce them on the screen of the projection osiso. It seems certain that improvement can be attained in this way.

## Trouble-Finding

IT will be good news for set owners who experience troubles that they cannot definitely locate to know that a trouble-finder of high technical qualifications is making himself available in Wellington. He is Mr. D. Neill Keith, of Dundas Street, Seatoun, Wellington. The credentials possessed by Mr. Keith are of the highest nature. His experience with wireless goes back to the earliest days. It was in 1906 that he first became interested in wireless as a hobby. In 1916 he was one of the first five officers posted to the Wireless Testing Park, controlled by the Royal Flying Corps. Here he gained invaluable experience in all phases of radio work, and after the war he remained in association with the British Government Wireless Experimental Station, Biggin Hill, Kent. After being "demobbed" he joined Metropolitan-Vickers as Technical Radio Engineer, and represented them on the committee of the National Association of Radio Manufacturers, which was responsible for the inception of broadcasting in Great Britain. Latterly Mr. Keith has been associated with Metropolitan-Vickers in New Zealand. Servicing of sets and trouble finding of every nature will be undertaken by Mr. Keith.

## Reception from Australia

OF late the Australian stations have been coming in with something like their normal vim. "Switch" would assess the average volume of the Australian stations as follows, giving 2BL, Sydney, first place with 10 points; 2FC, Sydney, 8 points; 2GB, Sydney, 6 points; 3LO, Melbourne, 5 points; 4QG, Brisbane, 4 points; 2UE, Sydney, 4 points; 3AR, Melbourne, 3½ points; 3UZ, Melbourne, 3 points; 5CL, Adelaide, 2½ points. As previously stated, these are only the average, for on some evenings different points would be allotted. The Japanese station, on a slightly higher frequency than that of 4QG, Brisbane, has ranged as high as 5 points. Static, has, however, on several evenings been severe.

Obviously, the grosser errors in playing, singing, and speaking can be overcome with the aid of this instrument, since, with the eye to aid the ear, an error can be more readily appreciated and its correction effected.

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# The New Zealand Radio Record

—AND—

## Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

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Literary communications should be addressed: "The Editor"; business communications to "The Manager"; technical communications to "The Technical Editor."

Advertisers are asked to note that alterations of advertisements should be in hand Friday of each week for insertion in the succeeding issue, printed Tuesday, bearing Friday's date. No responsibility is accepted for blocks remaining unclaimed three months after each insertion.

N.Z. RADIO PUBLISHING CO., LTD.,  
P.O. Box 1032, WELLINGTON.

WELLINGTON, FRIDAY, FEBRUARY 21, 1930.

### SHORT-WAVE BROADCASTING.

**LISTENERS** will have been interested in the experimental transmissions carried out last week and to be repeated again this week between 2YA, 2ME, Sydney, and W2XAF, Schenectady. A certain degree of success was achieved in last week's experiment, and it is to be hoped that conditions will permit of still greater success being attained in the further tests. The purpose of these tests is to ascertain the possibility of Rear-Admiral Byrd, immediately on his return to Dunedin, coming before the microphone at 4YA and addressing the radio audience, not only of New Zealand but of the United States, on the results of his long visit to Antarctica. The American radio audience is naturally keenly desirous of hearing Rear-Admiral Byrd as soon as possible, and it is hoped that by means of his speaking to 4YA, and that being picked up by 2YA, either direct or by land-line, thence relayed through 2ME, Sydney, W2XAF, Schenectady, may be able to receive the Rear-Admiral's voice and convey his remarks to radio listeners in the United States. That is the purpose behind the tests, and it is sincerely to be hoped that the technical skill and atmospheric conditions will be such as to enable a successful outcome to be attained although it may be that full success will not be achieved until Admiral Byrd reaches 2YA.

**OPPORTUNITY** has been taken of this proposal and the experimental tests to revive in the public Press the suggestion that New Zealand should instal a short-wave broadcasting station, in order to enter the circle of nations enjoying such a service. The comment has been made in the course of this Press discussion that New Zealand

would benefit very largely by the provision of a short-wave broadcasting station in the matter of publicity, and the "Radio Record" has been criticised for observations we made some two or three weeks back to the effect that, so far as listeners in this country were concerned, the preferable and more economical course would be pursuance of the policy instituted by the Radio Broadcasting Company of arranging for New Zealand programmes to be given by stations in the United States and re-transmitted in New Zealand. We still hold to that view in the circumstances of the case.

**WE** are not in the least to be taken as being averse to the establishment of a short-wave broadcasting station in New Zealand for publicity purposes, provided the cost of establishment and the maintenance of that service is derived, as it should be, from the National Publicity Funds or from some special arrangement, and provided the station is not placed in such a position as to interfere with existing stations. If it is proposed, however, that the fund contributed to by the 50,000 radio listeners for the provision of a radio broadcasting service for their own entertainment in the Dominion shall be raided for the provision of a short-wave broadcasting station to confer publicity benefit upon the whole of New Zealand, then we do enter an emphatic protest. The Press discussion to which we refer has ignored this very salient point, and while discoursing in generality upon the benefits to be conferred upon the Dominion by the provision of a short-wave broadcasting station, carefully avoided any discussion of the practical matter of ways and means. That, in our view, is the crux of the question. On a special occasion, such as the return of Rear-Admiral Byrd from the Antarctica, unquestionably the eyes and ears of the world will be turned towards New Zealand. But how often does an event of that importance occur? In the broad question of the establishment of a short-wave broadcasting station for conveying to the world programmes from New Zealand, we take quite an academic interest, although we have yet to be convinced that the world is very anxious to hear regularly from us. The responsibility for that provision does not fall, however, in our view, upon either the Radio Broadcasting Company or the circle of radio listeners. The Radio Broadcasting Company is concerned wholly with the domestic market. Its resources, supplied by the 50,000 listeners, are taxed to meet the demands of that market. Listeners are only too familiar with the occasional criticism demanding improvement in the programmes. What would be said if the thousands of pounds necessary for a short-wave broadcasting station were diverted from programme supply to that objective? The question needs only to be asked to be answered.

**IF** Press correspondents critical of our attitude are so keen for the provision of a short-wave broadcasting station for general publicity purposes, then their endeavours should be directed towards inducing the Government to make special arrangements with the Company. It is a publicity question. The National Publicity Fund should be charged with the expenditure. In Australia a very powerful company, Amalgamated Wireless, Limited, maintains its short-wave experimental station as a subsidiary to other objectives. It has established Beam services between Great Britain and Australia, and this experimental station has a definite commercial aspect. In New Zealand the condition is different. Here the proposal, necessarily, boils down to a national effort.

**IN** the particular case now under review, the provision of means for enabling Rear-Admiral Byrd to discourse to his American friends, the Radio Broadcasting Company of New Zealand is only too anxious, as it has shown, to afford every possible assistance. The tests in progress demonstrate that, and, needless to say, will be continued to the limits of practicality in the effort to please and serve the people of the United States.

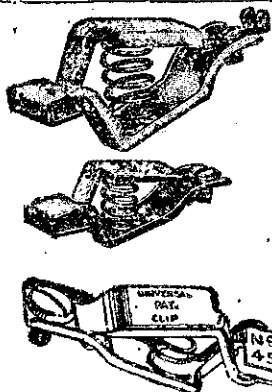
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**"Dewi Sant"****Taumarunui Hospital****Wireless Test****Valedictory to "Storyman"****Radio Fund****System of Relays**

**WELSHMEN** throughout the world will this week-end be celebrating the anniversary of the birth of their Patron Saint, "Dewi Sant." In Wellington on Saturday evening, March 1, the Welsh Society is giving a typical Welsh entertainment, which will be relayed by 2YA.

3YA is also recognising the occasion of including in its Saturday evening programme a number of Welsh items, but a special broadcast is scheduled for next day, Sunday afternoon, when the Welsh folk of Christchurch are holding a commemorative service in the Anglican Cathedral.

**Wool Sale Broadcast****A Whole Evening Devoted**

**THE** last wool sale in Christchurch happened on a Tuesday evening, the usual "silent" night of the week for 3YA, so the occasion was taken to carry out a broadcast. For 3½ hours the relay continued. Listeners in search of entertainment tuned in for a time just to hear how a wool sale was conducted, and then tuned out again.

Of course, the broadcast was not intended primarily as an entertainment for town listeners but almost entirely for the benefit of the farming community and others interested in the price of wool.

It is the policy of the Broadcasting Company to help the man on the land in every way possible. It was with that object in view that Primary Productions Committees have been formed for the purpose of advising the Broadcasting Company in respect to the best way of improving and developing the service for the rural community, and to that end a series of instructive talks has been arranged.

A further opportunity of interesting the farmers, without in any way interfering with the ordinary entertainment schedule of the town dweller presented itself when the wool sale occurred on an otherwise silent night. The farmer far out-back could sit with the auctioneers' catalogue on his knee and hear his wool put up for auction, bid for, and sold.

To the townsman not financially interested (directly) in the prices realised it was an "eye-opener" to "hear" the celerity with which the auctioneers sold hundreds of lines and to hear the clamour of the buyers when they reached their bidding limits for a lot that was in keen demand.

**Lecture-Recital at 3YA**

**LOVERS** of opera can look forward to 3YA's programme on Wednesday, March 26, when Mr. W. H. Dixon, Professor of Singing, will give a lecture-recital on "Songs and Stories from Operas." He will be assisted by a party of singers. Mr. Dixon will be remembered by 3YA listeners for his descriptive work in connection with the presentation of "Rigoletto," "Tristan and Isolde," and "Carmen."

**DR. E. VIVIAN**, secretary of the fund for the possession of a radio installation in the Taumarunui Hospital, writes: The Broadcasting Company have generously offered to relay a concert from here and broadcast it from Wellington. We are now drawing up a programme to submit to them for their approval. As regards our appeal, we have had our trials and tribulations. The hospital district is composed of those counties and the borough. The counties contain farmers who pay high hospital rates, and who think our appeal is rather like the last straw that broke the camel's back, though one brought in two dogs and sold them at the saleyards, adding £4/7/- to the fund. Then in the counties we have a large group of bushmen and mill employees, the nature of whose work unfortunately often leads to hospital. The employees of some of the mills have given freely to the funds. As these people pay no rates we had expected a little response from them. Lastly, we have a few townships where we are trying to awaken interest. Your correspondent evidently is keen, and if it is not a breach of editorial etiquette I would be obliged if you could give me his name, so that I could write to him and try to get him to form a local committee. His city Ohura is the centre of the Ohura County, in which district we have had practically no support. The other two counties are the Taumarunui County and the Kaitieke County. From each of these counties and from Taumarunui we had expected to get about £50. So far we have been unable to gain many helpers outside the borough, and though we have collected £80 here we have only got about £20 outside. However, we have just started, and are optimistic.

[Should our correspondent in the issue of February 7 wish to adopt the suggestion put forward by Dr. Vivian we should advise him to write direct.—Ed.]

**Christchurch Air Pageant**

**NEW ZEALAND'S** second air pageant took place in Christchurch on Saturday last under very adverse weather conditions. Prior to the week-end the weather had been beautifully fine, and it was expected that the pageant would be a most successful one. It was evident, however, when Saturday dawned that it would be handicapped by wet and rough weather. 300 feet up, a very gale was blowing, so strong that many of the big events could not take place. However, the best arrangements that could be made were proceeded with, and the pageant was quite good.

The whole proceedings were broadcast by 3YA, and from this point of view was most successful. There was not a hitch, and the descriptions came through remarkably clearly. The 'planes could clearly be heard when they approached near enough to the microphone.

**STATION 2YA**, Wellington, carried out a duplex telephony test last night with 2ME, Sydney, the experimental short-wave station of Amalgamated Wireless Australia, Ltd., and also with W2XAF, Schnectady, New York.

At 11 p.m., after 2YA had closed down, 2YA called up 2ME, Sydney. Mr. J. Ball officiated at the Wellington microphone and Mr. Farmer at 2ME. 2YA expressed a wish to speak direct with W2XAF, Schnectady, and subsequently, after carrying out duplex telephony with Sydney, 2YA carried out a further test with New York. Music and speech were transmitted from Wellington.

Reception from 2ME was loud and clear, and as the test progressed reception in Sydney improved, there being slight interference by static at the Sydney end. Promptly at 11 p.m. Sydney was heard calling "Hello, 2YA. Hello, 2YA. Here is Wellington calling us now Jack," and immediately afterwards Mr. Ball's voice rang out, "Are you there 2ME? We can hear you calling us." Contact was thus made and the tests proceeded promptly. Reading and music from Wellington were clearly heard at Sydney, and shortly after 11 p.m. conditions at Sydney had improved. Some music was put on by 2YA to give the operators at Sydney time to make some adjustments. At 11.34 p.m. 2ME called up W2XAF and remarked that they had been testing with Wellington, and also stated that static was interfering with reception from New York. Conditions, however, kept on improving. "We'll keep contact with 2YA and we'll see you in another 10 minutes. You keep playing music, W2XAF, we'll change over to 2YA, Wellington, now."

At this juncture, W6XN, Oakland, California, joined in the tests and made a quartet of it, the latter station being in communication with W2XAF at New York. Immediately after this 2ME and W2XAF had another chat, and W6XN played some more music at the request of W2XAF.

At 12 G.M.T. 2ME was calling W2XAF. "Hello, W2XAF. We'll broadcast 2YA for you."

**ALL** the uncles and aunts of 3YA entertained "Storyman" (the Rev. J. Robertson) at morning tea on Friday, February 14. In the evening at the children's session "Storyman" said au revoir to the Radio Circle. The occasion was also marked by the presentation from the directors of the Broadcasting Company of an illuminated address expressing appreciation of the services which the Rev. Robertson has rendered as "Storyman." Mr. Robertson leaves shortly for his new charge in Sydney.

**New Zealand Nights****Programmes by Local Composers at 3YA**

**THE** first of a series of three programmes, every item of which will be the work of a New Zealand composer, will be presented by 3YA next month. The suggestion to arrange New Zealand programmes in this manner comes from the 3YA Musical and Dramatic Advisory Committee.

**Personal****MR. ALFRED WALMSLEY**

**MR. ALFRED WALMSLEY**, the noted tenor soloist, of Dunedin, made his first public appearance since his return from England, when he sang at one of the Town Hall opening concerts. Listeners-in were pleased to hear his voice again, as he is a very popular radio singer. Mr. Alfred Walmsley, who left England as soon as his engagement with the Carl Rosa Company expired, is now in Dunedin, where he intends to settle professionally.

2YA played some music for W2XAF, and a two-way test between the last-named two stations was carried out, Wellington being rebroadcast by Sydney on to New York.

**Cone Speaker Units and Metal Chassis**

We have just landed a splendid range of Cone Speaker Units and Metal Chassis with cone, and on test astonishing results were obtained, high and low notes being produced with wonderful fidelity.

Blue Spot "De Luxe" Chassis, 13-inch .....	24/-
The AB Cone Chassis, 8-inch .....	18/6
Ormond Cone Speaker Unit .....	18/6
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WELLINGTON

## Trade Personals

Mr. Milton J. Beatty, senior, director of Beatty Bros., Canada, left for Australia last Friday after a ten-day stay in New Zealand. From Australia he will go to England before returning home to Canada.

Mr. Maylett, of F. J. W. Fear and Co., Wellington, returned on Monday from Plimmerton, where he had been spending his vacation.

Mr. H. B. Arthur, who formerly saw service with Superadio, Ltd., Auckland, is now managing the Radio Equipment Co., who are occupying Superadio's old premises in Queen Street.

Messrs. Stewart Hardware, Wellington, announce the production of a New Zealand-made 3-valve All-Electric Receiver, which is to sell at £10/10/-. Agents are sought where they are at present unrepresented.

Messrs. J. A. Smyth and Co. advise that Wright de Coster have completed their Junior series of speakers, and samples are now to hand.

Messrs. Royds-Howard Co., of Christchurch, have been appointed the New Zealand agents for Toman Super Pick-ups.

M.P.A. Wireless, Ltd., of London, have lately amalgamated with a leading British acoustical research laboratory, and now some of the most prominent scientists in England are behind the production of M.P.A. speakers and talking machine equipment. N. R. Cunningham, Ltd., of Masterton, are the New Zealand agents.

Mr. G. G. Macquarrie, of Wellington, returned from his tour of the North Island last week.

Mr. G. Robertson, New Zealand manager for Amalgamated Wireless (Australia), Ltd., is at present on holidays at the Marlborough Sounds.

## The Charm of Good Speech

### Interesting Lecture by Mr. Alexander Watson

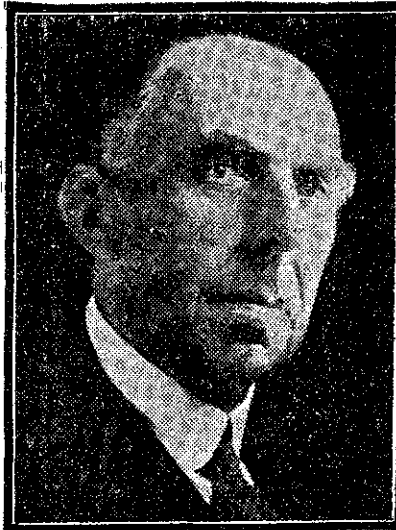
ONE of the most interesting and illuminating lecturettes given from 2YA was broadcast by Mr. Alexander Watson, the famous English platform celebrity, on Tuesday evening last. Mr. Watson needs no introduction to lovers of good literature and the art of the spoken word throughout the Dominion, as his inimitable recitals have attracted thousands of admirers everywhere he has appeared, and as an authority on elocution he undoubtedly stands alone. His book, "Speak Out, the Commonsense of Elocution," which is widely known amongst teachers of elocution and public speakers, has recently been published in an enlarged edition, with extra chapters on the art of elocution.

In his talk on "The Charm of Good Speech" Mr. Watson said that it is remarkable that in these days of beauty culture, the great charm of a well-toned speaking voice is so persistently overlooked, and the means by which it can be acquired ignored. Very little observation was necessary to be aware that ugly voices are more common than ugly faces and slovenly speech more common than slovenly dress. Tidiness in speech is at least equal in importance to tidiness in dress. There are few, however, who

seem to realise this, and instead of the fastidiousness which characterises the adornment of the body, voice and speech frequently exhibit slovenliness and indifference.

Mr. Watson quoted several examples of slovenly expression of words used in every-day conversation, and the interpolation of the sound "sh" or "ch" into such phrases as "wouldn't you," "did you," "I miss you," which are respectively rendered "woodenshoe," "didjew," "I misshoe." Speech, whether good or bad, is merely a matter of habit. Although a man may say "munsemunse" for "months and months" all his life and be guilty of a host of similar inaccuracies, it is indicative not necessary of ignorance but of habitual slovenliness.

Many people seem to be under the delusion that speech is a gift, like sight or hearing; that "It comes by



MR. ALEXANDER WATSON.

nature." But it is only the means for speech with which nature endows us. The use of the means, whether correct or incorrect, is an acquirement. Children brought up under the entire influence of vocally cultured conversationalists, always speaking with well-toned voice and distinct enunciation, would unconsciously acquire the same good qualities, just as under reverse conditions they acquire bad habits of speech. Speech, like charity, begins (and ends) at home. People in early life acquire their habits of speech from those around them and not from the occasional voices of schoolmasters, gramophones, broadcasting machines, or the talkies.

Bad habits of speech can be overcome by the cultivation of a little personal enthusiasm for correctness, and the assistance of a thoroughly good teacher. A speaking voice that is merely pleasant to listen to is a rarity: much more so a beautiful speaking voice. It is generally considered to be a freak of nature. But a voice that is fundamentally bad is a greater rarity than a voice that is naturally good. Generally the natural excellence of a speaker's voice is hidden away under a lumber of bad habits of speech. It is of primary importance that a speaker should realise that it is he who makes or mars his own voice and utterance, according to the degree of control he acquires over the movements of the mouth. The

## Uncle George Resigns

FOR the past two years Uncle George has been a well-known 1YA "uncle." At 5 p.m. every Tuesday evening you could have heard his sympathetic voice commence the session, "Hello kiddies, Uncle George here." Of the weekly fun in the arguments he would have with Cinderella, well, it is only those who listened know the worth of it all.

Last Tuesday, however, told a rather sad tale, for he was saying good-bye to Radioland. It was quite evident that a good many people knew about it, all the Aunts and Uncles were there, and nieces and nephews as well—Cinderella took charge of things, and Uncle George was made to sit down and listen to all the nice things that were said about him.

The session had an air of gaiety about it, yet there was an underlying vein of sadness, for all gathered there were genuinely sorry to think it was Uncle George's last evening, and were loath to say good-bye to him. And it was in a very whole-hearted manner that "He's a Jolly Good Fellow" and "Auld Lang Syne," which drew the hour to a close, were sung.

## Children's Health Camp

### Interested Young Radio Listeners

THE annual Health Camp for children in the Wanganui Education District is now being held at Awapuni Racecourse, Palmerston North, under the supervision of Dr. Elizabeth Gunn. A radio receiving set has been installed and the children listen-in to the children's sessions from 2YA. On Thursday and Sunday evenings special messages are sent to the children, of whom there are 120 in camp.

mouth acts as a resonator and a moulding agent in vocalisation. Nature begins the voice, but the speaker completes it for better or for worse. Beauty of voice and neatness of enunciation in speech are very valuable assets in life. Speech that is "seasoned with a gracious voice" may be more potent in its effect than a delivery from which beauty is absent. The secret of a good speaking voice lies in the undeviating correct formation of all vowel sounds in a well-opened mouth, by which means consistently uniform tone or quality may be created and maintained.

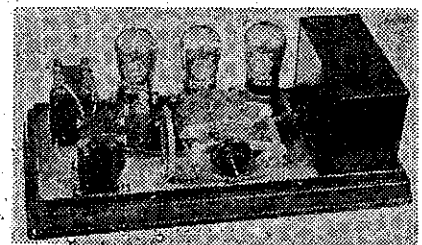
It is not given to all of us to be brilliantly intellectual, to be great artists in oratory or dramatic speech, but all may possess (if they will) a cultivated voice, a clear and distinct mode of speech and a refined and cultured pronunciation of our glorious English language.

Mr. Watson commenced his sixth and farewell tour of New Zealand at the Town Hall Concert Chamber, Wellington, on Saturday, February 8.

## THE "COURTENAY"



The "Courtenay" Receiver.



The Chassis.

We are now able to offer what you have long been looking for—a perfect Radio Set for local reception.

The "Courtenay," which is made in New Zealand, is of the three-valve type, and is the most compact and efficient set we have seen. A demonstration is all that is required to set you at rest as to its reception, while its tonal quality is simply sublime, and best of all—yes, the very best of all—the price is only—

£10/10/-

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## Wellington Radio Society

### Monthly Meeting

THE monthly general meeting of the Amateur Radio Society of Wellington was held in the Cambridge Terrace Congregational Schoolroom on Tuesday evening, February 11. Mr. J. H. Owen occupied the chair, and there were about two dozen members present.

A letter was received from the N.Z. Association of Radio Transmitters challenging the Radio Society to a cricket match. The idea was commended as one calculated to promote a social feeling, but as the society was unable to muster a team it was reluctantly decided to explain the position to the radio transmitters and thank them for their proposal.

A communication was received from the District Radio Inspector in reply to a complaint regarding interference from an electrical leakage in a certain area of Newtown. The hon. secretary was requested to write the inspector to ascertain the result of his investigations in the matter and what action he took.

OWING to a slight motor-car breakdown, Mr. L. H. Wright, who was to deliver a lecture on "Servicing of Sets," was unable to attend, but in response to a telephoned request from Mr. Wright, Mr. Preston B. Billing kindly acted as his substitute.

Mr. Billing stated that the servicing of A.C. sets was an art in itself, and he related some of the problems he had to solve. He dealt with the differences between A.C. and battery valves. Mr. Billing also gave useful advice respecting "A" and "B" batteries. Owing to electrical leakages, Mr. Billing stated that it would generally be found that seven hours' use of an "A" battery would require about 11 hours to re-charge at a rate which was the same as the discharging rate. Dampness on the top of a battery due to minute spraying when charging, he said, was not a cause of leakage unless dust were mixed with the dampness. Mr. Billing stated that few audio transformers would not go, in time, owing to an electrolytic action between the windings of the primary and the insulating material. He stressed the advisability of renewing the "C" battery every twelve months.

Mr. Billing said that he had found that over half the troubles in A.C. sets which he had experienced were due to the valves. These A.C. valves, however, were now much improved, and were still improving. Mr. Billing answered several questions, and at the conclusion was accorded an enthusiastic vote of thanks.

HAVE you seen the competition, "Trials in Tact," appearing on page 33? There is a chance of winning a handsome prize, while much pleasure will result from an attempt to solve the little difficulties which make the competition.

### "N.Z. Radio Listener's Guide"?

Dealers and Booksellers 2/6; Post Free 2/9—P.O. Box 1032, Wellington.

## Special Programme from 2YA

### Features on February 26

8.0: Chimes.

8.1: Relay from Town Hall of Special Sacred Concert held in connection with the Annual Conference of the Methodist Church of New Zealand.

Bass with Organ—Mr. Wm. Watters, "Nature's Adoration" (Beer-hoven).

Soprano with organ—Miss Myra Sawyer, "Ave Maria" (Mascagni), (Ricordi).

Tenor with organ—Mr. Hubert Carter, "The Sorrows of Death" ("Hymn of Praise") (Mendelssohn).

Accompanist—Mr. H. Temple White.

### SPECIAL PERFORMANCE OF HAYDN'S ORATORIO, "THE CREATION,"

By the Combined Methodist Church Choirs of Wellington and Suburbs. Assisted by the 2YA Orchestra (augmented).

Soloists: Soprano, Miss Myra Sawyer; Tenor, Mr. Hubert Carter; Bass, Mr. Wm. Watters; Conductor, Mr. H. Temple White.

### Tennis Match

### Relay from 2YA

STATION 2YA on February 21 and 22 will relay from the Miramar Tennis Courts a description of the Wilding Shield Matches being played there on those days. The description of the play will be entrusted to Mr. C. F. Williams. Descriptions of the progress of play in connection with the Plunket Shield match, Wellington versus Auckland, will also be given.

### "2YA" Sign in Neon Gas

THE already-imposing prominence of 2YA transmitting station on Mount Victoria, by day as well as by night, is now greatly enhanced in the evening by a large neon gas sign. The familiar call, "2YA," in letters fifteen feet high, appears in a flickering dull red light, which is visible for miles. It is certainly the most striking neon gas sign which has yet been erected in the Dominion.

### A Suggestion.

"My husband," confided Mrs. Browne to her friend, "will persist in wearing trousers that are much too long, and when I tell him about them he gets angry. What do you suggest?"

"Well," replied her friend, after a few moments' reflection, "try pulling his leg!"

Artist: You know, you really have the most delightful legs.

Model: Do you think so. I've always been quite attached to them myself.

"How is Eli getting on, Mrs. Meier?" "Excellent. Last year she went about with a small Ford, this year she has managed to get acquainted with a Daimler."

Mother: Dear, dear, baby has his foot in his mouth again.

Father: Let him enjoy himself while he can; thirty years from now he won't be able to touch his toes.

### Auckland Notes

(By "Call Up.")

A MEETING of the Auckland Radio Society was held in the Leys Institute, Ponsonby, on the evening of February 11, Mr. E. L. Warwick being in the chair. A motion that Mr. L. Barnes, station director at 1YA, be sent a letter thanking him for his efforts to improve the local programmes was carried unanimously.

It was decided to leave the membership subscription at ten shillings per annum, payable half-yearly. Regular fortnightly meetings are to be held at the Leys Institute on the first and third Mondays in each month, beginning at 7.30 p.m. sharp. These will be given over to lectures and discussions on current radio affairs.

"CALL UP" has heard several listeners express the opinion that more talks from notable visitors and men of the moment would be an acceptable feature of 1YA programmes. The station authorities agree with this and do all they can to obtain such speakers, but it is by no means an easy task. It may not be generally known that the published passenger lists of every overseas passenger ship arriving at Auckland is searched in an attempt to find possible speakers. Even when a likely person has been found there are often further difficulties. They may be unable or unwilling to spare the time, or may have quite unsuitable voices. An interesting visitor recently secured to talk was Colonel Neil, now visiting the Dominion. His chat on Thursday evening was very enjoyable, especially to yachtsmen.

ON March 15 a special St. Patrick's Night concert will be the main item on the programme from 1YA. An exceptionally good company of artists is being assembled for this, and our Irish friends, and others too, should be well pleased with the performance.

"I've been travelling on this line for three years, and I've never given my seat to a lady."

"Aven't you got no manners?"

"Taint that! I've never 'ad a seat."

## Lodge Installation Broadcast

### Arranged by 1YA

AN interesting broadcast, the first of its kind carried out in New Zealand, has been scheduled by 1YA for March 13. The microphone is then to be transported into the lodge room at Manchester Unity Hall, and the installation of officers of the Independent Order of Oddfellows will take place in front of it.

### WANTED AND FOR SALE.

For column of casual advertisements see page 31.

## MIRACO Celebrates

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## TENTH Anniversary

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## ELECTRIC RADIO

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## CHALLENGE

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## INDUSTRY

Nine Valves

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## Identification Wanted

COULD any listener oblige me with the name and address of station 2XO (or 2FO), Castlepoint? I heard this station last night (February 9) at very good strength on about 1400 k.c. (214 metres). When writing last week re 4ZO Invercargill, I gave the frequency as 1150 k.c. (260 metres). I find now that it has changed to 1200 k.c. (250 metres).—Dynamic (Lower Hutt).

ON February 9 I tuned into an American station, the call of which sounded like WXAG, New York. They were testing on about 780 k.c. (384 metres) and closed down about 10.20 p.m., concluding the programme with a mouthorgan solo. Another American which I cannot quite get the call of is on 36½ on the dial—on top of 1YA Auckland. Could anyone identify these stations?—J.S. (Napier).

[The latter station is probably KHJ, Los Angeles, California. Power 1 k.w., frequency 900 k.c. (333 metres).—Ed.]

## DX Topics

IN reply to "Courier" (Wellington), we would inform him that an up-to-date list of New Zealand "B" class broadcasting stations was published in the "Radio Record" dated November 15, 1929. Within two months a further revised list will be published in the call-sign section of the "Radio Listeners' Guide and Call Book."

WOULD you please inform me whether one can receive American stations on my factory-built set; and, if so, which stations and what are their frequencies?—H. Harrison (Huntly).

The following stations are among the most easily receivable of the Americans: WTIC, 1060 k.c. (283 metres); WHK, 1390 k.c. (216 metres); WENR, 870 k.c. (345 metres); KGO, 790 k.c.

# THE D.X. CLUB

## Views and News.

(380 metres); KPO, 680 k.c. (441 metres); KFOX, 1250 k.c. (240 metres); KMOX, 1090 k.c. (275 metres); WLW, 700 k.c. (428 metres); and KVOO, 1140 k.c. (263 metres). [Full particulars re these and many other American stations may be found in "All About the All-Electric." If difficulty is experienced in procuring same, write us.—Ed.]

I RECENTLY received a verification from WIXG, but found that it was identical with WTIC of Hartford, Conn., WIXG being the experimental call letters of that station, which is owned by the Travellers' Insurance Co. They transmit on a frequency of 1060 k.c. (283 metres) with a power of 50 k.w., and come through with good volume. Another new station which is not mentioned in your latest list is KGM of Los Angeles, on about 880 metres (790 k.c.). This station is certainly not KTM of Santa Monica as I had them both on the same evening on different wave-lengths. Other recent loggings of mine are: KKLX, Oakland, California, and KRLD, Dallas. After a year's listening I have succeeded in compiling a log of 62 stations on a six-valve battery-operated set.—"Varia" (Pahiatua).

IF no other amateur has reported verification from KTAT, Fort Worth, Texas, U.S.A., it will interest you to learn that I received a letter from the general manager of that station, verifying my reception of a few items tuned in on November 16. He states that the station call was changed on November 18 from KTAT to

KSAT by authority of the Radio Commission, but they will continue to broadcast on 1240 kilocycles (242 metres). A booklet received from the station states that KSAT is owned by the Southern Air Transport, Inc., Fort Worth, Texas, and will be the mouthpiece for "The Progress of Aviation." Like a few of your readers, we tuned in WHK, Cleveland, Ohio, on January 8 at 8.20 p.m., and also on the evening of January 21 about the same time. Reception on the latter date was clearer than on the first tuning in. The set in use is a six-valve factory-made set, but with no screen-grid stages.—George Miller (Wanganui).

NOTICING that several correspondents are inquiring re WOO, I might mention that I first listened to a series of tests some weeks ago which WOO is conducting. One Sunday evening early I heard G2GN calling, "Hallo, G2AA, British Post Office, Rugby, this is G2GN, Olympic; we left New York on Friday at noon and have carried out the schedule. We are now closing down for one minute." He spoke very rapidly indeed, and kept repeating both calls. As G2AA is in the call book it is most likely that the Post Office were utilising the facilities of that station. Some evenings later WOO came on. My first impressions were that someone was reading out cookery recipes and random articles from the paper, then "write this down" and a list of words followed at a fast rate. He gives the call, "This is WOO, talking for G2GN." On mentioning the matter to Mr. G. R. McCarthy, of Mack's Radio, he showed me the entry in his log of some years ago, giving WOO as John Wanamaker, so evidently the station is that of the well-known stores.—A. B. McDonagh (Wellington).

PERHAPS listeners would like to know the following particulars about 4ZP. This is taken from my verification card (February 6). Call 4ZP, power 50-100 watts, broadcasts on 1160 k.c. (258 metres). The hours of transmission are: Monday and Tuesday, 7-10 p.m.; Friday, 7-11 p.m.; Sunday, 4-6 p.m. The address is 155 Layard Street, North Invercargill. Station 4ZP is quite a regular performer up here now. Last Sunday night I had 2HD, Newcastle (N.S.W.), broadcasting on a new wave, approximately 1330 k.c., being just below 2YB (in the "Listeners Guide" 1040 k.c., 288 metres). It has been heard on that wave nightly since at considerable volume, though with a tendency to distort.—A.E. Allen (Avondale).

BOTH 4ZI and 4ZP, Invercargill, operate on the same frequency, 1160 k.c. (258 metres). 4ZI is owned and operated by Bachelor's Radio Services and Supplies and operates daily from 12 to 1 p.m., and on Wednesday and Saturday nights from 8 p.m. to 10 p.m. Station 4ZP is owned and operated by Parsons' Radio Supplies, 155 Layard Street, Invercargill. 4ZP operates Monday, 7-10 p.m.; Tuesday, 7-10 p.m.; Friday, 7 to 11 p.m.; and Sunday, 4 to 6 p.m.—H. Walker (Bluff).

I HAVE a combination A.C. receiver. I tune in numerous stations. Static, power leaks, motor induction, heterodynes and especially howlers stop me from identifying foreign and weak stations. I have heard 4ZB or 4ZE, Invercargill, very loudly; also 2ZE, Eketahuna, 1ZB, Auckland, and 1ZE (?), Auckland (at least the call sounded so). I have heard 7ZL, Hobart with fair clarity, and I get 3UZ, Melbourne, with practically the same strength as 2UE and 2GB, Sydney. In all I have identified 27 stations since Monday night, February 10. I occasionally get a weak station on 600 k.c. (500 metres). Would this be the Wanganui station? I also get a station on approximately 800 k.c. I think he is a New Zealand station because I had him at 10.30 to-night. I notice this about him: He fades completely away at times. I have never heard any announcement. Would this station be WFAA, Dallas, Texas (375 metres, 800 k.c.)?

Others who hear better than I distinctly heard a clock chime and strike four o'clock. This time tallies with New York, 4 a.m., previous day. The station (if an American) should be WGY, Schenectady, N.Y., 790 k.c. Then again I have heard 2XAD and 2XAF on short-wave. Being given to understand WGY is the parent station of these two, I surmise WGY will sign off at midnight, as I have heard 2XAD and F sign off then (New York time). I have recorded as many as 32 stations one night.—L. Illingworth (Gisborne).

[A revised list of all stations will be published in the new edition of the "Radio Listeners' Guide and Call Book," now in preparation. A list of New Zealand stations was published on November 15, 1929.—Ed.]

## Early-Morning Broadcast

(Concluded from page 1.)

Listeners were all at a loss to understand why Mr. Chichester was so long in making appearance, but after half an hour the appearance of the wing of the aeroplane over the edge of the boat explained matters. He had been waiting to see his plane safely landed. As this fragile little craft gradually appeared from the deck, Mr. Ball told the whole of his vast radio audience, so that those who were listening obtained a very accurate picture of what was being enacted. Who of the listeners in seeing the photograph previously referred to on this page could disassociate it with the picture created by the announcer!

The arrival of Mr. Chichester needed no announcing. The hoorays, hurrahs, and cheers conveyed the tidings for which everyone was waiting. Short speeches were made on the wharf, and then the aviator and the official party threaded their way through the vast crowds to the Town Hall, from which the second part of the broadcast took place. Here Mr. Chichester was officially welcomed.

In the intervening period listeners were entertained with gramophone records from the studio.

The whole broadcast was very fine. It was carried out without a hitch of any description, and its unorthodoxy must have attracted the interest of all listeners who were able to hear it.

Can you solve a difficult problem?

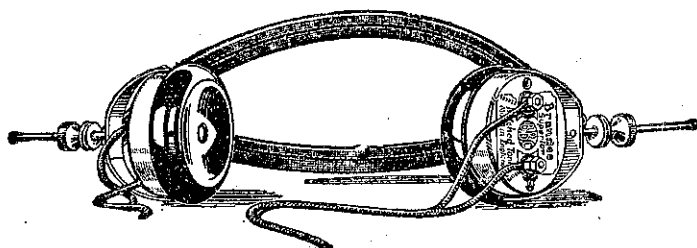
See

"TRIALS IN TACT"

(on page 27 of this issue).

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## Sunday Evening Broadcast.

ON two consecutive Sundays I notice the service is to be broadcast from St. Paul's Pro-Cathedral by the same preacher. I understand that only one church in each denomination has the privilege of broadcasting, and I feel sure if the broadcasting could be done from more than one church in each denomination it would be greatly appreciated, as well as prove more interesting among the public. Is it because of the formation of the committee that arranges these matters, the committee seem only to broadcast their own services?—George S. Philpotts (Carterton).

## Howling Valves.

THE "Howling Valve" season is rapidly approaching and soon we will have expert DX'ers howling out "I'm all right, Jack, but kill those howlers." I am firmly convinced that 99 per cent. of short-wavers do not desire to annoy anyone; all they desire is to get the stations. After looking up the remaining 1 per cent. simply to teach them the right way to tune, and in a recent issue you had a little article on tuning which put the art into a nutshell. Once the listener learns to tune, a new world is open to him and possibly there are many owners of sets who, if they gave their neighbour five or ten minutes' instruction would then be able to enjoy their programmes in peace. As an illustration, a young enthusiast was complaining that he couldn't get results from his expensive "all-electric" set, so I asked him to bring it along. I found absolutely no trouble whatever, as one after another the stations on the broadcast band came in; all that was wrong was that he didn't have the knack of tuning finely. Needless to say, he does not regret buying the set now. Before

# Our Mail Bag

Will correspondents please practice brevity, as heavy demands are now made on space. All letters must be signed and address given as proof of genuineness; noms de plume for publication are permitted. Address correspondence Editor, "Radio Record," P.O. Box 1032, Wellington.

concluding, I might mention that I am well satisfied with radio and have no complaints. My set is only a two-valver, but on 'phones I have even reached Japan and most of the Australians on the broadcast band. And on the short-waves I think I have been nearly all around the world, though I haven't bothered going "Pot Hunting" to get a big log. My set is unshielded and I am right on the tramline with power lines all around me and a busy street with machine-gun motor-bike fiends, not to mention cars; so, if I can get results, well, some others must be hard to please when they complain, unless it be of the local chap on morse who can be heard on every coil.—Kawatiri (Wellington).

## Publicity for New Zealand.

THERE is one feature regarding the special Duplex tests last Tuesday night between 2YA, 2ME, also 2XAF which stand out as of considerable importance, namely, the question of publicity for New Zealand.

It is difficult to estimate the extent of the short-wave listeners' audience; it must have been fairly extensive in numerical strength abroad. Presuming future tests turn out fairly successful from the overseas point of view, New Zealand stands to gain from the publicity aspect; and, in addition, opportunity is given distant broadcasting stations to work Duplex with a new country.

Obviously 2XAF, also 2ME, have connected with most countries by this time; and New Zealand if successful in making satisfactory two-way tests will have added further laurels to its already famous list of achievements.

Listening to 2YA's transmission via 2ME, Sydney, most of the transmission was fairly easily understood; there being fair percentage of audibility; in fact every word would have been perfectly clear but for interference at Sydney from static, etc.

The remarks of Mr. Robertson (manager, Amalgamated Wireless, Australasia, Ltd.) and Mr. Ball (editor-

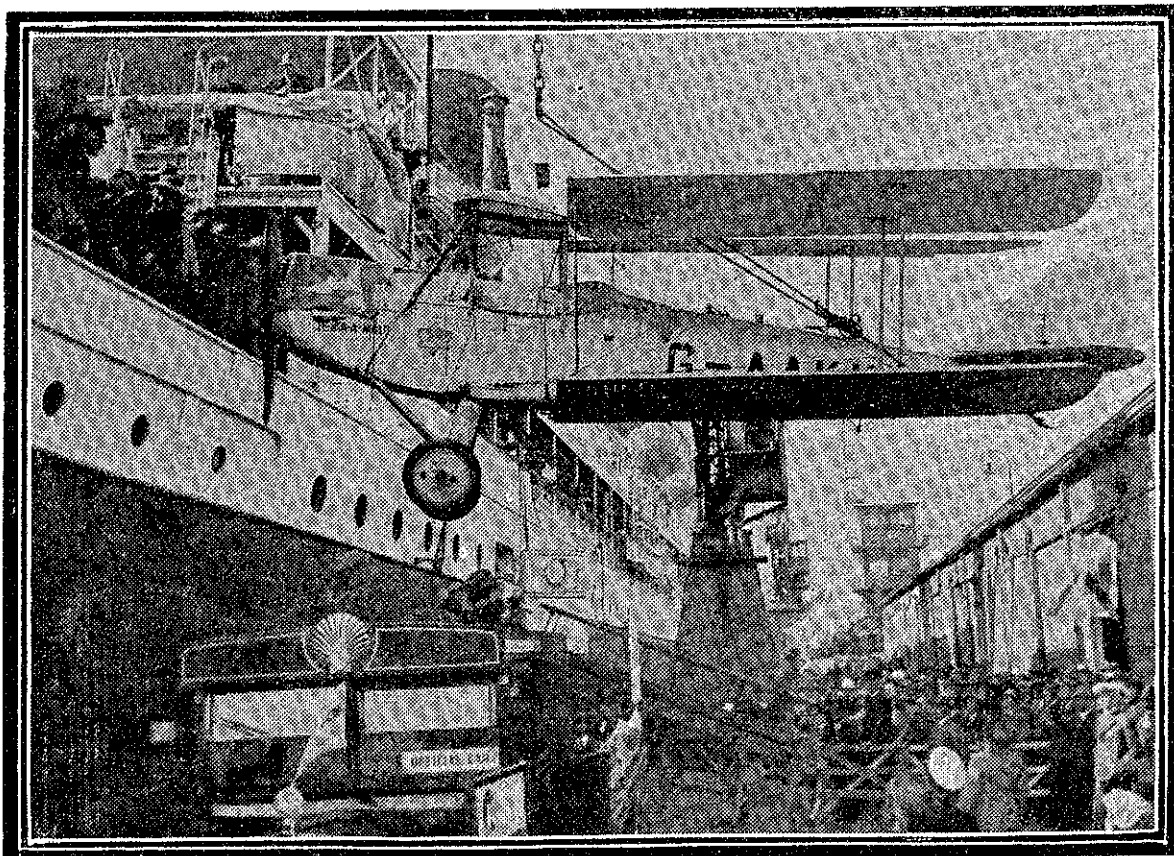
announcer) from 2YA were easily followed; in fact, as Mr. Farmer at 2ME remarked: "I can tell its Robble by the Scotch accent," can be vouched for by the writer; as I happen to know that gentleman and recognised his voice instantly, although his name was not announced so far as I know; and Mr. Ball's voice was, of course, also recognised; so that the transmission from 2YA was O.K.

It is an opportunity not to be missed, namely, the broadcast of Commander (Admiral) Byrd by 4YA, Dunedin, on the Commander's arrival in New Zealand waters once again; and we all hope, I am sure, that it will be possible to put the rebroadcast through successfully to 2ME and on to America; for the whole American nation will be anxious to hear Commander Byrd's voice over the air.

A red-letter day awaits the New Zealand Broadcasting Company, Ltd. At the worst, no doubt the Commander will visit Wellington, and a better opportunity will present itself for a broadcast then.—R. Leslie Jones.

## Foreign Music.

"PLAIN English" is to be commended for his revolt against Sunday programmes. I have often wondered if Mussolini is a director of the Broadcasting Company of N.Z., Ltd., but of course that cannot be, or he would put a ban on some of the broadcasts. I take exception to the selections rendered in Italian and which for me marred "Hamlet" from 3YA. Howling valves are worse out here than any place I have been yet. It is time the company and Department took steps to put a few of these fiends out of the way. Why so many lectures and speeches lately? Some are like the brook—go on for ever and say nothing; others, and mighty few at that, have their subject in hand (Continued on page 21.)



Mr. F. C. Chichester's arrival.—Landing his 'plane on Wellington wharf.

# Next Week's Features

## 1YA Features

THE service in the Baptist Tabernacle on Sunday evening will be broadcast by 1YA. The Rev. Joseph Kemp will be the preacher. A relay of the concert to be given in Albert Park by the Auckland Municipal Band will follow.

THE Orchestral Octet, under Mr. Eric Waters, will provide the instrumental music for Tuesday evening, and among the items to be played will be selections from "The Chocolate Soldier," Bizet's opera, "The Pearl Fishers," and "The Vagabond King." "The Coppelia Ballet" (by Delibes) will also be played. Mr. W. Shepley will play as a cornet solo, with orchestral accompaniment. Mascagni's "Ave Maria." Mr. Cyril Towsey will be heard in the pianoforte solo "Wanderer Fantasia" (Schubert-Liszt). On the vocal side of the programme the Olympian Quartet—Miss D. Yound, Miss M. Williamson, Mr. Lambert Harvey and Mr. H. Barry Coney—will sing quartettes and operatic solos. Mr. A. B. Chappell, M.A., will continue his topical talks.

AT 7.40 p.m. on Wednesday, Mr. Norman Kerr will give another talk on physical culture. In the studio concert programme Mr. Reg Morgan's popular orchestra will render some excellent items and Mr. Morgan himself will be heard. Miss Edith Whittaker, a young soprano, will sing three old English songs with dulcitone accompaniment. Mr. Ian Barry, tenor, has not been heard from the studio for some months, and he will sing a group of ballads, while Mrs. Jellard, the well-known contralto, will also give items. The programme will conclude with a commentary on the latest recordings.

UNDER the auspices of the League of Nations' Union, Mr. W. T. G. Airey, M.A., will speak on "Security and Disarmament" at 7.40 p.m. on Thursday. Something new in the way of enter-

tainment in the evening session is promised by the Radio Scamps, augmented by some extra artists. The pantomime "Dick Whittington" will be presented. There are five main characters: "Dick Whittington" (the leading boy, which part will be played by one of the lady members), "Alice Fitzwarren" (the leading girl), "Fitzwarren," and "Idle Jack." There will also be the fairy queen and other minor parts. Of course, no pantomime is complete without the ballet, and though not seen, the dancers will be heard, and there will be fairies and the fairy glade with many other novelties. The plot is full of comedy and listeners should have a good evening's enjoyment. Dance music will complete the session.

MRS. ZOE BARTLEY-BAXTER is producing the three-act play, "Lady Frederick," on Friday evening. The plays which are given at 1YA are always full of interest and are much appreciated by listeners. With "Lady Frederick" under Mrs. Bartley Baxter's direction, another fine evening's entertainment is assured.

THE Orchestra Octet will once again provide the instrumental portion of Saturday evening's programme and also included in the session is Miss Kitty Williamson (soprano), and Mr. George Barnes (tenor). That very popular combination, Ingall's Hawaiians, will play some popular numbers, and the humourist of the evening will be Mr. Allan McElwain, always popular and always welcome to any programme. There will be the usual dance session until 11 p.m.

## 2YA Items

THE service conducted in St. Paul's Pro-Cathedral will be relayed on Sunday evening, the preacher being the Rev. Percival James, and the organist and choirmaster Mr. Robert Parker, C.M.G. The evening concert session

will be given by the Artillery Band under Captain T. Herd. Assisting the band will be Mrs. Dorothy Ross (soprano), Mr. G. Madigan (bass), and Miss Mollie Fenton (mezzo-contralto).

ON Monday afternoon the second day of the Plunket Shield cricket match (Auckland v. Wellington) a description of the play will be relayed from the Basin Reserve. Mr. A. Varney will be the narrator and the description will be interspersed with items from the studio. During the news session Mr. R. McLean, speaking on behalf of Mr. W. F. Hudson, dietitian, will deliver a lecturette on "The Danger of Obesity."

THE Ariel Singers, assisted by the 2YA Orchestra, under Signor A. P. Truda, will provide the musical programme for Monday evening's concert session. Mr. Norman Aitken will contribute elocutionary numbers. The songs will include a group of sea shanties and several selected vocal records of more than passing interest. The orchestra will play as an overture Gounod's "Mirelle," a selection from Sibelius' suite "Pelleas and Melisande," Saint-Saens' "Suite Algérienne," Schuman's "End" and Beethoven's "Minuet in G." Mr. S. Bernard will play as a cornet solo with orchestral accompaniment, "Adieu" (by Schubert). The solo pianist for the evening will be Miss Mary Lennie, L.T.C.L., who will play Dohnanyi's arrangement of Delibes' "Naila" waltz.

ON Tuesday afternoon a further description of the Plunket Shield match (Auckland v. Wellington) will be relayed from the Basin Reserve. At 7.40 p.m. the usual weekly talk to farmers will be given by a representative of the Agricultural Department.

THURSDAY evening's concert session will be of the light "popular" type, the contributing artists being Miss Violet Roberts, Mr. Harry Matthew, Miss Lily Charles and Ajax, the latter specialising in humour of a Hebrew character. The 2YA Salon Orchestra, under Mr. Mat Dixon, will play the overture, "If I Were King," Burmester's "Wiegellied" and "Skococo," Ansell's Suite "Dances Miniature de Ballet," and Rubinstein's "Trot de Cavalerie."

ON Thursday afternoon Miss Flora Cormack will give another of her interesting talks for the fair sex, the subject to be discussed being "Fashions for the Sports Girl." At 7.40 p.m. Hare Hongi will give a brief talk on "Maori Pronunciation."

The Wellington City Silver Band will give a studio concert on Thursday evening. The band will be assisted by the Lyric Male Voice Quartet, Miss Zena Jupp (elocutionist), Mr. Lad Haywood (Mandolinist), and Mrs. Isabel Hollands (soprano). Miss Zena Jupp is a talented young elocutionist who has just returned from Australia, where she studied under Mr. Lawrence Campbell and Mr. Brunton Gibb, two of Australia's leading elocutionists. The latter, having been responsible for quite

a large number of sketches and plays from 2FC, is well known to all who listen-in to that station. Mr. Gibb was in Wellington in 1928, when he acted as elocutionary judge for the Wellington Competitions. Mrs. Hollands is a Wellington singer who has just returned from Timaru, where she was prominent in the musical life of the town and district.

MR. R. HOWARD TAYLOR, the well-known chiropodist, will give a short talk on Friday evening at 7.40 on "Foot Health." The concert session will consist of vocal gems from the popular musical comedy "The Arcadians," presented by the Etude Quartet, and items by the 2YA Orchestra under Signor A. P. Truda. The orchestra will play a selection from "The Arcadians," "The Jewels of the Madonna," "Part 2 of Master Melodies from Famous Light Operas," and the musical comedy selection "Primrose." Humorous sketches will be given by Madame Eugénie Dennis and partner. During the course of the programme a relay of a "Talkie" feature showing at the Majestic Theatre will be carried out.

SATURDAY is St. David's Day, and arrangements have been made accordingly for a proper observance of this great Welsh anniversary. The whole of the proceedings of the Wellington Welsh Society's St. David's Day celebrations will be relayed, the concert commencing at 8 p.m. and concluding shortly after 10 p.m. There will be a brief period of studio items, but even these will be of a national character. The programme will consist of part songs, solos, and instrumental items, all as much as possible of a Welsh nature.

## 3YA Features

THE evening service in Knox Presbyterian Church on Sunday will be broadcast. The preacher will be the Rev. T. W. Armour. A relay of 4YA's after-church concert will follow.

THE New Brighton Municipal Band, a very popular combination on the air because of the bright and very diversified programme always presented, will be playing on Monday evening. The numbers will comprise marches, waltzes, fox-trots and two hymns. To one of the fox-trots the vocal solo will be sung by Miss Betty Hilliard, who will also sing several of the very latest popular songs. Contralto solos will be sung by Miss Eileen Irwin, tenor solos by Mr. W. J. Rischlager, and baritone solos by Mr. Leslie Stewart. There will be humour from Mr. J. J. Flewellyn.

THE operatic programme on Wednesday evening will feature excerpts from "My Lady Frayle," to be sung by the Salon Quartet (Miss Corrie Aslin, Miss Dulcie Mitchell, Mr. H. Blakeley and Mr. J. Graham Young). The supporting programme will be of a miscellaneous nature, among the



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solos being: "Love is Meant to Make Us Glad," "I'll Sing Thee Songs of Araby," "Onaway, Awake Beloved," "It's Quiet Down Here," "Where'er You Walk" and "Afton Water." A quartet will be "Love Me Little, Love Me Long," an old English air. A very fine instrumental programme will be presented by the Studio Octet under Mr. Harold Beck. One of the numbers will be a selection from "Lucia di Lammermoor." Elocutionary items will be given by Miss Mavis Kinsella.

**"THE Soil, its Physical Condition and Improvement,"** will be the subject of a talk to farmers by Mr. R. McGillivray on Thursday evening. The talk is to be given under the auspices of the 3YA Primary Productions Committee.

Thursday evening's programme will include numerous classical numbers. Vocal performers will be: Mrs. D. E. Pearce, Mrs. Sen Jowett, Mr. Sidney Williamson and Mr. Robert Allison. A very attractive programme has been arranged. Solos to be heard will include "Adelaida," by Beethoven, an old favourite. This is to be sung by Mr. Williamson. Pianoforte solos will be played by Miss A. Farley Slack, who studied at the Sydney Conservatorium. Recitations by Mr. Robert A. Wills will be "The Frontier Line" (Conan Doyle) and a humorous number, "Excelsior" (the 1930 version). There will be instrumental numbers by Miss Irene Morris (violiniste) and the Christchurch Broadcasting Trio.

**THERE** will be the usual programme of popular songs and dance music on Friday evening, the dance music being supplied by the Bailey-Marston Dance Orchestra. The vocalists for the evening will include Miss Mary O'Connor, Miss Nellie Billcliff, Mr. D. Suckling, and Mr. Leslie Fleming. Mr. George Titchener, humorist, will also be contributing to a very enjoyable programme.

**SATURDAY** evening's programme will be of much variety, typical of a Saturday night entertainment. A number of Welsh items will be introduced in honour of St. David's Day. Included among these will be two harp solos by Mr. Harry Glaysher. This evening will see the first appearance at 3YA of Mr. Frank Moran, a humorous song and patter artist. Songs will be sung by Miss Alice Vinsen and Mr. C. L. Richards. The Joyous Pair, two popular entertainers, will sing songs at the piano, with ukulele accompaniment. The programme by the Instrumental Octet, under Mr. Harold Beck, will include Welsh airs such as "The Leek" and "Selection of Welsh Melodies."

## 4YA Features

**THE** service in Trinity Methodist Church, Moray Place, will be broadcast on Sunday evening. The preacher will be the Rev. H. E. Bellhouse. A studio concert, to be given by the Woolston Band, from Christchurch, will follow. The assisting vocalists will be Miss Irene Horniblow (singing two negro spirituals and "The Mantle of Blue"), and Mr. Les Stubbs, whose items will be "The Curfew," "Not Un-

derstood," and "My Prayer." Piano solos will be played by Mr. T. J. Kirk-Burnand.

**THERE** will be a very interesting programme, mainly operatic, on Monday evening. The orchestra will play selections from "Il Trovatore" and "Carmen," also the famous sextet from "Lucia di Lammermoor," and the quartet from "Rigoletto." "Siegfried's Liebeslied" (from Wagner's "Ring"), "The March of the Marionette," and "The Beautiful Galatea" will also be played. The vocalists will be Miss Aileen Young, Miss Gwendal Burt, and Mr. A. W. Alloo. Elocutionary items by Mr. Carl Moller will comprise "The Presentation of Prizes" and "The Country Wedding."

**THE** vocalists on the musical side of the programme for Tuesday evening will be Miss E. Shepard, Mr. W. Harrison and Mr. G. M. Salmond, presenting a diversified programme. The



Master Eric Cooper and Miss Essie Drummond (daughter of Mr. C. Drummond, Announcer at 2YA) were the first two children to take part in a Children's Session at 2YA.

—S. P. Andrew, photo. —S. P. Andrew, photo.



second of the recitals on "Poets Lost to England During the Great War" will be given by Mr. A. Gorrie. A specially bright instrumental programme will be played by the Studio Trio, the numbers comprising: "Musical Switch" (Alford), "Three Henry VIII Dances," Widor's "Serenade," "Londonderry Air," and Nevin's suite, "A Night in Venice." A piano solo will be played by Mrs. C. Drake.

**ON** Wednesday afternoon the title of the talk to be given by the Home Science Extension Department of the Otago University, under the auspices of the 4YA Primary Productions Committee, will be "Vegetable Dishes—Eat More Vegetables." In the evening there will be a talk to farmers by Mr. Jas. Begg, chairman of the Board of Agriculture, on "Management of Sheep on Hill Country."

**THE** Select Novelty Trio will open the programme on Wednesday evening with three bright dances, and will set the tune for a merry evening. The instrumental music will be a feature of the entertainment. Mr. J. A. Paterson, Scottish comedian, will supply humorous numbers. There will be songs at the piano by Miss Bertha Rawlinson and recitations by Miss Nellie Warren. Mezzo-soprano solos by Miss W. Col-

lier will be "A Heart That's Free," "I Love the Moon," and "I Wonder if Love is a Dream." A dance music session will continue from 9.30 till 11 p.m.

**ON** Friday afternoon Miss Buccleuch, of the D.S.A., will give a talk on fashions.

There will be a classical programme on Friday evening, the contributing artists being Miss Olga E. Wynne (soprano), Mr. G. Crawford (tenor), Mr. A. Lungley (baritone), Miss Maiona Juriss (a well-known Christchurch elocutionist) and an instrumental trio consisting of Misses Ethel Wallace, Marjorie Smith, and Sybil Baker. To two of Miss Wynne's solos—"By the Waters of Minnetonka" and Tosti's "La Sere-nata"—violin obligato will be played by Miss Wallace. Miss Marjorie Smith will play two 'cello solos, "Softly Awakes My Heart" and Offenbach's "Barcarolle."

will also be present with a bright little band of performers. **SUNDAY.**—Children's Song Service conducted by Uncle Leo, assisted by Mount Eden Baptist Sunday School.

## AT 2YA.

**MONDAY, FEBRUARY 24.**—Uncle Jeff to-night. A delightful miscellaneous programme has been specially prepared for to-night by Mrs. Scott's pupils. There will be group songs, sketches, part songs, recitation, duets and the Porirua Maori girls will sing the Poi Song. **TUESDAY.**—Uncle Jim will be sending greetings to-night assisted by Cousin Marjorie, who will sing "In Japanese Butterfly Land" and "In Drowsietown." Pupils of Laurie Anderson will give violin solos, and pianoforte items will be played by pupils of Mr. Gordon Short.

**THURSDAY.**—Cousin Bob will be back again to-night with his excellent Mouth Organ Symphony Orchestra. Cousins Jean and Deidre will bring their ukuleles and play and sing, Cousin Gladys will recite, and Uncle George will be here.

**FRIDAY.**—The pupils of Miss McBain will be here to-night with Big Brother Jack to recite, and play piano solos and duets. If Cousins Freda and Dolores return to Wellington in time they will also help with the programme.

**SATURDAY.**—Uncle Toby and his aeroplane to-night. Cousin Ann will again be present with her banjo, playing "The Banshee" and "Beat As You Go." Cousins Eileen, Heather, and Merle will also be at the studio.

**SUNDAY.**—Mr. Aked will assist Uncle George to-night. He is bringing the children who sing in the Thorndon Methodist Choir with him.

## AT 3YA.

**MONDAY, FEBRUARY 24.**—This is the night that Scatterjoy starts a "story corner"—so, if you are listening you will hear all about it, and then start to write your little stories.

**WEDNESDAY.**—"Uncle John" has a little juvenile choir to help him this evening, so you are sure to have some merry songs and music, as well as good stories.

**THURSDAY.**—You will remember "Ladybird" who helped "Uncle Frank" last week? Well, here she is again to-night, singing and telling stories for you; and "Uncle Frank" at the microphone, too.

**FRIDAY.**—Here is a surprise for you. "Chuckie" is in charge of the children. (Concluded on page 21.)

**ON** Saturday evening the programme will be relayed from 3YA.

## Children's Sessions

### AT 1YA.

**TUESDAY, FEBRUARY 25.**—Something fresh from our Uncle Dave, songs from Cousin Doreen, and other pupils from Madame Humphrey Steward.

**WEDNESDAY.**—Uncle Tom with the assistance of Cousins Pat and Kathleen in songs and recitations will entertain the radio family for an hour.

**THURSDAY.**—Mrs. Carte-Lloyd is bringing her pupils this evening, so listen to the interesting sketches and dialogues they will present. Peter Pan will have stories and birthday greetings.

**FRIDAY.**—Aunt Pearl is coming to sing duets with Aunt Jean, and will tell interesting stories, and the Radio Postman will be kept busy.

**SATURDAY.**—Cinderella away on holiday, so a brand new Aunt in charge—Aunt Daisy—who will spread cheer-germs. Aunt Nellie

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# Full Programmes for Next

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## Sunday, February 23

### 1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, FEBRUARY 23.

- 3.0 : Afternoon session—Selected studio items and literary selection by the Announcer.  
 4.30 : Close down. Evening session.  
 6.0 : Children's song service, conducted by "Uncle Leo."  
 6.55 : Divine service, relayed from the Baptist Tabernacle. Preacher, Rev. Joseph Kemp. Choirmaster, Mr. A. E. Wilson.  
 8.30 : (approx.) Relay of concert by Auckland Municipal Band, conducted by Mr. Christopher Smith from Albert Park.  
 9.45 : God Save the King.

### 2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, FEBRUARY 23.

- 3.0 to 4.30 : Afternoon Session.  
 7.0 : Relay of Evening Service from St. Paul's Pro-Cathedral. Preacher: Rev. Percival James. Organist and Choirmaster: Mr. Robert Parker.  
 8.15 (approx.) : Studio Concert by Wellington Artillery Band, Conductor Capt. T. Herd, assisted by 2YA artists.  
 Hymn—Wellington Artillery Band, "Lead Kindly Light" (arrgd. Herd)  
 Overture—"The Golden Cross" (Greenwood).  
 Soprano—Mrs. Dorothy Ross, "There is a Green Hill" (Gounod).  
 San Francisco Symphony Orchestra, "Rosamunde-Entr'acte" (Schubert) (H.M.V. D1568).  
 Bass—Mr. G. Madigan, "Alma Redemptoris" (Mozart).  
 Descriptive—Wellington Artillery Band, "In the Chapel" (Ellenberg); Selection.  
 Serenade—"Summer Breezes" (Beyer).  
 Mezzo-Contralto—Miss Mollie Fenton, "A Prayer to Our Lady" (Ford).  
 Tenor—Leonard Gowings, "Angels Guard Thee" (Godard).  
 March—Wellington Artillery Band, "Invicta" (Greenwood).  
 Weather report and announcements.  
 Soprano—Mrs. Dorothy Ross (a) "Spring" (Tosti); (b) "The Boat Song" (Ware).  
 Bass—Mr. G. Madigan, "The Windmill" (Nelson).  
 Fantasia—Wellington Artillery Band, "A Summer Day" (Greenwood).  
 Mezzo-contralto—Miss Mollie Fenton "Ships of Arcady" (Michael Head).  
 Tenor—Leonard Gowings, "Murmuring Breezes" (Jensen).  
 Cornet and Euphonium duet—Bandsmen Bolt and Garry, "Oh Mari-tana" (Wallace).  
 Duet with chorus and Orchestra—Mavis Bennett and John Turner, vocal gems from "Il Trovatore" (Verdi).  
 Concerted with orchestra, Grand Opera Company, vocal gems from "Il Trovatore" (Verdi) (H.M.V. C1692).  
 March—Wellington Artillery Band, "Star of the Desert" (Thomas).  
 Close down.

### 3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, FEBRUARY 23.

- 3.0 : Afternoon session. Gramophone recital.  
 4.30 : Close down.  
 5.30 : Chimes.  
 Children's song service, conducted by the Rev. A. McMaster, assisted by the children from the Presbyterian Sunday School.  
 6.15 : Chimes from studio.  
 6.30 : Specially selected gramophone items.  
 7.0 : Relay of evening service from Knox Presbyterian Church, Bealey Avenue, Christchurch. Preacher, Rev. T. W. Armour. Organist, Mr. Alan Welbroek. Musical Director, Mr. A. G. Thompson.  
 8.15 : (approx.) Relay of studio programme from 4YA, Dunedin.  
 9.30 : (approx.) God Save the King.

### 4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, FEBRUARY 23.

- 3.0 : Town Hall chimes.  
 3.1 : Selected gramophone items.  
 4.30 : Close down.  
 5.30 : Children's song service, conducted by Big Brother Bill.  
 6.15 : Close down.  
 6.30 : Relay of Church Service from Trinity Methodist Church, Moray Place. Preacher, Rev. H. E. Bellhouse. Choirmaster, Mr. Simpson. Organist, Miss E. Hartley.  
 8.15 : Studio concert by the Woolston Band, under the conductorship of Mr. R. J. Estall.  
 March—The Band, "Thin Red Line" (Alford).  
 Overture—The Band, "Poet and Peasant" (Suppe).

- 8.27 : Contralto—Miss Irene Horniblow, L.R.A.M., Negro Spirituals, (a) "Steal Away" (Burleigh); (b) "Deep River" (Burleigh).  
 8.31 : Tenor with orchestra—Tudor Davis, "Prize Song," from "The Mastersingers of Nuremberg" (Wagner) (H.M.V. D758).  
 8.35 : Cornet solo with band—Bandsmen R. Ohlsen, "Nightingale Polka" (Moss).  
 8.40 : Chorus—"Finale of Opera, 'The Mastersingers of Nuremberg'" (Wagner) (H.M.V. D758).  
 8.52 : Piano—Mr. T. J. Kirk-Burnmand, (a) "Prelude and Fugue in A Major" (Bach); (b) "Chopin Valse in A Flat, Op. 69" (Chopin).  
 9.2 : Selection—Band, "Mignon" (Thomas).  
 9.12 : Contralto—Miss Irene Horniblow, L.R.A.M., "The Mantle of Blue" (Bridge).  
 9.16 : Grand organ—R. Arnold Grier, F.R.C.O., "Aubade" (Grier).  
 9.19 : Trombone solo—Bandsmen E. Williams, "Winning Spirit" (Moss).  
 Suite—Band, "Ballet Egyptian, Nos. 1 and 2" (Luigini).  
 9.24 : Baritone—Mr. Les Stubbs, (a) "Not Understood" (Houghton); (b) "My Prayer" (Squire).  
 9.31 : Choir and organ—Choir of Mormon Tabernacle, "Behold, God the Lord" (Mendelssohn) (Zonophone EF14).  
 9.35 : Air Varie—Band, "Simeon" (Rimmer). March, "Dunedin" (Alford).  
 God Save the King.

## Monday, February 24

### 1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, FEBRUARY 24.

SILENT DAY.

### 2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, FEBRUARY 24.

- 3.0 : Chimes.  
 3.1 : Relay description from the Basin Reserve of second day of Plunket Shield Match—Wellington v. Auckland, interspersed with studio items. (Narrator, Mr. A. Varney).  
 5.0 : Children's Session.  
 6.0 : Dinner Music Session, "Columbia" Hour.  
 Selection—Court Symphony Orchestra, "The Windmill Man" (02909).  
 J. H. Squire Celeste Octet—"Scene De Ballet" (De Beriot) (argd. Sear) (02937).  
 Halle Orchestra—"Hungarian Dance No. 5 in G Minor" (Brahms).  
 6.13 : Tacet.  
 6.15 : Plaza Theatre Orchestra, "The Three Bears" Phantasy (Coates).  
 J. H. Squire Celeste Octet, "A Vision of Christmastide" (Harrison).  
 6.27 : Tacet.  
 6.30 : Regimental Band of H.M. Grenadier Guards, "La Benediction Des Poignards" (Meyerbeer) (02931).  
 Bournemouth Municipal Orchestra, "Echoes of the Valley" (Gennin).  
 J. H. Squire Celeste Octet—"Second Movement from Symphonie Path-etique" (Tschaiowsky, arrgd. Robertson) (02937).  
 Halle Orchestra—"Hungarian Dance No. 6 in D (Brahms) (01677).  
 6.43 : Tacet.  
 6.45 : Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).  
 Regimental Band of H.M. Grenadier Guards, "Lo, Here the Gentle Lark" (Bishop, arrgd. Godfrey) (02913).  
 Herman Finck's Orchestra, "Christmas Memories" (arrgd. Finck).  
 6.59 : Tacet.  
 7.0 : News session, market reports and sports results.  
 7.40 : Lecturette—Mr. W. F. Dudson, "The Danger of Obesity."  
 8.0 : Chimes.  
 Overture—2YA Orchestra (Conductor Signor A. P. Truda) "Mirelle" (Gounod).  
 8.9 : Soprano—Miss Jeanette Briggs, L.A.B. "Nymphs and Fauns" (Bem-berg).  
 8.13 : Bass with Male Voices—Mr. J. M. Caldwell, A Group of Sea Shanties (a) "Whisky Johnny"; (b) "Can't Ye Dance the Polka"; (c) "Johnny Come Down to Hilo" (arrgd. Terry).  
 8.21 : Selection—2YA Orchestra, "Pelleas and Melisande" (Sibelius).  
 8.31 : Elocution—Mr. Norman Aitken, "Is Pipe" (C. H. Taylor).  
 8.38 : Mezzo-contralto—Miss Ngaire Coster, "Ombra Mai Fu" (Handel).  
 8.42 : Tenor—Mr. W. Roy Hill, (a) "The Little Red Lark" (trdtl. Irish); (b) "White Snowdon" (trdtl. Welsh).  
 8.49 : Suite—2YA Orchestra, "Suite Algerienne" (Saint-Saens).  
 8.59 : Weather report and announcements.  
 9.1 : Pianoforte—Miss Mary Lennie, L.T.C.L. "Naila Waltz" (Dellbes-Dohnanyi).  
 9.8 : Quartet—Ariel Singers, "Sleep Gentle Lady" (Bishop).  
 9.12 : Cornet solo with orchestra, Mr. S. Bernard, "Adieu" (Schubert).



# Week-all Stations-to Mar. 2

[Copyright.—These programmes are copyright, but individual daily programmes may be published on day of performance.]

- 9.17: Male Chorus—Utica Institute Jubilee Singers, Negro Spirituals, (a) "Leaning on the Lord"; (b) "Balm in Gilead."  
 9.23: Elocution—Mr. Norman Aitken, "He's an Awfully Nice Fellow to Speak To" (Original).  
 9.30: Violin—Fritz Kreisler, (a) "Rondino" (Kreisler); (b) "Schon Rosmarin" (Kreisler) (H.M.V. DA1044).  
 9.36: Soprano—Miss Jeanette Briggs, "Madrigal" (Chaminade).  
 9.40: Duet—John Hislop and Apollo Granforte, "O Mimì Tu Più" from "La Bohème" (Puccini) (H.M.V. DB939).  
 9.44: String quartet—Elman String Quartet, "Andante Cantabile" Quartet Op. 11 (Tschaikowsky) (H.M.V. DB 1055).  
 9.48: Mezzo-contralto—Miss Ngaira Ooster, "Cradle Song" (Kreisler).  
 9.52: Instrumental 2YA Orchestral, (a) "End" (Schumann); (b) "Minuet in G" (Beethoven).  
 10.0 : God Save the King.

## 3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, FEBRUARY 24.

- 3.0 : Afternoon Session, Gramophone Recital.  
 4.25: Sports results.  
 4.30: Close down.  
 5.0 : Children's Hour, conducted by "Scatterjoy."  
 6.0 : Dinner Music, "Columbia" Hour.  
 Selection—H.M. Grenadier Guards, "Merrie England" (German).  
 Instrumental—Bournemouth Municipal Orchestra, "Idylle Bretonne" (Gennin) (02800).  
 6.12: Tacet.  
 6.15: Waltz: Jacques Jacobs Ensemble, "L'Estudiantina" (Waldteufel).  
 Instrumental—Plaza Theatre Orchestra, (a) "A La Gavotte" (Finck); (b) "Minuet" (Finck) (01439).  
 March—H.M. Grenadier Guards Band, "Old Panama" (Alford).  
 6.27: Tacet.  
 6.30: Instrumental—Ketelbey's Concert Orchestra, "The Sacred Hour" (Ketelbey) (01528).  
 Instrumental—Sandler's Orchestra, "Somebody, Somewhere" (Rapee).  
 Instrumental—Bournemouth Municipal Orchestra, "Fluttering Birds" (Gennin) (02800).  
 6.43: Tacet.  
 6.45: Quartet—Musical Art Quartet (a) "Mighty Lak a Rose" (Nevin); (b) "To a Wild Rose" (McDowell) (01506).  
 Instrumental—Sandler's Orchestra, "Sonny Boy" (De Sylva).  
 March—H.M. Grenadier Guards, "Dunedin" (Alford) (01535).  
 6.57: Tacet.  
 7.0 : News session.  
 8.0 : Chimes.  
 Band programme, featuring New Brighton Municipal Band, assisted by 3YA artists.  
 March—Band, "El Albanico" (Javaloyes).  
 Waltz—Band, "Donau Wellen" (Ivanovici).  
 8.8 : Popular songs—Mrs. Betty Hilliard, "Louise" (Whiting).  
 8.12: Organ—Nicholas Robins, "Sing a Little Love Song" (Gottler-Mitchell-Conrad) (Columbia 01760).  
 8.15: Tenor—Mr. William J. Bischlager, "Ashore" (Trotiere).  
 8.21: Foxtrots—Band, "Shinaniki Da" (Carlton) "I'm Just a Vagabond Lover" (Vallee).  
 8.27: Contralto—Miss Eileen Irwin, "In an Old-Fashioned Town" (Squire).  
 8.30: Humour—Mr. J. J. Flewellyn, "The Optimistic Chap" (Anon).  
 8.35: Selection—Herman Finck and His Orchestra, "Waldteufel Memories" (arrgd. Finck) (Columbia 02985).  
 8.43: Baritone—Mr. Leslie Stewart, (a) "Marguerite" (White); (b) "I Love a Little Cottage" (D'Hara).  
 8.49: Dialogue—George Graves and Myles Clifton, "The 'Ole in the Road" (Seamack) (Columbia 02939).  
 8.57: Selection—Band, "Jupiter" (Frost).  
 9.4 : Weather report and announcements.  
 9.5 : Contralto—Miss Eileen Irwin, (a) "I Hear a Thrush at Eve" (Wakefield); (b) "The Bird With a Broken Wing" (Jolson).  
 9.11: Waltz—Band, "Mistakes" (Lytton).  
 9.15: Tenor—Mr. W. J. Bischlager, (a) "I Hear You Calling Me" (Marshall); (b) "Lorraine" (Sanderson).  
 9.19: Organ—Nicholas Robins, "This is Heaven" (Yellen-Akst).  
 9.22: Popular songs—Mrs. Betty Hilliard, (a) "Big City Blues" (Gottler); (b) "All Alone" (Berlin).  
 9.28: Humour—Mr. J. J. Flewellyn, "The Insurance Agent Answered" (Stephen Leacock).  
 9.33: Hymn—Band, (a) "Abide With Me" (Monk); (b) "Jesu Lover of My Soul" (Dykes).  
 9.39: Chorus—Columbia Light Opera Company, "The New Moon" vocal gems (Romberg) (Columbia 05019).  
 9.47: Baritone—Mr. Leslie Stewart, "Loves Garden of Roses" (Wood).

- 9.51: Foxtrots—Band, "That's My Weakness Now" (Green).  
 Foxtrots—Solo by Miss Betty Hilliard and Band, "Honey" (Simons).  
 March—Band, "Boulder City" (Ord Hume).  
 10.2 : God Save the King.

## 4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, FEBRUARY 24.

- 3.0 : Chimes. Selected gramophone items.  
 4.25: Sporting results.  
 4.30: Close down.  
 5.0 : Children's Hour, conducted by Uncle Allan.  
 6.0 : Dinner Music, "H.M.V." Hour.  
 Selection—New Mayfair Orchestra, "Lilac Time" (Schubert-Clutsam).  
 Orchestral—Royal Opera Orchestra, "Carmen Ballet No. 1" (Bizet).  
 6.12: Tacet.  
 6.15: Orchestral—National Symphony Orchestra, "William Tell" overture (Rossini) (Zonophone 2969/70).  
 6.27: Tacet.  
 6.30: Instrumental—Royal Opera Orchestra, "Sylvia Ballet-Pizzicata and Procession of Bacchus" (Clai8).  
 Orchestral—Royal Opera Orchestra, "Carmen Ballet No. 2" (Bizet).  
 6.42: Tacet.  
 6.45: Instrumental—Detroit Symphony Orchestra, "Spanish Rhapsody" (Chabrier) (E522).  
 Instrumental—Philadelphia Symphony Orchestra, "Nocturne No. 2 Fetes" (Debussy) (E507).  
 6.57: Tacet.  
 7.0 : News Session.  
 8.0 : Chimes.  
 Selection—"Salon Orchestra," under Dr. A. H. Pettitt, "Il Trovatore" (Verdi).  
 8.10: Soprano—Miss Aileen Young, "Roberto, O Tu Che Adoro" from "Roberto il Diavolo" (Meyerbeer).  
 8.14: Cello—W. H. Squire, (a) "Melody in F" (Rubinstein-Popper); (b) "Silver Threads Among the Gold" (Danks, arrgd. Squire).  
 8.22: Recital—Mr. Carl Moller, "The Presentation of Prizes" (Stewart).  
 8.28: Sextette—Salon Orchestra, Sextette from "Lucia Di Lammermoor" (Donizetti).  
 8.35: Baritone—Mr. A. W. Alloo, (a) "Angels Guard Thee" (Godard); (b) "Tankerton Inn" (Fisher).  
 8.42: Selection—Salon Orchestra, (a) "Siegmund's Liebslied" from Wagner's "Ring" (Wagner); (b) "March of the Marionette" (Gounod).  
 8.54: Contralto—Miss Gwenda Burt, two songs from "Our Miss Gibbs" (Monckton), (a) "Romance"; (b) "Arms and the Man".  
 9.1 : Weather report.  
 9.3 : Selection—Salon Orchestra, (a) selection from Bizet's "Carmen" (Bizet); (b) quartet from "Rigoletto" (Verdi).  
 9.22: Mandolin Band—Circolo Mandolinistico, "La Traviata Prelude Act 1" (Verdi) (Columbia 02566).  
 9.26: Recitals—Mr. Carl Moller, (a) "The Country Wedding" (Stanford).  
 9.32: Overture—Salon Orchestra, "The Beautiful Galatea" (Suppe).  
 9.40: Baritone—Mr. A. W. Alloo, "The Sword of Ferarra" (Rogers).  
 9.44: Mandolin band—Circolo Mandolinistico, "La Traviata Prelude Act 4" (Verdi) (Columbia 02566).  
 9.48: Contralto—Miss Gwenda Burt, "The Cinnamon Tree" from "Cingalee" (Monckton).  
 9.52: Valse di Concert, Salon Orchestra, "Beautiful Spring" (Lincke).  
 10.0 : God Save the King.

## Tuesday, February 25

### 1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, FEBRUARY 25.

- 3.0 : Afternoon session—Selected studio items, and literary selection by the Announcer.  
 4.30: Close down.  
 5.0 : Children's session.  
 6.0 : Dinner session—"Columbia" Hour:  
 Intermezzo—Milan Symphony Orchestra, "Cavalleria Rusticana" (Mascagni) (Columbia 02841).  
 Selection—Herman Finck's Orchestra, "Schubertiana" (arr. Finck).  
 6.12: Tacet.  
 6.15: Selection—Herman Finck's Orchestra, "Schubertiana" (arr. Finck).  
 Marimba Orchestra—Rio Marimba Orchestra, "Three o'clock in the Morning" (Robledo) (02685).  
 6.27: Tacet.  
 6.30: Orchestral—Bayreuth Festival Orchestra, "Siegfried—Prelude," Act 3 (Wagner) (L2015).  
 Waltz—Eddie Thomas's Collegians, "Moments with You" (Shilkret).

- Waltz—Eddie Thomas's Collegians, "Moonlight on the Danube" (Gay).  
 Wurlitzer organ—Stanley MacDonald, "La Rosita" (Dupont) (Regal).  
 6.43: Tacet.  
 6.45: Selection—Regal Orchestra, "Pagliacci" (Leoncavallo) (Regal).  
 Marimba orchestra—Rio Marimba Orchestra, "My Isle of Golden Dreams" (Blaufluss) (02685).  
 6.57: Tacet.  
 7.0: News and market reports.  
 7.40: Talk, Mr. George Baildon, Mayor of Auckland, "The Auckland Zoological Park and Society."  
 8.0: Chimes. Orchestral—1YA Orchestral Octet, conducted by Eric Waters, Selection from "The Chocolate Soldier" (Strauss).  
 8.10: Vocal quartet—The Olympian Quartet, "The Sea Hath Its Pearls" (Pinsuti).  
 8.14: Cello—Beatrice Harrison, "Harlequinade" (Popper) (H.M.V. C1626).  
 8.18: Contralto—Miss Martha Williamson, (a) "My Laddie" (Princess Troubetzkoy), (b) "Dreaming of Home" (Besley).  
 8.25: Cornet solo with orchestral accompaniment, Mr. W. Shepley and 1YA Orchestral Octet, "Ave Maria" (Mascagni).  
 8.34: Baritone—Mr. H. Barry Coney, "Star of Eve" (Pannhauser)—Wagner.  
 8.38: Piano—Mr. Cyril Towsey, Adagio from "Wanderer Fantasia" (Schubert-Liszt).  
 8.51: Talk—Mr. A. B. Chappell, M.A., "Topical Talk."  
 9.6: Evening weather forecast and announcements.  
 9.8: Orchestral—1YA Orchestral Octet, selection from the opera "The Pearl Fishers" (Bizet).  
 9.17: Soprano—Miss D. Youd, (a) "Ritorna Vincitor" (May Laurels Crown Thy Brow) ("Aida"—Verdi), (b) "Lavender Lane" (Samuel).  
 9.24: Cello—Beatrice Harrison, "The Broken Melody" (Van Biene) (H.M.V.).  
 9.28: Tenor—Mr. Lambert Harvey, (a) "Then You'll Remember Me" ("Bohemian Girl"—Balfé), (b) "Questa o quella" ("Il Trovatore"—Verdi).  
 9.35: Orchestral—1YA Orchestral Octet, "Coppelia Ballet" (Delibes): (1) Slavonic Folk Song, (2) Festival Dance and Waltz of the Hours, (3) Nocturne, (4) Czardas.  
 9.44: Baritone—Mr. H. Barry Coney, "Song of the Toreador" ("Carmen"—Bizet).  
 9.48: Selection—Band of H.M. Coldstream Guards, "Les Cloches de Corneville" (Planquette) (H.M.V. C129).  
 9.52: Vocal quartet—The Olympian Quartet, "Sleepy Hollow Tune" (Knoetz).  
 9.56: Orchestral—1YA Orchestral Octet, (a) "You're the Cream in My Coffee" (Henderson), (b) "The One in the World" (Eckersley).  
 10.3: God Save the King.
- 2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, FEBRUARY 25.**
- 3.0: Chimes. Relay description from the Basin Reserve of the Plunket Shield Cricket Match—Wellington versus Auckland—interspersed with studio items (Narrator, Mr. A. Varney).  
 5.0: Children's session.  
 6.0: Dinner music session—"H.M.V." Hour.  
 March—American Legion Band, "The Conqueror" (Teike) (Zono.).  
 Selection—Savoy Orpheans, "Lido Lady" (Rodgers) (C1310).  
 6.12: Tacet.  
 6.15: New Light Symphony Orchestra, "Rustic Wedding Symphony" (Goldmark) (C1210).  
 Victor Olof Sextet, "To a Water Lily" (Macdowell) (B2690).  
 New Light Symphony Orchestra, "Spanish Dance" (Moskowski).  
 Wurlitzer organ—Reginald Foort, "Just Like a Darby and Joan" (Gilbert) (B2775).  
 6.28: Tacet.  
 6.30: Jack Hylton's Orchestra, "The Selfish Giant" (Coates) (C1253).  
 Victor Olof Sextet, (a) "To a Wild Rose"; (b) "In Autumn" (Macdowell) (B2690).  
 Violin and Wurlitzer organ—De Groot and Terence Casey, "Parted" (Tosti) (B2920).  
 6.44: Tacet.  
 6.45: Victor Symphony Orchestra, "Dance of the Hours" (Ponchielli).  
 Wurlitzer organ—Reginald Foort, "Love Lies" (Kellard) (B2775).  
 March—American Legion Band, "Iowa Corn Song" (arrgd. Beeston).  
 6.58: Tacet.  
 7.0: News session, market reports and sports results.  
 7.40: Lecturette—Representative Agricultural Department, "For the Man on the Land."  
 8.0: Chimes.  
 Overture—2YA Salon Orchestra (Conductor, Mr. Mat Dixon), "If I Were King" (Adam).  
 8.9: Contralto—Miss Violet Roberts, (a) "Redskin" (Zamecnik); (b) "Little Pal" (Jolson, de Sylva, Brown and Henderson).  
 8.15: Baritone—Mr. Harry Matthew, "Lighterman Tom" (Squire).  
 8.19: Popular song—Miss Lily Charles, "Painting the Clouds with Sunshine" (Bubin-Burke).  
 8.23: Instrumental—2YA Salon Orchestra, (a) "Wiegenlied" (Burmester); (b) "Rokoko" (Burmester).  
 8.33: Hebrew humour—Ajax, "Cohen Broadcasts" (Hayman).  
 8.40: Contralto—Miss Violet Roberts, "I'm Bringing a Red, Red Rose," from "Whoopee" (Kahn-Donaldson).  
 8.44: Baritone—Mr. Harry Matthew, (a) "My Desire" (Wakefield-Cadman); (b) "Tally Ho" (Leoni).  
 8.51: Instrumental—2YA Salon Orchestra, request item.  
 8.59: Weather report and announcements.
- 9.1: Suite—2YA Salon Orchestra, "Dances Miniature de Ballet" (Ansell).  
 9.9: Popular songs—Miss Lily Charles, (a) "Dream Lover" (Scherzinger); (b) "Love—Your Spell is Everywhere" (Goulding).  
 9.16: Hebrew humour—Ajax, "Cohen Goes to Wembley" (Hayman).  
 9.23: Instrumental—2YA Salon Orchestra, "Trot de Cavalerie" (Rubinstein).  
 9.30: Dance programme—"Columbia."  
 Foxtrot—Paul Specht's Orchestra, "I Love You, I Love You" (Firth).  
 Foxtrot—Vern Buck's Orchestra, "What a Girl! What a Night!" (Sanders) (01469).  
 9.39: Organ solo—Terence Casey, "I'm Lonely" (Coates) (01501).  
 Foxtrot—Stellar Dance Band, "In the Shadows" (Finck) (Regal).  
 Foxtrot—Piccadilly Players, "Who Did? You Did" (Kaimar).  
 Waltz—Continental Novelty Quintet, "Sunlight" (Regal G20432).  
 9.51: Vocal duet—The Trix Sisters, "My Rock-a-Bye Baby" (Leslie).  
 Foxtrot with vocal refrain—Jan Garber's Orchestra, "Weary River" (Silvers) (Columbia 01459).  
 Foxtrot—Ben Selvin's Orchestra, "If I Had You" (Shapiro) (01469).  
 10.0: Bass solo—Robert Easton, "If Ever I Meet the Sergeant" (Wright).  
 Foxtrot—Stellar Dance Band, "The Song I Love" (de Sylva) (Regal).  
 Foxtrot—The Piccadilly Players, "Happy-Go-Lucky Bird" (Kaimar).  
 10.9: Organ—Terence Casey, "Bird Songs at Eventide" (Coates) (01501).  
 Foxtrot—Ben Selvin's Orchestra, "If You Want the Rainbow" (Rose).  
 Foxtrot—California Ramblers, "You're Just a Great Big Baby Doll" (Herscher) (01365).  
 Waltz—Continental Novelty Quintet, "On Board" (Regal G20432).  
 10.21: Vocal duet—The Trix Sisters, "I'm Crazy Over You" (Sherman).  
 Foxtrot—California Ramblers, "Bless You, Sister" (Robinson).  
 Waltz—The Cavaliers, "I Loved You Then as I Love You Now" (Axt).  
 10.30: Band—Garde Republicaine de France, "Marche Indienne" (Sellenick).  
 Foxtrot—Stellar Dance Band, "Heartbroken and Lonely" (Coslow).  
 Foxtrot—Piccadilly Band, "A Room with a View" (Coward) (01420).  
 10.39: Baritone—Tom Barratt, "Happy Days and Lonely Nights" (Rose).  
 Foxtrot—Stellar Dance Band, "I Can't Make Her Happy" (Pollack).  
 Waltz—Eddie Thomas' Collegians, "Moments with You" (Sbilkret).  
 Band—Garde Republicaine de France, "Le Bombarrier" (Pares).  
 Foxtrot—Piccadilly Band, "Try to Learn to Love" (Coward) (01420).  
 Waltz—Eddie Thomas' Collegians, "Moonlight on the Danube" (Gay).  
 Baritone solo—Tom Barratt, "Shout Hallelujah 'Cause I'm Home" (Dixon) (Regal G20457).  
 11.0: God Save the King.

### 3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, FEBRUARY 25.

SILENT DAY.

### 4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, FEBRUARY 25.

- 3.0: Chimes. Selected gramophone items.  
 4.25: Sporting results.  
 4.30: Close down.  
 5.0: Children's Hour, conducted by Uncle George.  
 6.0: Dinner session—"Columbia" Hour:  
 Band—Band of the Garde Republicaine of France, "The Two pigeons":  
 (1) Entrance of Tziganes, (2) Scene and March of the Two Pigeons (Messenger) (02924).  
 Band—Band of the Garde Republicaine of France, "The Two Pigeons":  
 (3) Hungarian Dance, (4) Theme and Variations (Messenger).  
 6.14: Tacet.  
 6.15: Orchestral—Modern Dance Players, "Over the Waves" (Rosas) (Regal).  
 Orchestral—Modern Dance Players, "Amoretten Tanze" (Gungl).  
 Piano—Gil Dech, "Le Jet d'Eau" (Smith) (01710).  
 Band—B.R.C. Wireless Military Band, "Fourpence-Halfpenny Farthing" (arr. Cecil J. Sharp) (01710).  
 Trio—Stellar Instrumental Trio, "The Maiden's Prayer" (Badarzewska) (01710).  
 6.28: Tacet.  
 6.30: Band—H.M. Grenadier Guards, "Fantasia on 17th Century Music, A.D. 1664" (arr. Major George Miller) (02890).  
 Organ—Terence Casey, "Bird Songs at Eventide" (Coates) (01501).  
 Orchestral—Continental Novelty Orchestra, "Los Claveles de Sevilla" (Guerrero) (Regal G20552).  
 6.43: Tacet.  
 6.45: Orchestral—Continental Novelty Orchestra, "Las Lagarteranas" (Guerrero and Foulkes) (Regal G20552).  
 Instrumental—Squire Celeste Octet, "Come Into the Garden, Maud" (Balfé, arr. Sear) (01103).  
 Instrumental—Squire Celeste Octet, "Killarney" (Balfé, arr. Sear).  
 Organ—Terence Casey, "I'm Lonely" (Coates) (01501).  
 Band—B.R.C. Wireless Military Band, "Lilli Buriello" (arr. Cecil J. Sharp) (01710).  
 6.59: Tacet.  
 7.0: News session.  
 8.0: Chimes. Overture—Band of H.M. Grenadier Guards, "New Sullivan Selection" (Sullivan) (Columbia 02731).  
 8.9: Soprano—Miss E. Shepard, (a) "Love Triumphant" (Brahms), (b) "A Thought" (Nevin).  
 8.16: Instrumental—4YA Broadcasting Trio, Musical Switch (Alford).  
 8.26: Recitals—Mr. A. Gorrie, Series No. 2, "Poets Lost to England During the Great War."  
 8.41: Bass-Baritone—Mr. G. M. Salmond, "The Sands of Dee" (F. Clay).

- 8.45: Instrumental—4YA Broadcasting Trio, "Three Henry VIII. Dances" (German).  
 8.56: Tenor—Mr. W. Harrison, "My Sweetheart When a Boy" (Morgan).  
 9.0: Weather report.  
 9.2: Selection—Band of H.M. Grenadier Guards, "Merrie England" (German).  
 9.10: Soprano—Miss E. Shepard, "Columbine's Garden" (M. Belsey).  
 9.14: Instrumental—4YA Broadcasting Trio, (a) "Serenade" (Widor), (b) Londonderry Air" (traditional).  
 9.24: Bass-Baritone—Mr. G. M. Salmond, "When the Swallows Homeward Fly" (White).  
 9.28: Piano—Mrs. C. Drake, "Gavotte" (Gluck-Brah).  
 9.33: Male choir—Salisbury Singers, "Sleep, Gentle Lady" (Planche), "Round About a Wood" (Morley) (Columbia 01498).  
 9.39: Tenor—Mr. W. Harrison, (a) "A Resolve" (Fontenailles), (b) "Mary" (Richardson).  
 9.46: Instrumental—4YA Broadcasting Trio, Suite, "A Night in Venice" (Nevin).  
 9.56: March medley—Band of H.M.M. Grenadier Guards, "Martial Moments" (arr. Winsor) (Columbia 9065).  
 10.2: God Save the King.

## Wednesday, February 26

### 1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, FEBRUARY 26.

- 3.0: Afternoon session—Selected studio items and literary selection by the Announcer.  
 4.30: Close down.  
 5.0: Children's session, conducted by "Uncle Tom."  
 6.0: Dinner session—"H.M.V." Hour.  
 Orchestral—New Symphony Orchestra, "Minuet" (Boccherini).  
 Orchestral—Nat Shilkret and the Salon Group, Stephen Foster Melodies, "My Old Kentucky Home" (Foster) (EB42).  
 Band—H.M. Coldstream Guards, "Wee MacGregor's Patrol" (Amers).  
 Orchestral—Salon Orchestra, "Pagan Love Song" (Freed-Brown).  
 6.13: Tacet.  
 6.15: Orchestral—De Groot and Orchestra, "Waldteufel Memories" (arrgd. Herman Finck) (B3084).  
 Band—H.M. Coldstream Guards, "Policeman's Holiday" (Ewing).  
 Organ—Jesse Crawford, "I Get the Blues when it Rains" (Klauber-Stoddard) (EA632).  
 6.20: Tacet.  
 6.30: Band—H.M. Coldstream Guards, "Belle of New York" (Kerker).  
 Cello—Beatrice Harrison, "Viennese Melody" (Kreisler) (C1647).  
 Orchestral—Nat Shilkret and the Salon Group, Stephen Foster Melodies, "Old Black Joe" (Foster) (EB42).  
 6.43: Tacet.  
 6.45: Orchestral—New Symphony Orchestra, "Nell Gwynn Dances, No. 3" (German) (B3036).  
 Organ—Jesse Crawford, "I'll Always be in Love with You" (Ruby-Green-Stept) (EA631).  
 Band—H.M. Coldstream Guards, "Geisha" Selection (Jones) (C1703).  
 Orchestral—Salon Orchestra, "Wedding of the Painted Doll" (Freed-Brown) (EA633).  
 7.0: News and market reports.  
 7.40: Talk—Mr. Norman Kerr, "Physical Culture."  
 8.0: Chimes.  
 Orchestral—Reg Morgan and His Orchestra, Selection from "Chu Chin Chow" (Norton).  
 8.10: Soprano with dulcitone accompaniment—Miss Edith Whittaker, (a) "Come Lassies and Lads" (17th Century); (b) "To the Maypole Haste Away" (Time of Queen Elizabeth).  
 8.16: Violin—Mr. Frank Parsons, "Valse Caprice" (Boyd).  
 8.20: Tenor—Mr. Ian H. Barry, "Dolorosa" (Phillips).  
 8.23: Orchestral—Reg Morgan's Orchestra, Bracket of Foxtrots, (a) "Lucky in Love" (de Sylva); (b) "The Best Things in Life" (de Sylva).  
 8.29: Contralto—Mrs. B. Jellard, (a) "Love's Coronation" (Aylward); (b) "Coming Home" (Willeby).  
 8.34: Flute—Mr. E. Hoffman, "Variations" (arrgd. Hoffman).  
 8.38: Baritone—Mr. Reg. Morgan, "Mignon" (D'Hardelot).  
 8.41: Orchestral—Red. Morgan's Orchestra, Selection, "Whoopee" (Kahn and Donaldson).  
 8.47: Soprano—Miss Edith Whittaker, "The Spring is Coming" (About 1700).  
 8.50: Trumpet—Mr. Robert Sprowl, "La Paloma" (Yradier).  
 8.54: Orchestral Waltz—Reg. Morgan's Orchestra, "Venus on Earth" (Lincke).  
 9.2: Evening weather forecast and announcements.  
 9.4: Contralto—Mrs. B. Jellard, "You'd Better Ask Me" (Lohr).  
 9.8: Violin—Mr. Frank Parsons, "Menuett" (Mozart).  
 9.12: Baritone—Mr. Reg. Morgan (Maori), "Hine e Hine" (Princess Te Rangī Pahi).  
 9.15: Orchestral—Reg. Morgan's Orchestra, (a) "That's You, Baby" (Gottler); (b) "The Sun is at My Window" (Meyer).  
 9.21: Tenor—Mr. Ian Barry, (a) "Sympathy" (Marshall); (b) "Lorraine" (O'Reilly).  
 9.29: Orchestral—Reg. Morgan's Orchestra, Dance Music, (a) "I'm Just a Vagabond Lover" (Vallee); (b) "My Loved One" (Franco); (c) "Josie and Me" (O'Hagan); (d) "Laughing Marionette" (Collins).

- 9.33: Lecture-recital—A Commentator, "Latest Gramophone Recordings."  
 10.3: God Save the King.

### 2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, FEBRUARY 27.

For detailed programme see page 7.

### 3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, FEB. 26.

- 3.0: Afternoon session. Gramophone Recital.  
 4.25: Sports results.  
 4.30: Close down.  
 5.0: Children's Hour, conducted by Uncle John.  
 6.0: Dinner Session, "H.M.V." Hour.  
 Overture—National Symphony Orchestra, "Orpheus in Hades" (Offenbach) (Zonophone BF16).  
 Instrumental—San Francisco Symphony Orchestra, "Caprice Viennois" (Kreisler) (D1272).  
 6.12: Tacet.  
 6.15: Instrumental—New Light Symphony Orchestra, (a) "Spring Song" (Mendelssohn); (b) "Narcissus" (Nevin) (Zonophone EE111).  
 Instrumental—San Francisco Symphony Orchestra, "Coppelia Ballet" (Deibes) (D1272).  
 Violin—Fritz Kreisler, "Tango Albeniz" (arrgd. Kreisler) (DA1009).  
 6.28: Tacet.  
 6.30: Instrumental—Philadelphia Symphony Orchestra, "Invitation to the Waltz" (Weber) (D1285).  
 Instrumental—San Francisco Symphony Orchestra, (a) "Serenade" (Moszkowski); (b) "Oriental" (Auber) (ED6).  
 6.42: Tacet.  
 6.45: Orchestral—San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov) (D1492).  
 Instrumental—San Francisco Symphony Orchestra, "Liebeslied" (Kreisler) (ED6).  
 6.57: Tacet.  
 7.0: News session.  
 7.30: Adding stock market reports.  
 8.0: Chimes.  
 Operatic programme, featuring excerpts from "My Lady Frayle," followed by a miscellaneous programme.  
 8.1: Instrumental—Studio Instrumental Octet, (Conductor Mr. Harold Beck), (a) "Minuet" (Parker); (b) "Sleepy Dance" (Parker); (c) "Dance of the Fairies" (Parker).  
 8.10: Quartet—Salon Quartet, "Valse of France" from "My Lady Frayle" (Talbot) (Finck).  
 Baritone and Contralto—Salvina Duo, "Married Life" (Talbot and Finck).  
 8.16: Arthur Meale, "Souvenir Di Valentino" (Wood).  
 8.19: Baritone—Mr. J. Graham Young, "Song of the Bowl" (Talbot and Finck).  
 8.22: Instrumental—Studio Instrumental Octet, Operatic selection "Lucia di Lammermoor" (Donizetti).  
 8.32: Soprano—Miss Corrie Aslin, "Joy of Youth" (Talbot).  
 8.35: Novelty—Kinlof's Balalarka Orchestra, "Shining Moon" (Russian Folk Song) (H.M.V. EA48).  
 8.39: Soprano and tenor duet and quartet—"Live and Love" (Talbot and Finck).  
 8.43: Organ—Arthur Meale, "Valse Mysterieuse" (Meale).  
 8.47: Contralto—Miss Dulcie Mitchell, "Day by Day" (Talbot and Finck).  
 8.50: Recitation—Miss Mavis Kinsella, "The Italian and the Rose" (Montague).  
 8.55: Instrumental—Studio Instrumental Octet, "Florindo" (Burgmein).  
 8.58: Weather report and announcements.  
 9.0: Trios—De Groot Bor Calve, "Ave Maria" (Kalm) (H.M.V. B3035); "When Summer is Gone" (Harrison-Wilhite).  
 9.6: Baritone—Mr. J. Graham Young, (a) "I'll Sing Thee Songs of Araby" (Clay); (b) "Onaway Awake Beloved" (Cowen).  
 9.12: Band—Band of H.M. Coldstream Guards, "La Pille de Madame Angot" (Lecocq) (H.M.V. C1370).  
 9.20: Soprano—Miss Corrie Aslin, "Love is Meant to Make us Glad" (German).  
 9.23: Quartet—Salon Quartet—Old English Air "Love Me Little, Love Me Long" (Shaw).  
 9.26: Instrumental—Studio Instrumental Octet, "Rebel Maid" (Dances) (Phillips).  
 9.36: Contralto—Miss Dulcie Mitchell, "Down Here" (Brahe).  
 9.39: Novelty—Kiriloff's Balalarka Orchestra, "Song of the Volga Boatmen" (trdtl.) (H.M.V. EA48).  
 9.44: Recitation—Miss Mavis Kinsella, (a) "He Loves Me For My Brains" (Herbert); (b) "Smile" (Milton Hayes).  
 9.49: Tenor—Mr. H. Blakeley, (a) "Where'er You Walk" (from "Semele") (Handel); (b) "Afton Water" (Hume).  
 9.55: Instrumental—Studio Instrumental Octet, (a) "Bal De Noces" (Burglem); (b) "Hungarian Dance No. 5" (Brahms).  
 10.2: God Save the King.

### 4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, FEBRUARY 26.

- 3.0: Chimes. Selected gramophone items.  
 3.15: Home science talk—"Vegetable Dishes—East More Vegetables," by a speaker of the Home Science Extension Department, of the Otago University, under the auspices of 4YA Primary Productions Committee.

- 4.30: Close down.
- 5.0: Children's hour, conducted by Uncle George.
- 6.0: Dinner music—"Columbia" Hour.  
Orchestral—Finck's Orchestra, "Gaiety Echoes" (Caryl-Monekton).  
Orchestral—Sandler's Orchestra, "Las Lagarteranas" (Guerrero and Foulkes) (01634).  
Violin—Lipschultz, "La Golondrina" (Sorraddell).
- 6.13: Tacet.
- 6.15: Instrumental—Squire's Celeste Octet, "Everybody's Melodies" (arrgd. J. H. Squire) (02896).  
Organ—John Hassell, "By the Waters of Minnetonka" (Lieurance).  
Orchestral—Sandler's Orchestra, "Raphaellito" (Guerrero and Foulkes).
- 6.28: Tacet.
- 6.30: Orchestral—Regal Kinema Orchestra, "Broadway" Selection (Gottler).  
Violin—Lipschultz, "Estrellita" (Ludlow) (Regal G20489).  
Orchestral—Romani and Italian Orchestra, "Old Comrades March" (Teike) (Regal G20488).
- 6.43: Tacet.
- 6.45: Orchestral—Berlin State Orchestra, "Die Fledermaus" (Strauss).  
Orchestral—Nullo Romani's Orchestra, "Canto Al Inverno" (Regal).  
Orchestral—Russian Novelty Orchestra, "Tesoro Mio" (Becucci).
- 6.58: Tacet.
- 7.0: News session.
- 7.15: Talks to farmers—"Management of Sheep on Hill Country," Jas. Begg, Chairman of Board of Agriculture, under the auspices of 4YA Primary Productions Committee.
- 8.0: Chimes (Town Hall chimes).  
Selection—The Select Trio, (a) "Village Revels" (Luzzatti); (b) "Mantilla Dance" (Luzzatti); (c) "Mean to Me" (Ahlerl).
- 8.13: Scottish comedian—Mr. J. A. Paterson, (a) "Wedding of Jack McKay" (Downes); (b) "Saturday Night" (Lauder).
- 8.21: Instrumental—The Select Trio, (a) "Loin de Bal" (Gillett); (b) Entr'acte "Gavotte" (Thomas).
- 8.31: Recitals—Miss Nellie Warren, (a) "The Loom of Years" (Noyes); (b) "Mrs. Smith-Brown Buys a Book" (Mabel Constance duros).
- 8.39: Mezzo-soprano—Miss W. Collier, "A Heart that's Free" (Rohyn).
- 8.43: Instrumental—The Select Trio, foxtrot, (a) "Laughing Marionette" (Collins); (b) valse, "Sobre las Olas" (Rosas).
- 8.53: Songs at the piano—Miss Bertha Rawlinson, L.A.B., (a) "Friend o' Mine" (Sanderson); (b) "Carry Me Back to Old Virginny" (Bland).
- 9.0: Weather report.
- 9.2: Instrumental—The Select Trio, (a) "The Pagan Love Song" (Brown); (b) "The Toymaker's Dream" (Golden).
- 9.9: Scottish comedian—Mr. J. A. Paterson, "Sunshine o' a Bonnie Lassie's Smile" (Lauder).
- 9.13: Recital—Miss Nellie Warren, "H'antiques" (O'Connor).
- 9.17: Mezzo-soprano—Miss W. Collier, (a) "I Love the Moon" (Rubens); (b) "I Wonder if Love is a Dream" (Forster).
- 9.22: Instrumental—The Select Trio, (a) foxtrot, "Jericho" (Myers); (b) "Pas des Amphores" (Chaminade).
- 8.29: Songs at the piano—Miss Bertha Rawlinson, L.A.B., "Lilaco" (Cadman).
- 9.33: Dance session—"Columbia."  
Foxtrot—The Harmonians with vocal chorus, "I'm in Seventh Heaven" (de Sylva) (G20531).  
The Knickerbockers with vocal refrain, "Song of Siberia" (Lewis).  
The Harmonians, "Used to You" (de Sylva, Brown and Henderson).  
Ernie Golden and His Orchestra, "Satisfied" (Friend and Caesar).
- 9.42: Vocal—Eddie Walters with piano and guitar accompaniment, "Goodness Gracious, Grace" (Abbott, Casem and Wimbrow) (01680).  
Foxtrot—Stellar Dance Band, "Dancing Goblin—Novelty Foxtrot" (Collins) (G20523).  
Harry Reser's Syncopators with vocal chorus by Tom Stacks, "The Flippity Flop" (Coslow, Robin and Whiting) (01681).  
Stellar Dance Band, "Giggling Gollivog" (Tisley and Evans).  
Waltz—Ben Selvin and His Orchestra, "I've Waited a Lifetime for You" (Edwards and Goodwin) (01741).
- 9.57: Duet—Ford and Glenn, "Where the Sweet Forget-Me-Nots Remember."  
Foxtrot—Guy Lombardo and His Royal Canadians with vocal trio, "Then we Canoe-dle-oodle Along" (Woods, Tobin and Bohr).  
Ben Selvin and His Orchestra, "Junior" (Donaldson) (01691).  
The Midnight Revellers, "Tru Blue Lou" (Whiting, Coslow and Robin) (G20602).  
Ipana Troubadours, "There was Nothing Else to Do" (Kalmar, Ruby and Warren) (01703).  
Ipana Troubadours, "Just a Glimpse of Paradise" (Kalmar, Ruby and Warren) (01699).
- 10.15: Duet—Pearce Brothers (Al and Cal), "If I Give Up the Saxophone" (Fain, Kahal and Raskin) (01680).  
Foxtrot—Ben Selvin and His Orchestra, "Am I Blue?" (Akst and Clarke) (01741).  
The Midnight Revellers, "If I Had My Way" (Green and Wagner).
- 10.27: Foxtrot—Ted Fiorito and His Edgewater Beach Hotel Orchestra, "Candle Light Lane" (Lewis and Fiorito) (01755).  
Waltz—Frank Ferera's Hawaiian Trio, "Pagan Love Song" (Brown and Freed) (G20560).
- 10.30: Vocal—Marie Burke, "The Song I Love" (de Sylva, Brown, Henderson and Conrad) (01557).  
Foxtrot—Guy Lombardo and His Royal Canadians, "You Want Lovin'" (Spier, Coslow and Osterman) (01672).

- Foxtrot—Guy Lombardo and His Royal Canadians, "Here We Are" (Kahn and Warren) (01691).  
Ted Fiorito and His Edgewater Beach Hotel Orchestra, "You've Never Been Blue" (Lewis, Young and Fiorito) (01755).  
Ted Lewis and His Band, "My Love Song" (Yoell and Lewis).
- 10.45: Duet—The Two Gilberts, comedians, with Orchestra, "Smith's Crisp Crisps" (Weston, Lee and Weston) (G20578).  
Foxtrot—Ray Starita and His Ambassadors' Band, "Iz Izzy Azzy Wooz" (A. le Clerq) (01708).  
Harry Reser's Syncopators, "Piccolo Pete" (Baxter) (01756).  
Waltz—Frank Ferera's Hawaiian Trio with vocal chorus, "Ua Like a No a Like" (Everett) (G20560).
- 11.0: God Save the King.

## Thursday, February 27

### 1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, FEBRUARY 27.

- 3.0: Afternoon session—Selected studio items and literary selection by the Announcer.
- 4.30: Close down.
- 5.0: Children's session, conducted by "Peter Pan."
- 6.0: Dinner session—"Columbia" Hour:  
Instrumental—Ketelbey's Concert Orchestra, "In a Persian Market" (Ketelbey) (Columbia 02689).  
Violin—Efrem Zimbalist, "Liebeslied—Old Vienna Waltz" (Kreisler).
- 6.12: Tacet.
- 6.15: Morceau—Plaza Theatre Orchestra, "The Busy Bee" (Bendix) (01438).  
Dance—Plaza Theatre Orchestra, "My Lady Dainty" (Hesse).  
Octet—J. H. Squire's Celeste Octet, "La Serenata" (Braga) (9116).  
Kinema organ—G. T. Pattman, "Firefly" (Nicholls) (01348).
- 6.27: Tacet.
- 6.30: Orchestral—Paul Whiteman and his Orchestra, "Song of India" (Rimsky-Korsakov) (07510).  
Waltz—New Concert Orchestra, "Hydropaten" (Gungl) (02672).  
Violin—Efrem Zimbalist, "Zapateado" (Sarasate) (04221).
- 6.42: Tacet.
- 6.45: Waltz—New Concert Orchestra, "Jolly Fellows" (Bruder) (02672).  
Octet—J. H. Squire's Celeste Octet, "Serenade" (Titi) (9116).  
Orchestral—Paul Whiteman and his Orchestra, "Liebestraum" (Liszt, arr. Bargy) (07510).
- 6.56: Tacet.
- 7.0: News and market reports.
- 7.40: Talk—Mr. W. T. G. Airey, M.A. (under the auspices of the League of Nations Union), "Security and Disarmament."
- 8.0: Chimes. Presentation of the gorgeous pantomime "Dick Whittington" (Fred Rome) by the Radio Scamps and supporting artists.
- 9.30: Programme of Dance Music, "Brunswick":  
Foxtrot—Cotton-Pickers, "He's a Good Man to Have Round" (Yellen).  
Foxtrot—Ray Miller's Orchestra, "Someone's Falling in Love" (Little).  
Cotton-Pickers, "Shoo, Shoo, Boogie Boo" (Robin) (4447).  
Foxtrot—Ray Miller's Orchestra, "You Want Lovin'" (Spier) (4425).
- 9.42: Vocal duet—The Inspiration Boys, "On the Alamo" (Kahn) (4436).  
Foxtrot—Gerunovich's Roof Garden Orchestra, "There's Sugar-Cane Around My Door" (Leonard) (4430).  
Foxtrot—Mount Royal Orchestra, "Finding the Long Way Home" (Kahn) (4406).  
Waltz—Regent Club Orchestra, "Mistakes" (Leslie) (4473).  
Waltz—Carter's Orchestra, "Three O'Clock in the Morning" (Terris).
- 9.57: Organ and xylophone—Lew White, "You Were Meant for Me" (Freed).  
Foxtrot—Mount Royal Hotel Orchestra, "The Land of Sleepy Water" (Higman) (4406).  
Foxtrot—Biltmore Hotel Orchestra, "That's What I Call Sweet Music" (Meskill) (4413).  
Foxtrot—Red Nicholls' Five Pennies, "Alice Blue Gown" (Tierney).  
Foxtrot—Biltmore Hotel Orchestra, "Now I'm in Love" (Yellen) (4413).
- 10.12: Comedienne—June Pursell and Roy Fox, "I'm Walking Around in a Dream" (Lewis) (4412).  
Foxtrot—Arnold Johnson's Orchestra, "Don't Hang Your Dreams on a Rainbow" (Kahal) (4452).  
Foxtrot—Al Goodman's Orchestra, "Or What Have You?" (Henry).  
Foxtrot—Colonial Club Orchestra, "Song of the Moonbeams" (Tobias).  
Foxtrot—Al Goodman's Orchestra, "I've Made a Habit Out of You" (Dietz) (4383).  
Waltz—Regent Club Orchestra, "If Ye Never Should Meet Again" (Leslie) (4473).
- 10.30: Organ with Xylophone—Lew White, "Wedding of the Painted Doll" (Freed) (4416).  
Foxtrot—Oriole Orchestra, "An Old Italian Love Song" (Harrison).  
Foxtrot—Lyman's Californian Orchestra, "Ain't Misbehavin'" (Razaf).  
Foxtrot—Oriole Orchestra, "Why Did You?" (Lombardo) (4439).  
Foxtrot—Red Nicholls' Five Pennies, "A Pretty Girl is Like a Melody" (Berlin) (4456).
- 10.45: Vocal duet—The Inspiration Boys, "The Moonlight March" (Newman).  
Foxtrot—Hotel Astor Orchestra, "Every Moon's a Honeymoon" (Wimbrow) (4410).  
Foxtrot—Lyman's California Orchestra, "Bashful Baby" (Friend).

- Foxtrot—Hotel Astor Orchestra, "An Eye-full of You" (Gilbert) (4410)  
 Waltz—Carter's Orchestra, "That Naughty Waltz" (Stanley) (4438).  
 11.0 : God Save the King.

## 2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, FEBRUARY 27.

- 3.0 : Chimes. Selected Studio Items.  
 3.30 and 4.30: Sports results.  
 3.40: Lecturette—Miss Flora Cormack, "Fashions for the Sports Girl."  
 4.55: Close down.  
 5.0 : Children's session.  
 6.0 : Dinner Music Session, "H.M.V." Hour.  
 Selection—Kauffman's Orchestra, "The Gipsy Baron" (Strauss).  
 Waltz—La Vittoria Orchestra, "Wedding of the Winds" (Hall).  
 6.12: Tacet.  
 6.15: Orchestral—Piccadilly Orchestra, "If Only I Had You" (Davies).  
 Orchestral—Piccadilly Orchestra, "Lolita" (Ferrete).  
 Hawaiian—Kolomoku's Honoluluans, "Aloha Oe" (Liliuokalani).  
 Orchestral—Piccadilly Orchestra, "Charmaine" (Rapee) (B2528).  
 6.27: Tacet.  
 6.30: Selection—New Mayfair Orchestra, "This Year of Grace" (Coward).  
 Orchestral—Waring's Orchestra, "Ah! Sweet Mystery of Life" (Robledo) (Zonophone EF23).  
 6.42: Tacet.  
 6.45: Orchestral—Victor Concert Orchestra, "Minuet in G" (Paderewski).  
 Orchestral—Victor Concert Orchestra, "Amaryllis" (Thys) (EA240).  
 Orchestral—Piccadilly Orchestra, "Bird Songs at Eventide" (Contes).  
 Waltz—International Concert Orchestra, "Blue Danube" (Strauss).  
 6.57: Tacet.  
 7.0 : News session, market reports and sports results.  
 7.40: Lecturette—Hare Hongi, "Maori Pronunciation."  
 8.0 : Chimes.  
 Relay from Western Electric Theatre of the Metro-Goldwyn-Mayer production, "The Hollywood Revue."  
 God Save the King.

## 3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, FEBRUARY 27.

- 3.0 : Afternoon session—Gramophone recital.  
 4.30: Close down.  
 5.0 : Children's Hour—"Uncle Frank."  
 6.0 : Dinner session—"H.M.V." Hour:  
 Overture—Berlin State Opera Orchestra, "The Magic Flute" (Mozart).  
 Instrumental—Royal Opera Orchestra, "Hungarian Dance No. 5 in F Sharp Minor" (Brahms) (C1415).  
 Grand organ—Arthur Meale, "Simple Aveu" (Thome) (Zono. 5102).  
 6.13: Tacet.  
 6.15: Orchestral—New Light Symphony Orchestra, "Peer Gynt Suite" No. 2 (Grieg): (1) Ingrid's Lament, (2) Arabian Dance (C1571).  
 Violin—Erica Morini, "Romanza Andaluza" (Sarasate) (D1445).  
 6.27: Tacet.  
 6.30: Orchestral—New Light Symphony Orchestra, "Peer Gynt Suite" No. 2 (Grieg): (1) Return of Peer Gynt, (2) Solveig's Song (C1572).  
 Violin—Erica Morini, "Introduction and Tarantelle" (Sarasate).  
 6.42: Tacet.  
 6.45: Orchestral—Marek Weber's Orchestra, "Vienna by Night" (Komzak).  
 Cello—Lauri Kennedy, "Hungarian Rhapsody" (Popper) (C1595).  
 6.57: Tacet.  
 7.0 : News session.  
 7.30: Talk—Mr. R. McGilivray, Field Superintendent (Field Division), "The Soil: Its Physical Condition and Improvement" (arranged by 3YA Primary Productions Committee).  
 8.0 : Chimes. Classical and Miscellaneous Programme:  
 Overture—Berlin State Opera Orchestra, "Tannhauser" Overture (Wagner) (Parlophone A4036-7).  
 8.16: Soprano—Mrs. D. E. Pearce, (a) "Still as the Night" (Bohm), (b) "Life's Lullaby" (Lane).  
 8.21: Violin—Miss Irene Morris, "Air" (Goldmark).  
 8.25: Baritone—Mr. Robert Allison, "On with the Motley" (from "Pagliacci" Leoncavallo).  
 8.28: Piano—Miss A. Hartley Slack, "Etude in E" (Chopin).  
 8.32: Recitation—Mr. Robert R. Wills, "The Frontier Line" (Sir Arthur Conan Doyle).  
 8.37: Mezzo-soprano—Mrs. Sen Jowett, (a) "The Spring's Blue Eyes" (Rubinstein), (b) "Slumber Song" (Gretchaninoff).  
 8.42: Instrumental—Christchurch Broadcasting Trio, "Allegro Energico" from Trio in C Minor (Mendelssohn).  
 8.53: Tenor—Mr. Sidney Williamson, "Adelaide" (Beethoven).  
 8.57: Chorus—Opera Comique, Paris, "March from 'Carmen'" (Bizet).  
 9.0 : Weather report and announcements.  
 9.2 : Orchestral—Berlin State Opera Orchestra, "The Magic Flute" (Mozart).  
 9.10: Soprano—Mrs. D. E. Pearce, "The Last Rose of Summer" ("Martha" (traditional Irish air—Plotow).  
 9.15: Violin—Miss Irene Morris, (a) "Allegretto" (Boccherini-Kreisler), (b) "Rondino" (Beethoven-Kreisler).  
 9.22: Baritone—Mr. Robert Allison, (a) "I Attempt from Love's Sickness to Fly" (Old English), (b) "A Pastoral" (Maley).  
 9.28: Piano—Miss A. Hartley Slack, (a) "Shadow Dance" (Macdowell), (b) "Arabesque" (Debussy).  
 1.32: Humorous recitation—Mr. Robert R. Wills, "Excelsior" (1930 version) (Irish).

- 9.37: Mezzo-soprano—Mrs. Sen Jowett, "Star Vincino" (Salvatore Rosa).  
 9.40: Instrumental—Christchurch Broadcasting Trio, (a) "Valse Russe" (Bantock), (b) "Gavotte" (Gluck), (c) "Poiacca" (Thomas).  
 9.50: Tenor—Mr. Sidney Williamson, (a) "The Dustman" (Brahms), (b) "The Lass with the Delicate Air" (Dr. Arne).  
 9.56: Orchestral—Berlin State Opera Orchestra, "Die Rantzau" (Mascagni).  
 10.0 : God Save the King.

## 4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, FEBRUARY 27.

SILENT DAY.

## Friday, February 28

### 1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, FEBRUARY 28.

- 3.0 : Afternoon session—Selected studio items and literary selection by the Announcer.  
 4.30: Close down.  
 5.0 : Children's session, conducted by "Nod" and "Aunt Jean."  
 6.0 : Dinner session—"Columbia" Hour:  
 Suite—Ketelbey's Concert Orchestra, "In a Fairy Realm" (Ketelbey): (1) The Moonlit Glade, (2) The Queen Fairy Dances, (3) Gnomes March (Columbia 02694-5).  
 6.12: Tacet.  
 6.15: Orchestral—Columbia Symphony Orchestra, "March of the Bojaren" (Halvorsen) (Columbia 02622).  
 Cello—Gaspar Cassado, "Melodie Arabe" (Glazounov) (03579).  
 Orchestral—New Queen's Hall Light Orchestra, "Wood Nymphs" (Contes) (02591).  
 6.26: Tacet.  
 6.30: Orchestral—New Queen's Hall Light Orchestra, "Summer Days Suite" (Coates): (1) In a Country Lane, (2) On the Edge of the Lake, (3) At the Dance (Columbia 02590-1).  
 6.42: Tacet.  
 6.45: Orchestral—J. H. Squire's Celeste Octet, "Memories of Mendelssohn" (arr. Sear) (02838).  
 Orchestral—Columbia Symphony Orchestra, "Bridal Procession" (Grieg) (02622).  
 6.57: Tacet.  
 7.0 : News and market reports.  
 8.0 : Chimes. Overture—Bournemouth Municipal Orchestra, "Pique Dame" (Suppe) (Columbia 02730).  
 Presentation of a three-act play, "Lady Frederick," by Mrs. Zoe Bartley-Baxter and Company) (Somerset-Maughan).  
 8.9: Act 1.  
 Orchestral—Orchestre Symphonique de Paris, "Ballet Egyptien": (1) Allegro, (2) Allegretto (Luigini).  
 Act 2.  
 Orchestral—Orchestre Symphonique de Paris, "Ballet Egyptien": (3) Andante, (4) Finale (Luigini) (Columbia 02786).  
 Act 3.  
 Band—Royal Italian Band, "Marcia Reale" (Gabetti) (01182).  
 10.0 : God Save the King.

### 2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, FEBRUARY 28.

- 3.0 : Chimes. Selected gramophone items.  
 3.30 and 4.30: Sports results.  
 4.55: Close down.  
 5.0 : Children's session.  
 6.0 : Dinner music session—"H.M.V." Hour:  
 Royal Albert Hall Orchestra, "Carmen"—Prelude Act 1" (Bizet).  
 National Symphony Orchestra, "Sylvia Ballet—Cortège de Bacchus" (Delibes) (EB24).  
 Organ—Reginald Foort, "Schon Rosmarin" (Kreisler) (B2664).  
 6.12: Tacet.  
 6.15: Marek Weber's Orchestra, "La Tosca" Selection (Puccini) (C1413).  
 National Symphony Orchestra, "La Traviata" Prelude (Verdi) (EB24).  
 6.27: Tacet.  
 6.30: Selection—National Symphony Orchestra, "Bohemian Girl" (Balfe).  
 Royal Albert Hall Orchestra, "Carmen"—Prelude Act 2" (Bizet).  
 Organ—Reginald Foort, "A Brown Bird Singing" (Haydn-Wood).  
 6.42: Tacet.  
 6.45: National Symphony Orchestra, "Aida" (Verdi) (Zonophone A340).  
 Selection, H.M. Coldstream Guards, "H.M.S. Pinafore" (Sullivan).  
 6.57: Tacet.  
 7.0 : News session, market reports and sports results.  
 7.40: Lecturette—Mr. R. Howard Taylor, "Care of the Feet."  
 8.0 : Chimes. A programme featuring the Etude Quartet in vocal gems from "The Arcadians" (Monckton and Talbot).  
 8.1 : Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "The Arcadians" (Monckton and Talbot).  
 8.9 : Quartet—The Etude, "Arcadians Are We."  
 8.13: Baritone and chorus—Ray Kemp and Etude Quartet, "I Quite Forgot Arcadia."  
 8.17: Soprano—Miss Gretta Stark, "The Pipes of Pan."  
 8.21: Organ—John Hassel, "By the Waters of Minnetonka" (Lieurancel).



- 8.24: Sketch—Madame Eugenie and Partner, "The Family Umbrella," (adapted from Mrs. Cordell's Lectures).
- 8.31: Selection—2YA Orchestra, "Jewels of the Madonna" (Ferrari).
- 8.41: Tenor and chorus—Mr. Will Hancock and Etude Quartet, "Back Your Fancy."
- 8.44: Contralto and chorus—Mrs. Ray Kemp and Etude Quartet, "Bring Me a Rose."
- 8.47: Quartet—The Etude, "Shower Chorus."
- 8.50: Selection—2YA Orchestra, "Master Melodies from Famous Light Operas," Part 2 (arr. Roberts).
- 9.0: Weather report and announcements.
- 9.2: Duet—Mr. and Mrs. Ray Kemp, "Half-past Two."
- 9.6: Tenor—Mr. Will Hancock, "The Only Girl Alive."
- 9.10: Selection—2YA Orchestra, "Primrose" (Gershwin).
- 9.19: Duet—Miss Gretta Stark and Mr. Will Hancock, "Charming Weather."
- 9.23: Concerted—Columbia Light Opera Company, "The New Moon Vocal Gems," Part 1 (Romberg) (Columbia 05019).
- 9.27: Contralto, Baritone, and Chorus—Mr. and Mrs. Ray Kemp and Etude Quartet, "Oh, Do the Two-Step."
- 9.31: Selection—Band of Garde Republicaine, "The Two Pigeons": (a) Entrance of Tziganes, (b) "Scene March of the Two Pigeons" (Messager) (Columbia 02924).
- 9.39: Sketch—Madame Eugenie Dennis and Partner, "The Freckle-faced Girl" (Anon.).
- 9.46: Cello—W. H. Squire, "Sarabande" (Suizer) (Columbia 04283).
- 9.50: Soprano and chorus—Miss Gretta Stark and Etude Quartet, "Arcady is Ever Young."
- 9.54: Concert waltz—2YA Orchestra, "Charme d'Amour" (Cremieux).
- 10.2: Close down.

### 3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, FEBRUARY 28.

- 3.0: Afternoon session. Gramophone recital.
- 4.25: Sports results.
- 5.0: Children's Hour, conducted by "Storyman."
- 6.0: Dinner session, "Parlophone" Hour.
- Overture—Grand Symphony Orchestra, "Morgenblätter" (Strauss).
- 6.12: Tacet.
- 6.15: Instrumental—Orchestra of the Opera Comique, Paris, "Scenes Pittoresques" (Massenet) (A4047).
- Waltz—Edith Lorand Orchestra, "Vienna Waltz" (Ddrla) (E10531).
- 6.27: Tacet.
- 6.30: Waltz—Dajos Bela Orchestra, "Marien Klänge" (Strauss) (A4038).
- Instrumental—Dajos Bela Orchestra, "Ideale" (Tosti) (A4015).
- Waltz—Edith Lorand Orchestra, "Merry Vienna" (Zischer) (E10531).
- 6.42: Tacet.
- 6.45: Waltz—Edith Lorand Orchestra, "Songs of Autumn" (Waldteufel).
- March—Queenie and David Kaili, "Hawaiian March" (Ellis).
- Valse Intermezzo—Edith Lorand Orchestra, "The Flowers' Dream" (Translateur) (E10570).
- Selection—H.M. Irish Guards, "The Desert Song" (Romberg).
- 6.57: Tacet.
- 7.0: News session.
- 8.0: Chimes.
- Popular and Dance Programme.
- 8.1: Overture—Debroy Somers' Band, "The Singing Fool" (arrgd. Connelly).
- 8.9: Soprano—Miss Mary O'Connor, (a) "Happy Song" (Del Riego); (b) "The Beat of a Passionate Heart" (Phillips).
- 8.15: Dance Music—Bailey-Marston Dance Orchestra, (a) "Satisfied" (Caesar); (b) "While I'm in Love" (Whiting).
- 8.23: Tenor—Mr. Douglas Suckling, (a) "Midst the Petals in Your Tresses"; (b) "God Keep My Thoughts" (Pagoda of Flowers) (Woodford-Finden).
- 8.27: Organ—Albert Wayne, "Mean to Me" (Turk and Ahlert).
- 8.30: Humour—Mr. George Titchener, "Modern Languages" (Edwards).
- 8.35: Dance Music—Bailey-Marston Dance Orchestra, (a) "Am I Blue?" (Akst); (b) "In the Land of Make Believe" (Gilbert).
- 8.43: Mezzo-soprano—Miss Nellie M. Bilcliff, (a) "Mifanwy" (Dorothy Forster); (b) "Sing Merrily To-day" (Phillips).
- 8.49: Saxophone—Rudy Wiedoeft, "Waltz Mazanetta" (Wiedoeft).
- 8.52: Baritone—Mr. Leslie Fleming, "Dreams of Long Ago" (Caruso).
- 8.56: Dance Music—Bailey-Marston Dance Orchestra, (a) "Marika" (Peters); (b) "You're the Cream in My Coffee" (De Sylva).
- 9.4: Weather report and announcement.
- 9.6: Band—H.M. Grenadier Guards, "Naval March" (Trdtl.).
- 9.10: Soprano—Miss Mary O'Connor, (a) "The Only One for Me" (Old Irish); (b) "Rose of Tralee" (Glover).
- 9.14: Dance Music—Bailey-Marston Dance Orchestra, (a) "Gipsy Dream Rose" (Kendis-Gusman); (b) "My Sin is Loving You" (De Sylva).
- 9.22: Tenor—Mr. Douglas Suckling, (a) "Youth" (Allitsen); (b) "Life is a Caravan" (Del Riego).
- 9.28: Organ—Albert Wayne, "Kiss Me Again" (Blossom and Herbert).
- 9.32: Song in Yorkshire Dialect—Mr. George Titchener, "I Think I'll Be a Going Home Now" (M.S.).
- 9.37: Dance Music—Bailey-Marston Dance Orchestra, (a) "Song of the Nile" (Meyer); (b) "My Dream Memory" (Levant).
- 9.45: Mezzo-soprano—Miss Nellie M. Bilcliff, (a) "The Green Lady" (Taylor); (b) "May Day Morn" (Slater).
- 9.49: Saxophone—Rudy Wiedoeft, "Minuet" (Beethoven).
- 9.52: Baritone—Mr. Leslie Fleming, (a) "I Dream of a Garden of Sunshine" (Lohr); (b) "Glorious Devon" (German).
- 9.58: Dance Music—Bailey-Marston Dance Orchestra, (a) "Roses in June" (O'Hagan); (b) "Loveable and Sweet" (Levant).

The Bailey-Marston Dance Orchestra, will continue to dispense dance music until 11 p.m., with the following numbers: "Stepping Along" (Kernell); "Ten Little Miles From Town" (Kahn); "Ol' Man River" (Kern); "Can't Help Lovin' That Man" (Kern); "I Want to Meander in the Meadow" (Tobias).  
God Save the King.

### 4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, FEBRUARY 28.

- 3.0: Chimes. Selected gramophone items.
- 3.15: Fashion Talk by Miss Buccleugh of D.S.A.
- 4.25: Sporting results.
- 4.30: Close down.
- 5.0: Children's Hour, conducted by Aunt Sheila.
- 6.0: Dinner Session, "H.M.V." Hour.
- Suite—London Symphony Orchestra, "Czar Sultan" (Rimsky-Korsakov) (D1491).
- Waltz—International Concert Orchestra, "Waltz Dream" (Strauss).
- 6.12: Tacet.
- 6.15: Suite—New Light Symphony Orchestra, "Peer Gynt Suite" (Grieg): 1. Ingrid's Lament. 2. Arabian Dance. (D1571).
- New Light Symphony Orchestra, "Prelude in G Minor" (Rachmaninoff) (Zonophone EF24).
- 6.27: Tacet.
- 6.30: Suite—Peer Gynt Suite (Grieg) 1. Return of Peer Gynt; 2. Solveig's Song" (D1572).
- New Light Symphony Orchestra, "Prelude in C Sharp Minor" (Rachmaninoff) (Zonophone EF24).
- 6.42: Tacet.
- 6.45: Philadelphia Symphony Orchestra, "Danse Orientale" (Glazounov).
- Waltz—International Concert Orchestra, "Sari" (Kalman).
- March—Philadelphia Symphony Orchestra, "March of the Caucasian Chief" (Ippolitoff-Iwanoff) (E521).
- 6.57: Tacet.
- 7.0: News session.
- 8.0: Town Hall Chimes.
- Overture—Berlin State Opera Orchestra, "Capriccio Italien" (Tschai-kowsky) (H.M.V. D1359).
- 8.9: Soprano—Miss Olga E. Wynne, "Awake Beloved" (C. Edwards).
- 8.13: Trio—Miss Ethel Wallace, Marjorie Smith and Sybil Baker, (a) "Husarenrit" (Spindler); (b) "Serenade" (Widor).
- 8.24: Recital—Miss M. Juriss, "The First Surveyor" (Paterson).
- 8.29: Piano—Paderewski, "Valse Caprice" (Rubinstein).
- 8.33: Baritone—Mr. Arthur Lungley, (a) "Myself When Young" (L. Lehmann); (b) "Strange, Is It Not?" (Ashleigh).
- 8.40: Violin—Miss Ethel Wallace, "Meditation From Thais" (Massenet).
- 8.46: Male Quartet—The Revellers, "Evenin'" (Moret) (H.M.V. B2972).
- 8.50: Trio—Miss Wallace, Miss Smith and Miss Baker, (a) "Pastel-Menuet" (Paradis); (b) "Finale of Trio in G Major" (Haydn).
- 8.58: Tenor—Mr. G. Crawford, "I Hear You Calling Me" (Marshall).
- 9.2: Weather report.
- 9.4: Orchestra—Philadelphia Symphony Orchestra, (Carmen) "Soldiers Changing Guard" (Bizet) (H.M.V. D1618).
- 9.8: Soprano, with violin obligato—Miss Olga Wynne, (a) "By the Waters of Minnetonka" (Lieurance); (b) "La Serenata" (Tosti).
- 9.15: Trio—Misses Wallace, Smith and Baker, (a) "Pas Des Amphores" (Chaminade); (b) "Extase" (Ganne).
- 9.24: Recitals—Miss M. Juriss, (a) monologue, "The Clown" (McGeoch); (b) "Pat and the Mayor" (Anon.).
- 9.30: Baritone—Mr. Arthur Lungley, "The Spirit Flower" (Campbell-Tipton).
- 9.34: Violoncello—Miss Marjorie Smith, (a) "Softly Awakes My Heart" (Saint-Saens); (b) "Barcarolle" (Offenbach).
- 9.40: Male Quartet—The Revellers, "Comin' Home" (Deppen).
- 9.44: Trio—Misses Wallace, Smith and Baker, "Slavonic Dance No. 8" (Dvorak).
- 9.49: Tenor—Mr. G. Crawford, (a) "Cabbage Roses" (Daisy McGeoch); (b) "At the Mid-Hour of Night" (Cowan).
- 9.56: Orchestra—Philadelphia Symphony Orchestra, "Carmen" March of the Smugglers (Bizet) (H.M.V. D1618).
- 10.0: God Save the King.

## Saturday, March 1

### 1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, MARCH 1.

- 3.0: Afternoon session—Selected Studio Items, and Literary selection by the Announcer.
- 4.30: Close down.
- 5.0: Children's Session, conducted by Cinderella.
- 6.0: Dinner Session, "H.M.V." Hour.
- Orchestral—Piccadilly Orchestra, (a) "My Beloved Gondolier" (Tibor); (b) "Souvenir De Capri" (Bece) (H.M.V. B2575).
- Instrumental—New Light Symphony Orchestra, "Just a Memory" (De Sylva) (EB18).
- Violin and kinema organ—Elsie Southgate, "I Hear You Calling Me" (Marshall) (Zonophone 5109).
- 6.12: Tacet.
- 6.15: Waltzes—Marek Weber's Orchestra, "Pot Pourri of Waltzes" (Robrecht) (H.M.V. C1544).
- Waltz—Hilo Hawaiian Orchestra, "Sweet Hawaiian Dream Girl" (Williams) (Zonophone EE156).

6.26: Tacet.

6.30: Instrumental—New Light Symphony Orchestra, "Scene de Ballet Marionettes" (Glazounov) (B2754).  
Violin and Kinema Organ—Elsie Southgate, "Rose in the Bud" (Tate).  
Instrumental—New Light Symphony Orchestra, "Persiflage" (Francis).  
Instrumental—Jack Hylton's Orchestra, "When the White Elder Tree Blooms Again" (Doelle) (H.M.V. C1616).

6.44: Tacet.

6.45: Instrumental—Salon Orchestra, "My Blue Heaven" (Whiting).  
Waltz—Hilo Hawaiian Orchestra, "Sleepy Honolulu Town" (Earl).  
Instrumental—Jack Hylton's Orchestra, "I Kiss Your Hand, Madame" (Erwin) (C1616).

6.56: Tacet.

7.0: News and market reports, sports results.

8.0: Chimes.

Orchestral—1YA Orchestral Octet, conducted by Eric Waters, "Night in Granada" (Kreutzer).

8.10: Tenor—Mr. George Barnes, (a) "Like Stars Above" (Squire); (b) "The Little Green Balcony" (Coates).

8.17: Hawaiian Instrumental—Ingall's Hawaiians, (a) "I'll Always be in Love With You" (Steph); (b) "Lay My Head Beneath a Rose" (Falkenstein).

8.25: Orchestral—1YA Orchestral Octet, two songs, (a) "The Soldier's Wife" (Rachmaninoff); (b) "In the Silence of the Night" (Rachmaninoff).

8.34: Soprano—Miss Kitty Williamson, "Wait" (D'Hardelot).

8.38: Organ—Jesse Crawford, (a) "I'll Always be in Love With You" (Ruby Green-Steph); (b) "I Get the Blues When it Rains" (Klauber-Stoddard).

8.44: Humour—Mr. Allan McElwain, "Humour."

8.48: Orchestral—1YA Orchestral Octet, "Le Due Gemelle Ballet" (Ponchielli).

8.57: Evening Weather Forecast and Announcements.

8.59: Hawaii Instrumental—Ingall's Hawaiians, (a) "Maori Melodies" (arrgd. Ingall); (b) "Static March" (arrgd. Ingall).

9.7: Soprano—Miss Kitty Williamson, (a) "Down in the Forest" (Donald), (b) "One Little Hour" (Sharpe).

9.14: Trio—Members of the 1YA Orchestral Octet, Trio for Two Saxophones and Trumpet—"The Shepherd's Dream" (Taylor).

9.23: Tenor—Mr. George Barnes, "Somewhere a Voice is Calling" (Tate).

9.27: Accordion—P. Frosini, (a) "Vision of Love" (Curtis); (b) "Beautiful Heaven" (Mexican Folk Song) (Bourdon) (Zonophone EE176).

9.33: Humorous—Mr. A. McElwain, "More Humour."

9.40: Hawaiian Instrumental—Ingall's Hawaiians, (a) "Dreamy Hawaii" (Corbett); (b) "A Perfect Day" (Jacobs, Bond).

9.48: Orchestral—1YA Orchestral Octet, (a) "The Love Song" (Winston); (b) "Orpheus" (Offenbach-Briegleb).

9.56: Chorus—Light Opera Company, "Songs of the Past Pt. 1."

10.0: Programme of Dance Music, "H.M.V."

Foxtrot—Waring's Pennsylvanians, "Won't You Tell Me, Hon" (Lewis).

Foxtrot—Rio Grande Band, "Dites Moi Ma Mere" (Yvain) (B5701).  
Jack Hylton's and His Orchestra, "Mucking About the Garden" (Cumber) (B5696).

Rio Grande Band, "Valentine" (Christine) (B5701).

10.12: Vocal—Maurice Elwin, "I've Never Seen a Smile Like Yours" (Johnson) (Zonophone EE172).

Foxtrot—Irving Aaronson and His Commanders, "Outside" (Flynn).

Foxtrot—George Olsen and His Music, "I'm in Seventh Heaven" (de Sylva) (EA588).

Foxtrot—Rudy Vallee and His Connecticut Yankees, "Me Queres?" (Vallee) (EA588).

Waltz—The Troubadours, "One Kiss" (Romberg) (EA632).

Waltz—Nat Shilkret and His Orchestra, "Let Me Have My Dreams" (Clarke, Akst) (EA627).

10.30: Humorous Duet—Dora Maughan and Walter Fehl, "A Woman Who Knows" (Ruskin) (B3011).

Foxtrot—George Olsen and His Music, "Little Pal" (De Sylva).

Foxtrot—Jack Hylton and His Orchestra, "Everybody Loves You" (Dublin, Little) (B5651).

Foxtrot—Nat Shilkret and His Orchestra, "Softly, as in a Morning Sunrise" (Romberg) (EA632).

Foxtrot—Nat Shilkret and His Orchestra, "Am I Blue?" (Clarke, Akst) (EA627).

10.45: Vocal—Paul Oliver, "Evangeline" (Rose, Jolson).

Foxtrot—Jack Hylton and His Orchestra, "Don't Hold Everything" (De Sylva) (B5651).

Foxtrot—Rudy Vallee and His Connecticut Yankees, "Perhaps" (Razaf) (EA629).

Foxtrot—Rudy Vallee and His Connecticut Yankees, "On the Alamo" (Kahn) (EA620).

Waltz—Jack Hylton and His Orchestra, "Let Me Dream in Your Arms Again" (Nicholls) (B5696).

11.0: God Save the King.

## 2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, MARCH 1.

3.0: Chimes. Selected Studio items.

3.30 and 4.30: Sports results.

4.55: Close down.

5.0: Children's Session.

6.0: Dinner Music Session. "Parlophone" Hour.

Selection—Edith Lorand Orchestra, "The Vagabond King" (Friml).  
Waltz—Dajos Bela Orchestra, "The Swallows" (Strauss).

6.12: Tacet.

6.15: Selection—Frank Westfield's Orchestra, "Chu Chin Chow" (Norton).  
Orchestral—Dajos Bela Orchestra, "O Sole Mio" (arrgd. Lindeman).  
Wurlitzer organ—Leslie Harvey, "Absent" (Metcalf) (A2728).

6.29: Tacet.

6.30: Waltzes—Dajos Bela Orchestra, (a) "Oh Spring How Fair Thou Art" (Lincke); (b) "Songs D'Amour Apres Le Bal" (Czibulka); (c) Humoresque (Dvorak) (E10559).

6.42: Tacet.

6.45: Dance Orchestra—Dorsey Bros. Orchestra, "Was it a Dream" (Coslow).

Wurlitzer Organ—Leslie Harvey, "Until" (Sanderson) (A2728).

Waltz—Dajos Bela Orchestra, "Faust" (Gounod) (A4010).

6.55: Tacet.

7.0: News session, market reports and sports results.

7.40: Lecturette—Mr. W. M. Jackson, "Gladioli and Gardening Subjects."

8.0: Chimes.

Special "St. David's Day programme by the Wellington Welsh Society, relayed from Messrs. Gamble and Creed's reception room.

Roll call.

8.15: Toast—Mr. J. Tucker, "Kindred Societies."

8.30: Toast—Rev. D. Jones, "Our Adopted Land."

From the Studio, overture 2YA Salon Orchestra, (Conductor Mr. Mat Dixon) "The Leek" (Myddleton).

Choral—Rhondra Welsh Glee Singers, (a) "March of the Men of Harlech"; (b) "Hen Ylad by Nhadan" (H.M.V. B2045).

Instrumental—2YA Salon Orchestra, "Welsh Melodies" from "National and Patriotic Airs" (arrgd. Fitzgerald).

Contralto—Leila Megane, (a) "Cymru Ann Wyl" (trdtl.); (b) "Pistyll Y Llan" (trdtl.) (H.M.V. E403).

Instrumental—2YA Salon Orchestra, "Home of the Prince of Wales" (Hiscocks).

Choral—Rhondra Welsh Glee Singers, "Y Delyn Aur" (trdtl.).

Contralto—Leila Megane "All Though the Night" (trdtl.).

March—2YA Salon Orchestra, "Great Big David" (Lotter).

9.0: President's Address—President Mr. John Tucker.

9.7: Pianoforte—Miss Betty Evans, "Procession" (Howell).

9.12: Dance—Miss Valeska Jenkins.

9.17: Soprano—Mrs. McLeod, "Now's the Time to Love" (Gounod).

9.22: Tenor—Mr. J. Jenkins, "Friend" (Novello-Davies).

9.27: Violin—Miss Valma Evans, "Midnight Bells" (Kreisler).

9.32: Duet—Messrs. J. Jenkins and Wilbur Davies, "Watchman, What of the Night" (Sergeant).

9.37: Mezzo-soprano—Mrs. Wilman, "Yr Amser Gynt" (Evans).

9.42: Male Chorus—Welsh Male Voice Party, "Huddersfield" (trdtl.).

9.47: Humour—Mr. Barton Ginger, "Humorous Anecdotes" (Welsh and otherwise, original).

9.52: Bass—Mr. Wilbur Davies, "Spanish Gold" (Fisher).

9.58: Welsh songs—Mr. J. Tucker, (a) "Serch Hudol" (Richards); (b) "Gruffydd ap Cynan" (Richards).

10.7: Male Chorus—Welsh Male Voice Party "Soldier's Farewell" (Kinkel).

10.12: Choral—Welsh Choir, "Medley of Welsh Folk Songs" (trdtl.).

10.15: Dance programme, from studio) (Columbia).

Foxtrot—Ray Starita and His Ambassadors, "That's What I Call Heaven" (Wimbrow) (01761).

Foxtrot—Ipana Troubadours, "Steppin' Along" (Kernell).

Foxtrot—Ipana Troubadours, "There's Too Many Eyes That Wanna Make Eyes at Two Pretty Eyes I Love" (Davis) (01761).

Waltz—Stellar Dance Band, "Sleepy Valley" (Hanley).

Waltz—Hal Swain and His Band, "Let Me Have My Dreams" (Clarke, Akst) (Regal G20616).

10.30: Vocal—Pete Woolery, "Beautiful" (Stern) (Regal G20622).

Foxtrot—Stellar Dance Band, "Lonesome Little Doll" (Cowan).

Paul Whiteman and His Orchestra, "At Twilight" (Tracy).

Foxtrot—Jack Payne and the B.B.C. Dance Orchestra, "Wake Up and Dream" (Cole Porter) (01762).

Foxtrot—Ipana Troubadours, "Too Wonderful For Words" (Stamper).

10.45: Vocal—Buddy Morgan and His Veterans, "Sergeant Flag and Sergeant Quirt" (Klein) (01782).

Foxtrot—Jack Payne and the B.B.C. Dance Orchestra, "Wake Up and Dream—Looking at You" (Cole Porter).

Foxtrot—Paul Whiteman and His Orchestra, "When You're Counting the Stars Alone" (Rose) (07029).

Paul Whiteman and His Orchestra, "Let's Do It" (Porter).

Waltz—Paul Whiteman and His Orchestra, "Love Me" (Morse).

11.0: Sporting summary.

11.10: God Save the King.

## 3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, MARCH 1.

### St. David's Day.

3.0: Afternoon session. Gramophone recital.

4.25: Sports results.

4.30: Close down.

5.0: Children's hour, "Chuckie."

6.0: Dinner session—"Columbia" Hour.

March—H.M. Grenadier Guards, "Martial Moments" (arrgd. Winter).  
Waltz—Eddie Thomas' Collegians, "Missouri Waltz" (Logan) (02553).

6.12: Tacet.

6.15: Violin and wurlitzer organ—Marrnello, "Evening in the Desert" (Hermit) (Regal G20420).

Hawaiian—South Sea Islanders, "Dreamy Hilo Bay" (Heagney).

- March—Columbia Symphony Orchestra, "March of the Toys" (Herbert) (02651).  
Piano—Percy Grainger, "Molly on the Shore" (Grainger) (Col. 02575).  
6.26: Tacet.  
6.30: Waltz—Eddie Thomas' Collegians, "Till We Meet Again" (Whiting).  
Waltz—Eddie Thomas' Collegians, "Beautiful Ohio" (Earl) (02651).  
Piccolo duet—Jean and Pierre Gennin, "Rippling Streams" (Gennin).  
6.41: Tacet.  
6.45: Violin and organ—Marrnello, "Once" (Saunders) (Regal G20420).  
Xylophone—W. W. Bennett, "Gee Whiz" (Byron) (02575).  
Hawaiian—South Sea Islanders, "Lei Lani" (Heagney) (01162).  
Instrumental—Denza Dance Band, "In the Shadows" (Finck) (Regal).  
6.58: Tacet.  
7.0: News session.  
7.30: Sports results.  
8.0: Chimes.  
Vaudeville—Welsh and Dance Programme.  
8.1: Overture—Studio Instrumental Octet (Conductor, Mr. Harold Beck) "The Leek" (arrgd. Myddleton).  
8.8: Happy songs with piano and ukulele, The Joyous Pair, (a) "If I Had a Talking Picture of You" (de Sylva and Henderson); (b) "Sunny Side Up" (de Sylva and Henderson).  
8.14: Organ, piano, trombone and harp—Shilkret's Rhythm Melodists, (a) "When You're with Somebody Else" (Gilbert, Eitting, Baer).  
8.17: Baritone—Mr. C. L. Richards, "The Sea Makes a Man a Man" (Blackman).  
8.21: Waltz—Studio Instrumental Octet, "Vienna Life Valse" (Strauss).  
8.31: Contralto—Miss Alice Vinsen, "The Glory of the Sea" (Sanderson).  
8.34: Orchestral—Shilkret's Rhythm Melodists, "Dolly Dimples" (Alter).  
8.37: Humorous song and patter—Mr. Frank L. Moran, "Colonel Coldfeet" (Carney).  
8.44: Selection—Studio Instrumental Octet, "Selection of Welsh Melodies" (arrgd. Myddleton).  
9.1: Weather report and announcements.  
9.3: Organ—F. Roland Tims, "Shepherds Lullaby" (Hewitt) (H.M.V.).  
9.7: Happy songs with piano and ukulele—The Joyous Pair, (a) "Painting the Clouds with Sunshine" (Burke); (b) "Tiptoe Through the Tulips with Me" (Burke).  
9.13: Hawaiian—Hilo Hawaiian Orchestra, (a) "Kawaihau Waltz" (Kealaki); (b) "My Hula Love March Medley" (H.M.V. B2799).  
9.19: Baritone—Mr. C. L. Richards, (a) "Red Devon by the Sea" (Clarke); (b) "Nelson's Gone a Sailing" (Lohr).  
9.25: Chorus—Light Opera Company, Gems from "Whoopie" (Kahn-Donaldson) (H.M.V. EB41).  
9.29: Selection—Studio Instrumental Octet, "My Lady Frayle" (Fincke).  
9.37: Contralto—Miss Alice Vinsen, (a) "A Song of Joy" (Del Riego); (b) "Waiata Maori" (Alfred Hill).  
9.42: Harp—Mr. Harry Glaysher, Welsh Bugello'r Gwenith Gwyn" (Thomas).  
9.45: Humorous song and patter—Mr. Frank L. Moran, "The Parson" (Weston and Lee).  
9.52: Chorus—Light Opera Company, Gems from "Hold Everything" (de Sylva, Brown and Henderson) (H.M.V. EB41).  
9.56: Instrumental—Instrumental Studio Octet, (a) "Slave Dance" (Alf Pratt); (b) "Spanish Serenade" (Friml).  
10.2: Programme of dance music—"Columbia" Hour.  
Foxtrot—Paul Whiteman and His Orchestra, "Lover, Come Back to Me" (Romberg and Hammerstein) (07030).  
Foxtrot—Garber's Orchestra, "Outside" (Flynn) (01647).  
Foxtrot—Paul Whiteman and His Orchestra, "Marianne" (Romberg and Hammerstein) (07030).  
Foxtrot—Selvin's Orchestra, "In My Bouquet of Memories" (Akst-Lewis-Young) (01137).  
Foxtrot—Swain's Band, "Sleep, Baby, Sleep" (Tucker and Schuster).  
10.15: Duet—Layton and Johnstone, "Wake Up and Dream" (Porter).  
Foxtrot—Paul Specht and Orchestra, Vocal Trio, "Hittin' the Ceiling" (Gottler, Mitchell and Conrad) (01629).  
Foxtrot—Ipana Troubadours, "I'll Get By" (as long as I have you) (Turk-Ahlert) (01647).  
Paul Specht and Orchestra, "Sing a Little Love Song" (Gottler, Mitchell and Conrad) (01629).  
Waltz—The Cavaliers, "Sleepy Valley" (Hanley-Sterling) (01688).  
10.30: Vocal—Gladys Moncrieff "Love is a Dreamer" (Green-Sept) (01780).  
Foxtrot—Bernie's Orchestra, "I Want to Meander in the Meadow." Midnight Revellers, "The Moonlight March" (Newman-Lombardo).  
Bernie's Orchestra, "Where the Bab-bab-babbling Brook" (Nelson-Pease-O'Flynn) (01692).  
10.45: Foxtrot—Rhythmic Troubadours and Vocal Refrain, "Revolutionary Rhythm" (Davis-Coots-Spicer) (G20600).  
Duet—Layton and Johnstone, "Wake Up and Dream" (Looking at You) (Porter) (01763).  
Foxtrot—Midnight Revellers, "Sweetheart's Holiday" (Robinson-Kohgl) (G20522).  
Foxtrot—Rhythmic Troubadours and Vocal Refrain, "When the Real Thing Comes Your Way" (Spicer and Coslow) (G20600).  
Waltz—The Cavaliers, "Recollections" (Rapee-Pollack) (01688).  
Waltz—Selvin's Orchestra, "Ramona" (Akst-Lewis-Young) (01137).  
11.0: God Save the King.  
4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, MARCH 1.  
2.0: Chimes. Selected gramophone items.  
4.25: Sporting results.  
4.30: Close down.  
5.0: Children's Hour, conducted by Big Brother Bill.  
6.0: Dinner music—"Parlophone" Hour:  
Fantasia—Edith Lorand Orchestra, "Johann Strauss Fantasia" (Strauss) (Parlophone A4044).  
Piano and orchestra—Raie da Costa and Orchestra, "When Day is Done" (De Sylva) (Parlophone A4041).  
6.12: Tacet.  
6.15: Hawaiian—David Kaili, "Honolulu March" (A2464).  
Kinema organ—Leslie Harvey, "Where the Shy Little Violets Grow" (Warren) (A2695).  
Waltz—Dajos Bela Orchestra, "The Grenadiers" (Waldteufel) (A4081).  
Saxophone—Arnold Brillhart, "Fascination" (Bernie) (A2676).  
6.28: Tacet.  
6.30: Waltz—Dajos Bela Orchestra, "Polish Life" (Nedbal) (A4008).  
Piano and orchestra—Raie da Costa and Orchestra, "Sweetheart, I'm Dreaming of You" (Carter) (A4041).  
Instrumental—Dajos Bela Orchestra, "Dancing Demoiselle" (Fall).  
6.42: Tacet.  
6.45: Selection—Edith Lorand Orchestra, "Dollar Princess" (Fall) (A4081).  
Waltz—Dajos Bela Orchestra, "Casino Tanze" (Gungl) (A4081).  
6.57: Tacet.  
7.0: News session.  
8.0: Relay of Vaudeville Programme from 3YA, Christchurch.  
10.0: Dance Programme, "Brunswick":  
Foxtrot—Six Jumping Jacks, "The Whoopie Hat Brigade" (Siegel).  
Foxtrot—Cotton-Pickers, "No Parking" (Chase) (4440).  
Foxtrot—Six Jumping Jacks, "Piccolo Pete" (Baxter) (4457).  
Waltz—Bob Haring's Orchestra, "I Love You" (Fisher) (4458).  
10.12: Vocal—Al Jolson, "Liza" (Kahn) (4402).  
Foxtrot—Cotton-Pickers, "St. Louis Gal" (Robinson) (4440).  
Foxtrot—Cotton-Pickers, "Moanin' Low" (Dietz) (4446).  
Foxtrot—Lyman's California Orchestra, "Suzanna" (Ward) (4423).  
Foxtrot—Al Goodman's Orchestra, "After Thinking It Over" (Davis).  
Foxtrot—Bob Haring's Orchestra, "Song of Siberia" (Lewis) (4493).  
10.30: Organ and vibraphone—Lew White, "Honey" (Simons) (4386).  
Foxtrot—Lyman's California Orchestra, "Junior" (Donaldson) (4423).  
Foxtrot—Bob Haring's Orchestra, "The Moonlight March" (Newman).  
Foxtrot—Bob Haring's Orchestra, "At Close of Day" (Klages) (4458).  
Waltz—Colonial Club Orchestra, "My Song of the Nile" (Bryan) (4486).  
10.45: Vocal duet—The Dixie Stars, "Sweet Mandy" (4459).  
Foxtrot—Carl Fenton's Orchestra, "The World's Greatest Sweetheart" (Razaf) (4467).  
Foxtrot—Colonial Club Orchestra, "If You Believed in Me" (Gilbert).  
Foxtrot—Carl Fenton's Orchestra, "Smiling Irish Eyes" (Ruby) (4467).  
Foxtrot—Carl Fenton's Orchestra, "Love is a Dreamer" (Green) (4466).  
11.0: God Save the King.  

## Sunday, March 2

### 1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, MARCH 2.

3.0: Afternoon session—Selected studio items and literary selection by the Announcer.  
4.30: Close down.  
6.0: Children's Song Service conducted by "Uncle Leo."  
6.55: Relay of Divine Service from St. Matthew's Church (Preacher, Canon Grant Cowan; Organist, Mr. J. H. Philpott).  
8.30 (approx.): Studio concert.  
March—Budapest Philharmonic Orchestra, "Rakoczy March" (Berlioz).  
Male choir—Don Cossacks, "Tri Piesni" (Trade) (Columbia 02712).  
Instrumental trio—Studio Trio, (a) "Serenade" (Haydn), (b) "Cradle Song" (Schubert).  
Baritone—Roy Henderson, "The Signpost" (Schubert) (Col. 02711).  
Violin—Miss Ina Bosworth, "Chanson Meditation" (Cottenet).  
Contralto—Sophie Braslan, "Carry Me Back to Old Virginny" (Bland).  
Instrumental trio—Studio Trio, "Extase d'Amour" (Roze).  
Male choir—Don Cossacks, "How Greatly Our Lord is Magnified" (Bortnjansky) (Columbia 02712).  
Violin—Miss Ina Bosworth, "Spanish Dance" (Sarasate).  
Chorus—La Scala Chorus, "La Tempesta," from "Otello" (Verdi).  
Instrumental trio—Studio Trio, Excerpts from the "Beggars' Opera" (Gay-Austin).  
9.30 (approx.): God Save the King.  

### 2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, MARCH 2.

3.0 to 4.30: Afternoon session.  
Evening Session.  
7.0: Relay of evening service of St. Gerard's Redeemptorist Church, Hawker Street, Wellington. Organ: "There is a Green Hill" (Gounod); ska; Sermon: Rev. Father J. P. Duggan, C.S.S.R.; Hymn: "Cast Rosary with Choral Responses; Antiphon: "Ave Regina" (Witz-Thy Burden) (Mendelssohn); Motets: "Jesu Audi Nos" (Winter); "O Salutaris" (Waters); "Tantum Ergo" (Oakes); Recital of Divine Praises; Motet: "Adoremus in Aeternum" (Gladstone); Organ: "Finale in C Minor" (Batiste).  
8.15: Approx. Studio concert by Wellington Boys' Institute Military Band (Conductor Mr. A. Iremonger), assisted by 2YA artists.

Hymn—Boys' Institute Military Band, "Abide With Me" (trdtl.).  
 Overture—"The Golden Star" (Greenwood).  
 Contralto—Miss Nora Greene, "Love Not the World" from "The Prodigal Son" (Sullivan).  
 Tenor—Mr. William Renshaw, (a) "Like Stars Above" (Clarke); (b) "Red Devon by the Sea" (Squire).  
 Intermezzo—Boys' Institute Military Band, "In a Monastery Garden" (Ketelbey).  
 Baritone—Mr. Ernest Short, "How's My Boy" (Homer).  
 Instrumental—J. H. Squire Celeste Octet, "Polonaise-Mignon" (Thomas, arrgd. Robertson) (Columbia 02749).  
 March—Boys' Institute Military Band, "Under the Eagle's Wings" (Brown).  
 Weather report and announcements.  
 Contralto—Miss Nora Greene, (a) "Evening Boat Song" (Schubert); (b) "O Flower Divine" (Haydn Wood).  
 Instrumental—J. H. Squire Celeste Octet, "Introduction and Romance Mignon" (Thomas, arrgd. Robertson), (Columbia 02749).  
 Tenor—Mr. William Renshaw, "An Evening Song" (Blumenthal).  
 Fantasia—Boys' Institute Military Band, "Favourite Melodies" (Raymond).  
 Baritone—Mr. Ernest Short, (a) "Friends Again" (Phillips); (b) "Three" (Weatherley).  
 Soprano—Dora Labbette, "Rose Softly Blooming" (Spohr).  
 Waltz—Boys' Institute Military Band, "Erin's Isle" (Round).  
 Choral—Don Cossacks' Choir, "Monotonously Rings the Little Bell" (Folk song arrg. Jaroff) (Columbia 9085).  
 March—Boys' Institute Military Band, "The Harvester" (Evans).  
 God Save the King.

### 3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, MARCH 2.

- 8.0 : Relay of Welsh Service in commemoration of St. David's Day from the Christchurch Anglican Cathedral: Preacher (Pregethwar), Rev. (Parch) A. Tobin; Organist (Organydd), A. M. Owen; Harpist (Telynor), H. Glaysher; Conductor (Arweinydd), James G. Parry.  
 Followed by a short gramophone recital until 4.30 p.m.  
 5.30: Children's Song Service by children of Church of England Sunday Schools, conducted by Miss H. Park, assisted by the children from the Anglican Sunday School.  
 6.15: Chimes from studio.  
 6.30: Gramophone recital.  
 7.0 : Relay of Evening Service from St. Mary's Church of England, Merivale: Preacher, Ven. Archdeacon P. B. Haggitt; Organist and Musical Director, Mr. Alfred Worsley.  
 8.15 (approx.): Tone poem—New Queen's Hall Orchestra, "Finlandia" (Sibelius) (Columbia 02889).  
 8.23: Baritone—Mr. Finlay Robb, "Bois Epaïs" (Sombre Woods) (Lully).  
 8.26: 'Cello—Mr. Harold Beck, "Adagio Pastoral" (Handel).  
 8.30: Mezzo-soprano—Miss Merle Miller, (a) "Nay! Though My Heart Should Break" (Tchaikowsky).  
 8.33: Instrumental—Christchurch Broadcasting Trio, "Rondo from Trio in B Flat" (Schubert).  
 8.43: Recitation—Mrs. Margaret Williams, "The Pipes of Lucknow" (Noyes).  
 8.49: Tenor—Mr. Harry Francis, "Beloved, it is Morn" (Aylward).  
 8.52: Orchestral—Madrid Symphony Orchestra, "Noche de Arabra" (Arbos).  
 9.0 : Mezzo-soprano—Miss Merle Miller, (a) "Ah! Thank Me Not" (Mallinson), (b) "To Music" (Schubert).  
 9.4 : 'Cello—Mr. Harold Beck, "Minuet" (Mozart).  
 9.8 : Baritone—Mr. Finlay Robb, (a) "An Eriskey Love Lilt" (Kennedy Fraser), (b) "The Bitterness of Love" (Dunn).  
 9.13: Instrumental trio—Christchurch Broadcasting Trio, (a) "Barcarolle" (Tchaikowsky), (b) "Abenlied" (Schumann), (c) "Autumn and Winter" (Glazounov).  
 9.21: Recitation—Mrs. Margaret Williams, "A Ballad of Splendid Silence" (Nesbit).  
 9.24: Tenor—Mr. Harry Francis, (a) "Sacrament" (Macdermid), (b) "A Spirit Flower" (Tipton).  
 9.29: Orchestral—Mengelberg's Concertgebouw Orchestra, "Valse Serenade for String Orchestra" (Tchaikowsky) (Columbia 04234).  
 9.34: God Save the King.

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## Children's Sessions.

(Continued from page 11.)

dren's hour this evening, and a merry band of singers coming along from Shirley way.

**SATURDAY.**—St. David's Day to-day, and so the Welsh juniors are coming with lovely songs and choruses of Wales. And "Birdman" is to be here, too, taking charge, and telling more tales about New Zealand song birds.

**SUNDAY.**—Children's Song Service, conducted by the Anglican Sunday School.

### AT 4YA.

**MONDAY, FEBRUARY 24.**—Uncle Allan's night comes round again. If you listen carefully there may be something about "Lizzie and the Shuv-a-lot." It all depends upon their behaviour, of course. In any case Signora Martinelli will be there with her clever pupils. An hour of laughter, letters, and lovely music. Not forgetting the radio postie.

**TUESDAY.**—If Uncle George grows no shorter his days as a radio uncle do. Didn't you know? He's been made one of those fearful men who visit schools to see exactly how much you know—an INSPECTOR (capital letters Mr. Printer, please). But he'll be at 4YA to-night and a few other nights yet, so make the most of him. Jean McMillan, Jean Kirkham, and another hairn will make music for the family.

**WEDNESDAY.**—Big Brother Bill to-night and Mr. Announcer. It may be that K-K-K Katy will have sent some more riddles. Ken Russell, Lella Downie, and Ruby Powell are the programme bairns. No, Big Brother Bill will NOT sing "Sweet Rosie O'Grady," but he will most likely tell some animal yarns. Letters and birthdays also.

**FRIDAY.**—Friday is an unlucky day, so people say, but you won't be out of luck if you listen to 4YA to-night. Mr. C. Roy Spackman's pupils will make this night's programme. Aunt Sheila has a story to tell, and there are birthdays also.

**SATURDAY.**—Miss Anita Winkel's pupils in a little fairy play. Do you believe in fairies? They say and sing some lovely things about them. Listen and hear? Aunt Anita has a lovely story and other things as well.

**SUNDAY.**—Another quiet day in which to rest and be ready for the week. The Hanover Street Baptist Sunday School will sing songs; you know how sweetly they do it, too. Big Brother Bill talks to the bairns.

## Our Mail Bag

(Continued from page 9.)

and go for it. For some time our programme has been interrupted to allow someone to air their views on different subjects, but in the majority of cases they only talk round the clock and lose themselves and their subject-matter. Mr. Editor can you explain why Wellington cannot give a respectable rebroadcast? The second last I listened to, the Naval Conference, was awful. I turned to 3YA and it was good, clear, and almost free from static, and no howlers. Do you think that if 2YA were to halve their power the result would be better? I think it would, as when the announcer has apologised for a break in the session and explained that we are on low power the result is far better than on full power; everything is as clear as a bell. At present I have to put a fixed condenser and a variable condenser in my aerial after about 7 o'clock. I use this, otherwise nearly all the items are distorted badly, and sometimes vary like a voice on a swing; this is not caused by loose aerial or lead-in, nor is my set at fault, as I have immediately switched on to some other station and reception is good. A word of praise is due for the 2YA Orchestra and our good violinist (who makes others like poor amateurs), also our pianist; they are very good.—J.K., Trentham.—(It seems very much as though your set is being overloaded. Try a much smaller aerial for local reception and couple directly to the grid of the detector.—Tech. Ed.).

THE statement that a prospective broadcast listener—being a staunch vegetarian—would not purchase a portable receiver on account of its being finished in hide, may seem rather far-fetched. This, however, was the actual experience of a radio manufacturing company in England. They eventually succeeded in satisfying their unusual customer by agreeing to make a special wooden case for her! We are thus inclined to wonder whether this vegetarian lady customer feels compelled to switch off when stringed instruments are being played.

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# THE ELECTRIC HOME JOURNAL

**E**LECTRICITY has played an important part in the modernisation of the home, of which electric light was, in most cases, the forerunner, but too little attention has been given to the selection of effective, suitable and harmonious fittings.

Good lighting is the least expensive of home comforts and frequently costs no more than bad lighting. The difference between the two is only a matter of using the same amount of current in the right way.

The chief essentials of good lighting are correct electric lamps (that is to say, of the correct wattage for the purpose for which they are being used), correct position, suitable provision for switching on and off conveniently, and ample wall plugs.

Years ago, crude methods and practices were inevitable, but to-day, so much progress has been made in the field of illumination that there is no excuse for bad lighting, where electricity is installed, nor for using any kind of lamp, without regard to position, effect and suitability. Suitable, efficient and artistic fittings are available for every environment. Good lighting conduces to good work and comfortable and recreative leisure.

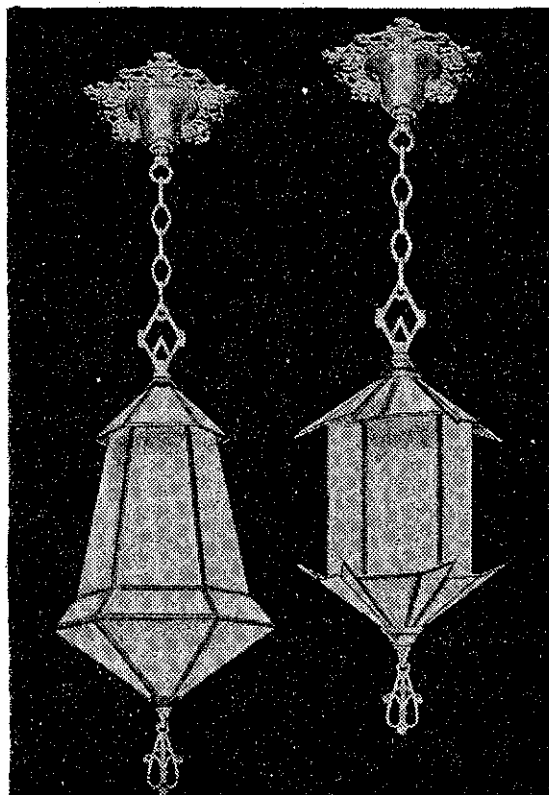
**T**HE two types of lamps in general use to-day are the vacuum and the gas-filled. A considerable saving in current consumption is possible by the use of the latter, which gives at least 40 per cent. more light than vacuum lamps for the same wattage. For instance, if vacuum lamps at present in use are discarded and replaced with gas-filled of 40 per cent. lower wattage, the same strength of light is available, and electric light bills are automatically reduced by 40 per cent.

By reason of their brilliance, they are liable to be a source of glare in the higher wattages, and should therefore be used in a pearl, opalescent or inside-frosted form (unless with an enclosed fitting), for the purpose of securing diffusion.

**V**ACUUM lamps are used mainly for the lighting of cupboards, pantries, attics, etc., where the number of burning hours is small and the lower cost of a lamp is a more important consideration than the small amount of current consumed, but for passages, halls, nurseries, sick rooms, and so on, lamps should be used that are fitted with a neat chain device, that reduces the light in five stages from full normal lighting of 60 watts

to 5 watts, or "out," enabling the user to obtain just as much light as is wanted and no more.

Another device, much in use in Europe (and there is no reason that what obtains there or elsewhere should not obtain here) is for lighting wardrobes, cupboards, pantries, etc., where, by means



These modern art lanterns speak for themselves. Designs that add a touch of originality and beauty to their environment. Light flowing through the fine translucent white glass produces very interesting effects.

of a simple arrangement, the lamp is switched on or off by the opening or closing of the door. For this purpose, a 25 watt lamp is sufficient.

The user is not so concerned with the candle-power at its source as with the efficiency at the place at which it is being used. Light should not be stinted in the kitchen, 70 being a desirable wattage for a central light, which should be either daylight blue or pearl, or inside frosted, and 40 watt lamps in a bracket over sink and range are very desirable additions.

Hall lighting naturally depends on the size of the hall, but at full should not be less than 70 watts.

For central lighting in the dining-room, an opal lamp of 100 watts is recommended, or a pendant of three lights of 40 watts each, not necessarily all switched on together, unless required. In either case, additional light, which can be switched on or off at will (in the form of wall brackets, or general lighting with special fittings of semi-direct or indirect type), is an advantage, when the wattage should not be less than that of the area of the room in square feet.

**I**T is probably in the lounge, drawing-room, or principal living-room, that lighting effects will most repay careful study, from the view of efficiency, economy, and last, but not least, artistic effect. Here, a central fitting, preferably of the concealed type, wall brackets, and, at least, one standard lamp are called for, but with a 25-watt lamp in the standard, the central light of 100 watts can often be dispensed with, the wall brackets providing a half-way compromise when desired.

The ideal bedroom is fitted with a central light, which need not be excessive, say 40 to 60 watts, a 40-watt lamp bracket on either side of the dressing-table, and, it goes without saying, an adjustable bracket lamp immediately over the bed-head, with a switch within easy reach of the occupant, which need not be more than 20 watts.

At first glance it may look as though the upkeep of such an installation would be a costly matter, but on reflection it is apparent that only on very rare occasions, if ever, would even half of the lamps be in use at the same time, whereas the convenience, comfort, and brightening influence in the home would be immeasurable.

Extra lighting points will save their initial cost over and over again, from the resulting economy of being able to switch off the central lighting units, using the lamps of lower wattage, each for its own special purpose.

**T**HE introduction of shades and fittings of decorative types and designs in a variety of patterns, colours and forms, now, more than ever in the past, makes it possible for electric fittings to harmonise with and definitely add to the value of any decorative scheme, and it is nothing short of tragedy from the artist's and architect's point of view that so many people should be content with the single bare light, hanging from the ceiling on a single cord, which is either a feeble or glaring example, as the case may be, of how NOT to do it.

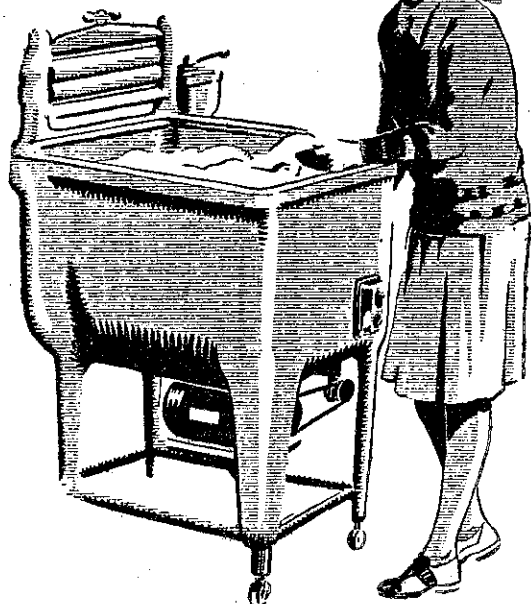
—Continued on page 25.



# WIN - A WASHING MACHINE

*With  
Seven  
little  
Reasons*

## RULES and CONDITIONS



The Problem is: "Why I Would Like an Electric Washer in My Home."

- (1) Give 7 reasons, sentences or points, using for each one not more than 12 words, in answer to the above problem.
- (2) Write neatly in ink; number the sentences; put name and address at bottom of entry.
- (3) The judge of the competition is the Managing Editor of both papers concerned, A. J. Heighway, and his decision shall be binding and final on all competitors.
- (4) Award will be made on the human value and merit of the reasons given, and not merely on literary expression or verbal cleverness thereof.
- (5) The competition is open to general readers of both papers; employees of newspapers, advertising agencies, and electrical houses are ineligible.
- (6) The official entry coupon, as published in either the "New Zealand Dairy Exporter" of February 20 and March 20, and the "Radio Record" between the dates of February 20 and April 4, 1930, must be used in forwarding entry, together with the entrance fee of 1/- postal note.
- (7) The competition definitely closes with the clearance of P.O. Box, 1032, Wellington, at 9 p.m. on Saturday, April 12, and the award will be made as soon as possible thereafter.
- (8) The winner's full name and address, and the winning entry, will be published in both papers, together with the names and addresses of the winners of the 15 consolation prizes.
- (9) The winner must select, within one month of the award being made, the prize from those washing machines which have been advertised in the columns of either paper during the currency of this competition.
- (10) There is no limitation upon the number of entries by any one competitor, provided the official coupon and entrance fee are forwarded in each case.

**DO IT ELECTRICALLY!**  
A Washing Machine for You.  
**SEND ENTRIES TO**  
**"WASHER"**  
**P.O. BOX 1032**  
**WELLINGTON**

IN order to stimulate interest in the comfort, convenience and labour-saving possibilities of electricity in the home, the "New Zealand Dairy Exporter" and "Radio Record" newspapers combined offer as a prize for his or her skill one Electric Washing Machine (to be selected as stated in the conditions), to that person who, in the opinion of the judge, sets out in seven (7) sentences, each of not

more than 12 words in length, the seven (7) best points in answer to the question: "Why I Would Like an Electric Washer in my Home." To the five (5) next best entries, orders for One Pound (£1) each will be given, redeemable for a One Pound rebate in the purchase of any electrical apparatus anywhere in New Zealand, and ten (10) cash prizes of 10/- each.

The official entry coupon from either paper must be used in making entry. Employees of newspaper staffs, advertising agencies, and electrical houses are not eligible. The competition closes at 9 p.m. on April 12, 1930. Send entries on official coupon, with specified entry fee, to "Washer," P.O. Box 1032, Wellington.

A. J. HEIGHWAY,  
Managing Editor,  
"Radio Record."

I enclose my entry for the Washing Machine Competition and I agree to accept your decision as final.

Name .....

Address .....

# How to Use Electric Light to Advantage in the Home

By H. E. TAYLOR  
New Zealand Manager,  
British General Electric Co. Ltd.



ONE of the most important things which tend to add to or detract from the comfort of a home is light, and yet it is a remarkable thing in how many instances the question of supplying artificial light is one which is very largely neglected. The most elaborate home can be made to lose a great deal of its charm through neglecting the illumination, and, inversely, a modest room can be given a convincing charm if it is suitably illuminated.

It is an undoubted fact that in a large number of cases an immense amount of time and forethought is spent on carpets and general furniture and the lighting is simply left as a more or less afterthought, with the result that from an aesthetic point of view the results are deplorable, and, from a lighting point of view even more so.

Nothing is less conducive to comfort when a person sits down to work, read or play in a room than to have an unsuitable glaring light, and to those who wish to have an hour or two with a good book, nothing is more annoying than to have to be continually moving round in order to get within a suitable range of vision. All this can be avoided by a careful study of lighting. In the older countries this has long been recognised, and to-day lighting is not just a matter of putting in a lamp and selecting some sort of cover for it; lighting problems are tackled by highly qualified engineers and every particular room is treated according to its own character and usage.

Naturally, the first consideration in the matter of lighting is utility, but combined with this utility there can be an artistic study of the purpose to which the light is going to be used.

Perhaps the most objectionable feature of unsuitable lighting installations is that of glare. Nothing is more harmful to the eyes, or even to the nerves, than an unshaded or badly shaded source of light, which constantly tends to obtrude into the line of sight with uncomfortable results. Even in the most modest position, and with the smallest outlay, this can be avoided by the use of such a lamp as the new "Pearl Osram" lamp. This is an internally sprayed lamp, the effective light is quite equal to that of a clear lamp, but yet there is an entire absence of glare. So much has this fact been recognised that in England to-day the British Standards Committee, which lays down the standards of all classes of material, has adopted the "Pearl" lamp as a standard lamp in place of the clear lamp.

In addition to using a white lamp, more particular attention is now being paid to the use of coloured sprayed lamps, these latter lamps being sprayed in all different artistic colours can be sprayed in a great number of positions with very desirable and pleasing effects.

Taking the average house, one might offer the following suggestions:—

## The Hall.

THE hall, naturally, is the introduction to the house, and tends to strike the keynote to the rest of the establishment. A badly-lighted hall immediately gives a visitor the impres-

sion of a dingy home; a brightly-illuminated hall, on the other hand, gives an air of cheeriness and the impression of hospitality, which must be pleasing to the visitor. It is therefore essential that a hall should be softly but brilliantly lighted, without the addition of a number of harsh shadows. For this reason it is advisable to use a central globe of sufficient height to be out of the line of vision, and with a lamp so shaded by ornamental glass that sufficient light is obtained, but light of a pleasing, cosy quality. In the case of a lounge hall, a wall-plug should be fitted for use with a well-shaded standard lamp, where, if one wishes, one can sit and read with a great air of cosiness. Another important point is to see that the hall light is controlled by two-way switches, so that the light can be switched on, firstly, from the hall door itself, and, secondly, from some other convenient position from the head of the stairs of the upper floor or from the living room. The advantages of this dual control of the hall light must be apparent.

## The Living Room.

THIS, perhaps, in the ordinary house, is the room which requires the most study and attention, as not only has one to consider the general utility lighting, but also the effect on a dining-room table when this has been laid for a meal. The most suitable form of lighting for this room is by means of a well-shaded counter-weight pendant of about 18in. diameter, with a deep silk or other suitable flounce. By using a fitting such as this it can be brought down low to the table during a meal, or when cards are being played or work being done at the table, but on other occasions the fitting can be raised higher, thus giving a general stream of light over the whole of the room.

In the case of a larger room, wall brackets placed adjacent to the fireplace, lend an additional air to the room, and also add to the lighting effect. In the case of only one or two occupants in the room sitting near the fire, the wall brackets only can be used, giving a most cosy feeling and adding to the economy of light.

## The Drawing-Room.

THIS room is naturally one which often has to be treated according to the style in which it is furnished, and here it is well to emphasise that it is possible to secure any type of fitting to suit any type of decoration. It is quite unnecessary to put a modern style of fitting in a room with French furniture, and so on. So far as possible the lamps should be well shaded, possibly, even concealed by a suitable semi-indirect fitting, the metal-work of which should be naturally made to match the general decorations of the room. Wall-brackets should be

fitted in the room in various positions to enable the use of floor-standards, reading-lamps, etc. It is in this room that coloured lamps can be used with very great effect.

## The Bedroom.

THE study of the lighting of a bedroom is one which well repays the time spent on it. Naturally, the first essential is a soft illumination over the whole of the room. Local light is required over the dressing-table, and both these objects can be obtained by a well-shaded centre light of fairly small proportions, with a two-light white sprayed counter-weight over the dressing-table when same is in use; a fitting such as this can be adjusted to any height, it effectively prevents shadows in the glass and greatly adds to the comfort and convenience of dressing. Switches should be arranged adjacent to the door and also near the bed. In addition, a plug should be fitted adjacent to the bed for use with a reading-lamp, the style of which, of course, should fit in with the general harmony of the room.

## Bathroom and Kitchen.

THESE rooms should also be treated in accordance with their general requirements, the chief consideration in these rooms being a lamp that can be easily kept clean, which is well out of the way, and yet which gives a general illumination over the whole of the room.

In the case of a nursery, it is possible to make use of a small lamp entitled the "Osglim," which gives a very faint red light, quite insufficient to disturb sleep, but sufficient to enable everything in the room to be seen. Such a lamp is absolutely safe, whereas the old method of leaving a night-light or a low burning gas jet is not, on account of their being liable to blow out or even set fire to surroundings.

To sum up, it should again be emphasised that electricity should be made the servant of the household and not the master. Electricity can be adapted to any given form of lighting, and with a little study and foresight good lighting can be assured with perfect ease.

Can you solve a difficult problem?

See

"TRIALS IN TACT"

(on page 27 of this issue).

Have you secured your copy of

"N.Z. Radio Listener's Guide"?

Dealers and Booksellers 2/6; Post Free 2/9—P.O. Box 1032, Wellington.

Now Available.



—If you haven't already heard this cooking hint over the radio, you'll welcome it now.  
Better cakes—better scones. Simply add a few spoonfuls of ANCHOR SKIM MILK POWDER to the mixture. Cheaper than ordinary milk—makes your baking lighter, more delicious, more nutritious, and keeps fresh for DAYS longer.

Grows throughout New Zealand stock ANCHOR SKIM MILK POWDER, 2/6 per tin. For Free Folder of Tested Recipes, write to-day to, "Anchor," Box 844, Auckland.

*Home Lighting*

(Continued from page 22.)

CANDLE-FITTINGS in wall brackets, with their soft glow, have a dainty and perennial charm; lantern fixtures, displaying all the artistry of the old-time craftsman, strike a note of distinction, while the beauty of a brilliant form of glass fitting—beveled glass panels of geometrical design with metal bindings—defies description in words, and although somewhat fantastically styled "futurist" is greatly looked to for the completion of Jacobean and Tudor apartments, where architects have found it a difficult and intriguing study to introduce a scheme of lighting in keeping with a period.

Progress has been made in the lighting of both old and new homes (the older and more mellow homes often responding the more admirably) so that lighting can and should be raised from the plane of mere utility to decorative illumination and enhancement of the charm and beauty of the home.

The Teacher: Gas is a sort of vapour. We can neither see it nor feel it. Bright Boy: But oh, mam, how we can step on it.

"Have you heard about the eldest Goldberg girl? Her father caught her eloping with the chauffeur."

"What happened?"

"Oh, he made her a present of the car and she was driven from home."

## The Quest for Beauty in Modern Home Lighting

By Mrs. G. G. MacQuarrie.

THE higher standard of living and thinking, towards which we are surely all striving, demands a higher standard of beauty. Every woman responds to beauty, even, if only unconsciously, and desires that her surroundings should at least do justice to, if not enhance, her own claims on that score.

The modern electric lamp with its supreme possibilities for introducing colour and beauty into the home is the direct result of woman's wider knowledge, her demand for more beauty on all sides, and especially in the home, her own particular province; and she will to-day no more buy an out-of-style lamp, or one whose artistic proportions of colouring is not right, than she will buy a dress of last year's fashion.

Manufacturers have not been slow to realise this, and have responded ably to this urge. Pendant lamps, table lamps, and wall fixtures are now of surpassing beauty, dignity and charm. Good taste, artistry and craftsmanship are apparent in the bases of delicately-coloured porcelain. Glazed peasant pottery in different modernistic designs of exquisite form and tint hold and please

the eye; pewter, venetian glass, hand-painted wood, in fact, all the arts and crafts have added their quota to the service of light.

For those who are themselves creative artists, undecorated shades are available, to which painted designs or silhouette effects can be applied.

Even the person who tells you that he "doesn't care what a thing looks like as long as it answers its purpose," is sub-consciously pleased and soothed by soft, harmonious lighting, becomes less aggressive in artistic surroundings, and is, in truth, often the very one whose nerves are calling out for just that treatment and soothing effect.

Children, too, respond enormously to artistic surroundings, their love of beauty is developed, and they willingly spend more time in a home where interior lighting is studied.

LAMP fittings play an important part in hygiene, the preservation or destruction of human eyesight and nerves. In homes, schools, hospitals, kitchens and shops they need to be carefully chosen with these ends in view,

*Increased Business*

SATISFACTORY figures, indicating steady growth in revenue through increasing consumption of power, were given at the last meeting of the Manawatu-Oroua Power Board. Revenue for the year was estimated at £68,980. Figures for the nine months showed the revenue to be £50,171, compared with £41,655 for the same period last year, an increase of £8516. It was anticipated that the year's revenue would finish about the £70,000 mark, thus enabling all commitments to be met, with full depreciation for the

and further kept free from dust and dirt, the accumulation of which seriously impair their efficiency.

The average housewife to-day knows something about interior decoration, most women have their own ideas, that pride of possession, which makes for progress, that desire for "something a little different," which is always all to the good, and encouraging originality, prevents monotony.

Every buyer of lamps is interested in furnishing, and there is now no furnishing scheme, with which lamps cannot be found to harmonise and supplement, and even the most discriminating will marvel at their beauty.

A room or a house is just as inviting and hospitable as its lighting suggests, and balanced charm is worth striving for.

# For Artistic Home Lighting—!

G.E.C. FIXTURES and PEARL **Osram** LAMPS

G.E.C.

Of British Manufacture

WE cordially invite an inspection of our Showrooms where we have displays of fittings suitable for all requirements.

Our staff of skilled lighting engineers is at your service and we shall be pleased at all times to submit a lighting scheme to suit your requirements—whether for domestic or commercial use.

INSIST ON LIGHT WITHOUT GLARE BY USING—



## BRITISH GENERAL ELECTRIC CO., LTD.

SHOWROOMS:

WELLINGTON  
31-7 Taranaki Street

AUCKLAND  
49 High Street

CHRISTCHURCH  
145 Worcester Street

# The HOME KITCHEN

By "ELECTRA"

## On the Road

FOR a whole day picnic, or one in a car, it is not necessary to depend entirely on the ever-useful, but somewhat overworked and mundane sandwich. Try lamb chops, cold sausages, and mutton turn-overs, and you will be remembered as a worth-while hostess, not only by the male members of the party but also by the feminine portion, who have equally commendable and appreciative appetites on these occasions, although perhaps they require a little more tempting.

If en route by car, it is usually worth while making up individual packages, to save passing to and fro, and taking the drinks, unskimmed, in thermos flasks, but if camping as the gods will it (and here, let me say, that even if hungry to the point of desperation, plod on until a really suitable spot is found, and the belated repast will taste all the sweeter), the younger members of the party will probably like to hark back to the old instinct, make a fire—and possibly some matches of their own—and boil the billy.

CHOOSE a site near a stream if you possibly can, so that you have water for tea or coffee, without having to carry it far.

In any case, everyone will be pleased to find some fairly substantial food all ready. You are bound to hear that "fingers were made before forks," so let your dishes be adaptable. Ham sandwiches, so very awkward to eat delicately, can be made into ham rolls instead, by mincing the ham, unless it is a particularly nice tender slice, and roll it between a slice of bread and butter. Above all, make everything small, tell the lunchers to "come again," and, believe me, they will.

Cold lamb chops can be handled quite nicely, if trimmed and provided with a little frill around the bone. Bread should assume the form of tiny rolls or scones. The small mid-geet sausages are easily picked up in the fingers (paper serviettes are, of course, provided) and the mutton-turnovers will hardly feel the touch of the fingers on their way to the mouth.

Jam sandwich, uncut until wanted, cream cheese between well-buttered biscuits, nuts and fruit all come in splendidly for "afters." If you feel that there should be sandwiches, make them to order on the spot. Prepare the fillings at home, and take them along in glass jars, with a head of lettuce, which has been well washed and wrapped in a damp towel, a brown and a white loaf, and butter.

## Picnic Recipes

COLD lamb chops explain themselves. The only note necessary is that any fat left on should be well-browned and the chops grilled and dished up quite dry. Cold sausages the same applies to.

Little mutton turnovers are made from rounds of flaky pastry, folded over, with a little minced mutton cooked with chopped onion, and well seasoned with salt and pepper.

Fried chicken (and if it is not a chicken but an old hen it will probably have more taste and flavour, but will require steaming first).—Divide into joints, dip in flour mixed with salt and pepper, and fry in hot fat until nicely browned. Allow to drain well.

Egg Croquettes.—Use three hard-cooked eggs and 1 cupful of cooked macaroni, both chopped fine. Mix well with 1 cupful of thick white sauce, pepper, salt, and a dash of curry powder. Allow to cool, then shape, dip in egg and breadcrumbs, and fry in deep hot fat. These are excellent eaten cold.

Cheese Rissoles.—Mix 1oz. of corn-flour with a gill of milk, put in a saucepan and stir over low heat. Simmer for a few minutes and remove. Add 3oz. of grated cheese, 2 egg yolks and 1 dessertspoon butter. Season with salt, pepper and a little made mustard and spread mixture on plate to cool. Form into balls, using a little flour, egg and breadcrumbs, and fry in hot fat until golden brown.

Banana Jellies.—Bananas sliced in small glasses or cups or cartons with a little lemon jelly poured over travel well and are usually appreciated and are thirst-quenching.

Sandwich fillings may be tongue and horseradish, made by mixing 1 cup of minced tongue, 2 tablespoonfuls of bottled or grated horseradish, 2 tablespoonfuls of Worcestershire sauce, together with enough mayonnaise dressing to bring it to the right consistency to spread.

Minced ham and tomato calls for 2 cups of finely chopped ham,  $\frac{1}{2}$  cup of sour pickles, 2 tablespoonfuls of prepared mustard, and enough salad dressing to moisten well. A slice of lettuce improves this.

Cream Cheese and Ginger Sandwich Filling.—Mash  $\frac{1}{2}$ lb. cream cheese with a fork, add salt, pepper, and  $\frac{1}{2}$  cup finely chopped crystallised ginger and enough water to moisten. This is a delicious semi-sweet filling.

Peanut butter, chopped nuts and celery, dates or raisins, sprinkled with lemon juice, separately or together, all make changes.

## What can be Done with Macaroni

COOK it with chopped onions, a tin of tomatoes, half a cup of cooked ham, butter, seasoning and stock, as a dish for lunch or supper.

Mix it with white sauce, and arrange in fireproof dish with small nests, in which to put eggs, and cover with cheese.

Cut inch-long pieces of cooked macaroni and add to fish salad for extra nutriment.

Make into creamy mixture with egg and milk, and bake with fillets of white fish and some mushrooms.

Cook it in quickly boiling salted water, and make a border round mince or hash.

Cover it with tomato sauce for lunch or supper dish.

Serve small pieces (cooked) as a garnish for soup.

Make it the basis on which to serve poached eggs, as well, of course, as a cheese savoury or milk pudding.

## An Excellent Brown Loaf

(By an Irish Cook.)

A LOAF of delicious brown bread, crisp, fragrant, with all the flavour of the wheat, can be made from start to finish in half-an-hour.

Doctors are constantly advising brown bread, everyone agrees that it is the most wholesome, yet we eat a great deal more white, perhaps because most brown bread so soon becomes stale and dry.

In Ireland, every little peasant girl can make a loaf of brown bread almost before she has learnt to read, because day by day she sees her mother bake batches of brown "soda bread."

This is how it is done:

Take one pound of wholemeal flour and rub into it thoroughly a small level teaspoonful of bicarbonate of soda, and rather less of salt. Mix it into a light dough with sour milk. It is essential that the milk should be sour or the bread will not rise. Knead it lightly but firmly for three or four minutes, then shape into a round, flat cake about an inch and a half thick.

A Baby Loaf.

BAKE on a floured tin in a moderate oven for fifteen to twenty minutes. When done it will sound hollow if tapped on the bottom. Half the quantity can be used, and will make a baby loaf sufficient for three or four people.

The bread can be varied by making it with half white and half wholemeal flour. It is then less crumbly, but lacks the distinctive flavour of the whole wheat.

Readers of the "Radio Record and Electric Home Journal" who have cooking difficulties or require help with recipes for electric cooking, or desire special hints in connection with their electric ranges, may write to "Electra," P.O. Box 1032, Wellington. Replies will be published either in these columns or in urgent cases sent direct, provided a stamped addressed envelope is enclosed.

## Facts you should Know about Gelatine

1. Fruit juices can be easily converted into jellies by adding 1oz. of gelatine to 1 pint of juice that has been sweetened to taste.

2. Gelatine dissolves more easily if soaked in a little cold water before hot water is added.

3. If a jelly is wanted quickly, the gelatine may be soaked in 1 or 2 tablespoonfuls of cold water, dissolved by standing the basin in boiling water for a few minutes, and the remainder of the liquid added cold.

4. Jellies cannot be made from fresh pineapple juice, unless it has been previously boiled for 2 minutes. This destroys the enzyme present in fresh pineapple, which breaks down the gelatine, so that it will not set.

5. The quantity of gelatine should be increased in hot weather, or if a large amount of solid is to be added.

6. Milk should be absolutely fresh and only lukewarm when added to either packet or home-made jellies, otherwise it will curdle.

7. Solid foods should not be put into a jelly until it is just setting. This avoids uneven distribution.

8. A mould should be wiped dry after dipping in hot water. If this is not done, unsightly water will be deposited on the serving dish.

9. Jellies set more quickly in individual moulds, are easier for serving, and keep an attractive appearance for the second day.

## A Picnic Trick

AN easy and amusing trick is to make

a message appear in writing on the whites of hard-boiled eggs. Use a mixture of an ounce of alum in a half-pint of vinegar, and paint the message or prophecy on the shell of the egg with a fine brush. Place the egg in water and boil for about fifteen minutes. The lettering on the shell will disappear, but on removing the shell the writing will be seen on the hard-boiled white of the egg. By serving several prepared in this way, a good deal of curiosity and excitement can be aroused.

HAVE you seen the competition, "Trials in Tact," appearing on page 33? There is a chance of winning a handsome prize, while much pleasure will result from an attempt to solve the little difficulties which make the competition.



## Electricity for Ventilation

**V**ENTILATION, says an American journal, is a subject that is vitally interesting to the average man, who recognises it as a necessary factor in assuring good health in the individual as well as efficiency in his work.

Scientific authorities have long and constantly pointed out that good ventilation is the replacing of bad or used air with pure, fresh air brought in from outside. The problem of ventilation is to remove the breathed air and replenish the supply of fresh air. The answer to this problem is properly designed positive electrical ventilation. It assures the entrance of fresh air and the removal of the used air at all times. It creates no draughts, permits no dead air pockets, and ensures a supply of fresh air in all parts of the room.

## Good Work Appreciated

**A**T the last meeting of the Manawatu-Oroua Electric Power Board tribute was paid to the creditable work of the staff in restoring the supply of power after the regrettable disaster at the Bunnythorpe power station. The interruption was approximately 2½ hours, and considering the magnitude of the repairs necessary, this was remarkably good. A special vote of thanks was accorded by the board to the staff for its prompt action in effecting repairs, special reference being made to the work of the assistant-engineer, Mr. T. Donaldson, and that of the chief engineer, Mr. W. A. Waters, who had prepared for such a contingency with a special apparatus for running new wires to the board's sub-station. Mr. Waters explained that the Government originally proposed that there should be one sub-station at Bunnythorpe, instead of two—one belonging to the board and the other the Government. Had the Government's proposal been agreed to it could now be seen that the board would have been lost, for the Bunnythorpe station was the nerve-centre of the board's system. The Government was going to erect a new building at Bunnythorpe which would ultimately control the whole of the load system in the North Island.

## Travelling Demonstrations

**V**ALUABLE publicity for electrical cooking is being obtained in France by means of a motor-van, fully equipped as an electric kitchen. The van is fitted with an electric range, kettle, coffee percolator, and other small appliances.

Samples of food cooked in the van, and printed matter, are distributed to the crowds of housewives who gather round the vehicle in the squares and market places of the towns and villages where demonstrations are given.

Large dials are provided so that the consumption of current can be observed, and a supply of the smaller types of appliances is carried for sale on the spot. Current is taken from the nearest low voltage main, by means of a long lead.

The plan is worthy of attention by supply authorities in this country.

# Trials in Tact

or

## What Would You Do?

(Conducted by Savoir-Faire)

**U**NDER this heading, an every-day problem will be set week by week, and readers are invited to send in their solutions, for which marks will be awarded. Prizes are offered to those obtaining the most marks over a series of ten. First prize, £2/2/-; second prize, £1/1/-; and third prize, 10/6 for each series.

Competitors may send in their own problems for publication and solution and a prize of 10/6 will be given for the best one sent in during each series, and 5/- for each contributed problem used.

### Problem No. 3.

One afternoon Miss A. receives an invitation by telephone from Mrs. B. to have dinner at Mr. and Mrs. B's house that night. Having good reasons for not wishing to go, but no legitimate excuse, Miss A. pleads indisposition.

She is later asked by Mr. C. to go to the pictures that evening and accepts his invitation. After they are seated, but before the pictures begin, Mr. and Mrs. B. come in and are shown to the seats immediately behind Miss A. and Mr. C. What should Miss A. do or say to Mrs. B.?

Suggested by Miss N. Johnston.

(Answers must be postmarked not later than February 20, 1930.)

### Problem No. 4.

Miss A. has been numbering among her friends a young man, Mr. B., whom she sees frequently, and who has always been most popular with the younger set.

Through an accident, it comes to the knowledge of Mrs. C. (the mother of Miss A.'s girl friend) of some unseemly behaviour on the part of Mr. B. Mrs. C. has been fond of Mr. B. for some years, and for the sake of his future and her esteem for his parents, she decides to keep the matter as private as possible, consulting a gentleman of high repute on the matter, who points out to Mr. B. the seriousness of his offences and strongly warns him against any recurrences. At the same time, she feels it her duty to warn her daughter and Miss A. against Mr. B.

How then should Miss A. behave when she next meets Mr. B., as she is doubtful if he is aware of her knowledge?

Suggested by "Ginger."

(Answers must be postmarked not later than February 27, 1930.)

A non-de-plume may be used, but names and addresses must be sent. The same non-de-plume must be retained throughout the series. All replies must bear a postmark dated not later than the Thursday after the date of the journal in which the problem appears, and should be addressed to "Savoir-Faire," "Radio Record and Electric Home Journal," P.O. Box 1032, Wellington.

Savoir-Faire's decision must in every case be accepted as final.

## Solution of Problem No. 2.

This problem has proved somewhat of a poser, as, indeed, it is. I cannot, however, agree with those competitors who think that Mrs. B. should go to Mr. A. for treatment.

Should the reports of Mr. A.'s unsatisfactoriness be only hearsay, as some suggest, it is obvious that Mrs. B. has no faith in his work, and for that reason alone would never feel satisfied. Nor do I agree with those who suggest that Mrs. B. should talk the matter over with Mrs. A. I think that would be doubly hurtful to Mrs. A.

Many competitors suggest that Mrs. B. should arrange for a short visit to the city or another town and have the work done there; and, personally, I think a little finesse of this sort quite justifiable in a case like this. Mrs. B. should be careful not to discuss her intentions with anyone beforehand, so that it does not reach Mrs. A.'s ears, but on her return, should casually mention that while she was away she took the opportunity to have her teeth attended to. Thus no invidious distinctions are drawn between Mr. A. and the other dentist.

In any case, Mrs. B. is entitled to seek what she believes to be the best advice obtainable.

Full marks are 5, not 6, as stated in last issue, and for solution to Problem No. 2 have been awarded as follows:—A Trier, 5; Absolve meam animam, 5; Anon, 3; Bonza, 3; Miss Noelle Bull, 3; Clara, 4; Duplex, 0; Equity, 3; Fiat Pax, 4; Frances, 0; Miss Rhoda Green, 0; Grace, 3; Ginger, 5; Haven, 4; Irene, 3; Miss N. Johnston, 5; Jonquil, 3; Kummel, 4; Listener-in, 4; Lucid, 2; Mrs. Mason, 5; Myra, 4; Mayflower, 3; Natural, 3; Nomen, 2; Olivia, 2; Pumpkin, 4; Query, 2; Radex, 4; Radio, 4; Rosa, 0; R.V.S., 5; Senga, 0; Scylla, 4; Summit, 3; Thames, 5; Tuner, 2; Topaz, 2; Miss M. Trask, 0; Undine, 4; Viola, 5; Verity, 3; V.L.A., 0; Wynward, 3; Weaver, 5; Xylonite, 4; Xerxes, 3; Yum-yum, 0; Zenobia, 3.

Thank you, too, "A Trier," for your kind and appreciative letter. It is nice to know that you are finding the competition so interesting. —"Savoir-Faire."

## Controlling Water-Heaters

**T**HE Palmerston North Borough is introducing a novelty in the control of electric hot water heaters. The system being installed is the first of this kind in New Zealand. From the supply point of view it is imperative that current used for water-heating purposes should in the main be consumed at periods off the peak load. Some system of control to achieve this is therefore necessary. Some supply authorities use time switches to effect this. Another system, more popular at home than in this country, is to have a readily controlled switch on each individual heater, with control wires running through each street linking up with each house with a water-heater. This control wire enables the operator at the power-station to supervise the consumption of power at peak periods. In the case of Palmerston North, an adaptation of this system is being introduced. Instead of their being a relay switch for each water-heater installed in each house, one large switch will be installed on a pole in the streets, controlling probably as many as 30 to 40 houses. By this means the capital expenditure will be reduced from approximately £1200 necessary for 600 to 700 switches to about £200 for approximately 30 switches.

## Electricity Costs in Auckland

**I**N a recent number of the "Radio Record and Electric Home Journal" figures were quoted showing the cost of running several electrically-equipped Wellington houses. According to comparative figures obtained from the Auckland Electric Power Board, the cost of electricity for domestic use is a little higher in Auckland than it is in Wellington, although even there it is very cheap compared with other means of lighting and heating.

Auckland figures show that the average cost of lighting and ironing by electricity for a five-roomed house is £4 per year, the average cost of operating an electric stove is £10 per year, and the average cost of power for an electric hot water heater is between £6 and £7 per year.

The cost of electricity per week in a medium-sized Auckland home where lighting, cooking, ironing, and radiator heating is electrically carried out is about six shillings.

The Auckland Electric Power Board supplies power to a number of the surrounding boroughs, and in its whole district there are nearly twelve thousand electric stoves operating.

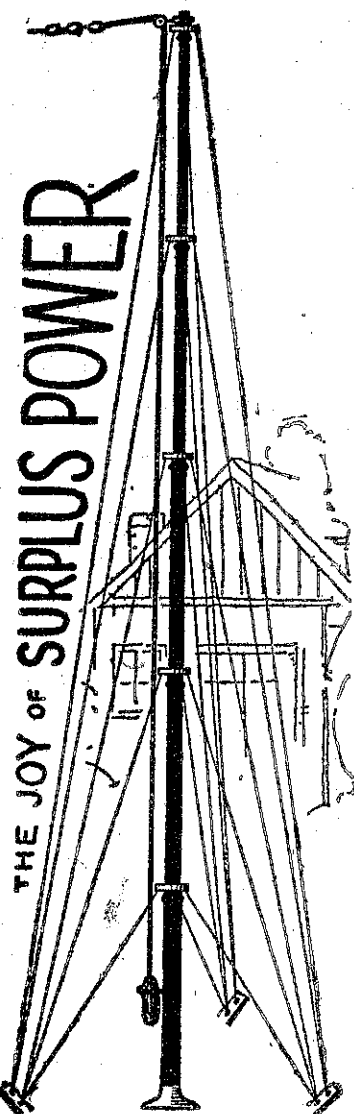
A number of dairy farmers are supplied with power for their milking machinery, and the cost of milking a herd of from fifty to sixty cows on a four-cow plant, averages £4 per quarter, or, if milking is continued all the year round, £16 per annum.

Magistrate: "So this is the fifth person you've knocked down this year."

Lady Scorch: "Pardon me—the fourth. One of them was the same person twice."

## Notching Coil-Formers

ONE of the most popular types of low-loss coil former consists of two circular or hexagonal end-pieces joined together by means of six rods which serve to support the windings. In order to get the wire on neatly and with perfectly even spacing it is almost essential to notch the rods in some way, and one of the best methods of doing this is to put a screw thread on to them. If a thread with a suitable number of turns per inch is chosen, any gauge of wire can be wound on with the turns regularly spaced, and once the coil is finished the wire has no tendency to slip.



## P.R. Aerial Masts

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42ft.	48/-
28ft. (cheaper grade)	19/6

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## Testing Grid Leaks

### A Source of Interference

ALTHOUGH the average grid leak now sold is a thoroughly reliable little accessory, especially when purchased from one of the well-known makers with a reputation to maintain, there are occasionally cases where a noisy grid leak causes all kinds of trouble, frequently attributed to other sources, such as the "B" battery or accumulator. It is very easy to rig up an arrangement which will test whether your grid leak is noisy. All that is necessary is to connect a grid leak in series with the primary of an audio-frequency transformer and a couple of dry cells. The secondary of the transformer should be connected to a valve in the usual way, and preferably this valve should have another audio-frequency transformer in its output circuit (giving a two-stage amplifier following the grid leak).

For example, a three-megohm grid leak in series with the primary of a transformer and a couple of dry cells, if correctly graded and of good quality, should pass a perfectly steady current of approximately one micro-ampere.

If now we listen at the output end of the amplifier with a pair of telephones we should hear nothing whatever save when the current is started and stopped. If, however, the leak is faulty and "noisy" (which means constantly changing its value), the current passing through the primary of the transformer will vary with the variations of resistance in the grid leak, and we shall get noises and crackles.

The position of the grid leak in a receiver is such that it never has to carry more than a very small current, as the voltage applied to the grid of a detector valve is probably on the average considerably less than one volt, so it is not fair to test grid leaks, as some people do, with a "B" battery of 100 volts or so, for a grid leak which may be perfectly satisfactory for all ordinary receiving purposes is often ruined by such a test. Anode resistances and resistance-capacity-coupling units are, of course, tested with much higher voltages.

### Laboratory Jottings

### Atwater Kent Combination

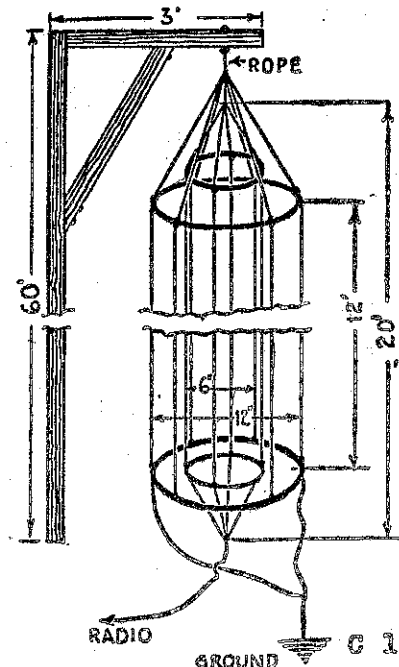
A SPECIAL gramophone pick-up attachment has been added to the Model 60 Atwater Kent receiver, our report on which appeared in a recent issue. By rotating the dial to the "0" position the moving plates contact a cam which switches in the pick-up. A small alteration has been made in the wiring, and this has done much to improve the tone from the pick-up. The alterations made when a pick-up is added makes the audio side an excellent one for gramophone reproduction. The music is both brilliant and sonorous, covering a very wide musical range; in fact, we cannot recall having heard better reproduction from any other representative of this class of instrument.

## Reducing Power-Line Grid-bias from Single Cells

### Soldering to Zinc

THE following method of reducing power-line interference appeared in "Radio News" some time ago. It will no doubt interest some of our readers, though we do not know of anybody who has tried out the idea in New Zealand.

Mr. H. Morgan, of Los Angeles, California, says: "I have an aerial 60 feet high, with a vertical 5-wire cage 20 feet long, all enamelled. My aerial is within 100 yards of a 60,000-volt line;



so I had some trouble until I got two aluminium rings, 6 inches larger than the aerial, and hung one at the top and one near the bottom and grounded them. This improved matters so that I get good reception in the daytime. I got this idea from power engineers, who use this method near their transmission lines, and it might be of some help to those who live close to high-tension lines."

As the diagram shows, two earthed rings are suspended outside the vertical cage aerial, and the accompanying wires conduct away the induced high voltages.

A SINGLE cell is often used nowadays to provide the grid biasing potential for radio-frequency valves. Unless some special form of mounting with spring contacts is used, this necessitates, as a rule, the soldering of leads to the cell itself, a job which requires rather careful handling. It is very important that in the process of soldering the cell should not be unduly heated up or it may suffer internal damage.

There is not, as a rule, much difficulty about attaching a wire to the little brass cap which forms the positive contact, for in most cases this will be found ready tinned. With a clean, hot iron the job can be done so quickly that no serious amount of heating up occurs. The important point is that the iron should be hot. If it is not, it has to be applied for far too long before the solder will flow, and the cell is warmed up to an undesirable degree. Soldering to the zinc pot in order to make the negative contact is not so easy, and unless one is careful, a dry joint may be made which, though it may look all right, will come adrift sooner or later—probably sooner.

First of all the zinc should be thoroughly cleaned at the point at which the lead is to be affixed by scraping well with an old knife. A small amount of flux can be applied. After this, a little solder is run on, and the lead, well tinned, is fixed in place. It is quite useless to employ a small, light iron, for owing to the comparatively large area of metal to be dealt with, heat is absorbed from it so rapidly when it is applied to the zinc pot that almost instantly it becomes too cool to do the work properly. A medium-sized or a large iron does not lose its heat so quickly, and with such a tool, a good, sound joint can be made. After soldering leads to cells always be careful to give each a good pull in order to test its strength. One is not infrequently surprised at finding that a good-looking joint is really no joint at all.

SETS that have been out of action for a month or so nearly always develop bad contact, due to loose terminals, so they should be gone over carefully with pliers before being placed in service again.

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# Power Output Calculations

## Valves in Parallel and Push-Pull

THE parallel operation of valves needs but little explanation, as valves thus connected may be considered as a simple valve having an amplification factor equal to the average of the compound valves, and an impedance equal to the average impedance divided by the number of valves. In preparing, for accurate work, a series of plate-voltage plate-current curves preparatory to the insertion of a "load-line," the curves may either be taken for the bank of valves, or, if the valves are "matched," readings may be taken for one valve and multiplied by the number of valves, the resultant figures being used in preparing the curves.

Two parallel-connected valves will, theoretically, give precisely double the output of one, if the load is properly adjusted. At first sight one might think, from the fact that the output is proportional to the square of the currents, that the increase in output would be greater than this. Further consideration, however, leads one to remember that the load must be reduced in line with the lowered impedance, so that the power expended in the load is also reduced. In practice it is usually impossible, principally because of divergencies between the valves employed, to double output by means of connecting a second valve in parallel with the existing power valve. If the load is suitably reduced, however, as it might be by using a speaker of lower impedance, the experimenter will find little difficulty in adding half as much again to his present output by this means.

IN regard to the now popular push-pull operation, there seems to be a great deal of doubt regarding the theoretical increase in output occasioned by adding a second valve in this manner. If the matter is viewed in the following manner, however, it is difficult to see how any doubts can cloud the issue.

Starting with a single output valve properly loaded, we add a similar valve to it in push-pull, leaving the load the same. The effect, since the two push-pull valves are effectively in series, is to double the valve impedance while leaving the amplification

factor unaltered. Clearly the output valves will not now be properly loaded. If we add to the push-pull valves two more, connecting them in parallel with the first two, this will have the effect of reducing the impedance once more to that of the single valve, so that the conditions in regard to the load are restored to those existing at the commencement. Now we have four valves all properly loaded and with approximately the same combined amplification factor as each valve singly, but we have twice the input, for two or more valves connected in push-pull will, of course, accommodate twice the grid swing that either valve will singly. Thus, in theory, four valves connected in parallel push-pull should be productive of eight times the normal output of a single similar valve—provided the input is doubled. In practice the gain is not so great as this for the same reasons as prevent parallel-connected valves from giving their expected output.

Since four valves in parallel are theoretically capable of giving eight times the output of a single similar valve, and since paralleling two valves only doubles the output, is natural to conclude that two valves in push-pull should give a theoretical four times the output of one. This is in fact the case, but it is necessary to increase the load so as to "match" the impedance of two valves in series (i.e. twice the impedance of one) in order to maintain the correct operating conditions for the two valves. If this is done, it can be safely anticipated that the output power will be at least trebled when a second power valve is added in push-pull connection.

In this simple explanation of push-pull operation, it has been assumed that the bias supplied to the valves has been their normal bias when operated singly. As many experimenters are aware, output may be boosted even more by biasing push-pull valves to the centre of the curved portion of their characteristic curve. The gain, however, is not—in the writer's opinion—sufficiently great to atone for the loss of one of the principal advantages of push-pull operation; namely, the elimination of audio-frequency currents from the battery circuit or other source of B current. Therefore, except where extreme economy in B current is desired, it is not recommended that this method of biasing be used.

(To be concluded next week.)

## RADIO LISTENERS' GUIDE

AN INDISPENSABLE WORK.

PRICE 2/6 from Booksellers, or 2/9 Posted.

BOX 1032 WELLINGTON.

## Reviving "B" Batteries

MANY "B" batteries produce grating and scratching noises some time before they are actually exhausted. Such noises can be eliminated and the useful life of the battery extended

by connecting across the block a two-microfarad filter condenser of the type ordinarily sold for use in building a "B" eliminator and power amplified circuit. If two condensers are available connect one across the entire "B" voltage and the other across the detector "B" voltage.

# RADIO DIRECTORY

## What to Buy and Where

### CITIES

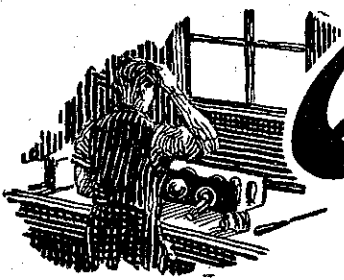
- AERIAL MASTS** ..... Domestic Radio Co., Ltd.,  
300 Queen Street, Auckland.
- ALTONA & HAMMARLUND-ROBERTS SETS.** Johns, Ltd.  
Chancery Street, Auckland.
- AMPLION LOUDSPEAKERS** . All Radio Dealers.
- BURGESS RADIO BATTERIES,** All Radio Dealers.
- CROSLEY RADIO RECEIVERS** G. G. Macquarrie, Ltd.  
120 Willis Street, Wellington.
- CROSLEY RADIO** ..... Abel, Smeeton, Ltd. Rep.: G. MOSES.  
James Street, Mangere.
- CROSLEY RADIO** ..... Abel, Smeeton, Ltd.,  
27-29 Customs St. E., Auckland.
- EMMCO RADIO PRODUCTS** Johns, Ltd.,  
Chancery St., Auckland.
- EMMCO RADIO PRODUCTS** Thos. Ballinger & Co., Ltd.,  
Victoria St., Wellington.
- EMMCO RADIO PRODUCTS** L. B. Scott, Ltd.,  
Worcester St., Christchurch.
- KING RADIO RECEIVERS** ... F. J. W. Fear & Co.,  
63 Willis Street, Wellington.
- MAJESTIC RADIO RECEIVERS** Kirkcaldie & Stains,  
Chief Wellington Agents, Lambton Quay.
- MULLARD VALVES** ..... All Radio Dealers.
- PILOT 1930 PARTS AND KITS, ETC.** ..... Abel, Smeeton, Ltd.,  
27-29 Customs Street East, Auckland.
- PILOT 1930 PARTS—PILOT SUPER WASP KITS, GILFILLAN, KELLOGG and ATWATER KENT SETS** ..... Harrington's, N.Z., Ltd.,  
138-140 Queen St., Auckland.  
40-42 Willis St., Wellington.
- RADIOLA RECEIVERS** and Farmers' Trading Co., Ltd.,  
Expert Radiola Service. Hobson Street, Auckland.

### COUNTRY TOWNS

- CROSLEY RADIO** ..... J. C. Davidson,  
Main Street, Pahiatua.
- CROSLEY SETS** ..... Abel, Smeeton, Ltd. Rep.: C. Ruscoe,  
409 Devon Street, New Plymouth.
- CROSLEY RADIO** ..... D. A. Morrison & Co.,  
Victoria Avenue, Wanganui.
- MAJESTIC, ATWATER-KENT AND RADIOLA ELECTRIC SETS** Radio House, Hamilton.  
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# Questions and Answers



## Deviating from Specifications.

**I** FIND that I shall have to deviate slightly in the specifications given for the laminations and the spool ends for the transformer for the 250 power pack. Will this be in order?—"R.A.M." (Auckland).

A.: The deviations you have mentioned will be quite in order.

## "B" Battery Trouble.

**MY** "B" batteries having run down, were renewed, but on connecting them up, I found three valves had been blown out. What was the cause of this? asks "W.T." (Frasertown).

A.: It is hard to say, but we should imagine that in connecting up the new batteries, you have either made a faulty connection, or drawn two wires into contact so that the "B" supply found its way into the "A." We could not imagine the increased voltage arising from the new batteries to cause the trouble. A condenser may have broken down and thus allowed the "B" supply to get into the "A." In installing new batteries, it is wise to look to the connecting cord and its junction with the terminal strip, for it is possible for frayed copper ends to cause an arc between two terminals and thus cause trouble. The movement of the cord which is occasioned by moving the batteries might cause the short-circuit. If in doubt at any time a torch bulb should be connected across the filament terminals of the valve sockets. The voltage of this should be slightly less than that of the valves to be used.

## Condenser Shorting.

**I** HAVE an all-electric set, but on turning the dial to a certain point the set starts to squeal and become un-

controllable. What is the matter? asks "L.B." (Te Puke).

A.: It appears that when a certain point on the dial is reached, the condenser vanes touch the fixed ones, causing a short circuit, which would give the symptoms complained of. Examine all the condensers carefully, and it will probably be noticed that one of the end moving plates has received a slight jar and sent it inwards.

## Faulty Eliminator Block.

**I** SHOULD like to have a circuit diagram of the "B" eliminator part of a certain factory-made receiver, asks "A.G.R." (Greytown).

A.: We regret we cannot supply specifications of the factory-made sets. Apply to Spedding, Limited, Auckland.

2: I am building a neutrodyne and thought of incorporating the binocular type of R.F. transformer. Could you give me the specifications?

A.: This type of R.F. transformer has gone out of date, and we would not advise you to try and incorporate it in your set. Use ordinary solenoid coils on a small former.

## Set Noisy.

**MY** new 8-valve screen-grid receiver makes a "honking" noise when heating up. We have tried changing the valves, but to no avail, states "J.McD." (Palmerston North).

A.: This seems a case for the dealer who sold you the set rather than for our query column. Get into touch with him.

## A Milliammeter Problem.

**I** HAVE bought an English milliammeter, and find that when it is connected in the plate circuit of an amplifier valve, that I get a reading of 8 mills., irrespective of where I have the biasing resistance. When I connect this in the plate circuit of the 171 in the final stage, I cannot get a reading, although the set functions perfectly. I am using an output filter, writes "W.A.D." (Christchurch).

A.: The fact that you do not get a reading for the 171 is probably because you are connecting the meter between the output filter and the speaker, through which passage current does not flow. The meter should be connected between the filter and the plate of the valve, or between the "B" supply and the output filter. The fact that the resistance does not alter the reading need not concern you, unless you are using less than 135 volts on the plate. This valve correctly biased with more than 135 volts will draw upwards of 6 milliamps, of current, but if less than this, the milliammeter reading 8 will indicate that the biasing resistance is not working, in which case repairs will be needed.

## Shortwave Coils.

**I** AM building the screen-grid short-wave four, and am using .001 tuning condensers with a .00035 or .00025 condenser for reaction. What will be the necessary numbers for the coils using valves bases for formers and with 26 DSC wire for all coils except the tickler? It will be 30 gauge DSC.—"E.W.C." (Kilbirnie).

A.: For best results we should advise you to follow the coil specifications given by "Megohm" in "The Radio Listeners' Guide." The following approximations, however, should just about fit your case, but some adjustment may be needed when the set is

toms Street East, Auckland, who will give you full details.

2. My valves are American with a non-American as power valve. How would you advise me to renew them?

A.: Exactly as they are in the original set, except for the power valve, which might be any good one on the market.

## Trouble with "Round-the-World" Two

**I** HAVE built "Round-the-World" Two, but cannot receive anything but Morse signals. I followed the descriptions except that I used a .00025 condenser instead of a .002. The set oscillates smoothly and I am using a 201A as detector, writes "J.K." (Lincoln).

A.: It appears that you are not tuning on the right bands. Put a .00005 condenser in series with the tuning condenser, or take a turn or so off the coil. Try removing the neutralising condenser from the aerial.

## Various Points.

**COULD** you enlighten me on the following, asks "J.B." (Longford):

1. Which takes the greater amount of "B" current, DEL610 or 201A?

A.: According to the manufacturer's curves, if both are correctly biased and 135 volts is used on the plate, 201A will draw 3 milliamps, and DEL, 6 milliamps.

2. Where can I obtain information for building a 250 volt "B" accumulator with the series parallel connection to charge from a 6-volt dynamo.

A.: In our issues July 29 and August 5, 1927, "Megohm" gave full details for building a wet "B" battery to give 112 volts, but more cells may be added to give 250 volts. To charge these from an "A" charger about 50 small cells may be connected in parallel and three of these groups connected in series (if a 4-volt charger is used) or four in series if a 6-volt is used.

3. Would "Jelectrin" be suitable for electrolyte in these cells?—No.

4. Can I use a 6-volt 10 amp. accumulator to charge a 6-volt accumulator at 3 amps. if I carry the current over 25 chains.

A.: No; there will be a voltage drop which must be made up for at the charging end. You could charge a 4-volt accumulator allright.

**ON** no account connect up an eliminator without reading the manufacturer's directions carefully, or serious damage may be caused by wrong connections.

**ALWAYS** avoid a joint in the aerial wire if possible, but where it is unavoidable arrange to solder the joint. Otherwise trouble will certainly develop, due to high resistance at this point.

## Questions and Answers

**READERS** of the "Radio Record" who are in difficulties about reception or set construction are invited to write to our "Questions and Answers" department for help. We particularly wish to assist those who know little about radio, as very often there is some very slight trouble which spoils completely one's enjoyment of the programmes.

Correspondents are asked to observe the following courtesies:

1. Write legibly.
2. Make your questions brief and to the point; do not make apologies for writing, and, where possible, tabulate.
3. Do not ask for a reply by post unless a stamped and addressed envelope is enclosed. Even in these circumstances, we reserve the right to answer any question through our columns.
4. Do not ask us to design circuits or send detailed layout diagrams; but we can offer advice regarding circuits.
5. Address all technical correspondence: "The Technical Editor, P.O. Box 1032, Wellington."

working: 12 to 28 metres, primary 4, secondary 5, reaction 4; 28 to 38 metres, primary 5, secondary 8, reaction 6; 38 to 60 metres, primary 5, secondary 18, reaction 9; 60 to 100 metres, primary 4, secondary 30, reaction 15. These are for coils built with the wire unspaced. We consider the .00025 to be the better condenser for reaction.

## Neutralisation Difficulty.

**WOULD** you advise me how to neutralise a factory-built receiver? I had this done, but in bringing it from the dealer the neutralisation was affected, and now the set is as bad as ever, writes "R.G." (Hawke's Bay).

A.: Communicate with the New Zealand agents, Abel Smeeton Ltd., Cus-

## Radio Literature

Largest Stocks South of the Line for Amateurs and Broadcasters. "Radio Manual," published price 25/-, postage 1/-, "Radio Amateur's Handbook," latest edition, 5/3 posted. Write us.

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## HOW'S THIS!

If a rich relation said: "Tom, my boy, I'm going to shout you a first-class trip around the world with a nice little salary each week to keep you going," you would jump at it. Radio operators don't have to depend on rich relations. If YOU want to be a radio operator, for full particulars write to

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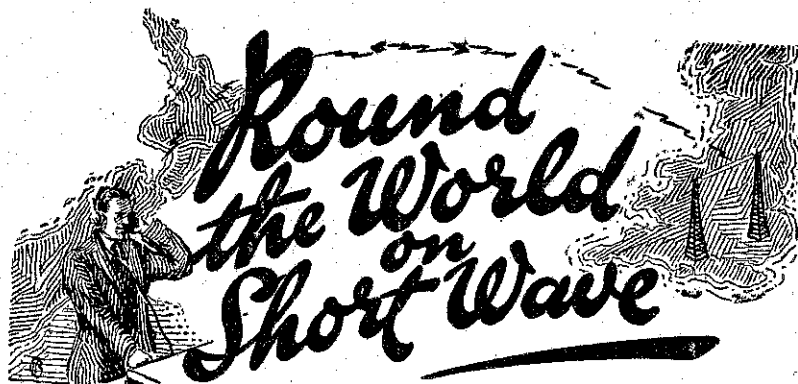


## Short-Wave Notes

## News From Correspondents.

**RA97** on 35 metres.—Mr. Vernon Wheatley (Auckland) has heard the English-speaking lady announcer state that "This is RA97 on 35 metres." There does not appear to be any doubt that RA97 transmits on this wave-length sometimes, as other listeners have heard the same announcement.

**HSLPJ, Bangkok, Siam.**—Mr. R. T. Stanton (Christchurch) has forwarded a letter received from Phra Aram, radio engineer, Royal Siam's Post and Telegraph Department, Bangkok, Siam, which contains the following information:—"In reply we beg to inform you that the broadcasting tests are generally carried out on Sunday, Tuesday and Friday from 1300 to 1600 G.M.T. or from 2000 to 2300 o'clock local time (i.e. 7 hours ahead of G.M.T.) from this transmitter using 29.5 metres wave-length. Since this is only an experimental station we hope that you will not expect us to adhere to the schedule given. We, however, always broadcast the news to our listeners when any change is being contemplated or decided upon."



(The above transmissions are equal to Monday, Wednesday and Saturday, 1 a.m. to 4 a.m. New Zealand summer time.)

## Notes.

**RADIO** Experimental, Paris, on 31.65 metres, is the first broadcasting station to transmit a children's hour on short waves. The broadcast is arranged for juveniles resident in French colonies overseas.

**AN** American station is planning to install a short-wave set in a trailer behind a motor-lorry and tour New York to pick up events of interest occurring during the day or night. These will be relayed to the main station for re-broadcasting.

**WORK** has now begun on the erection of the Papal wireless station in the Vatican City. The apparatus is being built by the Marconi Company.

**PARIS** Experimental Radio is a new short-wave station. Transmissions of gramophone records and speech are made on 31.65 metres, with a power of 1 kilowatt, four days a week at the following times: Sunday, 10 p.m. to 11.30 p.m.; Wednesday, from 9.30 a.m.; Friday, 5.30 a.m. to 7.15 a.m., and Saturday, from 6.30 a.m. (New Zealand summer time). The interval signal adopted is that of a metronome with 120 beats per minute. The station closes down with the playing of the well-known French military march, "Entre Sambre et Meuse."

Reception during Week ending February 15, 1930.

**RECEIVING** conditions have been patchy. On Friday morning all signals were very weak. Zeesen, TLO and 5SW were not audible at their usual times, while PCJ was only R4 at its best. The same evening conditions were better than usual.

**RA97, Siberia, 70 metres** was spoilt by severe static on most evenings.

**W9XF, Chicago, 49.83 metres**, has been received at good strength each evening except Tuesday, when signals were weak. On Saturday a note was made of the volume from time to time. At 5 p.m. this was R5, gushy, with a noisy background, slowly increasing in strength to R8-9 by 6.30 p.m., where it remained till signing off at 8 p.m. The gushiness and noise disappeared after 6 p.m., from which time reception was excellent.

**W3XAL, Boundbrook, 49.7 metres**, was heard on Saturday at R3 at 5 p.m., increasing to R5 by 5.30 p.m.

**W2XAF, Schenectady, 31.4 metres.**—On Sunday 2XAF was R7 at its best, with a Byrd Expedition programme. They were picked up at 10.55 p.m., Tuesday evening, playing records and calling W6XX, California, whom he told that "We are going to raise Australia in a minute." Strength was R4, with bad static. Volume increased to R5 by 11.15 p.m. A programme of dance music from the Hotel St. Regis was received at R7 on Saturday till 5 p.m.

**PCJ, Eindhoven, Holland, 31.4 metres**, were weaker than usual on Friday, but on Saturday were up to R9 from 6 a.m., decreasing to R7 by 7.30 a.m. A very strong hum spoilt reception.

**Zeesen, Germany, 31.38 metres**, has been received at good strength each morning except Friday, when conditions were bad.

**TLO, Nairobi, 31 metres**, is still audible on most mornings, but too weak to hear much.

**VK2ME, Sydney, 28.5 metres**, comes in at R9 mornings and evenings while testing with GBX. The question of a full moon affecting reception was discussed one morning. It appears that this does have some effect on signals received from England by 2ME.

**GBX, England, 27.5 metres**, testing with Sydney. Strength and readability varies a lot.

**KZRM, Manila, 48.8, 24.4, and 31.4 metres (about).**—This station appears to be experimenting on various wave-lengths. I heard them once only since last writing; that was on Tuesday, when they were on about 31.4 metres. Volume was R8 when tuned in just after 10 p.m.

**G5SW, Chelmsford, England, 25.33 metres**, is stronger at 7 a.m. now when opening, but too gushy to be clearly readable.

**KDKA, Pittsburgh, 25.4 metres.**—On Sunday, messages to the Far North and the Byrd Expedition at Little America were R6 at 4.30 p.m. An improvement was noticed on Saturday, when a programme from the William Penn Hotel was received at R8-9 till 5 p.m.

**W6XX, Oakland, California, 23.35 metres.**—Reception is improving from this station. On Sunday they were excellent at 5 p.m. at R8, which was the

maximum. Again on Friday a programme by the "Musical Musketeers" was well received.

**W2XAD, Schenectady, 19.5 metres**, was only just audible on Sunday, but on Saturday they were up to R7 by 5 p.m., with the same programme as W2XAF.

**POK Holland, 16.3 metres**, at 10.30 p.m. on Tuesday was very clear at R5 with records.

**PLE Java, 15.74 metres**, were on at the same time as POK, with records, at about the same strength.

## Unidentified Stations.

**41.6 metres (about).**—A station has been heard each morning on this wave-length. Volume is always weak—about R3. Talk in a foreign language is heard about 6 a.m.

**31.5 metres (about).**—On Monday, Wednesday, and Thursday, from 6 a.m. till 6.15 a.m., a man has been heard talking in what I believe to be German. No call has been heard. Strength about R5.

**IN** sending in a very comprehensive log, rather too long for publication, "Super" (Hawera) writes:—"I pick up many every evening quite strongly, but am unable to understand their call signs, so have not listed. WOO does not appear to have a settled programme. Some evenings they play records, and other times it is all talking. They come in very clearly, but I have not been able to get their location. Several evenings they were giving a word test. I wrote down most of the words, but could not get the address on account of static. On the 3rd 6AG were testing on 20.75 metres, and later on 41.5 metres. They came through excellently on 20.75 metres, but the second test was too late for me (3 a.m.). They were asking for reports. Every word was clear and distinct."

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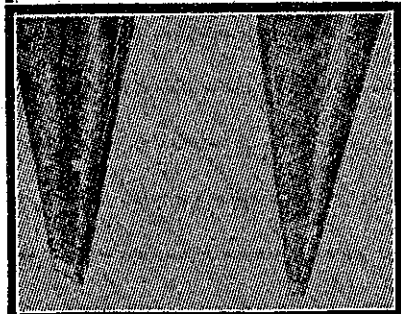
# With GRAMOPHONE and RADIO

By "B Natural"

## Types of Needles and their Uses with Pick-ups

IN the old days (we shall speak of them in these terms, although they are not yet really old), needles were grouped into three categories—loud, medium, and soft. There were a few other special groups such as extra loud, spear point, special soft, etc., but these were relatively unimportant. The gramophone owner had merely to decide on the volume he required, and then select his needle accordingly. With the advent of the pick-up and the electric amplifier volume could be easily controlled by a resistance in the pick-up (the volume control) or in the amplifier itself.

If an amplifier requires different needles to discriminate in volume, then it is apparent that either the amplifier or the pick-up requires adjustment. In the modern apparatus the function of



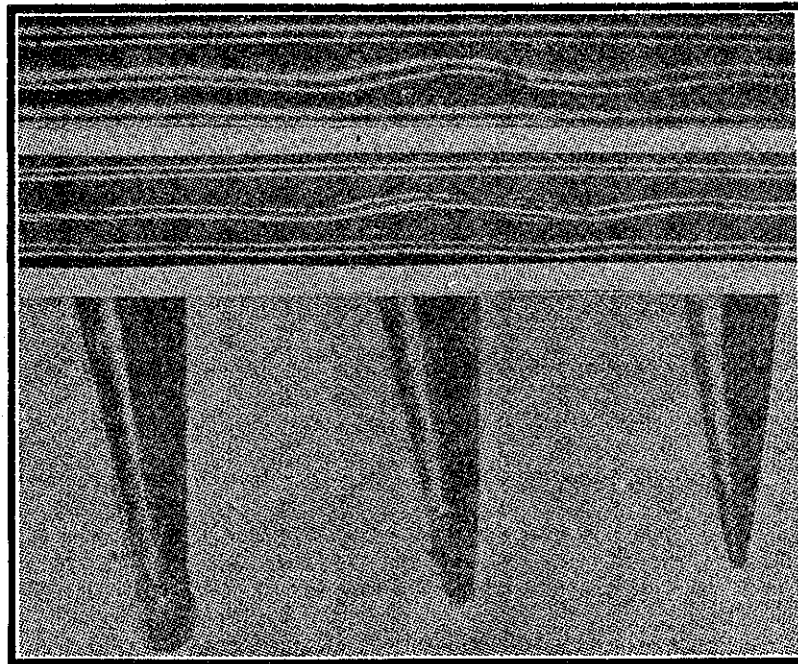
A "loud" needle (left) and a "semi permanent," each having played one side of a record.

the needle is tone, and as modern tendency in all musical reproduction is moving towards this, it is incumbent upon all who seek it with regard to gramophone reproduction, to find out the best type of needle to use.

If every owner of a combination had special measuring instruments, the problem could be very simply solved, but as this is impossible, one must rely upon ear. The average person who has had some experience in listening to recorded music will have no difficulty in picking up the differences caused by changes in the needles.

In very many ways the loud needle has been rendered old-fashioned. Loudness should be obtained by adjusting the volume control or the amplifier. The needle is fairly thick, and wear is rapid, so that before it has tracked out more than half the record, a surface has been worn which makes it a very blunt point. When it has gone to the inside of the record this definite face will be on the side nearest the spindle. If, as many unfortunately do, the needle is made to play again, it is returned to the outside and the face swung round so that a corner of it will tend to catch on the side of the groove, and ruin the record. This can be made

clear by reference to the diagram. The first figure shows a selection of a band record before it was played. The lower photograph shows the same record after it had been played fifty times. In these experiments care was taken with the needle, and even then a deep note, marked by the curve, was broken away at the edges. If now a sharp edge is brought into contact with those sides, the breaking away process will be very greatly accelerated and the records will be rapidly worn. This face is shown clearly in the small photo., where it is contrasted with a medium semi-permanent needle on the right.



Upper Fig.—A section of a band record before being played.

Centre Fig.—A similar section of the same record after having been played 50 times. Note how the groove is deformed.

Lower Fig.—Left, a new needle; centre, after one run on a new record; right, after one run on an old record.

The medium needle is more suitable for gramophone reproduction. It gives an over-all brilliance, and the bass is well reproduced. A loud needle has a tendency towards greater emphasis in the treble, while a soft needle will strengthen the base to the detriment of the treble. The medium needle is then "the happy medium." Furthermore, the steel in it is much tougher, and the wear is not so great. Don't rush to conclusions by this, and think that I am advocating that the medium needle should be used more than once. Not so. This can be as great a menace to records as is the loud needle when played twice—but more of this in a future article, when we shall discuss the care of records.

Reference to the same photograph reveals the fact that the wider the needle the greater the wear on the records, and for this reason the soft needle is the most economical. The effect of a needle on the grooves can be seen in the larger photo. Continued testing has convinced me that there is a vast difference in the tone of a soft needle and a loud needle. Personally I prefer the soft needle, but every user is recommended to try all three steel needles and to make his decision accordingly.

A word must be said about fibre needles. From a point of view of

We are devoting our space this week to the vital question of needles, and all owners of pick-ups whether used in connection with a gramophone combination or with the amplifier of their sets, will be interested. There is far more in selecting needles than there was with the mechanical gramophone, where volume of sound only had to be considered. The accompanying article is non-technical and will appeal to all.

## New Recordings

### Latest Dance Music.

THE output of records made from songs associated with talking pictures is now enormous, and it is difficult to keep track of everything that comes to hand. Most of these songs have been made into dance numbers as well and for the benefit of those who desire something tuneful to guide their steps the following discs have been culled from this month's H.M.V. parcel: "One Sweet Kiss," fox-trot with vocal refrain, and "Now I'm in Love," fox-trot, with vocal refrain, played by Gus Arnheim and his orchestra (EA604); "Lovable and Sweet," fox-trot with vocal refrain, played by Gus Arnheim and his orchestra, and "My Dream Memory," fox-trot with vocal refrain, played by the All Star Orchestra (EA608); "True Blue Lou," fox-trot with vocal refrain, played by Ben Pollock and his Park Central Orchestra, and "The Flippity Flop," fox-trot with vocal refrain, played by Coon-Sanders Orchestra (EA610); "Ain't Misbehavin'," fox-trot with vocal refrain, played by Leo Reisman and his orchestra, and "My Head is Bluer Than Your Eyes," waltz with vocal refrain, played by the Troubadours (EA612).

### A Re-recording of Grieg.

THERE is just a tinge of melancholy in Grieg's violin sonata in C minor. The concluding allegro animato has the air of the famous landscape "Under Winter Sunshine." Perhaps the most authoritative and most poetic reading of the work so far given is that by Fritz Kreisler and Sergei Rachmaninoff. The eminent violinist's tone is perhaps at its loveliest in the elegiac first movement (not for nothing is the key that of C minor). But one could go far for phrasing of such perfection as that with which the pianist states the theme of the Allegretto alla Romanza. The whole performance is remarkable for its balance and glowing expression. (H.M.V. D.)

These needles are very thick, and will not fit into the ordinary pick-up. A special attachment may be necessary, or a very much simpler method of using them is to trim the sharp edges off the half away from the point.

Much more could be said about needles, but from the point of view of wear on records, this will have to be left for a future article.

"SWITCH" listened with interest to the recent experiments in connection with the re-broadcasting of 2YA, Wellington, by the short-wave station 2ME, Sydney, for rebroadcasting by W2XAF, Schenectady, New York. Without a doubt 2ME, Sydney, spans the 1250 miles to Wellington in fine style. Despite fierce static every word spoken by Mr. Farmer, at 2ME, was loudly audible in Wellington, and was evidently well received by W2XAF, Schenectady. The direct distance between Wellington and Schenectady is 8000 miles, and the distance between Sydney and Schenectady is also about 8000 miles. By the way, some folk appear to think that Schenectady is a suburb of New York City; as a matter of fact, it is 142 miles distant. Schenectady, however, is in the State of New York.

**LIEUTENANT F. H. SCHNELL**, who visited Wellington a few years ago with the American fleet as a wireless operator, and who is the designer of the famous "Schnell" short-wave receiving circuit, is now an instructor and chief of the Radio and Television Institute, Chicago. The Institute trains men at their homes for technical ability in radio, television and talking picture work. Schnell has had twenty years of radio experience, and was the first to establish two-way amateur communication between America and Europe. He was also formerly traffic manager of the American Radio Relay League. While in Wellington Schnell made many friends.

THE average listener will agree that an announcer who possesses a baritone voice has a natural advantage over one who has a tenor voice. The baritone voice carries better than others. There are, of course, other valuable attributes which an announcer should possess, and a good tenor announcer is incomparably better than a baritone who has faulty diction, or mumbles his words. The National Broadcasting Company of America employs 22 male announcers of whom nine are baritone vocalists.

IN a certain New Zealand hospital in which broadcast receiving equipment is installed a certain male patient had his own independent aerial and a multi-wave receiving set with which he was able to tune in broadcasting from distant lands. He had a switch which enabled him to pass on the music to the headphones throughout the hospital installation. In the still hours of the night many a patient enjoyed music from the Australian stations and from foreign short-wave stations. When the said radio patient recovered sufficiently to leave the hospital he was sorely missed by several of the others.

MANY favourable comments have been heard by "Switch" regarding the lecture from 2YA, Wellington, by Mr. Walter F. Dudson, on "Stomach Disorders." Mr. Dudson handled his subject with ability and made clear to listeners many facts which are invaluable when known to the layman. His reference to the cause of appendicitis and precautionary measures which should be adopted proved a revelation to many.

## Notes of the Week

(By "Switch.")

"Switch" compliments Mr. Dudson on his masterly lecture.

THE late re-broadcast of the opening of the Naval Conference in London, which was so creditably accomplished by 2YA, Wellington, was not paralleled in Australia. On the other hand, the attempt in Australia is described by the Press as a fiasco. The Melbourne "Listener-In" says:—"To provide the necessary signal strength above the noise level at great distance, a short-wave station must be operated with plenty of power, and the comparatively low power used by G5SW—the station of the B.B.C.—coupled with the wavelength of 25.53 metres on that particular night, was totally inefficient. It is surely the duty of the British Broadcasting Corporation to provide an efficient service for such important events, just as much as it is the duty of all national broadcasting services to relay the ceremony."

**WALTER WHYTE**, who toured New Zealand a number of times in the good old days of the stage as leading tenor in operatic productions, and who subsequently appeared in vaudeville, is frequently heard from 3LO, Melbourne, as a studio vocalist. Mr. Whyte is also a pianist of outstanding ability.

ON Thursday night, February 13, "Wizard" Smith, the record-breaking motorist, was interviewed before the microphone in the studio of 2FC, Sydney, concerning his record-breaking performances on the Ninety-mile beach north of Auckland. "Switch" received the interview without missing a word. The "Wizard" described the sensation of motoring at a speed of over 240 miles an hour. He mentioned the danger of hitting the numerous seagulls which were on the beach. On his second attempt on the mile record a shower fell, and the raindrops struck him with the force of small stones. He is having a 2000 horse-power car built with which he expects to travel at 300 miles an hour, and will again go to the Ninety-mile beach for the attempt.

THE latest innovation by 2YA, Wellington, the broadcasting of time signals at 4 p.m., 4.1 p.m., 4.2 p.m., 7 p.m., 7.1 p.m., and 7.2 p.m. is an up-to-date move which should be appreciated by thousands of listeners who desire exact accuracy of time. The system of sending out time signals has been in operation for some time at some of the Australian broadcast stations, including 3LO, Melbourne, and 4QG, Brisbane. The latter station sends out the time signals every evening with a chirping note.

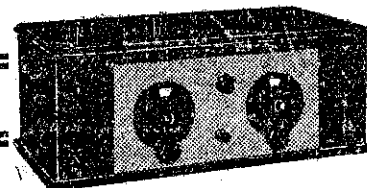
AN American station is planning to instal a short-wave broadcasting transmitter in a trailer behind a motor lorry which will tour New York to pick up events of interest occurring during the day or night. These will be broadcast by short waves to the main station for rebroadcasting.

was out of work. The programme comprised selections from grand opera, intermezzos, and overtures. The performance by the orchestra was simply superb, and a large audience greeted each item with a storm of applause. The takings were for the benefit of the workless musicians.

RECENTLY Mr. Wilfred Blacket, K.C., gave a short address on "Verses and Parodies" from 2BL, Sydney. He included the New Zealand masterpiece, "Not Understood," with some verses from a parody on it which were of a nature calculated to make Thomas Bracken's ghost haunt the miscreant who wrote them.

CERTAIN areas of Wellington continue to be subject to serious electrical leakages which interfere with broadcast reception of "outside" stations. News from America states that listeners in the Ninth and Tenth Streets of the city of Antioch complained to the Great Western Power Company that the latter's high-power lines were interfering with broadcast reception. In a letter to the City Council the company stated that immediate steps would be taken to clear up the interference. Prompt action along similar lines is badly needed in Wellington.

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