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# Future Course of Radio Service

Interview

with

Mr. A. R. Harris



MR. A. R. HARRIS, general manager of the New Zealand Radio Broadcasting Company, in an interview in "The Waikato Times," on the possibilities of the establishment of a relay station for Hamilton, dealt interestingly with several phases of the broadcasting service. He intimated that the question asked was purely one of Government policy, quite beyond the province of the company under the terms of its license.

IN reply to a question as to whether there was any immediate prospect of a supplementary service being provided for in the Waikato, Mr. Harris replied that this question opened up a problem in the solution of which all interested in broadcasting service are vitally concerned. Sooner or later the question would have to be decided as to whether any extension of the service should take the form of the extension of the services rendered by the four main stations or the extension of broadcast facilities for the benefit of the more prominent centres outside the four cities. Continuing, Mr. Harris said that whatever was done must be done with due regard to the economic situation and the obvious limitation surrounding the operations of a broadcast service in a country such as this with its comparatively small population, nominal license fee, and peculiar topographical conditions. The greatest care must be exercised in the development of the service in order to avoid the imprudent

adoption of temporary expediences which might burden the service with a legacy prejudicial to its efficient social and economic functions.

## Economic and Social Factor.

THERE was no doubt, said Mr. Harris, that radio broadcasting was now widely recognised as one of the greatest economic and social factors of the age. It provided a service of infinite variety of virtually universal use and benefit, and it was peculiar in that the greater the patronage of the community the greater became the service to the individual without any increase in cost. During the past year, with an increase of 7 per cent. in licenses, the company had been able to increase its hours of service by 16 per cent. as compared with the previous year. This was made possible by the fact that once the necessary broadcasting facilities and staff organizations had been provided for, the bulk of the revenue accruing from increased licenses goes towards further improvement of the services.

In further reference to this aspect of the question, Mr. Harris said that the broadcast service, like any other enterprise, must, in the interests of all concerned, be conducted on sound business lines. Depending on popular patronage, the interests of listeners must always remain paramount. So long as those interests were served in a measure commensurate with the income, so long would

this be the case. In this connection, it must always be remembered that the broadcast service, to be self-supporting, must be universal in its appeal. It must be a service for all, and this being so, minority interests, as well as the interests of the majority, would receive equitable consideration. Were an attempt made to favour any particular class or faction, the service would lose its universal appeal, and in the ultimate result the position would be reached when it would be questionable whether any particular section could be efficiently served.

## Social Value of Radio.

MR. HARRIS said he had no hesitation in stating that every possible endeavour was being made to cater for every section of the community, without discrimination or favouritism. The company did not undertake to provide for all tastes at one time, but if any class, or even any individual for that matter, felt that it or his particular requirements were not receiving due consideration at some time or other the company cordially invited direct communication of any such complaint. While he could not undertake that every request would be complied with, he could assure listeners that full and sincere consideration would be given to each and everyone.

In conclusion, Mr. Harris stressed the social value of radio in the homes of the people, and more particularly in country homes. The ramifications of the radio service embraced practically every phase of human activity, religious, social, intellectual and industrial. It brought into the home, no matter how remote, a diversity of interests that could not but help widen the individual outlook, create a better understanding between all classes, and a keener interest in national affairs.



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Take a peek into the "engine room," and you'll see why. No less than NINE tubes, including rectifier, are there at work—two of them the giant new 245's, as full of power

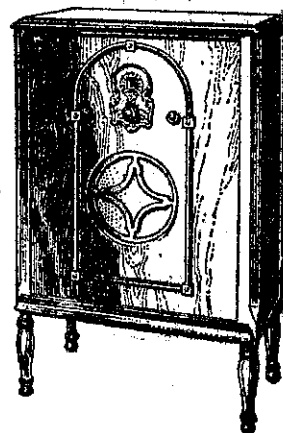
as a Diesel engine. Tuning is accomplished with the new Selectaphase system under the Technidyne circuit—amplification by the latest push-pull system.

You'll be as delighted with the "Navigator's" price as with its performance and appearance. The trim lowboy console pictured herewith costs no more than similar receivers with eight valves, but the Dayton has one extra valve at no greater cost. Table models also procurable with the same powerful Chassis as Model 9960.

Three large shipments have already been distributed in New Zealand, and the demand is fastly increasing, because Dayton challenge any make for reliability, power, tone and value.

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# A-C DAYTON

## RADIO

*"for the man who believes his own ears"*

The following is the programme for the opening of the "All Electric" Exhibition to be broadcast by 2YA:—

2.30 p.m.: Afternoon programme by the Wellington Municipal Tramways Band. March, "The Great Little Army" (Alford); fox-trot, "Yearning" (Davis and Burke); dance, "Hungarian Dance No. 1" (Brahms); march, "One of the Best" (Rimmer).

3.45 p.m.: Appliance demonstration from stage (15 minutes). Overture, "Lustspiel" (Keler Bela); waltz, "Sunset on the St. Lawrence" (Heller); intermezzo, "The Way to the Heart" (Lincke); march, "Twentieth Century" (Ord Hume).

7.45 p.m.: Opening ceremony. Speakers: His Worship the Mayor (Mr. G. A. Troup), Mr. J. M. Fleming (President N.Z. Electrical Federation).

8.1 p.m.: Evening session. (Official accompanist, Mr. James Haydock). March (the band), "B.B. and C.F." (Hume); intermezzo, "In a Persian Market" (Ketelby); soprano, Miss Nora Gray, "Bird Songs at Eventide" (Coates); dance (the band), "Hungarian Dance No. 2" (Brahms); violin solo, Mr. William Haydock, "Caprice Viennois" (Kreisler); baritone, Mr. Ernest Short, "Yeoman of England" (German); tenor, Mr. Herbert F. Wood, "Serenata" (Toselli); waltz (the band), "Senta Waltz" (Raymond).

9 p.m.: Appliance demonstration from stage (30 minutes). Patrol (the band), "Jungle Drums" (Ketelby); soprano, Miss Nora Gray, (a) "The Cuckoo Clock" (Grant-Schaefer), (b) "Lindy Lou" (Strickland); march (the band), "One of the Best" (Rimmer); baritone, Mr. Ernest Short, "How's My Boy" (Homer); grand selection (the band), "Maritana" (Wallace); march (the band), "Victor's Return" (Rimmer); selected items (the band).

BY special arrangement 2YA will broadcast the concerts arranged in connection with the All-Electric Exhibition held in the Town Hall, Wellington.

The Wellington Municipal Tramways Band, under the conductorship of Mr. E. Franklin, will provide a programme each evening assisted by leading local artists.

An afternoon session will be provided by Mr. James Haydock's Quintet. This brilliant combination of solo artists will play a varied programme of music to suit all tastes. The numbers

will embrace grand opera, the latest popular successes and jazz, altogether a real musical treat. The evening programmes will include a selection of numbers with which this popular band has made itself famous.

The following artists will assist:— Mr. William Haydock, the Dominion's foremost violinist. The only artist in the Empire to hold the silver

Mr. William Boardman, a well-known bass, was also featured by 2YK. His work is well known all over the Dominion. His duets in conjunction with Miss Myra Sawyer are most popular.

Mr. Ernest Short, a baritone of outstanding ability. He was specially engaged to sing at Dunedin during the exhibition period and achieved remarkable success. His name is associated



Selectra Radio Ltd's stand at the Auckland Exhibition.

—C. M. Walls, Ltd., photo.

and the bronze medals of the College of Violinists, London. Mr. Haydock was a pupil of that famous virtuoso, Dr. Brodsky, late principal, Royal Manchester College of Music.

Mr. Herbert F. Wood, the ever-popular tenor soloist, who was one of the first artists to sing by wireless in Australia or New Zealand. "Tony" Wood (as he is familiarly known) has sung in almost every leading theatre throughout New Zealand and Australia. An audience demands more of him than any artist appearing before the footlights.

Miss Nora Gray needs no introduction. As one of the first artists to appear at 2YK she became popular with that small band of early listeners. But for the public demand, Miss Gray would specialise in classical songs.

Mr. Dan Foley, a very popular tenor, whose appearance during the winter Sunday concerts created instantaneous applause. Mr. Foley will be heard in "My Irish Song of Songs" and "The Mountains of Mourne."

Miss Myra Sawyer, one of Wellington's most popular sopranos, is in great demand by country musical societies. Miss Sawyer, who was a pupil of Mr. Temple White, achieved popularity in the infancy of radio at station 2YK.

with most musical events throughout the Dominion.

Miss Hilda Chudley is the possessor of a remarkably pure contralto voice, and a most winning stage personality. Among other numbers she will be heard in "Four by the Clock" and her voice combined with her artistic rendering will ensure listeners a musical treat. As a special request Miss Chudley will render the Negro Spiritual, "I Got a Robe."

Mr. W. W. Marshall, the popular bass of the Melodie Four, will be heard in "Laugh, Clown, Laugh," and "The Floral Dance." There can be no question regarding the popularity of this artist, who has endeared himself to Wellington audiences.

Mr. Frank Moran, late of the "Diggers" Company will furnish the lighter side of the programme. During the winter concerts he captivated his audiences, and his popularity is firmly established.

The official accompanist is Mr. James Haydock, whose name is already well known to music-lovers.

#### WANTED AND FOR SALE.

For column of casual advertisements see page 32.

## Radio News

THERE appears to be two varieties of listeners' strike, one of which consists in the refusal to pay license fees. An affair of this kind was just broken out at Innsbruck, Austria, where listeners have decided to "sit" on their cheque-books until the local station transmits on a larger and better power. The other kind of listeners' strike occurred in America about two years ago when a whole street in one of the Western towns objected to certain broadcast items and refused to listen to them. This may sound rather futile and childish, but as there are no license fees, how otherwise can they protest in America?

ANOTHER example of the immense service radio renders to humanity in preventing loss of life is afforded by a somewhat unusual experience encountered by the seaplane City of Athens during a flight from England to India recently. While flying across the Mediterranean the pilot sighted a water-logged ship with only the masts and sails visible above water. After circling round the wreck to make certain that no survivors remained, he immediately wirelessly the position of the derelict to Athens. Within twenty minutes Athens broadcast a warning to all shipping in the vicinity of the danger reported.

GREAT interest was shown by the American public in the outboard boat race which recently took place over a 130-mile course on the Hudson River. In order to supply a full running description of the race to listeners in an aeroplane, which was equipped with a short-wave transmitter, followed the boats down the river and broadcast a running commentary on the race. The short-wave signals were received by station WRNY, New York, which rebroadcast them on the regular wavelength. This is the first time that such a method has been tried, and the results were so gratifying that in future all important boat races in America will be reported in this manner.

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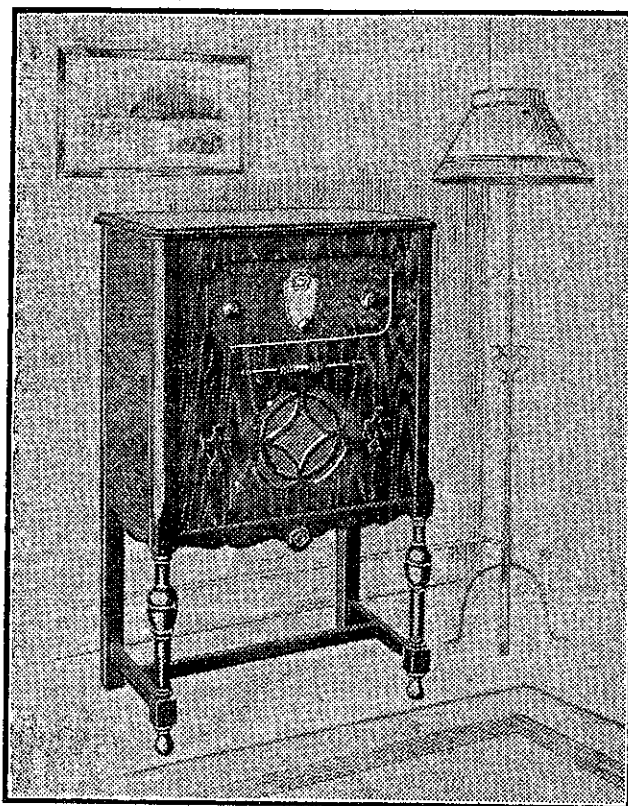


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**A** NEW and better Receiver, that fulfils every expectation in beauty, performance, or convenience. No other radio can offer you the combined advantages that are found in this new "ULTIMATE"—all-wave, all-electric, screen-grid—three features that place it in a class of its own.

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Taihape; E. O. Pulleyn, Tauramunui & Raetihi; Anchor's Radio House, Hamilton; F. S. Pearson, Waihou, Te Aroha; J. A. Malcolm, Huntly; C. J. Fleming, Taneatua and Hinuera; Morris & Goukrodger, Dargaville; W. A. Wilton, Mangonui; I. J. H. Snelgar, Kaitia; McCabes Radio, Auckland; Superadio Ltd., Auckland; Turnbull & Jones, Auckland.

## Radio and Wars of the Future

### A Powerful Preventive

THE invention of radio is probably one of the most powerful preventives of war now operating in the world to-day. Unfortunately its influence in this sphere is at present largely unrealised, but when it is, and it certainly will be in the near future, international action will probably be taken to foster and develop the enormous potential possibilities which broadcasting undoubtedly possesses as a factor for the maintenance of a permanent and world-wide peace. Nevertheless, for the time being at least, the possibility of a future war cannot be ignored, and it is interesting to speculate what would be the effect of such an event upon broadcasting. A summary of an imaginative article by Stephen King-Hall on this subject (published by "Radio Times") appears below.

The last war, and, one might add, the last ten years of peace, proved conclusively that the weapon of propaganda has become a most subtle, deadly, and far-reaching instrument of national policy, and with the net of popular education spreading its meshes over an area of ever-increasing dimensions, a belligerent Ministry of Propaganda, suitably camouflaged under some respectable title such as Bureau of Information, will be a key Ministry.

In that Ministry the national broadcasting organisations will occupy many floors. Expert broadcasters, men of persuasive voices, artful talk-writers, will not be allowed to risk their bodies in the fighting lines; the nation will need their voices at the microphone.

The air forces of the belligerents will naturally make every attempt to seek out and bomb the enemy broadcasting centres, which, however, will probably be located underground in anticipation of such an invasion.

In the late war, if broadcasting had existed, it is certain that Dutch loudspeakers would have transmitted many talks spoken in Dutch into British and German microphones. In order to gain the neutral ear, it will be necessary to sugar the pill, and a first-class orchestral concert may be the framework which will enshrine a passionate statement of war propaganda, artfully interpolated into the intervals between items on the programme.

The best way of gaining access to the enemy loudspeakers will be by broadcasting news which the enemy Government is trying to suppress. Each belligerent will probably broadcast in the appropriate language a daily bulletin for the express benefit of the enemy public, and if it is accurate (though it will of course be confined to bad news), it will be sure of attention, even if the listeners curse as they listen to its chilling tale. They may curse it, but the average listener will curse still more the patriot who oscillates in order to upset the enemy news, for in war people yearn passionately for the truth since they know their own Government will never tell all the truth. It is for this reason that in wartime fantastic rumours gain credence.

The importance of broadcasting from a military point of view will be particularly great in those critical moments just previous to the outbreak of war, when a Government, having decided that hostilities are unavoidable, finds it essential to rally public opinion to the support of its policy. For this purpose, as soon as war broke out, the State would assume complete control of the nation's broadcasting system.

A Government at war would use broadcasting chiefly for three purposes. Firstly, to hearten and inform its own people; secondly, to influence neutrals; thirdly, to discourage the enemy.

The first use is obvious, and will consist of broadcasting favourable news, important public announcements, and appeals. Government loudspeakers will probably be established outside every village post office and in public places. Though it is almost certain that in a future great war there will eventually be no neutrals, they will only be dragged into the inferno after a certain interval, partly as a result of economic pressure and partly by propaganda. Broadcasting will play its part in this business, and special talks, appeals, threats, and menaces will be sent out in many languages.

Portable sets will be common amongst the fighting forces, and men in gas-infected, shell-torn, and ravaged areas, burrowing in the ground to escape the death that flies and the death that crawls mechanically, will hear through their loudspeakers sounds of the life of civilisation they once knew, and to which they hope one day to return. It is unlikely that there will be running commentaries upon battles, for this would give useful intelligence to the enemy, but on special occasions the commanders-in-chief may broadcast heartening talks.

A peculiarly unpleasant consequence of broadcasting in war will be the possibility of listening to great religious services appealing for victory being simultaneously conducted from several national cathedrals. In the late war we could, had broadcasting been in use, have listened to an English and a German Archbishop both expounding the essential righteousness of their national cause. One may be thankful there are no loudspeakers in Heaven, for hell is the spiritual home of war.

# Exide BATTERIES

MEAN DEPENDABILITY.

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EXIDE SERVICE STATION

79 Kent Terrace, WELLINGTON



WHEN the Mauretania left England recently for her trans-Atlantic voyage to America, the B.B.C. broadcast from Southampton docks a description of the activities preceding her departure. The most dramatic moment of this "surprise item" for listeners, was the huge liner's own farewell, which consisted of three blasts blown on the ship's siren. A listener, in writing to an English periodical, states: "About fifteen seconds after hearing the three blasts from the Mauretania, we heard the original illustration of the slowness of sound waves when compared with the lightning-like speed at which radio waves travel.

THE thunderous roar of Niagara Falls, together with a description of the world's greatest "Festival of Lights," was broadcast recently by a network of stations extending from coast to coast of the United States. Microphones, placed in the Cave of the Winds and on the Falls View Bridge above the Niagara Gorge, picked up the noise of the falls, and relayed a description of the scene. One announcer was situated on the bridge, and he vividly described the spectacle which was brilliantly illuminated by billion candle-power searchlight, aerial bombs, and electrically-lighted aeroplanes. Another announcer, situated in the Cave of Winds, beneath the actual waterfall, broadcast a description of the deafening roar of the torrent, which could be heard as it plunged over the cliff.

EARLY in June of this year, an aeroplane equipped with a drag-line succeeded in picking up a bag of mail from a specially constructed pick-up platform on the deck of the s.s. Leviathan, while she was still some days out from port. It is planned to develop this service so that liners may be met some 500 miles or more from the coast, thus saving more than a day in the schedule of trans-Atlantic mail. This project is particularly interesting to radio enthusiasts, because without radio it would be impossible. The liner must first report her position—by radio. The plane must set its course for the point of meeting—by radio. On closer approach, radio direction-finding plays its part; and finally, communication maintained by means of radio.

IT is stated that the one official language to be used at the World Radio Conference to be held at The Hague shortly will be French. This has aroused protests, especially from America, as it is not easy to find men who combine the understanding of wireless technicalities with a fluent command of the French language. It has been suggested that use might be made of the system of translation used at the Geneva Conferences. Delegates are provided with head telephones, connected with sundry microphones, into which experts translate the speeches, sentence by sentence as they are delivered, into the required languages. The difficulty, however, of finding ready translators with the necessary technical knowledge of the intricate problems connected with radio, would still remain.

WHEN sound effects are required for the microphone, in nine cases out of ten nothing is less satisfactory than the real thing. With most loud noises



the genuine reproduction is far too loud, and "blasts" horribly. Synthetic railway trains, motor-cars, and so on are far more effective than the real article. In a recent "talkie" film it was found that the friction of silk stockings worn by a knock-kneed actress made a crackling sound which spoilt the reproduction! Riflefire or explosions of any kind present great difficulties to effects experts. The gunfire at Zeebrugge, in the St. George's Day programme at Home, nearly blew up the London transmitter, to say nothing of the damage done to the ear-drums of unfortunate listeners who were wearing headphones at the time.

MARQUIS MARCONI recently stated that television is not a practical impossibility, and that very shortly world-wide services would probably be established. He said in addition that the relation between television and films will be similar to that which exists between wireless and the gramophone. He is of the opinion that the future will undoubtedly bring greater and greater developments in wireless, and that many at present unknown departments of this branch of knowledge will be disclosed.

THE captain of the White Star liner Ionic, which recently berthed at Southampton after her long voyage from New Zealand, reported that on August 31 he received a wireless message from the master of the French steamer Germaine, asking urgently for surgical assistance. The Ionic was immediately headed towards the position indicated, and fell in with the Germaine that evening. The Ionic's surgeon boarded the French ship, where he found a member of the crew suffering from a deep ragged wound in his right hand, caused by an explosion. After the doctor had controlled the haemorrhage and dressed the wound, the Ionic proceeded on her interrupted voyage.

A CLEVER ruse which was successfully accomplished with the aid of radio during the late war was probably instrumental in protecting Fiji from German invasion. From information received it was known that the German warships Scharnhorst and Gneisenau were in the South Pacific with warlike intent, and were making for Fiji, which was completely undefended except for a handful of men armed with rifles and machine-guns. So the Governor hit on a novel idea, and despatched the following message from the Suva morse station: "To the Admiral of H.M.A.S. Australia. Will you dine with me this evening?—Governor of Fiji." This gave the impression that the Australia was within a few hours' steaming from Fiji, whereas at that

time she was over 2500 miles away! The message was sent out three or four times, and of course, was not coded. The Germans never came.

A REPORTED proposal of the Soviet Government to erect a super-power broadcasting station at Moscow to transmit programmes in German, French, and Esperanto, has aroused acute discussion in certain French papers. The station, it appears, will be intended to "educate" Europe in the principles of Communism. The French Press declares that the project raises "a most important problem of international law—the right of a nation to broadcast in a language other than that spoken by its subjects." It is urged that the matter should be studied by European Governments and by the League of Nations without delay.

THE complete analysis of a world-wide study of thunderstorms shows that on an average there are in progress at any one moment about 1800 thunderstorms in different parts of the world. In association with these storms it is estimated that lightning flashes occur at an average rate of 100 per second. When regarded on this basis, it is quite possible to attribute all the numerous atmospherics heard on a wireless receiver to lightning flashes. Much research work is being carried on at present in an attempt to perfect a static eliminator, but as yet

no noticeable degree of success has been attained. It is quite probable that no satisfactory preventative of this annoyance will ever be invented, and atmospherics, like the poor, will always be with us.

ONE of the largest loudspeakers in the world is housed in the Science Museum at Kensington in London. The horn of the speaker is nine yards long, and is built on the lines of one which the designer constructed for his own private use. He installed this gigantic effort on the roof of his house, mouth downwards, and the sounds pass through a grating in the ceiling to the room below. It is reported to give remarkable purity of tone, and it is to be sincerely hoped it does. Otherwise, somebody must be horribly disappointed!

THE remarkable progress that has been made in the transmission by wireless of still pictures was demonstrated recently by the transmission from Sydney to England of the photographs of Mr. Ramsay MacDonald, Prime Minister of England, and Mr. E. T. Fisk, managing director of A.W.A. Limited. The Fultograph system was utilised, and the results were very satisfactory. This transmission, which took place from the short-wave station 2ME, Sydney, was the first of its kind in Australia. Nevertheless the distance was the greatest over which still pictures have ever been transmitted.

A NUMBER of English hotels have now installed coin-in-the-slot radio receivers for the entertainment of guests. The main receiving set, which is known as a radiomaton, is capable of efficiently operating 300 pairs of headphones, as well as four loudspeakers. Guests may now lounge in their rooms and listen-in to either the radio programme or to a relay of the hotel's dance orchestra. One penny is charged for five minutes' listening, and after this period the transmission is automatically switched off.

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# The New Zealand Radio Record

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX, 1032, WELLINGTON.

Published Weekly. Price 3d. Subscription Post Free in advance, 10s. per annum; booked 12s. 6d.

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

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, NOVEMBER 15, 1929.

## EDITORIAL NOTES.

THE Exhibition in Auckland proved, as was anticipated, a distinct success. This outcome cannot but be satisfactory to the committee responsible for the arrangements. The attendance of the public was good, without quite meeting perhaps the fullest expectations of the most optimistic, and the trade derived from that attendance was also encouraging. Not only have sales been made as a direct result from the Exhibition, but a foundation of interesting prospects built up which will certainly be consummated in more sales in the near future. The experience gained is of value to the whole trade, and is likely, we think, to lead to the establishment of a radio exhibition as a permanent feature of trade activity in the northern city. A similar success may confidently be looked for in the case of the Christchurch Exhibition, which will be a feature of Carnival Week. There, too, an active committee of the trade concerned has arrangements well in hand, and with the co-ordination and co-operation of the Radio Broadcasting Company, will stage a show interesting in every way to listener and prospect. Functions such as these definitely stimulate interest in radio, and more than that, lead to a very desirable degree of co-operation between the traders and other participants in the broadcasting service, such as the Radio Broadcasting Company and the radio newspaper Press. With a total of 50,000 licensed listeners in prospect, the future is bright for a steady expansion.

AS we write, the thoughts of the more reflective and interested listeners are becoming focused upon the rebroadcast by 5SW of the Armistice Day celebrations in London. For several years now it has been the practice of the British Broadcasting Corporation to utilise 5SW for broadcasting to the world a relay of this impressive service. In this, the most distant Dominion of all, that event, incomplete although it might be by reason of remoteness and a technique not yet perfect, has come to rank as one of the features of the broadcasting year. This is because of its intimate association with the War and the life of the whole Empire. The ceremony has a sentimental value far exceeding the actual radio significance of the event. It presents an opportunity for the linking of the overseas Dominions with the Motherland in the celebration of an event of outstanding national importance. No memories are so vital and soul-stirring as those occasioned by the celebration of Armistice Day.

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## SYDAL IS A REAL BARGAIN.

It is pretty generally admitted that all ladies are pleased with a bargain. They will leave home early to attend the opening of a sale, but, alas, they sometimes miss the bargain. Now, a sure way of getting a real bargain is to buy a jar of Sydal. It will be a blessing to the whole household.

It is an occasion when the perpetuation of the two-minute silence unites the whole Empire in a common bond. In the development of that sentiment radio plays its distinctive part; in fact, without radio the occasion would lack some part of the value that does now attach to it. With the close co-operation of all overseas broadcasting stations within range of 5SW, the atmosphere of the service before the London Cenotaph is diffused over all the British Dominions. Ere these words appear in print the occasion will have passed, but whether conditions are good or ill, the fullest effort will be made to enable New Zealand listeners to join with their brethren overseas in attending in spirit at the ceremony at the Cenotaph and paying tribute to those who fought and fell in the War, and laid the foundation for that sad but triumphant Armistice.

## Little-Known Birds

HOW many people know anything about the takahe? Very few do, yet it is a most interesting bird. It will be the subject of a talk by Mr. Alec O'Donoghue, N.Z. Inst., R.A.O.U., at 3YA on Friday, November 22. Mr. O'Donoghue, who is announcer at 3YA, has made a life study of natural history, and he proposes to give a series of talks on some of the quaint birds of New Zealand. His first lecturette will be concerning the takahe.

## "Mr. and Mrs. Uncle John"

ALL who know Uncle John, of 3YA, will be interested in the news that he recently joined the ranks of the benedicts. On the day of the wedding he and his wife greatly appreciated a telegram he received from Aunt Pat, addressed "Mr. and Mrs. Uncle John," conveying felicitations and welcoming them both to 3YA radio circles. Uncle John, as he has been known in radio circles for a year past, is in private life Mr. E. J. Ward. His bride was Miss Muriel Brewins.

## 3YA Orchestral Octet

### Next Week's Programme

THE 3YA Studio Instrumental Octet under Mr. Harold Beck has been broadcasting some very attractive programmes, but none more so than those which are scheduled for next week. Mr. Beck is, as usual, very happy in his selection of orchestral numbers.

Of special interest on Thursday evening will be the rendition of Gustav Holst's "St. Paul's Suite." This consists of:—

- I. Jig.
- II. Ostinato.
- III. Intermezzo.
- IV. Finale (The Dargason).

Two hundred and fifty years ago Purcell wrote his "Dido and Aeneas" for the pupils of a ladies' school. In 1906 Holst composed the "St. Paul's Suite" for the string orchestra at the St. Paul's School, of which he was then music master.

I. The first and last movements are typically English in their stirring rhythmic dance-like tunes. It is especially rich and varied.

II. The Ostinato is characteristic and original, noteworthy for its curious and rhythmical effect of diverse accent.

III. The Intermezzo contains a very lyrical and beautiful melody for solo violin, which is twice temporarily dispelled by a vigorous vivace, after which we return to the quiet beauty of the former melody scored for string quartet.

IV. The finale opens with a bright lilting tune for the violins, and is subsequently expounded by each instrument in turn. In the middle, note the old tune "Green Sleeves," which flows along in happy counterpoint with the opening theme. It is naturally fresh and joyous.

## Leckie, v. Donovan

### Boxing Relay from Ashburton

ON Friday, November 22, Hector Leckie is to meet Donovan in a return match at Ashburton. Donovan has had a rapid rise to prominence as a boxer, and some weeks ago was credited with a k.o. decision over Leckie.

The Dunedin boxer has a fixed conviction that he can reverse this decision, and a return match is to be staged in Ashburton, where Leckie has gathered laurels before and where he stands very high in popularity among boxing fans. A large number of enthusiasts will travel from Christchurch to witness the match.

## Melbourne Cup

### Successful Rebroadcasts

THE rebroadcast by the four New Zealand stations of the running description of the Melbourne Cup on Tuesday, November 5, was listened to by many thousands of people. Special arrangements had been made between the Broadcasting Company and Amalgamated Wireless, Ltd., for the transmission through the Sydney short-wave station 2ME of a description of the classic field event, in which several New Zealand horses ran and were placed. This description was relayed by landline from Melbourne to Sydney, and the New Zealand stations picked up and rebroadcast 2ME.

## Lectures in Art

### Series from 1YA

A NUMBER of lectures on Art are promised by 1YA. Several have already been arranged to be given this year, and others are in view for next year, when famous galleries, famous paintings and famous artists will be dealt with.

The speakers, subjects and dates of the preliminary series are as follow:—

Miss E. Melville, "Art and the Community," November 19, 1929.

Mr. A. J. C. Fisher, "Art Training," December 13, 1929.

Dr. E. B. Gunson, "Art and the Man in the Street," December 3, 1929.

Mr. J. Barr, "The Art Gallery," December 17, 1929.

Professor F. Worley, "Period Art" (historical), December 19, 1929.

### "The Birdman"

### Another "Uncle" at 3YA

THE children were asked to name him. He had stepped into the breach during the absence of "Storyman," on leave, and he had told pretty tales about birds. All the children listening-in to 3YA were greatly interested and when Aunt Pat asked them to send in a name for the new uncle there was a ready response. They had no difficulty in deciding that it was "Mr. Announcer" who had been speaking, but their suggestions as to an appropriate sobriquet varied considerably.

Of the many names sent in, "The Birdman" was considered to be the best. So in future, when Mr. Alec O'Donoghue, announcer at 3YA, takes part in the Children's Session he will be known as "The Birdman," a very appropriate title, for he has made a lifelong hobby of nature study in which birds play such an important part.

## N.Z. Radio Artist

### Distinction Abroad

MR. ALFRED WALMSLEY, who before his departure for England was a regular contributor to 4YA programmes, has won high distinction in the Old Land. He is now on tour with the Carl Rosa Opera Company. Mr. Walmsley was granted a further year's exhibition at the Royal College of Music, but, in view of his tour in opera he had to decline this honour, which he naturally greatly appreciates. Mr. Walmsley has received every encouragement and kindness from influential men connected with the Royal College, including Sir Hugh Allen, Dr. Malcolm Sargent, Sir Thos. Beecham, Mr. Dawson Frere and others. Mr. Walmsley has found his visit to London of great benefit and very full of incident, and he expects his tour with the Carl Rosa Company to be its crowning point. He is still anxious to return to New Zealand as soon as he can.

# Our Miss Gibbs

## Excerpts to be Broadcast

A VERY enjoyable evening's entertainment is in store for 2YA listeners on November 23 in the form of a broadcast of the complete incidental music of "Our Miss Gibbs." This musical comedy, which was recently produced in Wellington by the Amateur Theatrical Society, proved one of the most successful ever presented by that society.

The musical selections are to be presented by the company which originally produced the play, and as its members possess much talent, both vocal and dramatic, listeners will be ensured of a first-class programme. Notable among the personnel of this company is Miss Joyce Woodward, a talented young soprano whose interpretation of the part of "Our Miss Gibbs" in the recent production of this play evoked much favourable comment among local critics.

MARY GIBBS (Our Miss Gibbs), a rather pretty lass from Yorkshire, goes to London and obtains a position in Garrod's Stores. Her winsome ways and charms attract the attention of everyone, and she becomes a great favourite. Lord Eynsford, under the guise of a bank clerk by the name of Harry Lancaster, falls in love with Mary, who reciprocates his attentions.

Eynsford is engaged to Lady Elizabeth (Betty) Thane, but he writes to his father, the Earl of St. Ives, a self-made man, announcing that he intends breaking the engagement. Betty, brimming over for a chance of romance, is really in love with the Hon. Hughie Pierpont, an amateur crook.

He manages to rob the Earl of St. Ives of the Ascot Gold Cup, and brings the booty to London and comes to Garrod's Stores to deposit it in the Safe Deposit. While in the Stores, Slithers, a professional crook, shows Hughie a few easy ways of picking pockets. Timothy Gibbs, cousin of Mary, then arrives, looking for Mary, and Hughie endeavours to pick Tim's pocket.

Hughie hurries from the department, taking Tim's bag in mistake for his own.

MADAME JEANNE, a modiste of Garrod's, comes to the department, and Tim endeavours to win Jeanne's affections by giving her presents from Yorkshire from his bag, but on opening his bag, brings forth burglar's tools and the gold cup, whereupon Jeanne indignantly refuses to have anything to do with him. Slithers comes upon the scene and persuades Tim to put the cup in the Safe Deposit. This is done, and Slithers takes the key and Tim has the number, which is 50403. Slithers persuades Tim that one cannot get the cup without the other.

Mr. Toplad, the manager of Garrod's, who has a certain amount of affection for Jeanne, naturally resents Tim, but when he realises that he is Mary's cousin endeavours to make himself ingratiating.

Mary and Tim meet, and Mary tells of her love for the bank clerk. Tim gives his approval.

THE Duchess of Minster, the mother of Betty, hears of the attentions being paid by Eynsford (the bank clerk) to Mary and endeavours to buy off Mary's affections.

Mary, not realising that Eynsford is Harry, tells the Duchess that she means to marry a bank clerk and no other. Eynsford hearing of this is overjoyed, but when Mary finds that he is really a Lord, and not a bank clerk, she throws him over.

Mrs. Farquhar, an impecunious woman of fashion, and a friend of Mary's, is determined to bring the two together.

The first act concludes with an impassioned appeal from Eynsford to Mary to forgive the deception, but Mary is adamant, and refuses to forgive.

The scene of the first act takes place in "Garrod's Stores," London, and introduces many novelties and dances, amongst the outstanding being the "Hats" song by Jeanne and ballet; a sextet by the six "dudes," friends of Eynsford, another sextet by the six friends of Lady Betty; and numbers by Hughie, Timothy, Mary and Betty, and concludes with a finale by the whole company.

THE second act takes place in the Court of Honour in the White City Exhibition, London, and opens with fine chorus work by the whole company, and introduces three Irish Colleens, with song and dance by the ballet. The Earl of St. Ives is giving a fete in honour of his son's engagement, but finds that Eynsford will not yield.

The Earl is introduced to Mary by Mrs. Farquhar; not knowing that Mary is the girl with whom Eynsford is in love, the Earl is won by her charm. Tim is also introduced to the Earl, who tells Tim of his loss of the Gold Cup and also of what consequences would be inflicted on the thief. Tim is terror-stricken, and tries to find Slithers. In the meantime Hughie comes across Slithers, who tells him that he can procure the cup for a small sum of £500.

Hughie hands over the amount with the promise of the cup to be delivered

shortly. Tim is told by Slithers, that the bloodhounds are on the scent; and is persuaded to change into a disguise, which in one case is a bathing costume, and the crowd seeing him running, mistake him for Dorando, a runner in the marathon, and chair him as the winner. On finding out the mistake they throw him into the lake. After emerging from his ducking, he disguises himself as a bath-chair attendant, and has an escapade with the Duchess and Toplad and Jeanne.

Slithers meets Tim again, and tells him of his good fortune with the cup, and gives him half of the amount that Hughie had handed over. Tim thereupon gives the cup to the Earl.

Mary is persuaded to forgive Eynsford, and the play ends happily.

Mary has Eynsford and Lady Betty has Hughie, much to the chagrin of the Duchess, but to the joy of everyone else concerned.

## A Super Eliminator

### Specifications and Description to Appear Shortly

AT an early date "Megohm" will describe a complete 400-500 volt eliminator which has been specially designed for New Zealand radio constructors. Used in conjunction with A.C. valves, it is really an ABC power pack, and will run the largest A.C. set that any reader is likely to build, with 250's or similar valves in push-pull in the last audio stage. This may sound rather formidable to those whose aspirations are not at present quite so high, but the eliminator may be just as profitably constructed to run a smaller outfit than that mentioned, and the means to provide current for any increase in the receiver will always be there. The eliminator will supply up to 200 miles of high-tension current, several A.C. "filament" voltages, rectifier filament current, and two or more finely variable grid-bias voltages. The whole operates practically free from hum. A complete and thoroughly helpful set of working diagrams will be an important feature of the article, whilst the general design will be found to add convenience and obviate one or two usual drawbacks in eliminator construction.

# Big Reductions

2-Valve Brownie Amplifiers, complete with Valves £3 0 0  
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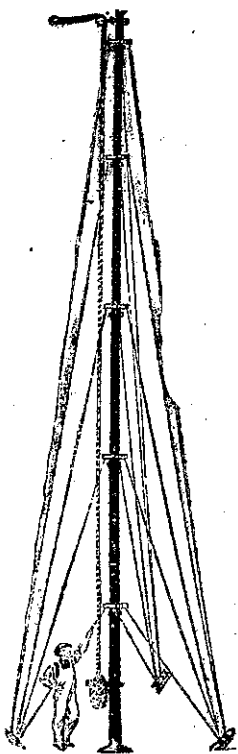
Phone 41-446.

WILLIS STREET, WELLINGTON

## World Wireless

A BIG step forward will be taken in the history of broadcasting in Canada this winter by the completion of arrangements now being made by the Canadian National Railways for the regular relaying of weekly programmes from the Atlantic to Pacific coast—a distance of 3500 miles. To make this possible, the company will use 15,000 miles of telegraph and telephone wires and will link sixteen broadcasting stations, thirteen of which, as the largest single broadcasting organisation in Canada, it owns or operates direct. This technical achievement will be accompanied by an equally notable advance in the programmes. Arrangements have been completed for the Dominion-wide broadcasting of a series of twenty-five symphony concerts.

THE Prime Minister of England's speech from Geneva recently entailed the use of 2000 miles of land line—the longest cable link ever used in a B.B.C. transmission. Forty repeater stations were involved in this relay. From Switzerland the speech was relayed to Berlin and thence to Brussels, and from there, via the Post Office line, to the La Panne-Thamet cable across to England. Although partially marred by extraneous noises, Mr. MacDonald's address is reported to have been heard at times with astonishing clarity. That this was due, as one newspaper put it, to the fact that "the overruling voice of the Premier triumphed over the handicap of the forces of nature" is hardly fair to the engineers.



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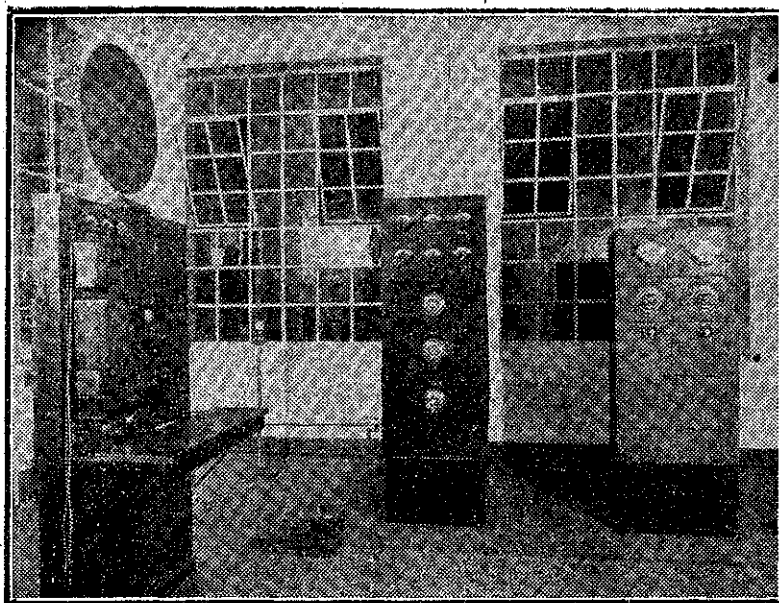
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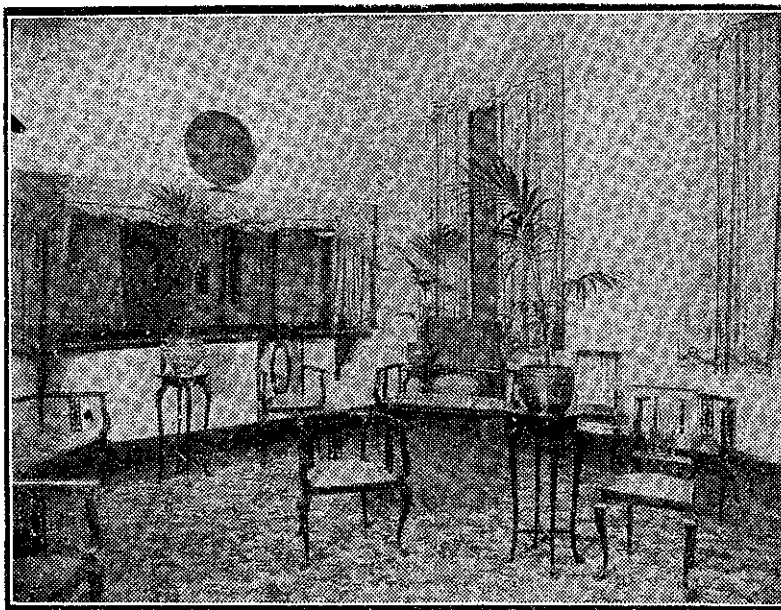
**Domestic Radio Co.**

300 QUEEN STREET, AUCKLAND.

## Further Views of the New 4YA



A view of a portion of the up-to-date transmitting plant recently installed at 4YA, Dunedin.



One of the well-appointed lounges at the new 4YA. It will be noticed that this corner bears a similarity to the one at 2YA.

### RADIO LISTENERS' GUIDE—1929-30

A comprehensive yet elementary treatment of Radio, written for both Beginner and Experienced Constructor.

Radio in New Zealand;  
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## Notes and Comments

A BRIGHT-EYED little newspaper boy who was selling his papers outside the studios of 4QG, Brisbane, recently, was invited by one of the staff to try his voice in a song before the microphone during the kiddies' session. The boy sang exquisitely with a charming boy soprano voice, and as a reward he was presented with ten shillings. The boy invested half of the money in a "Golden Casket" ticket and won the second prize of £1000!

A SYDNEY listener, R. J. O'Regan, of Rose Bay, writes to the Sydney Press complaining about the new wavelength of 6WF, Perth. He says: I think "the power" that fixed on 435 metres does not live in Sydney. Except on a superheterodyne, no one around this city can receive the West Australian station while 2FC is on the air. After 2FC closes down, Perth can be heard distinctly. My humble suggestion is: That 6WF be put on a wavelength almost identical with 2YA, Wellington. Since there are three and a half hours' difference in time between West Australia and New Zealand (four hours in summer), there is very little likelihood of interference between the two stations. Some such arrangement as I suggest will make the A.B.C. truly a national service.

MR. VINCENT ASPEY, described as a "young New Zealander who came to Sydney to study under Mr. Gerald Walenn, of the Conservatorium," has been playing classical violin numbers at 2BL, Sydney. On a recent Wednesday evening his items comprised "Andante and Allegro," from "Concerto" (Vivaldi-Kreisler), "Larghetto" (Weber-Kreisler), "Moment Musical" (Schubert), and "Ave Maria" (Schubert).

"SWITCH" has always held that a ringside announcer's function is to describe what is happening without permitting his own feelings to obtrude. Listeners, generally, have no time for these ringside announcers who give vent to such exclamations as "Ah, what do you think of that!" "Will he do it?" "Well, I'm blessed!" and so on. Some of the Australian announcers flagrantly work up a pseudo excitement over boxing, wrestling, or dirt-track motorcycle racing in order to endeavour to convince radio listeners how very thrilling it all is, but the average listener is merely annoyed by this sort of "flam," and recognises it as an advertising artifice.

MR. BYRON BROWN, the energetic and enterprising president of the Wellington Radio Society, who is on a visit to Sydney, has been speaking from the Theosophical station, 2GB, Sydney. His subjects were, "Did Shakespeare Write Shakespeare?" and "New Zealand." He will also go on the air shortly at 2FC, Sydney, to describe "A New Zealander's Impressions of the Beauties of Sydney." Mr. Byron Brown will be affectionately remembered by countless kiddies as "Uncle Sandy" of the children's sessions at 2YA, Wellington, some time back. He knows his Shakespeare, is a great admirer of the bard, and scoffs at the Baconian theory, though eminent "Yankees" would have us believe that Bacon wrote Shakespeare's plays.



## AT 1YA.

**TUESDAY, NOVEMBER 19.**—Uncle George with us again for the Happy Hour. Cousin Edna, a new cousin, playing the piano, and lots of fun all round.

**WEDNESDAY.**—Stories, songs, and birthday greetings from Uncle Tom, and cheery items from cousins.

**THURSDAY.**—Thursday brings Peter Pan with catches, stories and jokes, Cousin Moya with her violin, and Pat reciting.

**FRIDAY.**—Nod and Aunt Jean with us this evening, providing a jolly hour, assisted by cousins with dialogues and piano solos.

**SATURDAY.**—What do you think is happening this evening? Mrs. Culford Bell is bringing several cousins to the studio and they are giving us a playette. Cinderella, of course, will have stories and birthday greetings.

**SUNDAY.**—Children's song service, conducted by Uncle Leo, assisted by cousins from St. David's Sunday School.

## AT 2YA.

**MONDAY, NOVEMBER 18.**

The Petone Central School Choir are coming to give Radio Land a treat with their singing. They will be conducted by Mr. G. Simpson. Uncle Jeff will give listeners a new puzzle and send his cheery messages over the air.

**TUESDAY.**

The mouth-organ symphony orchestra with their merry tunes are coming. Cousin Eva will sing and there will be some new cousins—the pupils of Miss Mary Lennie, also Uncle Jim.

**THURSDAY.**

Three little people will sing, recite and play to entertain all the little cousins of Radioland. They will sing not only in English but also in Welsh. Uncle George will send out birthday greetings.

**FRIDAY.**

Pupils of Mrs. Percy Woods, and Brother Jack with Robinson tonight.

**SATURDAY.**

A cheery band of Boy Scouts will be waiting in the Studio at 3 o'clock to give band music, recitations, mouth-organ solos and songs. And then there will be

# Children's Sessions

## For the Children

### Verses from 1YA

THE following verses, sung from the model studio at the Auckland Radio Exhibition during the children's session last Friday, will be of interest to the younger generation. They were composed by Aunt Jean.

*Hullo! Big radio family,  
To-night we're quite on show  
At the Radio Exhibition  
In the big Town Hall, you know.*

*Now in case there are some listening  
Who information seek,  
Perhaps I'd better sing about  
The ones you'll meet each week.*

*Well! On Tuesday night we've Uncle  
George,  
Who makes all hearts rejoice;  
He is, you know, quite famous  
For his lovely big bass voice.*

*And if you listen on Wednesday night  
Dear Uncle Tom you'll hear,  
He's always got some good advice,  
And loads of right good cheer.*

*Thursday night is Peter Pat's,  
And Cinderella's, too.  
If you want to know how wars begin,  
Well, listen to these two.*

*And this is Friday night, of course,  
So here we may be seen,  
Everybody knows you, Nod  
And here you see Aunt Jean.*

*On Saturday, all on her own  
Is Cinderella sweet,  
So don't miss the children's sessions,  
For they're really quite a treat.*

*And the Children's Sunday service  
Stands out above the rest,  
For Uncle Leo has a knack  
Of bringing out the best.*

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

Uncle Toby and Aunt Gwen as usual with many things to talk of.

**SUNDAY.**  
The Children's Song Service will be conducted by Uncle George, assisted by the Lyall Bay Baptist Sunday School Choir, under Mr. W. G. Kairn.

## AT 3YA.

**MONDAY, NOVEMBER 18.**—Here we have one of our special little nights with Scatterjoy—and to-night she



MRS. NAIRN LE PETIT,  
"Aunt Jean," who is very popular  
with a host of children at 1YA.  
—S. P. Andrew, photo.

will tell you the story of "Light"—from the torch and flare lights and tallow candles, up to the wonderful modern electricity. Songs by Kathleen, and music by Gwen.

**WEDNESDAY.**—Mother Hubbard and Uncle Frank, with some new folk songs with little choruses to teach you all.

**THURSDAY.**—Glad to welcome Uncle John back after his holiday, and the choir boys from Dunelm School providing us with a splendid programme of songs, choruses and solos.

**FRIDAY.**—Oh, Birdman's here with stories of his experiences with his bird pets, and interesting enough they are. Cousins Norma, Joan and Molly all helping.

**SATURDAY.**—Off we go to the Coal Mines of the West Coast, with Peterkin, Desmond and Derek, and Alice and Aunt Pat. Just a "pretend" really, but none the less entertaining. So listen-in—and imagine you are there, too.

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

### Acknowledgment

THE Port Nicholson Silver Band desire to acknowledge receipt of an anonymous donation to its funds.

## World Radio

A BEAM wireless station is shortly to be erected in the new Vatican City, and on special occasions the Pope himself will broadcast to the world. The Roman Catholic community is taking a great deal of interest in this new departure, especially as the range of the station will be world wide. The installation will embody the latest improvements in wireless design and construction, and it is receiving the personal supervision of the Marchese Marconi. Communication will be carried out both by telegraphy and by short-wave telephony.

IT has been reported recently that, by the adaption of wireless to an old-trick, a gang of swindlers in Berlin have been defrauding German bookmakers to the extent of thousands of pounds. The gang had in Berlin a secret wireless station by means of which they received French racing results before they were generally available elsewhere. One of the gang was always on duty at the receiver, and, when he received the result, telephoned an accomplice who then wrote the winning numbers conspicuously on a newspaper. With this in his hand, he walked past the open door of the bookmaker's office, thus acquainting a confederate within with the result. It appears that this fraud might have gone on indefinitely had not members of the gang tried to swindle one another. This seems to contradict the old saying that "there is honour among thieves."

## A Brighter Christmas and a Happier New Year!

The Railway again offers genuine bargains for Christmas holiday travel . . . from December 13th to January 11th fares will be reduced by approximately 6/- in the £1. Return up to February 8, 1930.

For the Complete Enjoyment of Your Holiday  
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## Radio and Commercial Aviation

### Navigation by Wireless

ONE of the greatest difficulties which confronts commercial aviation of to-day is the lack of an efficient and independent means of air navigation. Though airways and airports are now being established in many countries throughout the world, and though aircraft are fast becoming more and more dependable and luxuriously equipped for the comfort and convenience of the air traveller, yet air traffic can still be disorganised when low visibility prevents the pilot from picking up his

bearings on the ground. In such circumstances the aviator is compelled to abandon all dependence on his senses and to navigate according to the information conveyed to him by his instruments.

A pilot can continue to fly safely in a fog by means of such devices as the altimeter, turn indicator and compass, but it is only with the aid of radio that he can be certain to keep on a given course and find an invisible aerodrome. For this purpose a radio beacon, which is a special kind of transmitter, is located near the landing ground of an airport. The conventional single aerial is replaced by two loop antennas, spaced at an angle to each other, and rigidly locked in a definite position.

The two loops are excited by a common high-frequency supply, but the in-

dividual aerial currents are modulated at different low-frequencies. The current in one loop is modulated by an audio-frequency of 65 cycles, and the other at 85 cycles per second. Each of the antennae emits a directional wireless beam, so that an aeroplane flying along a line equidistant between the two beams will receive two signals of equal intensity, one from each beam. Should the plane deviate from this line, which represents the direct route to the landing-ground, it receives a stronger signal from one beam than from the other.

An ingenious indicator on the instrument board of the aeroplane shows when the signals from the two beams are being received with equal intensity. The low-frequency modulation of the incoming waves causes two small reeds to vibrate. One, on the pilot's right, is tuned to 65 cycles per second, while the other on his left is tuned to 85 cycles per second. The tips of the reeds are painted white, so that when vibrating, each appears as a vertical white line. When the pilot is keeping to his correct course, the white lines are of equal length because the reeds are vibrating with the same intensity. Should the pilot deviate from his course, either accidentally or to avoid a stormy area, he is immediately made aware of the fact by the inequality of the two white lines, and is thus still able to locate his destination. The great advantage of the radio beacon system over other kinds of homing devices, such as compasses, is that if the machine is blown off its original course by side winds, the destination point can still be located. In foggy weather, however, the pilot's troubles are not ended when he has succeeded in keeping his machine in the invisible "permanent way." Sooner or later he will come to the "buffer stops" at the end of the journey, and his task is then to make a blindfold landing. He must be told, therefore, of the moment when he passes over the radio beacon. The indicator is intended to provide this information. As he flies over the beacon there is a sudden relaxing of the reeds, due to a region of zero signal strength immediately above the transmission tower, and he is able to locate the landing ground to within 100 feet.

A radio beacon system is in process of erection on the airways of the United States, and special receiving apparatus has been designed for use by pilots. This comprises a 10ft. vertical rod aerial, a small indicator unit on the instrument board weighing one pound, a 10lb. battery, and a receiving set weighing approximately 9lb. The latter may also be used to pick up radio telephone signals. The abandonment of the trailing wire aerial has been a source of relief to aviators. Not only was it a source of anxiety due to the risk of entanglement with objects on the ground, but it played strange directional tricks at night and at times when high winds prevailed. A great virtue of the vertical pole aerial is that it is non-directional.

WHILE a beacon system is excellent for marking out the airway routes it can give no help to the flyer on an independent course. Two methods of adapting radio to this navigational need are now in use. In the first, radio direction finding stations are maintained at various airports, and each aeroplane carries both a transmitting and receiving set. Upon request by the pilot, two or more of the direction finding stations determine the

direction of travel of wireless waves from the plane. Combining their determinations, they calculate the aeroplane's position and send this information by radio to the pilot.

The second method of helping the independent flyer is the rotating radio beacon. This is a radio transmitting station located at an airport which has a rotating directive aerial, causing a beam of wireless waves to sweep constantly around. A special signal indicates when the beam passes through north. A pilot listening for the beacon signal with his receiving set can determine his direction by the time which elapses between the north signal and the instant when the beam is heard with maximum intensity. The elapsed time is determined by means of a stop-watch, which can be calibrated to read direction.

The safety and reliability of commercial aviation would seem to depend entirely upon radio. Certainly any practical scheme for a trans-oceanic air service would require directional radio aid, particularly for a system such as that involving a number of seadromes moored at intervals across an ocean.

ACCORDING to a correspondent of "The Jewish Chronicle," the Seventh Day Adventists of Boston, in America, foresee a world flood in the near future. To prepare for this catastrophe, they are planning a luxurious and up-to-date Ark, which is to be fitted with radio apparatus. This latter, however, seems superfluous, for if the world flood does eventuate, with whom will the Ark exchange wireless messages?

## Do You Know?

That when a testator appoints the Public Trustee his executor he can appoint one or more advisory trustees to co-operate in the administration of his estate? A testator if he so desires can have an intimate friend, a public accountant or his family solicitor work in conjunction with the Public Trustee.

### ADVISORY TRUSTEES

This is a heading of an interesting folder just issued by the Public Trust Office. It sets out briefly the advantages of appointing advisory trustees in certain instances.

Free copies may be obtained from any Office or Agent of the Public Trustee, or post free from the Public Trustee, Wellington.

G-1

# Reputation Silver Marshall's Greatest Asset

for producing the highest grade radio parts has been maintained by them ever since their commencement in 1924, and, with the announcement of their production of an All-Electric Radio Receiver, experts throughout the world expected big things. They have surely not been disappointed in the beautifully cabinetted, 8-valve, all-electric receiver now placed upon the New Zealand market.

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Matched-Impedance Dynamic Speaker.

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Automatic Voltage Regulator, for maintaining constant voltage to set.

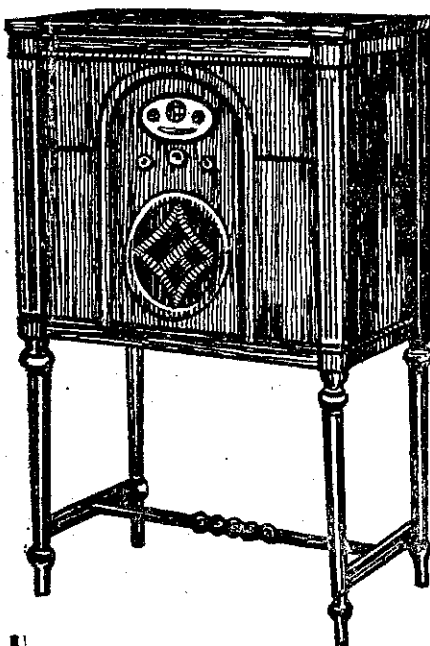
No other set can offer you the same advantages as the Silver-Marshall.

The illustration on the left shows the "Lowboy" Model in a beautiful matched wood cabinet, with an antique brass

escutcheon—a piece of furniture worthy of any drawing-room, and possessing as it does all the new inventions in radio. The Silver-Marshall "Lowboy" is an investment that will give tone to any room, and be the means of endless enjoyment at £65

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## Identification Wanted

COULD anyone assist me in the identification of a short-wave station heard on Sunday, November 3, at 8 p.m. An item, "Till We Meet Again," was heard together with the station slogan "Voice of Service." I think the call-sign was W9XF, Chicago, and the wavelength is approximately 45 metres. I would also like his address as I would like to send for verification.—C. MacFarlane (Dunedin).

[W9XF is the new short-wave international relay station of station WENR, Chicago, Illinois. Wavelength, 49.83 metres (6020 k.c.).—Ed.]

## Stations Identified

H. WALKER (Bluff), in reply to Miss Dryden's request for identification of a station she had heard, states that the unknown station or stations were the Ross Sea whaling ships. These were, however, identified by S. Ellis (Okato) in last week's D.X. club notes. Mr. Walker further adds that the C. A. Larsen broadcasts on a wavelength of 420 metres (715 k.c.); and the Sir James Clark Ross on a wavelength of 430 metres (695 k.c.).

## DX Topics

AS a result of a letter received from KDKA, Pittsburgh, I would like to state for the benefit of short-wave listeners that KDKA now broadcasts on a wavelength of 20.8 metres (14.420 k.c.). This rebroadcasts the 305.9 metre (980 k.c.) station of the same call-sign, nearly every evening from 8.00 p.m. to 12.00 p.m., Eastern standard time. They also have a special broadcast on 63 metres (4760 k.c.) for television experimenters from 5.00 p.m. to 6.00 p.m. (E.S.T.) on Monday, Wednesday and Friday.—G. B. Butterworth (Dunedin).

HAVING to-day received confirmation of reception of WTIC (WIXG) on a four-valve set, I thought a few details of that station would be of interest. Included in the collection of literature they sent re their station were four large photos and a 15-page foolscap book giving particulars of the transmitter.

"The microphones used are capable of reproducing every sound from 30 to 10,000 cycles. The transmitter is 10 miles away from the studios, situated 3000 feet above a valley, while the antenna is 500 feet away from the transmitter. The cable connecting the studios and hill weighs 150 tons, and besides containing circuits for the programmes, the cable also carries telephone and telegraph signal systems. The station is crystal controlled and varies only 20 cycles in 1,000,000, or 1-50 k.c. The radio and audio paths are first put through a 500-watt transmitter, then one of 5000 watts, and finally the 50,000 watts. Among the notable features of WTIC are the giant 100,000 watt R.C.A. vacuum tubes, two of which are used in the 50,000-watt amplifier. These tubes are capable of supplying continuously the 200,000 watts of power required instantaneous-

ly for 100 per cent. modulation, and generate enough heat in a few seconds to melt their copper jackets unless cooled by water. They are the biggest ever used. The primary power source is 2300 volts A.C. and a generator operated from this source supplies 600 amperes to light the valve filaments. The whole station can be controlled by one button, which, when pressed, works a series of relays and gradually puts the plant off the air. The whole is enclosed in copper screening, while the transmitter is totally enclosed. If any gate or door is opened the whole of the power is cut off."

These are only a few of the details contained in the book, but they may be of interest.—C.B.L. (Palmerston North).

I AM enclosing a copy of a letter received by the last Frisco mail, in reply to one I sent asking for confirmation of reception from station WTIC, Hartford, Connecticut, U.S.A. During August last I logged this station at fairly good strength, although reception was spoilt by 2KY. I wrote for confirmation of reception, and the following reply will probably be of interest to listeners, and to D.X. enthusiasts especially:—

"We are very much gratified to receive your report of the 1st ultimo respecting our broadcast. Yours is one of five letters from New Zealand which reached us in the same mail. We have not yet ceased our testing after midnight, and you may hear us again. Our regular broadcasting includes the hours from 9 a.m. to 1.30 p.m. every other day, and you ought to hear that. We enclose verification stamp and schedule of our broadcasting hours, and we are also sending you under another cover an advance copy of what we hope will eventually become a regular station souvenir. It includes a descriptive article and some photographs which we hope will give you a fair idea of the station.

"Our station is, of course, very much further away from you than any of the United States stations which you have mentioned. We are nearly 1000 miles east of Chicago. In considering the comparison of time which you mention with KNX, we are approximately 3000 miles further from you, and the actual distance in time between our station and KNX is three hours.

"We congratulate you on a very highly commendable pick-up. The air-line distance between New Plymouth and Hartford is, I think, in the neighbourhood of 9000 miles. We hope to hear from you again.—W. G. Cowles (vice-president)."

WTIC is "The Travellers' Broadcasting Service Corporation of the Travellers' Insurance Company. Power 50 k watts. Frequency 1080 k.c. Wavelength 282.8 metres. At present WTIC divides its time equally with WBAL, Baltimore.—E. H. White (New Plymouth).

# THE D.X. CLUB

## Views and News.

HAVING removed to the North Auckland district from Nelson and taken my four-valve set (screen grid) set with me, the following notes on comparative reception may be of interest to your readers. In Nelson daylight reception was good from 2YA, 1YA, and 3YA, volume in the order named: 4YA was heard occasionally; 2YA was usually cut down in volume on account of being too loud. Here 1YA is the only station heard at good loudspeaker strength; 2YA is very faint, usually until dark; 2BL was heard once at 3.30 p.m. Other N.Z. stations inaudible. Even 1YA is not reliable.

Night reception here is apparently better than in Nelson district, with the exception of 1YA, which is often weaker at night than in daylight. 2YA is excellent here at night, though in Nelson it was very poor on account of distortion. 1YA was my best in Nelson at night—here it is only worth listening to when there is no static. The

N.Z. stations here in order of clarity and volume are at present 2YA, 3YA, 2ZM, 4YA, (2FC), and 1YA. This seems rather curious, as 1YA is, of course, the nearest. The Australians, except 2FC, have been very weak so far.

With regard to Americans, I have up to now logged five—KFOK, KNX, KZGA, KGO, and GFQZ, three of which I received in Nelson. With regard to KZGA, I notice a correspondent in your issue of November 1 gives its wavelength at 332.1 metres (905 k.c.). The first time I heard it, it was about half a degree below 1YA on my dials. Of course I could not cut 1YA out, but as the latter was fading frequently that night, I heard the announcement several times from KZGA. The last time, on Sunday, October 20, KZGA was right on 1YA's length when I tuned into it at 10.5 p.m. after Wellington had closed down. It was so loud that I thought at first it was 1YA, until I realised it was a jazz tune. The announcement after the item was finished said: "KZGA, Los Angeles, testing on 900 kilocycles." So if your correspondent (Mr. A. P. Morrison) is correct, the wave-length must have been changed to 900 k.c. since he got his information.—J.B., North Auckland.

## For Sale or Exchange.

See page 48 for column of casual advertisements.

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7 tubes and  
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## Our Mailbag

### "World's Thrift Day."

It is seldom that we have any very serious complaints to make in regards to the programmes offering from the various YA stations, but this evening's output gives every true-born Scotsman something to chew over for some time to come. Is it possible that the complete staff of the Broadcasting Company are steeped in profound ignorance to what day this is? Is there not one amongst them who has a drop of North-of-the-Tweed blood in his veins? I don't know what happened during the bed-time sessions, perhaps "Cousin Dick" came to the fore, but I myself hastened home from the shearing shed with happy thoughts and anticipations of a joyous and skirling Scottish evening, yet on turning up the programmes to determine which station was most worthy of prior attention, I was thunderstruck to find the whole affair a washout, and that Dunedin of all stations in the world was having its customary night off! The fact appears to me almost incredible. Can it be possible that New Zealand is unaware that, except in the case of bank clerks, October 31 ranks in importance even before St. Andrew's Day in Scotland, in fact, according to the age of the individual, it may also take precedence before the other two great national celebrations, New Year's Day and the birthday of our Scottish bard, Mr. Burns.

No wonder that the "fizzly" devils are abroad and making merry to-night and Wellington's very fine concert is

completely wiped out at intervals up here. I trust that at least Dunedin may remember to celebrate the great harmonious annual festival of evil spirits and their brother Scots when the time for "dooking fur dipples" comes round again next Hallowe'en. I take it, however, that it is purely by coincidence on this night of open-handed Scottish generosity with their neighbours' "kail-runts," that Station 2FC announces for this date the celebration of the "World's Thrift Day!"—George Fraser (Ohura).

## Radio Telegraph Systems

THE president of the Radio Corporation of America recently announced plans for the immediate establishment of a radio-telegraph system which will serve fourteen strategic cities. This new service will enable inland cities to maintain direct communication with the wireless network which radiates from New York and San Francisco to twenty-two foreign countries. In the near future it is hoped to extend the system to include the full list of twenty-one cities contemplated in the original proposal. The establishment of this service will thus give the leading commercial and industrial centres of America a speedy and reliable means of inter-communication; but the greatest significance this project has, however, is that by its means every country in the world will be brought into close touch with practically the whole continent of America.

## The B.B.C. and Radiovision

### A Satisfactory Decision at Last

AFTER many long and weary months of bitter controversy, the British Broadcasting Company have at last granted the Baird Radiovision Company satisfactory, if not adequate, facilities for the experimental transmission of Baird radiovision.

The B.B.C.'s first offer to the Baird Co. was rejected on the grounds that three fifteen-minute periods per week outside normal broadcasting hours were insufficient. However, the Baird Co.'s pertinacity in seeking better terms has now been rewarded, for the B.B.C.'s second offer provided for five half-hour periods per week outside programme hours for radiovision transmission.

Despite the fact that these facilities now granted are still considered inadequate, it has been decided to accept these terms together with the conditions imposed, and utilise them to show the general public what radiovision is capable of as a new and interesting form of entertainment. This decision should effectively curtail the radiovision controversy, which has been raging for many months past.

As the ultimate inclusion of radiovision in broadcast programmes was inevitable, it would seem better had the B.B.C. foreseen this and acted accordingly. The total result of their hesi-

tancy has been that England, despite the fact that radiovision originated there, is now one of the most backward of countries with regard to its development.

Germany, for example, without delay, wholeheartedly attacked the problem of satisfactory radiovision broadcasts, with the result that the Baird system of transmission and reception is now an accepted form of entertainment in that country. In England, however, because of the hesitancy of the B.B.C., the general adoption of this new science is but in its infancy.

In any event, whether permission has been granted late or early, it now remains for that arbitrator of all national institutions, the public, to decide to what extent, if at all, radiovision is to be incorporated in broadcasting.

Though a definite solution to the problem appears to have been found, it is, however, extremely likely that fresh complications will arise, because the B.B.C. will be the sole interpreters of the public's verdict. They have, in granting the broadcasting concession to the Baird Company, retained the power to discontinue at any moment the privilege thus conferred; and when it is realised that even now the B.B.C. is accepting the inclusion of radiovision broadcasts with extreme reluctance, it seems possible that in the near future fresh difficulties may develop.

Have you procured your copy of

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

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- 1—SCREENED GRID VALVE for long range.
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SPEAKER (worth 42/-).

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THE news service of the new Australian Broadcasting Company's Sydney station is at present being strongly criticised. An up-country Australian listener who signs his letter "Disappointed" writes to the Sydney "Wireless Weekly":

"I have been listening in for six years, and would like to say the present programme is the worst I have heard. Except a few items now, and then, which you are compelled to listen to, or go to bed. I fully agree with Mr. Len Brown, and think the same, that if we want news we will have to go to New Zealand for it. The only reason I can see why the A.B.C. don't give us poor country listeners, who see a paper once a week, any news is that they will not spend one penny on a daily paper. I will promise the A.B.C. the following offer: That if they promise to give us every bit of news and more church services, and cut out that rubbishy jazz, I will pay for their penny paper every day in the year. If I don't get more news I won't get another license."

"SWITCH" ventures to state that the news service of the New Zealand broadcasting stations has always been incomparably superior to those of the Australian stations. Visitors from up-country frequently inform "Switch" that the news service of 2YA, Wellington, is most enthusiastically appreciated by all members and their families. Many of the visitors who call on "Switch" state that they reside in somewhat isolated areas, and if it were not for 2YA they would be two or even three days behind in the news of the world. The N.Z. Broadcasting Company are scoring heavily with their news services.

AN orchestral concert of surpassing excellence was that supplied by Mr. L. J. de Mauny's superb combination, heard from 2YA, Wellington, last week. The performance was the finest put on the air in New Zealand since the inception of broadcasting.

ANOTHER suggestion has been sent along that the Government should be approached with a view to getting the High Commissioner to arrange a short-wave broadcast from England of the Wellington carillon when it is played in Hyde Park, London, shortly. The suggestion includes a rebroadcast of the carillon by 2YA, Wellington, and if possible other New Zealand stations. The proposer of this plan says: "We have had some very creditable rebroadcasts of short-wave transmissions from England, and the results obtained would certainly justify another attempt."

NUMEROUS amateur wireless experimenters in England have informed the Australian Press Association agency in London that they have been able to listen to the experimental Anglo-Australian wireless telephony. Generally it is best between 6 and 7 a.m., when the strength is far greater than any broadcasts from Australia. Some three-valve sets apparently have had better results than the British Post Office, because they could hear Australia expressing surprise at not coming through well. Though the English amateurs hear Sydney perfectly, they cannot hear a syllable outwards from Rugby. Just another case of the "skip-distance" of short-wave transmission.

SOME time back a few of the Blue Taxicabs plying in Wellington were equipped with broadcast receiving sets attributed to freak atmospheric condi-

and loudspeakers. Reception was effected with loop aerials affixed horizontally to the hoods of the taxis. The scheme was so successful that clients after riding to their destinations in the taxis generally desired the driver to remain there while they listened-in. As no extra pay was forthcoming for the detention of the taxis, these delays became inconvenient and expensive to the taxi owners. The manager of the Blue Cabs explained to "Switch" the other days: "As an entertainment for our passengers, broadcast reception was too successful. They wouldn't let the taxis go after reaching their destinations, and it offended them if our taxis drove off while a good item was coming through from 2YA. Therefore we had to remove the receiving sets."

IN London a new scheme is being tried out with radio and taxicabs. Experiments are being made in fitting taxicabs with wireless receiving sets, not for the entertainment of passengers, but to enable a whole fleet of cabs to be controlled from a central point. Patrolling cabs can be directed to proceed to certain addresses or can be marshalled at points where an emergency service is demanded.

A. E. MARTIN (Temuka) describes "a most horrible deep frying noise coming over the air," about which he is much perturbed. There is no doubt that it is coming from outside, as when the aerial is disconnected the noise is not heard. Mr. Martin desires to know what the noise is. This is merely an electrical agitation of the ether originating possibly from a leakage over the dirt-encrusted insulator, an X-ray plant, a violet-ray outfit, a household vacuum cleaner, or any electrical equipment in the vicinity. Mr. Martin has been advised by the radio inspector, Christchurch, that the matter would receive immediate attention, but he has heard nothing further. Another letter from Mr. Martin would meet the case. The reduction in volume of 2YA, mentioned by Mr. Martin, may be due to a defective valve or it may be the increasing handicap of daylight effect incidental to the longer days.

LISTENERS have not infrequently observed that when guests are present, static, weak reception, a run-down battery or some such untoward circumstance causes disappointment. A Wellington listener was entertaining some friends recently, but when he reached for "outside" stations there was a dismaying silence. After fruitless attempts to bring in the long-distance stations with which to astonish the visitors he had to confess himself hopelessly defeated. The trouble was

tions. In the morning, however, he discovered that his aerial wire had snapped during the darkness and was lying on the ground!

NEW ZEALAND listeners who regularly tune in the Australian stations will be concerned about the proposed change in the whole broadcasting system in Australia. This has been suggested as a possibility under the new Commonwealth Labour Government. The "Sydney Morning Herald" mentions the possibility of the Government reviewing the financial conditions of the contract with the Australian Broadcasting Co., Ltd., for the supply of programmes. It says: "Until the Federal Labour caucus discusses the problem it is doubtful what line of action will be taken by the Government."

IN Sydney they have four "B" class stations "thrashing the ether simultaneously while the "A" class stations are on the air. The "Sydney

Morning Herald" says: "It would be almost impossible to purchase a crystal set in any of the regular radio shops of Sydney. Some may still be had in the suburbs, but these are mainly sets that have been taken in exchange when valve receivers were installed. The period of stagnation in licenses in the Sydney metropolitan area was generally attributed to the passing of the crystal set. Such sets were found, in the main, not to be sufficiently selective to tune out interfering stations. Many owners dismantled their aerials and declined to renew their licenses for this reason. Others discarded the crystal set in favour of the selective valve receiver."

SOME amateur builders have found that the screen-grid valve greatly broadens the tuning of their set. This is, however, largely due to the construction of the set. An authority on screen-grid valves says: "The increased magnification of the screen-grid valve causes an apparent drop in selectivity, unless care is taken to make all circuits as efficient as possible. The aerial should be loose coupled by tapping down the coil or inserting a small series condenser. Take particular care to have a good earth, as this may otherwise cause very flat tuning of the first circuit. Finally, in any difficulty with a local station the effect of dropping the plate voltage to 20 may be tried."

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# Next Week's Features

## Features from 1YA

THE broadcast on Sunday evening will be the service conducted in the Pitt Street Methodist Church by the Rev. W. Walker, to be followed by a relay from the Town Hall of the concert to be given by the Auckland Municipal Band under Mr. Christopher Smith.

"The Greek Slave" will be the feature of Tuesday evening's programme. The vocalists will be the Olympic Quartet. The instrumental music will also be mainly operatic, the players being the Studio Trio, Miss Kathleen O'Leary (pianiste) and Mr. Eric Bell (pianist). Mr. A. B. Chappell will continue his series of topical talks.

The fourth act of Puccini's opera "La Boheme" will be presented on Tuesday evening, the narrative of the opera being told by Mr. R. W. Strong.

A STUDIO concert to be given by the Auckland Salvation Army Congress Hall Band under Conductor Paice will be broadcast on Wednesday evening. A very attractive programme has been arranged. There will also be cornet solos by Bandsman Goffin—"Glory to His Name" and Handel's "Largo," the latter with band accompaniment. A band vocal octet will sing "Jesus of Nazareth." Mr. Clinton Williams will sing "The Song of the Clock," "The Little Irish Girl," and "Lady Mine." Tenor solos by Mr. Geo. Barnes will be "A Brown Bird Singing," "A Spirit Flower," and "A Dream."

A one-act play, "Eleven To-morrow," and a comedy sketch, "Fisby," will be presented by the Auckland Comedy Players on Wednesday evening.

ON Thursday evening the programme will be provided by the 1YA Orchestral Octet under Mr. Eric Waters, the Asquiths, who will give a twenty

minutes' entertainment, Miss Nina Scott (elocutioniste), and Mr. Tom Moffit (tenor). At 9.30 a dance programme will follow.

ON Friday evening Mrs. Daisy Basham will be associated with Mr. H. Barry Coney in a lecture-recital, "Indian Legends." The evening's



MISS EILEEN KIMBELL.  
A very pleasing singer, who appears at 2YA.  
—S. P. Andrew, photo.

programme will also include a half-hour's relay of a concert in the Lewis Eady Hall. Instrumentalists for the evening will comprise the Studio Trio, Miss Ina Bosworth (violiniste), and Miss Lillian Quinn (pianiste).

As a lecture recital on Friday evening Mr. Karl Atkinson will deal with "The Weird in Music."

ON Saturday evening the concert to be given by the Auckland Municipal Band will be relayed from the Town Hall.

## Features from 2YA

ON Monday evening a relay from the "All-Electric Exhibition" will be carried out. The Wellington Municipal Tramways Band, under the conductorship of Mr. E. Franklin, will provide



MR. J. E. McEWEN.  
Who has been heard of the air from 2YA.  
—S. P. Andrew, photo.

the majority of the items from the Exhibition, the band being assisted by Miss Hilda Chudley (contralto), Mr. W. Haydock (violin), and Mr. Frank Moran (comedian). During the interval at the Exhibition the 2YA Orchestra, under signor A. P. Truda, will play a movement from Tschalkovsky's "Symphonique Pathetique," and a selection from Delibes' ballet suite, "Naila." The band items will include Rachmaninoff's "Prelude," a selection from "Rose Marie," an intermezzo, "Melody d'Amour" (by Rimmer), a trombone solo from Bandsman Tallantyne, and several marches and waltzes.

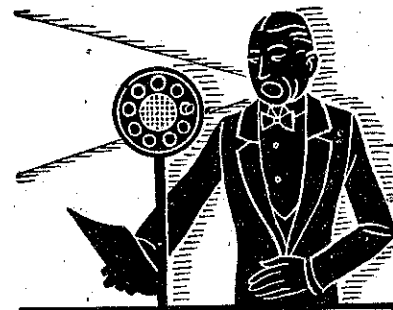
ON Tuesday evening a lecturette on "Water Heating by Electricity" will be relayed from the "All Electric Exhibition" at the Town Hall. At 7.30 the usual weekly talk to farmers by a representative of the Agricultural Department will be given.

The concert session on Tuesday evening will consist of a relay from the "All-Electric Exhibition," and items by the Salon Orchestra, under the conductorship of Mr. M. Dixon, the orchestra playing during the interval at the Town Hall. The orchestral items will be "The Dolls' House Suite" (by Engelmann), and Bendel's "Lake of Geneva." The band will play the overture "Morning, Noon and Night," Akford's "Musical Switch," a selection from "Un Ballo in Maschera," and the popular favourite, "In a Chinese Temple Garden." Bandsman J. King will play the cornet solo, "Zelda," and a novel item will be a brass quartet. The supporting

artists will be Miss Nora Gray (soprano), Mr. W. Haydock (violinist), Mr. W. W. Marshall (bass), and Mr. Dan Foley (tenor). From 10 o'clock till 11 a H.M.V. dance programme will be given.

WEDNESDAY is usually "silent day" at 2YA, but the station will go "on the air" on Wednesday evening in order that a relay of the programme being given at the "All Electric Exhibition" may be carried out. The band items comprise "Gems of Sullivan" (by Ord Hume), Schubert's "Unfinished Symphony," a selection from "Euryanthe," Ketelby's "Sanctuary of the Heart," and several marches and waltzes. Miss Myra Sawyer (soprano), Mr. W. Boardman (bass-baritone) and Mr. Wm. Haydock (violinist) will be the supporting artists on this occasion. During the concert programme a lecturette on "Domestic Lighting" will be given by Mr. C. W. Bearman.

THURSDAY evening will mark the close of the "All Electric Exhibition," and the relays from the Town Hall. At 7.24 a lecturette on "Electric Domestic Service" by Mr. H. F. Toogood will be relayed from the Town Hall, and at 7.40 Mr. F. M. Ryan will



## O Sole Mio

—is a wonderful song when the dishes have been cleared away and you are sitting by a cosy fireside—but it isn't much of a help to the housewife preparing scones and cakes for the evening meal.

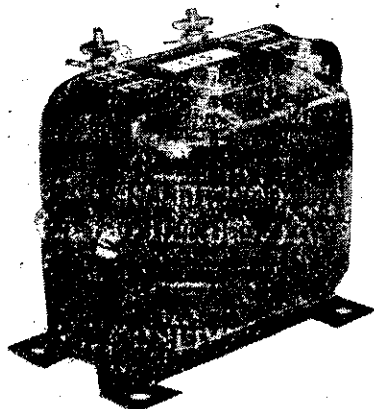
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deliver from the studio, a short talk on "Fire Protection."

**THE** band programme at the "All Electric Exhibition" will comprise the overture "Light Cavalry," a humorous, "Pop Goes the Weasel," a selection from "William Tell," marches, waltzes and a fox trot. There will also be a cornet solo by Bandsman King, a trombone solo by Bandsman Tallantye, a euphonium solo by Bandsman Claydon, and a brass quartet number. The assisting vocal artists will be Miss Hilda Chudley (contralto), Mr. Ernest Short (baritone), and the popular tenor, Mr. H. F. Wood. Mr. W. Haydock will also entertain with violin solos.

**ON** Friday evening a programme excerpts from grand and comic opera and musical comedy will be given, the instrumentalists being the 2YA Orchestra under Signor A. P. Truda. The vocalists will be Miss Millicent O'Grady, a brilliant young soprano from Auckland at present on a visit to Wellington, and one who is well-known to 1YA listeners, Mr. and Mrs. Ray Kemp (baritone and contralto respectively), and Mr. E. W. Robbins (tenor). Humorous sketches will be given by Madame Eugenie Dennis and partner.

**ON** Saturday evening listeners will be given a musical treat when the Wellington Amateur Operatic and Theatrical Society, with the assistance of 2YA Salon Orchestra under Mr. M. T. Dixon, will present the musical numbers from "Our Miss Gibbs." A synopsis of the play and the cast of characters will be found in another column.

## Features from 3YA

**RELAYS** from Ashburton will occupy Sunday evening from 7 o'clock. A concert by the Ashburton Silver Band under Mr. H. J. Osborn will follow the broadcast of the service in St. Stephen's Anglican Church.

**THE** Christchurch Municipal Band under Mr. J. Noble will provide the main portion of Monday evening's concert. A well diversified programme will be presented. Mrs. Ida St. C. Graham will sing three songs, two of them being great favourites of 30 to 40 years ago, Blumenthal's "Sunshine and Rain" and Lane's "Carmencita." She will also sing Berlin's "Always." Miss Sylvia Marshall, mezzo-soprano, a very pleasing singer who has not been heard from 3YA recently, and Mr. J. Francis Jones, always a popular

lar baritone, will be singing. A new performer will be Mr. B. H. Collett, tenor. Elocutionary numbers by Miss Ruby Boot will be "Adam" and "Little Tan Shoes."

**WEDNESDAY** evening's programme will include numerous operatic numbers. Some fine performances may be expected from the Studio Instrumental Octet under the conductorship of Mr. Harold Beck. The vocalists will be Miss Myrtle Langely, Miss Anita Graham, Mr. Harry Francis and Mr. Robert Robson. Mr. Francis is a brilliant young tenor who made his debut in radio during the Radio Exhibition. One of his songs will be "Your Tiny Hand is Frozen." "The King's Minstrel," one of the songs to be sung by Mr. Robson is one that was very popular with an older generation and is now rarely heard. Miss Mavis Ritchie, the clever young elocutionist, will recite a selection from "Romeo and Juliet," and will also give, by special request, "Good-bye, Lynette," a recitation with piano obbligato.

**ON** Thursday evening at 7.30 Mr. H. F. Baird, of the Magnetic Observatory, will give a talk on "Weather in Relation to Farming."

Miss Agnes Cunningham, A.T.C.L., L.A.B., late of Timaru, and now of Christchurch, will be a great acquisition to the ranks of 3YA singers. She is a highly cultured musician. On her first appearance at 3YA on Thursday evening she will sing three of Mallinson's songs and the now almost unknown old favourite, "The Daily Question." On Thursday evening, also, Mrs. Nora Bingham Puddey, a very popular mezzo-soprano, will also be singing. The male voices will be those of Mr. Harold Prescott and Mr. Clive Hindle. Elocutionary items will be given by Miss Marian Drysdale.

**THERE** will be a popular entertainment on Friday evening—studio concert items until 9.30, with a ring-side description of a boxing match at Ashburton to follow. Miss Nellie Lowe and Mr. T. G. Rogers, in solos and duets, will contribute to the concert programme, the duets being "I'll Sing to You" and "Till Dawn." Baritone solos by Mr. W. J. Richards will be "Joe the Gipsy," "Up from Somerset," and "Captain Mac." There will be instrumental items by the Christchurch Broadcasting Trio.

**THE** radio vaudeville on Saturday evening will again be a very attractive entertainment. Miss Nellie Billecliffe (mezzo-soprano) and Mr. W. H. Inkster (baritone) will be the singers. There will be Scottish humorous items by Mr. Bracey Wilson. The popular Chatterboxes will give another of their 20 minutes' entertainments. There will be items by the Studio Trio.

## Features from 4YA

**THE** service in Hanover Street Baptist Church will be broadcast on Sunday evening. The Rev. E. S. Tuckwell will be the preacher. Following the church service, the concert to be given by the St. Kilda Band will be broadcast.

**MADAME FLORENCE CARLSON**, of grand opera fame, has just arrived

in Dunedin and will appear at 4YA on Monday evening. She will sing two solos, "Invocation" (by Saint Saens), and the "Waltz Song" from "Romeo and Juliet." In company with Miss Louise de Reya, a brilliant soprano, two duets will be sung, "Di Conforto in Raggio" (from "La Vestale") and "La Lettera" (from "Le Nozze de Figaro").

The other vocalists who will appear on Monday evening will be Miss Gwen-da Burt and Mr. W. Harrison. A one-act play, "Kiddie," and a comedietta, "The Dream House," will be presented by Miss Anita Winkel and Major F. H. Lampen. There will be instrumental items by the Studio Trio.

**THE** Kaikorai Band will be the instrumentalists for Tuesday evening. A very attractive programme has been arranged, including two compositions by the conductor, Mr. T. J. Kirk-Burnnand, one being "Dunedin City," soprano solos by Miss R. M. Baxter, "A Heart That's Free," "Maori Slumber Song," and "Waiata Poi." Miss M. Green will sing two songs by Russell and Handel's "Caro Mio Ben." Both these artists are now to radio, but are well known in Dunedin. Mr. Les Stubbs (baritone) will sing "Song of the Rover," "One Fleeting Hour," and "The Windmill." Miss Tui Northey, who obtained many prizes at the recent Dunedin competitions, will recite "Wander Thirst," "The Beleaguerd City," and "The King's Breakfast."

**WEDNESDAY** evening's programme will be a popular entertainment consisting of male voice quartets, duets, solos, sketches, and instrumental items. The vocalists will be the Four Aces.

**THE** Celeste Quintet, a fine instrumental combination, under Mr. Roy Spackman, organist at Knox Church, will be playing on Friday evening, the numbers selected being "Rosamunde," "Norwegian Dance No. 2" (Grieg), "Agnus Dei," and "Ballet Egyptian." This will be the first performance of the quintet at 4YA. Instrumental numbers will be a feature of the evening's programme. There will be a trio, while Mr. and Mrs. Roy Spackman will play a violin and piano sonata, "Beethoven No. 2." A selection will also be played by Mrs. Spackman, pianiste. The vocal side of the programme will see the first radio performance at 4YA of Miss Smith, contralto, who was one of the soloists at the Gore concert broadcast some months ago. Other singers will be Miss Dorothy Sligo (soprano), Mr. L. E. Dalley (one of New Zealand's finest tenors), and Mr. Wm. Ruffell (baritone). Two elocutionary recitals will be given by Mr. Angus Gorrie.

Miss Lorna Smoth, who has just returned from the Continent, recently gave a recital in Dunedin, which was a great success.

**ON** Saturday evening 3YA's concert will be broadcast.

## Across the Tasman

### Impending Broadcasts

**"THE TOUCH OF SILK,"** an Australian play, which is at present enjoying a popular season at a Sydney theatre, will be broadcast from 2BL on November 13. This play, which is unique because of its Australian atmosphere, is specially adapted for broadcasting.

**TSCHAIKOVSKY'S** opera, "Eugene Onegin," will be broadcast in an abridged form from 2FC on November 13. It will be produced by Vladimir Elm, who sings the title part, and will be supported by the Studio Quintet, and a chorus of twelve.

**ONE** of the most interesting novelties ever included in a broadcast programme was the unique musical item entitled "Jack Dempsey—Just Different," which was broadcast from 2FC on November 7. Since this date the A.B.C. has been inundated with inquiries concerning the identity of Jack Dempsey, but they refuse to disclose this information. He will appear from 2FC every Thursday evening for a month, the date of his next appearance being November 14.

**AN** enjoyable programme of popular items from opera will be given from 3LO on November 16 by Jovan Massanoff and Sybil Graham, the young soprano who created such a fine impression in the recent Jewish programme from 3LO. Jovan Massanoff is well known on both sides of the world as an operatic artist of standing.

**THE** Everbright Revue Company, whose novel and breezy entertainment adds just the requisite touch of comedy to the broadcast programmes from 3LO, will again appear on November 13 from that station. They will portray "A Night at a Cabaret," and as each individual member of this company is a versatile soloist, a pleasurable evening's entertainment is anticipated.

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# Full Programmes for Next

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## Sunday, November 17

### 1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, NOVEMBER 17.

- 3.0 : Afternoon session—Selected studio items.  
 4.0 : Literary selection by the Announcer.  
 4.8 : Studio items.  
 5.0 : Children's session, conducted by Uncle Leo.  
 6.55: Relay of service from Pitt Street Methodist Church. Preacher, Rev. W. Walker. Organist, Mr. Bickerton. Choirmaster, Mr. W. Leather.  
 8.30: (approx.) Relay from Auckland Town Hall of concert by the Auckland Municipal Band, under the conductorship of Mr. Christopher Smith.  
 Close down.

### 2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, NOVEMBER 17.

- 3.0 : Town Hall chimes.  
 3.1 : Afternoon session—Selected studio items.  
 4.30: Close down.  
 6.0 : Children's song service, conducted by Uncle George.  
 7.0 : Relay of service from St. Thomas's Anglican Church, Wellington South. Preacher, Rev. C. V. Rooke, M.A. Organist and choir-master, Mr. W. Gatheridge.  
 8.15: (approx.) Studio concert by Wellington Artillery Band, under the conductorship of Captain T. Herd, and assisting artists.  
 Overture—Band, "The Golden Star" (Greenwood).  
 Soprano—Miss Nita Hopkins, "Consider and Hear Me" (Wooler).  
 Cello—Gaspar Casado, "Le Cygne" (Saint-Saens) (Columbia 03579).  
 Baritone—Mr. L. M. Assheton Harbord, (a) "O Star of Eve" ("Tannhauser") (Wagner); (b) "Obstination" (Fontenailles).  
 Flower song—Band, "Lillies at Dawn" (Beyer).  
 Contralto—Mrs. Bernard Wood, "Sapphic Ode" (Brahms).  
 Tenor—Mr. Oliver Foote, (a) "Mifanwy" (Forster); (b) "An Embrace" (Nicholls).  
 Descriptive selection—Band, "A Sunday Parade" (Hawkins).  
 Weather report.  
 Soprano—Miss Nita Hopkins, (a) "By the Sea" (Quilter); (b) "The Prayer Perfect" (Stanson).  
 Virtuoso String Quartet, "Londonderry Air" (arrgd. Bridge) (H.M.V.).  
 Baritone—Mr. L. M. Assheton Harbord, (a) "On the City Wall" (Lohr); (b) "This Passion is but an Ember" (Lohr).  
 Cornet duet—Sergt. Bowman and Bandsman Houchen, "Panorama" (Greenwood).  
 Sheffield Male Voice Choir, "The Long Day Closes" (Chorley) (Regal).  
 Contralto—Mrs. Bernard Wood, "Four by the Clock" (Mallinson).  
 Selection—Band, "Andante in G" (Battiste).  
 Tenor—Mr. Olive Foote, "Come into the Garden, Maude" (Balfe).  
 Gavotte—Band, "Loving Hearts" (Beyer).  
 March—Band, "Gardes du Corps" (Hall).  
 Close down.

### 3YA, CHRISTCHURCH (990 KILOCYCLES)—SUNDAY, NOVEMBER 17.

- 3.0 : Afternoon session—Selected studio items.  
 5.30: Children's song service (Children of Anglican Sunday Schools).  
 6.15: Hymn tunes from studio.  
 6.30: Relay from Ashburton of Service from Church of England (St. Stephen's). Preacher, Rev. A. J. Petrie; Choirmaster, Mr. J. C. Thompson.  
 7.45: Musical numbers from studio.  
 8.15: (approx.) Relay from Ashburton of concert by the Ashburton Silver Band under the conductorship of Mr. H. J. Osborne.  
 8.15: March—"B.B. and C.F." (Ord Hume).  
 Selection, "Semiramide" (Rossini).  
 Hymn, "Rock of Ages" (MS.).  
 Oriental Phantasy, "In a Chinese Temple Garden" (Ketelbey).  
 Horn solo with band accompaniment, Bandsman T. A. Miller, "Tona" (Allison).  
 March—"Dusky Dances" (Eden).  
 Close down.

### 4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, NOVEMBER 17.

- 3.0 : Town Hall chimes.  
 3.1 : Selected gramophone items.  
 5.30: Children's song service conducted by Big Brother Bill.  
 6.30: Relay of service from Hanover Street Baptist Church (Preacher, Rev. E. S. Tuckwell; Organist, Mr. Upton Harvey; Conductor, Mr. H. P. Desmoulin).  
 7.55: Weather report.  
 8.5 : Programme by the St. Kilda Band, under the conductorship of Mr. James Dixon, on relay from St. Kilda Rotunda.  
 Close down.

## Monday, November 18

### 1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, NOVEMBER 18.

SILENT DAY.

### 2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, NOVEMBER 18.

- 3.0 : Chimes of the G.P.O. clock.  
 3.1 : Relay from the All-Electric Exhibition, Town Hall, of afternoon session music by James Haydock's Quintet.  
 5.0 : Children's session, conducted by Uncle Jeff.  
 6.0 : Dinner session—"Parlophone" Hour:  
 Selection—Edith Lorand Orchestra, "La Boheme" (Puccini) (E10558).  
 Waltz—Edith Lorand Orchestra, "La Serenade" (Metra) (E10522).  
 Violin—Tossy Splwakowsky, "Turkish March" (Beethoven) (A2561).  
 6.12: Tacet.  
 6.15: Waltz—Edith Lorand Orchestra, "Venetian Barcarolle" (Leoncavallo) (E10522).  
 Instrumental—Dajos Bela Trio, (a) "Traumerei" (Schumann); (b) "Chant D'Automne" (Tchaikowsky) (E10573).  
 Cello—Gregor Piatigorsky, "The Swan" (Saint-Saens) (A2628).  
 6.28: Tacet.  
 6.30: Fantasia—Dajos Belo Orchestra, "La Traviata" (Verdi) (A4027).  
 Waltzes—Royal Music Makers, (a) "Kiss Me Again" (Herbert); (b) "Ah, Sweet Mystery of Life" (Herbert) (A2722).  
 6.44: Tacet.  
 6.45: Suite—Paris Opera Comique Orchestra, "Ballet Egyptien" (Luigini) (A2577/8).  
 6.57: Tacet.  
 7.0 : News session, market reports and sports results.  
 7.25: Relay from the All-Electric Exhibition of lecturette by Mrs. Barrington, "Cooking by Electricity."  
 7.40: Lecturette from the studio by Mr. H. C. South, "Books—Grave and Gay."  
 8.0 : Chimes of the G.P.O. clock.  
 8.1 : Relay from the All-Electric Exhibition, Town Hall: Concert by the Wellington Municipal Tramways Band and assisting artists.  
 Official accompanist, Mr. Jas. Haydock.  
 March—Band, "Stars and Stripes" (Sousa).  
 Waltz—Band, "Donau Wellen" (Ivanovici).  
 Contralto—Miss Hilda Chudley, "Four by the Clock" (Mallinson).  
 Violin solo—Mr. William Haydock, "Szardas" (Moretti).  
 Selection—Band, "Prelude" (Rachmaninoff, arrgd. Rimmer).  
 Tenor—Mr. Herbert F. Wood, "When Love Comes Stealing" (Rappe).  
 Humour—Mr. Frank Moran (The Vicar of Mirth)—"Patter Parson—ified" (Original).  
 Selection—Band, "Rose Marie" (Friml, arrgd. Ord Hume).  
 Return to studio for the following items:  
 Weather report.  
 Symphony—2YA Orchestra, under the conductorship of Signor Truda, "Symphonie Pathétique" (Tchaikowsky).  
 Soprano—Ninon Vallin, (a) "L'Heure Exquise" (Reynaldo Hahn); (b) "Si Mere Vers Avenir des Ailes" (Hahn) (Parlophone 121).  
 Sieber Choir—"The Blue Danube Waltz" (Strauss) (Parlophone).  
 Ballet music—2YA Orchestra, "Naila" (Delibes).  
 Relay from All-Electric Exhibition, Town Hall:  
 March—Band, "Soldier's Return" (Rimmer).  
 Contralto—Miss Hilda Chudley, "Sylvan" (Landon Ronald).  
 Humour—Mr. Frank Moran (The Vicar of Mirth)—"More Parson-ified Patter" (Original).  
 Intermezzo—Band, "Melodie D'Amour" (Rimmer).  
 March—Band, "Quarter Deck" (Alford).  
 10.30: Close down.

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# Week-all Stations-to Nov. 24

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## 3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, NOVEMBER 18.

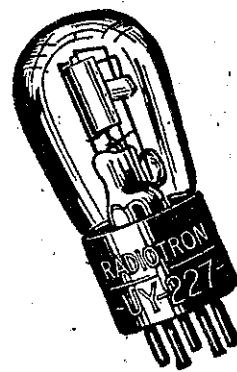
- 3.0 : Afternoon session—selected gramophone items.  
 4.25: Sports results to hand.  
 5.0 : Children's session, conducted by "Scatterjoy."  
 6.0 : Dinner Session—"His Master's Voice" Hour:  
 San Francisco Symphony Orchestra, (a) "Serenade" (Moszkowski)  
 (b) "Aubade" (Auber) (ED6).  
 Grand organ and cornet—Arnold Grier, "Softly Awakes My Heart"  
 (Saint-Saens) (A309).  
 New Light Symphony Orchestra, "Solweig's Song" (Grieg) (C1572).  
 6.12: Tacet.  
 6.15: Black Diamonds Band, "Funeral March on a Marionette" (Gounod)  
 (Zonophone 2793).  
 Violin—Yehudi Menuhin, "Allegro" (Pioceo) (DA1003).  
 Black Diamonds Band, "Punjab March" (Payne) (2793).  
 Organ—Spencer Shaw, "Simple Aven" (Thome) (Zonophone 5162).  
 6.27: Tacet.  
 6.30: Piccadilly Orchestra, "The Waltz Dream" (Strauss) (B2684).  
 Violin—Yehudi Menuhin, "La Capricciosa" (Ries) (DA1003).  
 Organ—Spencer Shaw, "Salut D'Amour" (Elgar) (Zonophone 5162).  
 6.42: Tacet.  
 6.45: National Symphony Orchestra, "Bohemian Girl" (Balfe) (A340).  
 'Cello—Fritz Kreisler, "Gypsy Caprice" (Kreisler) (DB1110).  
 National Symphony Orchestra, "Aida" selection (Verdi) (A340).  
 6.53: Tacet.  
 7.0 : News session.  
 7.15: Review of the October issue of the "N.Z. Journal of Agriculture" ar-  
 ranged by 3YA Primary Productions Committee.  
 7.30: Lecture—Mr. N. M. Bell, M.A., "Esperanto."  
 8.0: Chimes.  
 Studio programme by the Christchurch Municipal Band, under the  
 conductorship of Mr. J. Noble, and assisting artists:  
 March—Band, "The Flying Squad" (Ord Hume).  
 Prelude—Band, "Prelude in C Sharp Minor" (Rachmaninoff).  
 8.11: Baritone—Mr. J. Francis Jones, (a) "Neath the Rolling Tide" (Jude);  
 (b) "The Crown of the Year" (Martin).  
 8.17: Accordion solo—Galla Rini, "Sicily of Mine" (Tarantola) (Brunswick  
 4060).  
 8.20: Soprano—Mrs. Ida St. C. Graham, "Sunshine and Rain" (Blumenthal).  
 8.24: Hymn—Band, "Bradford."  
 8.29: Popular songs—Mr. B. H. Collett, (a) "I Hear You Calling Me" (Mar-  
 shall); (b) "My Heart's Desire" (Coningsby Clarke).  
 8.35: Chorus—Famous Forty Elks Chorus, "Sylvia" (Speaks) (Brunswick  
 4300).  
 8.38: Humorous recital—Miss Ruby Boot, "Adam" (Graham).  
 8.43: Organ with trumpet and drum—Lew White, "Sweethearts on Parade"  
 (Newman) (Brunswick 4263).  
 Organ with guitar and vibraphone—Lew White, "My Tonia" (De  
 Sylva) (Brunswick 4263).  
 8.49: Mezzo-soprano—Miss Sylvia Marshall, (a) "Love's a Merchant"  
 (Carew); (b) "Wondering Why" (Coningsby Clarke).  
 8.55: Entr'acte—Band, "The Monk's Dream" (Holmes).  
 9.0 : Weather report.  
 9.2 : Baritone—Mr. J. Francis Jones, "Sea Fever" (Coningsby Clarke).  
 9.5 : Steel guitar with ukulele and piano—David Kaili, "Hawaiian Hotel"  
 (Kaili) (Parlophone A2562).  
 Vocal with ukulele and piano—Queenie and David Kaili, "Fijian Fare-  
 well" (Merton) (Parlophone A2450).  
 9.11: Soprano—Mrs. St. C. Graham, (a) "Carmencita" (Lane); (b) "Al-  
 ways" (Berlin).  
 9.17: Selection—Band, "Giralda" (Adam).  
 9.32: Recital—Miss Ruby Boot, "Little Tan Shoes" (Sullivan).  
 9.37: Xylophone—Rudy Star Three, "Polly" (Zamecnik) (Parlophone  
 A2548).  
 9.40: Tenor—Mr. B. H. Collett, "I Passed by Your Window" (Brahe).  
 9.44: Waltz—Band, "Maid of the Mist" (Laski).  
 9.54: Mezzo-soprano—Miss Sylvia Marshall, "Alice Blue Gown" (Tierney).  
 9.58: March—Band, "Jack o' Lantern" (Rimmer).  
 10.3 : Close down.

## 4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, NOVEMBER 18.

- 3.0 : Town Hall chimes.  
 3.1 : Selected gramophone items.  
 4.25: Sports results to hand.  
 5.0 : Children's session, conducted by Uncle Allan.  
 6.0 : Dinner Session—"Columbia" Hour:  
 Milan Symphony Orchestra, "Cavalleria Rusticana—Intermezzo" (Mas-  
 magni) (02841).

- Selection—Herman Finck's Orchestra, "Schubertiana" (arrgd. Finck)  
 (02721).  
 6.12: Tacet.  
 6.15: Selection—Herman Finck's Orchestra, "Schubertiana" (arrgd. Finck)  
 (02722).  
 Marimba Orchestra—"Three O'Clock in the Morning" waltz (Robledo)  
 (02685).  
 6.27: Tacet.  
 6.30: Bayreuth Festival Orchestra, "Siegfried—Prelude Act 3" (Wagner)  
 (L2015).  
 Waltz—Eddie Thomas' Collegians, "Moments With You" (Shilkret)  
 (01135).  
 Waltz—Eddie Thomas' Collegians, "Moonlight on the Danube" (Gay)  
 (01135).  
 Wurflitzer organ—Stanley MacDonald, "La Rosita" (Dupont) (Regal  
 G20391).  
 6.43: Tacet.  
 6.45: Selection—Regal Orchestra, "Pagliacci" (Leoncavallo) (Regal  
 G80007).  
 Rio Marimba Orchestra, "My Isle of Golden Dreams" (Blaufuss),  
 (02665).  
 6.57: Tacet.  
 7.0 : News session.  
 8.0 : Town Hall chimes.  
 8.1 : Overture—Columbia Symphony Orchestra, "Maritana" (Wallace),  
 (Columbia 02682).  
 8.9 : Contralto—Miss Gwenda Burt, "Nocturne" (Jarman).  
 8.13: 4YA Broadcasting Trio, "The Daughter of the Regiment" (Donizetti).  
 8.23: Tenor—Mr. W. Harrison, (a) "The Little Girl From Hanley Way"  
 (Clarke), (b) "Sanctuary" (Hewitt).  
 8.30: Columbia Light Opera Company, (a) "The Desert Song" (Romberg);  
 (b) "French Marching Song" (from "The Desert Song") (Rom-  
 berg) (Columbia 02701).  
 8.38: Pianoforte—Mrs. Ernest Drake, "Concert Etude in D Flat Major"  
 (Liszt).  
 8.43: Vocal duet—Madame F. Carlson and Miss Louise de Reya, "Di Con-  
 forto in Raggio" ("La Vestale") (Mercandante).  
 8.48: Violin—Mr. Frank Parsons, "Caprice Viennois" (Kreisler).  
 8.54: Once-Act Play—Miss Anita Winkel and Major F. H. Lampen, "Kiddie"  
 (Twyford).  
 9.0 : Weather report.  
 9.2 : 4YA Broadcasting Trio, "Carmen" selection (Bizet).  
 9.12: Contralto—Miss Gwenda Burt, (a) "Where the Abana Flows" (Wood-  
 forde-Finden); (b) "Allah Be With Us" (Woodforde-Finden).  
 9.19: Organ—Milton Charles, "Love's Old Sweet Song" (Molloy) (01161).

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- 9.23: Tenor—Mr. W. Harrison, "Casend Hill" (Clafke).  
 9.27: Violin—Mr. Frank Parsons, (a) "Indian Lament" (Dvorak-Kreisler); (b) "Mazurka" (Bohm).  
 9.33: Mezzo-soprano—Madame Florence Carlson, "Invocation" (Saint-Saens).  
 9.38: Organ—Milton Charles, (a) "From the Land of the Sky Blue Waters" (Cadman); (b) "At Dawning" (Cadman) (Columbia 01161).  
 9.42: Comedietta—Miss Anita Winkel and Major F. H. Lampen, "The Dream House" (Moore).  
 9.49: Vocal duet—Madame Florence Carlson and Miss Louise de Reya, "La Lettera" ("Le Nozze di Figaro") (Mozart).  
 Vocal solo—Madame Florence Carlson, "Waltz Song" ("Romeo and Juliet") (Gounod).  
 9.54: Selection—Band of H.M. Grenadier Guards, "Merrie England" (German) (Columbia 02804).  
 10.0 : Close down.

## Tuesday, November 19

### IYA, AUCKLAND (900 KILOCYCLES)—TUESDAY, NOVEMBER 19.

- 3.0 : Afternoon session—Selected studio items.  
 4.0 : Literary selection by the Announcer.  
 4.8 : Studio items.  
 4.25: Sports results to hand.  
 5.0 : Children's session conducted by Uncle George.  
 6.0 : Dinner session—"Columbia" Hour:  
 Milan Symphony Orchestra with La Scala Chorus, "Aida—Chorus and Grand March" (Verdi) (9733).  
 Milan Symphony Orchestra, "Ballet Music" ("Aida"—Verdi) (9733).  
 Violin—Efrem Zimbalist, "Impromptu" (Aulin) (04220).  
 6.12: Tacet.  
 6.15: Orchestre Symphonique de Paris, "Ballet Egyptien" (Luigini): (1) Allegro; (2) Allegretto; (3) Andante (02785-6).  
 6.27: Tacet.  
 6.30: Orchestre Symphonique de Paris, "Ballet Egyptien" (Luigini): Finale (02786).  
 Percival Mackey's Band, "Queen High" Selection (Gensler) (02534).  
 6.42: Tacet.  
 6.45: 'Cello—Pablo Casals, "O Star of Eve" ("Tannhauser"—Wagner) (7360).  
 Concertgebouw Orchestra, "Egmont" Overture (Beethoven) (L1799).  
 6.57: Tacet.  
 7.0 : News and market reports.  
 7.15: Talk—Mr. George Campbell, "Motoring."  
 8.0 : Chimes.  
 8.1 : Instrumental Studio Trio, "The Demon" ballet (Rubinstein).  
 8.9 : Vocal quartet—Olympians, Excerpts from "The Greek Slave" (Jones).  
 8.24: Pianoforte—Miss Kathleen O'Leary, "Ellestanse" (Friedmann).  
 8.28: Talk—Mr. A. B. Chappell, M.A., Topical Talk.  
 8.43: 'Cello—Miss Molly Wright, "Sonata" (Antonioti).  
 8.47: Pianoforte duets—Miss Kathleen O'Leary and Mr. Eric Bell, (a) "Dance of the Sugar Plum Fairy" (Tchaikowsky); (b) "Invitation to the Waltz" (Weber).  
 8.54: Vocal quartet—The Olympians, Excerpts from "The Greek Slave" (Jones).  
 9.4 : Weather report.  
 9.6 : Instrumental Studio Trio—"Hungarian Fantasia" ("Hajnalka") (Roberts).  
 9.15: Vocal Quartet—The Olympians, Excerpts from "The Greek Slave" (Jones).  
 9.26: Pianoforte—Mr. Eric Bell, "Sonata in G Major Op. 14 No. 22" (Beethoven).  
 9.30: Gramophone Lecture-Recital—Mr. R. W. Strong, "La Boheme" Act 4 (Puccini) (H.M.V. C1522-5).  
 10.0 : Close down

### 2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, NOVEMBER 19.

- 3.0 : Chimes of the G.P.O. clock.  
 3.1 : Relay from the All-Electric Exhibition, Town Hall, of afternoon session, music by James Haydock's Quintet.  
 5.0 : Children's session, conducted by Uncle Jim.

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- 6.0 : Dinner Session—"His Master's Voice" Hour:  
 Overture—National Symphony Orchestra, "Light Cavalry" (Suppe) (Zonophone EE102).  
 Waltz—Chicago Symphony Orchestra, "Roses of the South" (Strauss)  
 'Cello—Pablo Casals, "Moment Musical" (Schubert) (DA776).  
 6.13: Tacet.  
 6.15: Hawaiian—Hilo Hawaiian Orchestra, (a) "Kawaihau Waltz" (Keia-kai); (b) "My Hula Love" (H.M.V. B2799).  
 Medley Waltz—The Troubadours, "Popular Songs of Yesterday (EB33)  
 'Cello—Pablo Casals, "Le Cygne" (Saint-Saens) (DA776).  
 6.27: Tacet.  
 6.30: Waltzes—International Concert Orchestra, (a) "The Merry Widow" (Lehar); (b) "Luxembourg Waltz" (Lehar) (Zonophone EF9).  
 Violin and guitar—Giplietta Morino, (a) "Harlequin's Serenade" (Drigo); (b) "Could I" (Poggis) (Zonophone EE134).  
 6.44: Tacet.  
 6.45: New Light Symphony Orchestra, (a) "The Dancing Doll" (Poldini); (b) "At Dawning" (Cadman) (B2629).  
 Wurlitzer Organ—Jessie Crawford, "Carolina Moon" (Davis)  
 Royal Opera Orchestra, "The Sleeping Beauty" (Tchaikowsky).  
 6.58: Tacet.  
 7.0 : News session, market reports and sports results.  
 7.20: Relay from the All-Electric Exhibition of lecturette by Mr. George Lauchlan, A.M.I.E.E., "Water Heating."  
 7.40: Lecturette from the studio of a representative of the Agricultural Department, "For the Man on the Land."  
 8.0 : Chimes of the G.P.O. clock.  
 8.1 : Relay from the All-Electric Exhibition, Town Hall, of concert by the Wellington Municipal Tramways Band and assisting artists:  
 Overture—Band, "Morning, Noon and Night" (Suppe).  
 Soprano—Miss Nora Gray, "Morning" (Speaks).  
 Waltz—Band, "Thoughts" (Alford).  
 Violin solo—Mr. William Haydock, "Finale—Concerto" (Mendelssohn).  
 Tenor—Mr. Dan Foley, "The Mountains of Mourne" (Collisson).  
 Bass—Mr. W. W. Marshall, "The Floral Dance" (Moss).  
 Cornet solo with band accompaniment, Bandsman J. King, "Zelda" (Code).  
 Tenor—Mr. Herbert F. Wood, "Jeanine, I Dream of Lilac-Time" (Shilkret).  
 Humoresque—Band, "Musical Switch" (Alford).  
 The following items will be broadcast from the Studio:  
 Weather report.  
 Suite—2YA Salon Orchestra, under the conductorship of Mr. Mat Dixon, "Doll's House" (Englemann).  
 Chorus—The Revellers, (a) "Evenin'" (Moret); (b) "Comin' Home" (Deppen) (H.M.V. B2972).  
 Suite—2YA Salon Orchestra, "By the Lake of Geneva" (Bendel).  
 Continuation of relay from the All-Electric Exhibition, Town Hall:  
 Selection—Band, "Un Ballo in Maschero" (Verdi, arrgd. Ord Hume).  
 Soprano—Miss Nora Gray, (a) "Homeward to You" (Coates); (b) "Blackbird's Song" (Sanderson).  
 March—Band, "Vale of Avon" (Verner).  
 Bass—Mr. W. W. Marshall, "Laugh, O'lowen, Laugh" (Florito).  
 Intermezzo—Band, "In a Chinese Temple Garden" (Ketelbey).  
 Tenor—Mr. Dan Foley, "My Irish Song of Songs" (Golden).  
 Patrol—Band, "Jamie's Patrol" (Daere).  
 March—Band, "Australasian" (Rimmer).  
 10.0 (approx.): "His Master's Voice" dance programme from Studio:  
 Foxtrot—Waring's Pennsylvanians, "Jericho" (Robin) (EA559).  
 Foxtrot—Nat Shilkret's Orchestra, "Because I Know You're Mine."  
 Foxtrot—Jack Hylton's Orchestra, "I Kiss Your Hand, Madame."  
 10.9 : Banjo solo—Mario de Pietro, "Frivolous Joe" (de Pietro) (B2820).  
 Foxtrot—Nat Shilkret's Orchestra, "I Want a Daddy to Cuddle Me."  
 Foxtrot—Waring's Pennsylvanians, "That's How I Feel About You."  
 Waltz—Jean Goldkette's Orchestra, "Can You Blame Me?" (Goodwin).  
 10.21: Baritone—Noel Coward, "Lorelei" (Coward) (B2737).  
 Foxtrot—New Mayfair Dance Orchestra, "The Egg Song" (Salisbury).  
 Foxtrot—Geo. Olsen's Music, "In a Little Town Called Home, Sweet Home" (Donaldson) (EA516).  
 Tango—Rio Grande Tango Band, "The Tile Trot" (Penso) (EA517).  
 10.33: Comedian—Frank Crumit, "The Road to Vicksburg" (Crumit).  
 Foxtrot—Nat Shilkret's Orchestra, "Broadway Melody" (Freed).  
 Foxtrot—Waring's Pennsylvanians, "My Castle in Spain is a Shack in the Lane" (Caesar) (EA523).  
 10.42: Mandolin solo—Mario de Pietro, "Concert Mazurka" (Calace).  
 Foxtrot—Nat Shilkret's Orchestra, "You Were Meant for Me" (Freed).  
 Foxtrot—Geo. Olsen's music, "Makin' Whoopee!" (Kahn) (EA498).  
 10.51: Comedian—Frank Crumit, "The King of Borneo" (Crumit) (EA524).  
 Foxtrot—Geo. Olsen's Music, "Until You Get Somebody Else" (Kahn).  
 Waltz—Rudy Vallee's Connecticut Yankees, "Sweet Suzanne" (Leslie).  
 11.0 : Close down.

### 3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, NOVEMBER 19.

SILENT DAY.

### 4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, NOVEMBER 19.

- 3.0 : Town Hall chimes.  
 3.1 : Selected gramophone items.  
 4.25: Sports results to hand.  
 5.0 : Children's session conducted by Uncle George.

- 6.0 : Dinner session—"His Master's Voice" Hour:  
Overture—National Symphony Orchestra, "Orpheus in Hades" (Offenbach) (Zonophone EF16).  
San Francisco Symphony Orchestra, "Caprice Viennois" (Kreisler) (D1272).
- 6.12: Tacet.
- 6.15: New Light Symphony Orchestra, (a) "Spring Song" (Mendelssohn), (b) "Narcissus" (Nevin) (Zonophone EF11).  
San Francisco Symphony Orchestra, "Coppelia Ballet" (Dellbes) (D1272).  
Violin—Fritz Kreisler, "Tango Albeniz" (arrgd. Kreisler) (DA1009).
- 6.28: Tacet.
- 6.30: Philadelphia Symphony Orchestra, "Invitation to the Waltz" (Weber) (D1285).  
San Francisco Symphony Orchestra, (a) "Serenade" (Moszkowski), (b) "Oriental" (Auber) (ED6).
- 6.42: Tacet.
- 6.45: San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov) (D1492).  
San Francisco Symphony Orchestra, "Liebeslied" (Kreisler) (ED6).
- 6.57: Tacet.
- 7.0 : News session.
- 8.0 : Studio concert by the Kaikorai Band under the conductorship of Mr. T. J. Kirk-Burnmand, and assisting artists.
- 8.1 : March—Band, "Dunedin City" (Kirk-Burnmand).
- 8.7 : Hymn tune—Band, "Kaikorai" (Kirk-Burnmand).
- 8.11: Baritone—Mr. Les Stubbs, (a) "Song of the Rover" (Georges), (b) "One Fleeting Hour" (Lee).
- 8.17: Recital—Miss Tui Northey, "Wander Thirst" (Gould).
- 8.22: Grand valse—Band, "Sunshine and Shadow" (Kela Bela).
- 8.30: Soprano—Miss R. M. Baxter, "A Heart That's Free" (Robyn).
- 8.34: The Revellers Male Quartet, (a) "Evening" (Moret), (b) "Comin' Home" (Deppen) (H.M.V. B2972).
- 8.38: Selection—Band, "Madame Butterfly" (Puccini).
- 8.49: Contralto—Miss M. Green, (a) "Pulling Sea Dulce" (Russell), (b) "Ireland Herd Maiden" (Russell).
- 8.56: Waltz—International Concert Orchestra, "The Waltz Dream" (Strauss) (Zonophone EF18).
- 9.0 : Weather report.
- 9.2 : Overture—Band, "Lohengrin" (Wagner).
- 9.14: Baritone—Mr. Les Stubbs, "The Windmill" (Nelson).
- 9.18: Organ—Jesse Crawford, "Where the Shy Little Violets Grow" (Kahn) (H.M.V. EA521).
- 9.22: Entr'acte—Band, "Petite Suite de Concert" (No. 1 (Coleridge-Taylor).
- 9.30: Soprano—Miss R. M. Baxter, (a) "Maori Slumber Song" (Pal), (b) "Waiata Poi" (Hill).
- 9.37: Recitals—Miss Tui Northey, (a) "The Beleaguered City" (Longfellow), (b) "The King's Breakfast" (A. A. Milne).
- 9.45: Waltz—International Concert Orchestra, "Sari" (Kalman) (Zonophone EF18).
- 9.49: Contralto—Miss M. Green, "Caro Mio Ben" (Handel).
- 9.53: March—Band, "Boulder City" (Hume).
- 10.0 : Close down.

## Wednesday, November 20

### 1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, NOVEMBER 20.

- 3.0 : Afternoon session—Selected studio items.
- 4.0 : Literary selection by the Announcer.
- 4.8 : Studio items.
- 5.0 : Children's session, conducted by Uncle Tom.
- 6.0 : Dinner Session—"His Master's Voice" Hour:  
La Vittoria Orchestra, "Wedding of the Winds" (Hall) (Zonophone EF2).  
Violin—Jascha Heifetz, "On Wings of Song" (Mendelssohn), (DB283).  
New Light Symphony Orchestra, "Solweig's Song" (Grieg) (C1572).
- 6.12: Tacet.
- 6.15: Organ—Reginald Foort, "Schon Rosmarin" (Kreisler) (B2664).  
Accordion and Xylophone—International Novelty Orchestra, "El Choclo" (Villone) (EA364).  
Piccadilly Orchestra—(a) "My Beloved Gondolier" (Tibor); (b) "Souvenir de Capri" (Becce) (B2575).
- 6.28: Tacet.
- 6.30: New Light Symphony Orchestra, "Scene De Ballet Marionettes" (Glazounov) (B2754).  
Violin—Jascha Heifetz, "Ave Maria" (Schubert) (DB283).  
Organ—Reginald Foort, "A Brown Bird Singing" (Haydn. Wood), (B2664).  
New Light Symphony Orchestra, "Persiflage" (Francis) (B2754).
- 6.43: Tacet.
- 6.45: Band of H.M. Coldstream Guards, "Raymond" overture (Thomas) (C1440).  
New Light Symphony Orchestra, (a) "The Glow Worm Idyll" (Lincke); (b) "Hearts and Flowers" (Robani) (Zonophone EF20).
- 6.58: Tacet.
- 7.0 : News and market reports.
- 8.0 : Chimes.
- Studio programme by Auckland Salvation Army Congress Band, under the conductorship of Bandmaster Paice, and assisting artists:

- 8.1 : March—Band, Boston" (Broughton).
- 8.9 : Cornet solo—Bandsman N. Goffin, "Glory to His Name" (Coles).
- 8.15: Baritone—Mr. Clinton Williams, "The Song of the Clock" (Burchell).
- 8.19: Pianoforte—Wilhelm Backhaus, "Studies Op. 25" (Chopin) (H.M.V. DB1180).
- 8.28: Soprano—Dusolina Giannini, "Bonnie Sweet Bessie" (Gilbert) (DA1019).
- 8.27: Selection—Band, "Jubilation" (Coles).
- 8.37: One-act play—Auckland Comedy Players, "Eleven To-morrow" (Brig-house).
- 9.0 : Weather report.
- 9.2 : Selection—Band, "Cleansing Current" (Salvo).
- 9.10: Tenor—Mr. George Barnes, "A Brown Bird Singing" (Haydn Wood).
- 9.14: Vocal Octet—Band Vocal Actette, "Jesus of Nazareth" (Sullivan).
- 9.18: Cello—Beatrice Harrison, "Harlequinade" (Popper) (H.M.V. C1626).
- 9.22: Baritone—Mr. C. Williams, (a) "The Little Irish Girl" (Lohr); (b) "Lady Mine" (Lohr).
- 9.29: Cornet solo with band accompaniment, Bandsman Goffin, "Largo in G" (Handel).
- 9.34: Comedy sketch—Auckland Comedy Players, "Fishy" (Macbeth).
- 9.42: Selection—Band, "American Melodies" (Broughton).
- 9.50: Tenor—Mr. G. Barnes, (a) "A Spirit Flower" (Tipton); (b) "A Dream" (Bartlett).
- 9.56: March—Band, "Our Army Brave and Free" (Marshall).
- 10.1 : Close down.

### 2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, NOVEMBER 20.

- 8.0 : Chimes of the G.P.O. Clock.
- 8.1 : Relay from the All-Electric Exhibition of concert by the Wellington Municipal Tramways Band and assisting artists. Official accompanist, Mr. James Haydock.  
Overture—Band, "Gems of Sullivan" (Ord Hume).  
Soprano—Miss Myra Sawyer, "One Fine Day" ("Madame Butterfly") (Puccini).  
Violin solo—Mr. William Haydock, "Zigeunerweisen" (Gipsy air) (Sarasate).  
Symphony—Band, "Unfinished Symphony" (Schubert).  
Bass-baritone—Mr. William Boardman, "The Admiral's Broom" (Bevan).  
March—Band, "Punchinello" (Rimmer).  
Tenor—Mr. Herbert F. Wood, "I Like You in Velvet" (Rubens).  
Waltz—Band, "Ecstasy" (Baynes).  
Vocal duet—Miss Myra Sawyer and Mr. Wm. Boardman, "Give Me Thy Hand, O Fairest" (Mozart).  
Selection—Band, "Euryanthe" (Weber).  
Return to the studio for the following items:  
Berlin State Opera Orchestra, "Wiener Blut" Waltz (Strauss) (Columbia 04337).  
Vocal solo and chorus—Miriam Licette, Francis Russell, Dennis Noble, Harry Brindle and chorus, Vocal Gems from "The Bohemian Girl" (Balfe) (Columbia 02822).  
Continuation of relay from the All-Electric Exhibition, Town Hall:  
Lecturette—Mr. C. W. Bearman, "Domestic Lighting."  
Intermezzo—Band, "Sanctuary of the Heart" (Ketelbey).  
Soprano—Miss Myra Sawyer, "The Smoking Room" (Arundale).  
March—Band, "Doges' March" ("Merchant of Venice Suite") (Rosse).  
Vocal duet—Miss Myra Sawyer and Mr. Wm. Boardman, "Come, Sing to Me" (Thompson).  
Waltz—Band, "Bells at Sunset" (McKenzie).  
Bass-baritone—Mr. Wm. Boardman, "The Trumpeter" (Dix).  
March—Band, "Swing Along" (Moorehouse).
- 10.30: Close down.

### 3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, NOV. 20.

- 3.0 : Afternoon session—Selected studio items.
- 4.25: Sports results to hand.
- 5.0 : Children's session conducted by Mother Hubbard and Uncle Frank.
- 6.0 : Dinner session—"Columbia" Hour:  
Bayreuth Festival Orchestra, "Siegfried—Prelude Act 3" (Wagner) (L2015).  
Violin—Blinder, "Variation on a Theme by Corelli" (Kreisler) (02773).  
Halle Orchestra—"Andantino" ("Rosamunde"—Schubert) (04200).
- 6.12: Tacet.
- 6.15: J. H. Squire's Celeste Octet, "Memories of Mendelssohn" (arrgd. Sear) (02838).  
Mengelberg's Concertgebouw Orchestra, "Valse Serenade" (Tschai-kowsky) (04234).
- 6.27: Tacet.
- 6.30: Orchestre de Paris, "L'Arlesienne—Intermezzo" (Bizet) (01326).  
Pianoforte—Ignaz Friedman, "Hark, Hark the Lark" (Schubert) (03630).  
Orchestre de Paris, "L'Arlesienne—Entr'acte" (Bizet) (01326).  
Violin—Yvonne Curti, "Madrigale" (Simonetti) (01529).
- 6.42: Tacet.
- 6.45: Cello—J. H. Squire, "Sicilienne" (Faure) (L1759).  
New Queen's Hall Light Orchestra, "Pagliacci" (Leoncavallo) (02714).
- 6.55: Tacet.
- 7.0 : News session.
- 7.30: Addington Stock Market reports.

- 8.0 : Chimes.  
 8.1 : Studio Instrumental Octet under the conductorship of Mr. Harold Beck,  
 (a) "Gipsy Song" (Bizet), (b) "At Dawning" (Cadman), (c)  
 "Waltz" (Tschalkowsky).  
 8.9 : Soprano—Miss Myrtle Langley, "One Fine Day" ("Madame Butter-  
 fly").  
 8.18: Wurllitzer organ—Reginald Foort, "Waltz of the Flowers" (Tschai-  
 kowsky) (H.M.V. C1386).  
 8.17: Baritone—Mr. Robert Samson, "The King's Minstrel" (Pinsuti).  
 8.21: Waltz—Studio Instrumental Octet, "Blue Danube" (Strauss).  
 8.31: Mezzo-soprano—Miss Anita Graham, "From the Ramparts of Seville"  
 ("Carmen"—Bizet).  
 8.35: Recital—Miss Mavis Ritchie, "Juliet's Love for Romeo" ("Romeo and  
 Juliet"—Shakespeare).  
 8.40: Studio Instrumental Octet, (a) "Ave Maria" (Bach-Gounod), (b)  
 "Edelweiss Gavotte" (Tourbie).  
 8.48: Tenor—Mr. Harry Francis, "Your Tiny Hand is Frozen" (Puccini).  
 8.52: Selection—H.M. Coldstream Guards, "H.M.S. Pinafore" (Sullivan)  
 (H.M.V. C1283).  
 9.0 : Weather report.  
 9.2 : Studio Instrumental Octet—"Dale Dances" (Wood).  
 9.10: Soprano—Miss Myrtle Langley, (a) "As Thro' the Street" ("La Bo-  
 heme"—Puccini), (b) "Life" (Curran).  
 9.16: Violin and Wurllitzer organ—De Groot and Terence Casey, "Cavatina"  
 (Raff) (Zonophone B2920).  
 9.19: Baritone—Mr. Robert Samson, (a) "Angels Guard Thee" (Godard),  
 (b) "Blow, Blow, Thou Winter Wind" (Sargeant).  
 9.27: Cello—Pablo Casals, "Le Cygne" (The Swan) (Saint-Saens) (H.M.V.  
 DA776).  
 9.30: Mezzo-soprano—Miss Anita Graham, "O Don Fatale" (Verdi).  
 9.34: Studio Instrumental Octet, (a) "A Street in Algiers" (Ansell), (b)  
 "In a Japanese Garden" (Ansell), (c) "Grasshoppers' Dance"  
 (Bucalossi).  
 9.44: Recital—Miss Mavis Ritchie, "Good-bye, Lynette" (Ogilvie).  
 9.48: Chorus—Light Opera Company, Gems from "Princess Flaria" (Smith)  
 (H.M.V. EB22).  
 9.52: Tenor—Mr. Harry Francis, (a) "Come Love, Be Mine" (Leoncavallo),  
 (b) "I Wept, Beloved" (Heine).  
 9.58: Selection—Savoy Orpheans, "Hit the Deck" (Youmans) (H.M.V. 1408).  
 10.6 : Close down.

#### AYA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, NOVEMBER 20.

- 8.0 : Town Hall chimes.  
 8.1 : Selected gramophone items.  
 4.25: Sports results to hand.  
 5.0 : Children's session conducted by Aunt Anita.  
 6.0 : Dinner session—"Columbia" Hour:  
 Selection—H.M. Grenadier Guards Band, "New Sullivan Selection"  
 (arrgd. Godfrey) (02731).  
 Waltz—Court Symphony Orchestra, "Destiny" (Baynes) (564).  
 6.12: Columbia Symphony Orchestra, "Idilio" (Lack) (01076).  
 Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert"  
 (Coleridge-Taylor): (1) La Caprice de Nanette; (2) Demande et  
 Reponse (Columbia 02588).  
 6.26: Tacet.  
 6.30: Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert"  
 (Coleridge-Taylor): (1) Un Sonnet de Amour; (2) La Tarantelle  
 I retillante (02589).  
 Wurllitzer organ—Terence Casey, "I'm Lonely" (Coates) (01501).  
 6.42: Tacet.  
 6.45: Dance Suite—H.M. Grenadier Guards Band, "Nell Gwynn Dances"  
 (German): (1) Country Dance; (2) Pastoral Dance (01329).  
 Columbia Symphony Orchestra, "Spring Song" (Mendelssohn) (01076).  
 Waltz—Symphony Orchestra, "Morgen Blatter" (Strauss) (9218).  
 6.58: Tacet.  
 7.0 : News session.  
 8.0 : Town Hall chimes.  
 8.1 : Overture—Columbia Symphony Orchestra, "Poet and Peasant" (Suppe)  
 (Columbia 02618).  
 8.9 : Popular entertainment including male quartets, duets, solos, sketches,  
 and instrumental items presented by the "Four Aces" Concert  
 Party.  
 9.0 : Weather report.  
 9.2 : Continuation of popular entertainment by the "Four Aces."  
 9.30: "Columbia" Dance Programme:  
 Foxtrot—Milt Shaw's Orchestra, "Walking with Susie" (Gottler)  
 (01553).  
 Foxtrot—Fred Rich's Orchestra, "Used to You" (De Sylva) (01565).  
 Foxtrot—Milt Shaw's Orchestra, "Breakaway" (Gottler) (01553).  
 Foxtrot—Fred Rich's Orchestra, "Why Can't You?" (De Sylva)  
 (01565).  
 9.42: Hawaiian—Lizzie Alohioka and chorus, "Nani Kauai" (Alohioka)  
 (01282).  
 Foxtrot—Debroy Somers' Band, "The Egg Song" (Salisbury) (01523).  
 Foxtrot—Harry Reser's Syncopators, "I'm Wild about Horns on Auto-  
 mobiles" (Gaskill) (01543).  
 Foxtrot—Ted Wallace's Campus Boys, "Jericho" (Meyers) (01536).  
 One-step—Debroy Somers' Band, "Shinaniki Da" (Carlton) (01523).  
 Waltz—The Cavaliers, "Lady Divine" (Shilkret) (01543).  
 10.0 : Organ—Milton Charles, "Love's Old Sweet Song" (Molloy) (01161).  
 Foxtrot—Don Voorhee's Orchestra, "Ol' Man River" (Kern) (01406).

- Foxtrot—Ted Wallace's Campus Boys, "I've Got a Feeling I'm Falling"  
 (Link) (01586).  
 Foxtrot—Don Voorhee's Orchestra, "Can't Help Lovin' Dat Man"  
 (Kern) (01406).  
 Foxtrot—Sannella's All-Star Trio, "Perfume of Roses" (Donovan)  
 (Regal G20493).  
 10.15: Vocal duet—Layton and Johnstone, "Carolina Moon" (Davis) (01550).  
 Foxtrot—Ernie Golden's Orchestra, "She's Got Great Ideas" (Tobias)  
 (01559).  
 Foxtrot—Piccadilly Players, "I Lift Up My Finger and Say 'Tweet,  
 Tweet'" (Sarony) (01595).  
 Foxtrot—Ernie Golden's Orchestra, "That's Her Now" (Ager) (01559).  
 Waltz—The Cavaliers, "Underneath the Russian Moon" (Gusman)  
 (01546).  
 10.30: Organ—Milton Charles, (a) "From the Land of the Sky-Blue Water"  
 (Cadman), (b) "At Dawning" (Cadman) (01161).  
 Foxtrot—Ambassadors Band, "Wake Up, Chill'un, Wake Up" (Trent)  
 (01595).  
 Foxtrot—Cafe Royal Band, "Me and the Man in the Moon" (Leslie)  
 (Regal G20492).  
 Foxtrot—Sannella's All-Star Trio, "I'll See You There" (Kassel)  
 (Regal G20493).  
 Waltz—Eddie Thomas's Collegians, "Billie" (Henderson) (01584).  
 10.45: Hawaiian—Lizzie Alohioka and chorus, "Lili E" (Kaulia) (01282).  
 Tango—Anson Weeks's Orchestra, "Senorita" (Weeks) (01584).  
 Foxtrot—Paul Whiteman's Orchestra, "Get Out and Get Under the  
 Moon" (Shay) (07001).  
 Foxtrot—Corona Dance Band, "I Faw Down an' Go Boom" (Brock-  
 man) (Regal G20492).  
 Foxtrot—Paul Whiteman's Orchestra, "Evening Star" (Turk) (07001).  
 Waltz—The Cavaliers, "By-and-By, Sweetheart" (Valentine) (01546).  
 Reel—O'Leary's Irish Minstrels, "Turkey in the Straw" (Regal  
 G20454).  
 11.0 : Close down.

## Thursday, November 21

#### IYA, AUCKLAND (900 KILOCYCLES)—THURSDAY, NOVEMBER 21.

- 8.0 : Afternoon session—programme arranged by Messrs. Lewis Eady Ltd.  
 5.0 : Children's session, conducted by Peter Pan.  
 6.0 : Dinner Session—"His Master's Voice" Hour:  
 International Concert Orchestra, "Sari" (Kalman) (Zonophone EF18).  
 Organ—Edwin Lemare, "Traumerei" (Schumann) (C1455).  
 Nightingales and church bells—"A Summer Night Idyll" (B2853).  
 Reginald King's Orchestra, "The Song I Love" (de Sylva (B2903).  
 6.13: Tacet.  
 6.15: New Light Spmphony Orchestra, "Just a Memory" (de Sylva) (EB18).  
 Violin and Kinema Organ—Elsie Southgate, "Rose in the Bud" (For-  
 ster) (Zonophone 5109).  
 Orchestral—The Troubadours, "Beggars of Life" (Brennan) (EA441).  
 Choral—Lay Vicars of Westminster Abbey, "Stars of the Summer  
 Night" (Cruickshank) (B2781).  
 6.28: Tacet.  
 6.30: Philadelphia Symphony Orchestra, "Scheherazade" Suite (Rimsky-  
 Korsakov): 1. The Sea; 2. The Vessel of Sinbad (D1436).  
 Kauffman's Orchestra, "Voices of Spring" (Strauss) (C1521).  
 6.42: Tacet.  
 6.45: San Francisco Symphony Orchestra, (a) "Serenade" (Moszkowski);  
 (b) "Aubade" (Auber) (ED6).  
 Jack Hylton's Orchestra, "When the White Elder Tree Blooms Again"  
 (Doelle) (C1616).  
 6.57: Tacet.  
 7.0 : Book review.  
 7.15: News and market reports.  
 8.0 : Chimes.  
 8.1 : Overture—IYA Orchestral Octette, under the conductorship of Mr. Eric  
 Waters, "Overture in B Flat" (Schubert).  
 8.11: Tenor—Mr. Tom Moffitt, (a) "Love's Garden of Roses" (Haydn Wood);  
 (b) "Elegie" (Massenet).  
 8.18: IYA Orchestral Octette—(a) "Deux Pierrots Amoureux" (Drigo); (b)  
 "Funeral March of a Bumble Bee" (Marsden).  
 8.28: Recital—Miss Nina Scott, "He Fell Among Thieves" (Newbolt).  
 8.32: Novelty—The Asquiths, Twenty Minutes Drawing-room Entertainment.  
 8.52: IYA Orchestral Octette, (a) "Naila" (Delibes, arrgd. Langey); (b)  
 "Dance of the Toy Regiment" (Shilkret).  
 9.2 : Weather report.  
 9.4 : Tenor—Mr. T. Moffitt, "Pretty Jane" (Bishop).  
 9.8 : Recital—Miss N. Scott, (a) "Marguerite" (Anon); (b) "The Necklace of  
 Tears" (Sylvia).  
 9.16: Selection—IYA Orchestral Octette, "Rainbow" (Gershwin).  
 9.28: "Broadcast" Dance Programme:  
 Foxtrot—Los Angeles Ambassadors, "Heigh-Ho, Everybody" (W502).  
 Foxtrot—Roxy Dance Orchestra, "My Sin" (de Sylva) (W500).  
 Foxtrot—Roxy Dance Orchestra, "Jericho" (Robin) (W501).  
 Waltz—Original Havana Band, "Ah, Sweet Mystery of Life" (Herbert)  
 (327).  
 Waltz—Bidgood's Broadcasters, "For Old Time's Sake" (de Sylva)  
 (329).



- 9.45: Hawaiian—Kimo Koa's Hawaiian Orchestra, "A Hula Dream" (335).  
 Foxtrot—Los Angeles Ambassadors, "Honey" (Simons) (W502).  
 Foxtrot—Roxy Dance Orchestra, "Mean To Me" (Turk) (W500).  
 Foxtrot—Roxy Dance Orchestra, "Do Something" (W501).  
 Foxtrot—Original Havana Band, "Out of the Dawn" (327).
- 10.0: Hawaiian—Kimo Koa's Hawaiian Trio, "Song to Hawaii" (Bories) (335).  
 Foxtrot—Californian Melody Makers, "Fashionette" (Glogan) (BA127).  
 Foxtrot—Original Havana Band, "Glad Rag Doll" (Yellen) (351).  
 Foxtrot—Bidgood's Symphonic Dance Band, "If I Had You" (Robins) (353).  
 Waltz—Californian Melody Makers, "I Wonder If You Miss Me Tonight" (BA128).  
 Waltz—Original Havana Band, "Chiquita" (Wayne) (EA96).
- 10.18: Organ—Herbert Griffiths, "The Monk's Dream" (Palings) (383).  
 One-step, Bidgood's Augmented Dance Band, "Community Medley" (50541).  
 Foxtrot—Original Havana Band, "Dusky Stevedore" (Razaf) (351).  
 Foxtrot—Bidgood's Broadcasters, "I Ain't Never Been Kissed" (Basset) (354).  
 Foxtrot—Bidgood's Broadcasters, "Misery Farm" (Wallis) (355).  
 Waltz—Bidgood's Symphonic Dance Band, "Girl of My Dreams" (353).  
 Waltz—Californian Melody Makers, "Carolina Moon" (Davis) (BA113).
- 10.39: Hawaiian—Hawaiian Melody Makers, "Sarita" (406).  
 One-step—Original Havana Band, "Shinanika Da" (Carlton) (374).  
 Foxtrot—Californian Melody Makers, "Hello, Sunshine, Hello" (BA127).  
 Foxtrot—Original Havana Band, "Sweet Sue, Just You" (Harris) (BA97).  
 Foxtrot—Original Havana Band, "Blue Grass" (De Sylva) (BA96).
- 11.0: Close down.

## 2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, NOVEMBER 21.

- 3.0: Chimes of the G.P.O. Clock.
- 3.1: Relay from the All-Electric Exhibition, Town Hall of afternoon session music by James Haydock's Quintet.
- 5.0: Children's session, conducted by Uncle George.
- 6.0: Dinner session—"Columbia" Hour:  
 Selection—H.M. Grenadier Guards Band, "Merrie England" (German).  
 Bournemouth Municipal Orchestra, "Idylle Bretonne" (Gennin).
- 6.12: Tacet.
- 6.15: Waltz—Jacque Jacobs' Ensemble, "L'Estudiantina" (Waldteufel).  
 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: Ketelbey's Concert Orchestra, "The Sacred Hour" (Ketelbey) (01528).  
 Sandler's Orchestra, "Someday, Somewhere" (Rapee) (01521).  
 Bournemouth Municipal Orchestra, "Fluttering Birds" (Gennin).
- 6.43: Tacet.
- 6.45: Musical Art Instrumental Quartet, (a) "Mighty Lak a Rose" (Nevin); (b) "To to a Wild Rose" (McDowell) (01506).  
 Sandler's Orchestra, "Sonny Boy" (De Sylva) (01521).  
 March—H.M. Grenadier Guards Band, "Dunedin" (Alford) (01535).
- 6.57: Tacet.
- 7.0: News session, market reports and sports results.
- 7.25: Relay from the All-Electric Exhibition, Town Hall, of lecturette by Mr. H. F. Toogood, "Electric Domestic Service."
- 7.40: Lecturette from studio—Mr. F. M. Ryan, "Fire Protection."
- 8.0: Chimes of the G.P.O. Clock.
- 8.2: Relay from the All-Electric Exhibition, Town Hall, of concert by the Wellington Municipal Tramways Band, and assisting artists:  
 Overture—Band, "Light Cavalry" (Suppe).  
 Contralto—Miss Hilda Chudley, "Bring her Again, O Western Wind" (Landon Ronald).  
 Violin solo—Mr. Wm. Haydock, "Souvenir Di Moscow" (Wieniawski).  
 Baritone—Mr. Ernest Short, "The Fishermen of England" (Montague Phillips).  
 Waltz—Band, "Casino Tanze" (Gungl).  
 Tenor—Mr. H. F. Wood, "Charmaine" (Rappe).  
 Trombone solo with band accompaniment—Bandsman Tallantyne, "Parachute" (Sutton).  
 Humoresque—Band, "Pop Goes the Weasel" (Hawkins).  
 The following items will be broadcast from the studio:  
 Weather report.  
 Selection—Starita's Ambassador's Band, "The Five O'Clock Girl" (Kalmar) (Columbia 02886).  
 Vocal duet—Doris Vane and Harold Williams, "Only a Rose" ("The Vagabond King" (Friml) (Columbia 01271).  
 Baritone and chorus—Harold Williams and chorus, "Song of the Vagabonds" (Friml) (Columbia 01271).  
 Organ—Quentin McLean, (a) "I Kiss your Hand, Madame" (Erwin); (b) "Flower of Love" (Axt) (Columbia 01572).

Continuation of relay from All-Electric Exhibition, Town Hall:  
 March—Band, "Colonel Bogey" (Alford).  
 Euphonium solo with band accompaniment—Bandsman S. Claydon, "Weber's Last Waltz" (Weber).  
 Contralto—Miss Hilda Chudley, Negro Spiritual, "I Got a Robe" (Burleigh).  
 Tenor—Mr. H. F. Wood, "I Like You in Velvet" (Rubens).  
 Baritone—Mr. Ernest Short, "Youth" (Allitsen).  
 Selection—Band, "William Tell" (Rossini).  
 Brass quartette—"Scotia" (Round).  
 Foxtrot—Band, "Chick, Chick, Chicken" (Berlin).  
 March—Band, "Brilliant" (Ord Hume).

10.30: Close down.

## 3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, NOV. 21.

- 3.0: Afternoon session—Selected studio items.
- 4.25: Sports results to hand.
- 5.0: Children's session, conducted by Uncle John.
- 6.0: Dinner session—"His Master's Voice" Hour:  
 San Francisco Symphony Orchestra, "Rosamunde—Entr'acte" (Schubert) (D1568).  
 Violin—Erica Morini, "Romanza Andaluza" (Sarasate) (D1445).  
 San Francisco Symphony Orchestra, "Scherzo" ("Midsummer Night's Dream") (Mendelssohn) (D1627).
- 6.12: Tacet.
- 6.15: Cinema organ—Reginald Foort, "Schon Rosmarin" (Kreisler) (B2664).  
 Philadelphia Symphony Orchestra, "Danse Orientale" (Glazounov) (EF21).  
 Pianoforte and 'cello—Cortot and Casals, "Variations on an Air from the Magic Flute" (Mozart-Beethoven) (DA916).
- 6.27: Tacet.
- 6.30: Violin—Isolde Menges, "Air on G String" (Bach) (D1288).  
 Royal Opera Orchestra, "Sylvia Ballet—Pizzicato and Procession of Bacchus" (Delibes) (C1418).
- 6.42: Tacet.
- 6.45: Pianoforte—Mark Hambourg, "Sonata in C Sharp Minor—First Movement" (Beethoven) (C1549).  
 San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov) (D1492).
- 6.55: Tacet.
- 7.0: News session.
- 7.30: Lecturette arranged by 3YA Primary Productions Committee—"Weather in Relation to Farming," by Mr. H. F. Baird, Magnetic Observatory.
- 8.0: Chimes.
- 8.1: Studio Instrumental Octet under the conductorship of Mr. Harold Beck, "St. Paul's Suite for String Orchestra" (Holst): (1) Jig, (2) Ostinato.
- 8.9: Mezzo-contralto—Mrs. Nora Bingham Puddey, "Deeper My Love" (Del Riego).
- 8.13: Pianoforte—Ignace Jan Paderewski, "La Campanella" (Paginini-Liszt) (H.M.V. DB1055).
- 8.17: Baritone—Mr. Clive Hindle, "The Sword of Ferrara" (Bullard).
- 8.21: Studio Instrumental Octet—"St. Paul's Suite" (Holst): (1) Intermezzo, (2) Finale—The Dargason.
- 8.30: Soprano—Miss Agnes Cunningham, "Eleanore" (Mallinson).
- 8.34: Grand organ—Edwin H. Lemare, (a) "Song of Happiness" (Lemare); (b) "Aloha-oe" (Lilulokalani) (Zonophone EE93).
- 8.40: Recital—Miss Marion Drysdale, "Improvising" (Davis).
- 8.45: Studio Instrumental Octet, (a) "First Symphony—Second Movement" (Beethoven); (b) "Turkish March" ("Ruins of Athens") (Beethoven).
- 8.53: Tenor—Mr. Harold Prescott, (a) "I Travel the Road" (Rogers); (b) "Because" (D'Hardelot).
- 8.57: Choral—Chorus and London Symphony Orchestra, "We are Afar in the Dim Ages Lying" ("The Music Makers" (Elgar) (H.M.V. D1347).
- 9.1: Weather report.
- 9.3: Studio Instrumental Octet, "Henry VIII. Dances" (German).
- 9.11: Mezzo-contralto—Mrs. Nora Bingham Puddey, (a) "When Thou Art Far" (Landon Ronald); (b) "One Fleeting Hour" (Lee).
- 9.18: Flute—John Amadio, "Flute Concerto—Andante" (Mozart) (H.M.V. C1533).
- 9.22: Baritone—Mr. Clive Hindle, (a) "Tell Her" (Kotschubey); (b) "The Reason" (Del Riego).
- 9.29: Studio Instrumental Octet, (a) "Valse Bohemienne"; (b) "Valse Rustique"; (c) "Valse de la Reine" (Coleridge-Taylor).
- 9.38: Recital—Miss Marion Drysdale, (a) "My Daughter Jean" (Jenkins); (b) "Messmates" (Newbolt).
- 9.43: Soprano—Miss Agnes Cunningham, (a) "There Lies the Warmth of Summer" (Mallinson); (b) "To an Isle in Water" (Mallinson); (c) "The Daily Question" (Helmund).
- 9.49: Flute—John Amadio, "Flute Concerto—Finale" (Mozart) (H.M.V. C1533).
- 9.53: Tenor—Mr. Harold Prescott, (a) "Indian Serenade" (Veerji); (b) "A Night Idyll" (Loughborough).
- 9.59: March—National Military Band, "Tannhauser" (Wagner) (Zonophone A353).
- 10.2: Close down.

## 4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, NOVEMBER 21.

SILENT DAY.

## Friday, November 22

## 1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, NOVEMBER 22.

- 8.0 : Afternoon session—selected studio items.  
 4.0 : Literary selection by the Announcer.  
 4.8 : Studio items.  
 4.25 : Sports results to hand.  
 5.0 : Children's session, conducted by Nod and Aunt Jean.  
 6.0 : Dinner session—"Brunswick" Hour:  
 Cleveland Symphony Orchestra, "Merry Wives of Windsor" Overture (Nicolai) (50089).  
 Violin—Max Rosen, "Meditation" ("Thais") (Massenet) (50110).  
 6.12 : Tacet.  
 6.15 : New York Philharmonic Orchestra, "Nocturne" ("A Midsummer Night's Dream") (Mendelssohn) (50074).  
 Pianoforte—Leopold Godowsky, "Witches' Dance" (MacDowell) (15125).  
 New York Metropolitan Opera House Orchestra, "Prelude—Cavalleria Rusticana" (Mascagni) (50067).  
 6.27 : Tacet.  
 6.30 : Brunswick Concert Orchestra, "Kammenoi-Ostrow" (Rubinstein) (20087).  
 Organ—Lew White, "Angelus" ("Scenes Pittoresques") (Massenet) (20088).  
 6.42 : Tacet.  
 6.45 : International Concert Orchestra, "Aisha" (Lindsay) (77008).  
 New York Philharmonic Orchestra, (a) "Tales from the Vienna Woods" (Strauss); (b) "Artists' Life" (Strauss) (50096).  
 6.57 : Tacet.  
 7.0 : News and market reports.  
 8.0 : Chimes.  
 8.1 : Relay of concert from Messrs. Lewis Eady Hall.  
 8.30 : Studio Concert:  
 Pianoforte—Miss Lillian Quinn, "Ballade in D Minor" (Brahms).  
 8.34 : Lecture-Recital, Mrs. Daisy Basham and Mr. H. Barry Coney, "Indian Legends" (Part 1).  
 8.50 : Instrumental—Studio Trio, "Third Movement—Trio Op. 80" (Schumann).  
 8.58 : Violin—Miss Ina Bosworth, "Rondino" (Beethoven).  
 9.2 : Weather report.  
 9.4 : Pianoforte—Miss Lillian Quinn, "Arabesque No. 1" (Debussy).  
 9.9 : Lecture-Recital—Mrs. D. Basham and Mr. H. Barry Coney, "Indian Legends" (Part 2).  
 9.24 : Instrumental—Studio Trio, "English Scenes" (Bantock).  
 9.32 : Gramophone Lecture-Recital, Mr. Karl Atkinson, "The Weird in Music":  
 Orchestral—Petr Biljos Balalaika Orchestra, fantasy on "Song of India" (Rimsky-Korsakov) (Brunswick 77006).  
 Vocal solo—Richard Bonelli, "Danny Deever" (Dammrosch) (Brunswick 50122).  
 Orchestral—Berlin State Opera Orchestra, "Valse Triste" (Sibelius) (Parlophone 4098).  
 Vocal solo—Theodor Chaliapin, "Death of Don Quixote" (Massenet) (H.M.V. DE1096).  
 Orchestral—Cleveland Symphony Orchestra, "Dance Macabre" (Saint-Saens) (Brunswick 50089).  
 Orchestral—Symphony Orchestra, "Ride of the Valkyries" (Wagner) (H.M.V. D1088).  
 10.10 : Close down.

## 2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, NOVEMBER 22.

- 8.0 : Chimes of the G.P.O. clock.  
 8.1 : Selected gramophone items.  
 4.30 and 4.50 : Sports results to hand.  
 5.0 : Children's session conducted by Big Brother Jack.  
 6.0 : Dinner session—"His Master's Voice" Hour:  
 Royal Albert Hall Orchestra, "Carmen—Prelude" (Bizet) (E461).  
 National Symphony Orchestra, "Sylvia Ballet—Cortege de Bacchus" (Delibes) (E324).  
 Organ—Reginald Foort, "Schon Rosmarin" (Kreisler) (B2664).  
 6.12 : Tacet.  
 6.15 : Selection—Marek Weber's Orchestra, "La Tosca" (Puccini) (C1413).  
 National Symphony Orchestra, "La Traviata—Prelude" (Verdi).  
 6.27 : Tacet.  
 6.30 : Selection—National Symphony Orchestra, "Bohemian Girl" (Balfe) (Zonophone A340).  
 Royal Albert Hall Orchestra, "Carmen—Prelude Act 2" (Bizet) (E461).  
 Organ—Reginald Foort, "A Brown Bird Singing" (Haydn Wood).  
 6.42 : Tacet.  
 6.45 : Selection—National Symphony Orchestra, "Aida" (Verdi) (Zonophone).

- 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 of the G.P.O. clock.  
 8.1 : Overture—2YA Orchestra under the conductorship of Signor Truda, "If I Were King" (Adam).  
 8.9 : Soprano—Miss Millicent O'Grady, "Noble Signors" ("Huguenots"—Meyerbeer).  
 8.13 : Pianoforte—Miss Irene Spidey, (a) "Moonlight Beneath the Palms" (Nienan), (b) "Intermezzo" (Brahms).  
 8.20 : Baritone—Mr. Ray Kemp, "The Desert Song" (Romberg).  
 8.24 : Selection—2YA Orchestra, "Aida" (Verdi).  
 8.32 : Sketch—Madame Eugenie Dennis and partner, "A Lock of Hair" (Anon.).  
 8.39 : Contralto—Mrs. Ray Kemp, "Tact" ("Florodora"—Stuart).  
 8.43 : Instrumental trio—Kreisler, Kreisler, and Raucheisen, (a) "Intermezzo—Arlesienne" (Bizet), (b) "Sanctissima" (Corelli) (H.M.V.).  
 8.51 : Tenor—Mr. E. W. Robbins, "Now Thy Flight to Heaven Winged" ("Lucia di Lammermoor"—Donizetti).  
 8.55 : Instrumental—2YA Orchestra, "Faust Ballet Music" (Gounod).  
 9.3 : Weather report.  
 9.5 : Soprano—Miss Millicent O'Grady, "Caro Nome" ("Rigoletto"—Verdi).  
 9.9 : Vocal duet—Mr. and Mrs. Ray Kemp, "Charming Weather" ("Arcadians"—Monckton).  
 9.13 : Selection—2YA Orchestra, "The Waltz Dream" (Strauss).  
 9.21 : Sketch—Madame Eugenie Dennis and partner, "The Burglar" (Anon.).  
 9.29 : Cello—Lauri Kennedy, (a) "Londonderry Air" (arrgd. Kennedy), (b) "Old Scotch Melody" (arrgd. Kennedy) (H.M.V. C1618).  
 9.37 : Selection—2YA Orchestra, "The Country Girl" (Godfrey).  
 9.45 : Contralto—Mrs. Ray Kemp, "I Want My Man to be a Landlord" ("The Rebel Maid"—Phillips).  
 9.49 : Tenor—Mr. E. W. Robbins, "La Donna e Mobile" ("Rigoletto"—Verdi).  
 9.53 : Instrumental—2YA Orchestra, "Carmen Ballet Music" (Bizet).  
 10.1 : Close down.

## 3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, NOVEMBER 22.

- 8.0 : Afternoon session—selected studio items.  
 4.25 : Sports results to hand.  
 5.0 : Children's session, conducted by "Storyman."  
 6.0 : Dinner session—"Columbia" Hour:  
 Court Symphony Orchestra, "Destiny Waltz" (Baynes) (564).  
 Squire Celeste Octet, "Angel's Serenade" (Braga) (9116).  
 Symphony Orchestra, "When the Lemons Bloom" (Strauss) (02529).  
 6.12 : Tacet.  
 6.15 : Plaza Theatre Orchestra, "The Busy Bee" (Bendix) (01438).  
 Wurlitzer organ—G. T. Pattman, "Cherie" (Valentine) (01344).  
 Plaza Theatre Orchestra, "My Lady Dainty" (Hesse) (01438).  
 Violin and organ—Manuello, "Once" (Sanders) (Regal G20420).  
 6.27 : Tacet.  
 6.30 : Squire Celeste Octet, "The Butterfly" (Bendix) (3608).  
 Organ—Emil Velazco, "By the Waters of Minnetonka" (Lieurance) (01332).  
 Squire Celeste Octet, "Grasshoppers' Dance" (Bucalossi) (3608).  
 Pianoforte duet—Constance and Muriel Mering, "High Hat" (Pollack) (01224).  
 6.42 : Tacet.  
 6.45 : Instrumental—Eddie Thomas' Collegians, "Waltz Medley" (Herbert) (02904).  
 Debroy Somer's Band, "The Singing Fool" selection (arrgd. Connelly) (02920).  
 6.55 : Tacet.  
 7.0 : News session.  
 7.30 : Lecturette—Mr. Alex. O'Donoghue, N.Z. Inst. R.A.O.U., "The Takahe and its Life Story" (Being the first of a series of talks on quaint N.Z. birds).  
 8.0 : Chimes.  
 8.1 : Edith Lorand Orchestra, "The Merry Widow" selection (Lehar) (Parlophone A4071).  
 8.9 : Baritone—Mr. W. J. Richards, "Joe the Gipsy" (Batten).  
 8.13 : Violin—Miss Irene Morris, "Madrigale" (Simonetti).  
 8.17 : Contralto—Miss Nellie Lowe, "Home Song" (Liddle).  
 8.23 : Hawaiian—David Kaili, "Down Home" Medley (Kaili) (Parlophone A2562).  
 8.26 : Tenor—Mr. T. G. Rogers, "Love's Garden of Roses" (Haydn Wood).  
 8.29 : Christchurch Broadcasting Trio, "Rondo—Finale" (Reissiger).  
 8.37 : Humorous recital—Miss Kathleen Brewins, "Paddy's Courting" (MS.).  
 8.42 : Tenor and contralto duet—Dulcet Duo, "I'll Sing to You" (Thompson).  
 8.46 : Violin—Miss Irene Morris, "Gavotte" (Gossec).  
 8.49 : Baritone—Mr. W. J. Richards, (a) "Up From Somerset" (Sanderson); (b) "Captain Mac" (Sanderson).  
 8.56 : Waltz—Dajos Bela Orchestra, "Casino Tanze" (Jungi) (Parlophone A4081).  
 9.0 : Weather report.  
 9.2 : Christchurch Broadcasting Trio, (a) "Midinette" (Marling); (b) "Spanish Dance No. 2" (Moszkowski).

- 9.10: Contralto—Miss Nellie Lowe, "Ring, Bell, Ring" (Day).  
 Tenor—Mr. T. G. Rogers, "Where my Caravan has Rested" (Lohr).
- 9.17: Saxophone—Arnold Brilhart, "Caprice Futuristic" (Malneck) Parlophone A2676).
- 9.20: Tenor and contralto duet—Dulcet Duo, "Till Dawn" (Loewe).  
 Recital—Miss Kathleen Brewins, "The Fire Brigade" (MS.).
- 9.30: (approx.): Relay of boxing tourney from Ashburton. Ringside description of match between H. Leckie and Donovan.
- 10.0: "Brunswick" Dance Programme:  
 Foxtrot—Colonial Dance Orchestra, "This is Heaven" (Yellen) (4381).  
 Foxtrot—Bob Haring's Orchestra, "Louise" (Robin) (4359).  
 Foxtrot—Copley Plaza Orchestra, "Old-Fashioned Lady" (Silver) (4323).  
 Foxtrot—Rubinoff's Orchestra, "Garden in the Rain" (Gibbons) (4344).  
 10.12: March—Brunswick Concert Orchestra, "Dixie" (Emmett) (4399).  
 Foxtrot—Colonial Club Orchestra, "O What a Night to Love" (Herbert) (4247).  
 Foxtrot—Colonial Club Orchestra, "And Especially You" (Yellen) (4381).  
 Foxtrot—Colonial Club Orchestra, "There's a Four-Leaf Clover in My Pocket" (Colwell) (4247).  
 Waltz—Regent Club Orchestra, "My Dear" (Kahn) (4370).  
 Waltz—Rubinoff's Orchestra, "Blue Hawaii" (Baer) (4344).
- 10.30: Organ—Lew White, "Coquette" (Berlin) (4301).  
 Foxtrot—Bob Kemp's Orchestra, "My Lucky Star" (De Sylva) (4214).  
 Foxtrot—Bob Haring's Orchestra, "Huggable, Kissable You" (Bibo) (4359).  
 Foxtrot—Bob Kemp's Orchestra, "You Wouldn't Fool Me" (De Sylva) (4212).  
 Waltz—Copley Plaza Orchestra, "Pagan Love Song" (Freed) (4321).  
 10.45: Vocal—Zelma O'Neal, "Button Up Your Overcoat" (De Sylva) (4207).  
 Foxtrot—Copley Plaza Orchestra, "Dream Mother" (Lewis) (4323).  
 Foxtrot—The Captivators, "Building a Nest for Mary" (Rose) (4321).  
 Foxtrot—Six Jumping Jacks, "Oh, Baby, What a Night!" (Brown) (4351).  
 Foxtrot—Rhythm Aces, "Ace of Rhythms" (Smith) (7071).
- 11.0: Close down.

## 4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, NOVEMBER 22.

- 3.0: Town Hall chimes.  
 3.1: Selected gramophone items.  
 4.25: Sports results to hand.  
 5.0: Children's session, conducted by Aunt Sheila.  
 6.0: Dinner session—"His Master's Voice" Hour:  
 Reginald King's Orchestra, "Garden in the Rain" (Gibbons) (B2903).  
 Reginald King's Orchestra, "The Song I Love" (de Sylva) (B2903).  
 Waltz—International Concert Orchestra, "Gold and Silver" (Lehar) (Zonophone EF22).  
 Victor Olof Instrumental Sextet, "Cherry Ripe" (Scott) (B2697).  
 6.12: Tacet.  
 6.15: Waltz—International Concert Orchestra, "The Spanish Dancer" (Di Chiara) (Zonophone EF15).  
 Victor Concert Orchestra, "Romance" (Tschalkowsky) (Zonophone EF7).  
 Violin—Isidore Menges, "Salut D'Amour" (Elgar) (D1313).  
 6.26: Tacet.  
 6.30: Piccadilly Orchestra, "Friend o' Mine" (Sanderson) (B2857).  
 Piccadilly Orchestra, "None but the Weary Heart" (Tschalkowsky) (B2857).  
 Orchestra and grand organ—International Concert Orchestra, "My Treasure" (Becucci) (Zonophone EF15).  
 Victor Olof Instrumental Sextet, "Minuet" (Buccherini) (B2697).  
 6.42: Tacet.  
 6.45: Jack Hylton's Orchestra, "Melodious Memories" (Finck) (C1575).  
 Waltz—International Novelty Orchestra, "Emperor" (Strauss) (Zonophone EF22).  
 6.57: Tacet.  
 7.0: News session.  
 8.0: Town Hall chimes.  
 8.1: Overture—Celeste Quintet, "Rosamunde" (Schubert).  
 8.11: Contralto—Miss Gwenda Burt, "Awake" (Pellissier).  
 8.15: Pianoforte—Mrs. Spackman, "La Che Balersque" (Godard).  
 8.20: Tenor—Mr. L. E. Dalley, (a) "The Dream" (Rubinstein); (b) "Pierrot's Morning Song" (Cook).  
 8.27: Recital—Mr. Angus Gorrie, "When Your Pants Begin to Go" (Lawson).  
 8.31: Soprano—Miss Dorothy Sligo, (a) "Ave Maria" (Leoncavallo); (b) "From the Land of the Sky Blue Water" (Cadman).  
 8.38: Violin and piano sonata—Mr. and Mrs. Roy Spackman, "Sonata No. 2" (Beethoven).  
 8.48: Duet for two piccolos with orchestra—Bournemouth Municipal Orchestra, "Fluttering Birds" (Gennin) (Columbia 02809).  
 8.56: Baritone—Mr. William Ruffell, "Si Tu Savais" (Balle).  
 9.0: Weather report.  
 9.2: Instrumental—Celeste Quintet, (a) "Norwegian Dance No. 2" (Grieg); (b) "Agnus Dei" (Bizet).  
 9.14: Contralto—Miss Gwenda Burt, (a) "Break, Break, Break" (Grey); (b) "Danny Boy" (Weatherley).  
 9.21: Recitals—Mr. Angus Gorrie, (a) "Cato on 'Immortality'" (Addison); (b) "Lost Leader" (Browning).

- 9.27: Tenor—Mr. L. E. Dalley, "Columbine's Garden" (Besley).  
 9.31: Instrumental—Mr. Roy Spackman's Trio, "Trio" (F. E. Bach).  
 9.37: Soprano—Miss Dorothy Sligo, "The Nightingale of June" (Sanderson).  
 9.43: Instrumental—Celeste Quintet, "Ballet Egyptien" (Luigini).  
 9.53: Baritone—Mr. William Ruffell, (a) "The Emperor's Charlotter" (Mornement); (b) "Homeward to You" (Coates).  
 9.57: Duet for two flutes with orchestra—Bournemouth Municipal Orchestra, "Idylle Bretonne" (Gennin) (Columbia 02809).  
 10.1: Close down.

## Saturday, November 23

## 1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, NOVEMBER 23.

- 3.0: Afternoon session—Selected studio items.  
 4.0: Literary selection by the Announcer.  
 4.8: Studio items.  
 4.25: Sports results to hand.  
 5.0: Children's session conducted by Cinderella.  
 6.0: Dinner session—"Columbia" Hour:  
 Selection—Ray Starita's Ambassadors Band, "The Five o'Clock Girl" (Kalmar) (02886).  
 Paul Whiteman's Orchestra, "Song of India" (Rimsky-Korsakov) (07510).  
 6.12: Tacet.  
 6.15: Debroy Somers' Band, "The Singing Fool" Selection (arrgd. Connelly) (02920).  
 Choral—Don Cossacks Choir, "Serenade" (Abt) (02792).  
 6.27: Tacet.  
 6.30: Organ—Terence Casey, "Pleading" (Wood) (01633).  
 Band of the Royal Air Force, "Under the Double Eagle" (J. F. Wagner) (Regal G20533).  
 Pianoforte duet—Jean Wiener and Clement Doucat, "Why Do I Love You?" (Kern) (01563).  
 Albert Sandler's Orchestra, "C'est Vous" (Greenberg) (0993).  
 6.42: Tacet.  
 6.45: Paul Whiteman's Orchestra, "Tschalkowskiana" (07504).  
 Band of H.M. Grenadier Guards, "Wine, Women, and Song" (Strauss) (9029).  
 6.57: Tacet.  
 7.0: News and market reports, sports results.  
 8.0: Chimes.  
 8.1: Concert by the Auckland Municipal Band under the conductorship of Mr. Christopher Smith—broadcast on relay from the Auckland Town Hall.  
 10.0: "Columbia" Dance Programme from Studio:  
 Foxtrot—Paul Specht's Orchestra, "I Love You, I Love You, I Love You" (Firth) (01459).  
 Foxtrot—Piccadilly Players, "Who Did? You Did" (Kalmar) (01492).  
 Foxtrot—Starita's Band, "A Room with a View" (Coward) (01420).  
 Waltz—The Cavaliers, "I Loved You Then as I Love You Now" (Rose) (01401).  
 Waltz—The Columbians, "Marion" (01433).  
 10.16: Hawaiian—Kamehameha Glee Club, "Uluwehi O Kaala" (Kaninhom-anola) (01266).  
 One-step—Debroy Somers' Band, "Casabianca" (01470).  
 Foxtrot—Piccadilly Band, "Dance, Little Lady" (Coward) (01421).  
 Foxtrot—Paul Whiteman's Orchestra, "Louise" (Whiting) (7022).  
 Foxtrot—Ipana Troubadours, "Old-Fashioned Lady" (Silver) (01561).  
 10.32: Soprano—Marie Burke, "The Heart of the Sunset" (Cariton) (01581).  
 Waltz—Sannella's All-Star Trio, "Evangeline" (Jolson) (01630).  
 Waltz—The Cavaliers, "Lady Divine" (Shilkret) (01543).  
 Foxtrot—Piccadilly Players, "My Mother's Eyes" (Baer) (01646).  
 Foxtrot—Debroy Somers' Band, "Sarita" (Glick) (01470).  
 10.48: Tenor—Pete Wooley, "Moonlight Madness" (Davis) (01545).  
 Foxtrot—Lombardo's Royal Canadians, "I Love to Bumpity Bump" (01547).  
 Foxtrot—Paul Whiteman's Orchestra, "Nola" (Arndt) (07022).  
 Foxtrot—Ted Lewis's Band, "Limehouse Blues" (01548).  
 11.0: Close down.

## 2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, NOVEMBER 23.

- 3.0: Chimes of the G.P.O. clock.  
 4.30 and 4.50: Sports results to hand.  
 3.1: Selected gramophone items.  
 5.0: Children's session conducted by Uncle Toby and Aunt Gwen.  
 6.0: Dinner session—"Columbia" Hour:  
 Band de la Garde Republicaine de France, "Le Bombardier" (Pares) (01504).  
 Cello—W. H. Squire, "The Broken Melody" (Van Blene) (04180).  
 Albert Sandler's Orchestra, "I Kiss Your Hand, Madame" (Erwin) (01467).  
 Cinema organ—G. T. Pattman, "Charlie Waltz" (Valentine) (01344).  
 6.12: Tacet.  
 6.15: Court Symphony Orchestra, "The Gondollers" Selection (Sullivan) (979).  
 Paul Whiteman's Orchestra, "Gipsy" (Gilbert) (07505).

- 6.27: Tacet.  
 6.30: Albert Sandler's Orchestra, "Chalita" (Schertzinger) (01467).  
 Marimba Serenaders, "Paree" (Padilla) (Regal G20344).  
 Pianoforte—Gil Dech, "Sometimes I'm Happy" (Youmans) (01205).  
 Royal Serbian Tambouritzza Orchestra, "Serbian Melody" (01490).  
 6.42: Tacet.  
 6.45: Intermezzo—Ketelbey's Orchestra, "Bells Across the Meadows" (Ketelbey) (02695).  
 Rio Marimba Serenaders, "Dolores" Waltz (Waldteufel) (Regal G20344).  
 Cinema organ—G. T. Pattman, "Worryin'" Waltz (Fairman) (01344).  
 March—Bande de la Garde Republicaine de France, "Marche Indienne" (Sellenick) (01504).  
 6.57: Tacet.  
 7.0: News session, market reports and sports results.  
 7.40: Lecturette—Miss Inez Connop, "Dancing."  
 8.0: Chimes of the G.P.O. clock.  
 8.1: The Wellington Operatic and Theatrical Society (Inc.), assisted by the 2YA Salon Orchestra, present the musical numbers of "Our Miss Gibbs" (Monckton).

## CAST:

- Hon. Hughie Pierrepont (an amateur criminal) ..... R. E. Pope  
 Earl of St. Ives (Lord Eynsford's father) ..... Aubrey Beckford.  
 Slithers (a professional crook) ..... Doug. Stark  
 Mr. Toplady (manager of Garrod's Store) ..... Will Jameson  
 Lord Eynsford (in love with Mary Gibbs) ..... Ray Kemp  
 Mr. Beavis (the Earl's family solicitor) ..... Dudley Alexander  
 Mr. Amalfy (Director-General of the White City) ... Vic. Wesley  
 Timothy Gibbs (Mary's cousin from Yorkshire) .... Will McKeon  
 Lady Elizabeth (Betty) Thanet (engaged to Eynsford) ..... Pauline Shotlander  
 Madame Jeanne (modiste at Garrod's) ..... Edna Mears  
 Duchess of Minster (Lady Thanet's mother) ..... Rosina Exton  
 Mrs. Farquhar (an impecunious woman of fashion) ..... Ngairie Thompson  
 Nora, Sheila, Kathleen (Irish colleens), ..... Gwen Howell, Lyla Wright, Ena Rennie  
 Lady Connie, Lady Sybil, Lady Trixie, Lady Angela, ..... Lady Muriel, Lady Gwen (friends of Lady Thanet and bridesmaids),  
 Gretta Stark, Marjorie Oakes, Maisie Oakes, Dorothy McDonald, Caris Griffen, Thelma King  
 Six Dudes .. Messrs. Jim Cooke, Ian Webster, Phil Hinge, Ernie Le Grove, Percy Paget, and Edward Pankhurst  
 Our Miss Gibbs (Mary) ..... Joyce Woodward

Musical Director, Mr. J. F. Woodward.

Overture—2YA Salon Orchestra under the conductorship of Mr. Mat Dixon.

- Opening Chorus—The Company.  
 Solo—Mr. Ray Kemp, "My Yorkshire Lassie."  
 Chorus of Bridesmaids—"We're the Dear Little Ladies Selected."  
 Solo and Chorus—Miss Edna Mears and Company, "Hats."  
 Solo—Miss Pauline Shotlander, "Romance."  
 Chorus of Dudes—"Correct."  
 Solo and Chorus—Miss Joyce Woodward and Dudes, "Mary."  
 Solo and Chorus—Mr. R. E. Pope and Company, "Hughie."  
 Vocal Duet—Miss Joyce Woodward and Mr. Will McKeon, "Country Cousins."  
 Vocal Duet—Miss Joyce Woodward and Mr. R. E. Pope, "Not That Sort of Person."  
 Finale—Act 1—Company.

Weather report.

Entr'acte—Marek Weber's Orchestra. "The Beggar Student" (Millocker) (H.M.V. C1528).

- Opening Chorus—The Company.  
 Vocal Trio—Three Irish Girls, "Irish Colleens."  
 Vocal Solo—Miss Joyce Woodward, "In Yorkshire."  
 Sextet—Messrs. Pope, Jameson, Stark, Wesley, Kemp, and McKeon, "An English Gentleman."  
 Solo and Chorus—Pauline Shotlander and Company, "Arms and the Man."  
 Vocal Duet—Miss Joyce Woodward and Mr. Will McKeon, "Our Farm."  
 Chorus—The Company, "Moon Fairies."  
 Solo and Chorus—Miss Joyce Woodward and Company, "Moonstruck."  
 Finale—The Company.

10.0 (approx.): "Columbia" Dance Programme.

- Foxtrot—Ipana Troubadours, "Building a Nest for Mary" (Greer) (01617).  
 Slow foxtrot—Piccadilly Players, "Bogey Wail" (Wallace) (01567).  
 Foxtrot—Ipana Troubadours, "I Used to Love Her in the Moonlight" (Florito) (01617).  
 Waltz—Rhythmic Troubadours, "My Irish Paradise" (Tilsley) (Regal G20559).  
 10.12: Vocal duet—Layton and Johnstone, "Lady Divine" (Shilkret) (01658).  
 Foxtrot—Piccadilly Players, "Till Always be Mother's Boy" (Green) (01639).

Foxtrot—Paul Whiteman's Orchestra, "When My Dreams Come True" (Berlin) (07024).

- Foxtrot—Piccadilly Players, "There'll Be You and I" (Green) (01639).  
 Foxtrot—Piccadilly Players, "I'm Tickled to Death I'm Me" (Butler) (01567).  
 10.27: Cinema organ—Regal Cinema Organ, "Long Ago" (Elliott) (Regal G20558).  
 Foxtrot—Lou Gold's Orchestra, "Walking with Susie" (Gottler) (Regal G20528).  
 Foxtrot—Paul Whiteman's Orchestra, "Reaching for Someone" (Leslie) (07024).  
 Foxtrot—Bert Lown's Loungers, "Big City Blues" (Gottler) (Regal G20526).  
 Waltz—Cafe Royal Band, "Forever" (Yellen) (Regal G20551).  
 Waltz—The Cavaliers, "My Dear" (Kahn) (01646).  
 10.45: Sporting review.  
 11.0: Close down.

## 3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, NOV. 23.

- 3.0: Afternoon session—Selected studio items.  
 4.25: Sports results to hand.  
 5.0: Children's session conducted by Aunt Pat and Peterkin.  
 6.0: Dinner session—"His Master's Voice" Hour:  
 International Concert Orchestra, "In a Chinese Temple Garden" (Ketelbey) (EB4).  
 Salon Orchestra, "My Blue Heaven" (Whiting) (EB18).  
 Marek Weber's Orchestra, "Wine, Women, and Song" (Strauss) (C1407).  
 6.12: Tacet.  
 6.15: Victor Salon Orchestra, "The World is Waiting for the Sunrise" (Seitz) (EA186).  
 Wurlitzer organ—Chas. W. Saxby, "Sing Me to Sleep with a Twilight Song" (Gilbert) (5123).  
 Salon Orchestra—"Nola" (Arndt) (B2169).  
 Wurlitzer organ—Chas. Saxby, "Dance of the Blue Danube" (Gilbert) (5123).  
 6.27: Tacet.  
 6.30: Balalaika Orchestra. "Song of the Volga Boatmen" (traditional) (EA48).  
 Athenian Mandolin Quartet, "Aloha Land" (Ferera) (EA24).  
 Balalaika Orchestra, "Shining Moon" (EA48).  
 Hawaiian guitars, "Medley Waltz" (Allan) (EA24).  
 6.42: Tacet.  
 6.45: New Light Symphony Orchestra, "Just a Memory" (De Sylva) (EB3).  
 Selection—Savoy Orpheans, "Hit the Deck" (Youmans) (C1408).  
 6.55: Tacet.  
 7.0: News session.  
 7.30: Sports results to hand.  
 8.0: Chimes.  
 8.1: B.B. Wireless Symphony Orchestra, "La Boutique Fantastique" (Raspighi, arrgd. Carr) (Regal G30018).  
 8.9: Baritone—Mr. W. H. Inkster, "Queen of the Earth" (Pinsuti).  
 8.14: Cello—Mr. Harold Beck, "On Wings of Song" (Mendelssohn).  
 8.17: "The Chatterboxes" in twenty minutes of mirth and melody:  
 Sketch—"Will it come to this?" (French).  
 Song—"Sleepy Hollow Tune" (Kountz).  
 Sketch—"The Cook" (French).  
 Sketch—"Hat-tension" (West).  
 8.37: Christchurch Broadcasting Trio, "Trio No. 6" (Bohm).  
 8.47: Mezzo-soprano—Miss Nellie Billecliff, (a) "Old Man Might Have Been" (Besley), (d) "Down by the Sally Gardens" (Shaw).  
 8.51: Hawaiian—(a) "Under the South Sea Palms" (Johnsen), (b) "Moana Chimes" (Motzan) (Columbia 3525).  
 8.57: Scottish comedian—Mr. Bracey Wilson, "Up in Scotland" (MS.).  
 9.1: Weather report.  
 9.3: Selection—Debroy Somers' Band, "Good News" (De Sylva) (Columbia 02720).  
 9.11: Baritone—Mr. W. H. Inkster, (a) "Trooper Johnny Ludlow" (Temple), (b) "Till the Sands of the Desert Grow Cold" (Ball).  
 9.18: Cello—Mr. Harold Beck, "Serenade" (Squire).  
 9.22: "The Chatterboxes" in twenty minutes of mirth and melody:  
 Sketch—"Getting Married in the Modern Way" (West).  
 Vocal duet—"Mellow Moon" (Hall).  
 Sketch—"Zoological" (French).  
 9.42: Christchurch Broadcasting Trio, (a) "April's Lady" (Ancliffe), (b) "Cradle Song" (Schubert), (c) "Hungarian Dance No. 1" (Brahms).  
 9.52: Mezzo-soprano—Miss Nellie Billecliff, (a) "Lad's Love" (Coningsby Clarke), (b) "Sing Merrily To-day" (Phillips).  
 9.56: Debroy Somers' Band, "The Toy Town Artillery" (Frederick) (Columbia 00306).  
 9.59: Scottish comedian—Mr. Bracey Wilson, "Just a Wee Deoch and Doris" (Lauder).  
 10.2: "His Master's Voice" Dance Programme:  
 Foxtrot—Shilkret's Orchestra, "Rio Rita" (McCarthy) (EA315).  
 Foxtrot—George Olsen's Music, "Breakaway" (Gottler) (EA554).  
 Foxtrot—Shilkret's Orchestra, "The Kinkajou" (McCarthy) (EA315).  
 Waltz—Jean Goldkette's Orchestra, "Can You Blame Me?" (Goodwin) (EA519).  
 10.15: Male quartet—The Revellers, "Evenin'" (Moret) (B2972).  
 Foxtrot—Park Central Orchestra, "Wait Till You See Ma Cherie" (Robin) (EA543).



- Foxtrot—George Olsen's Music, "Big City Blues" (Gottler) (EA554).  
 Foxtrot—Park Central Orchestra, "Louise" (Robin) (EA543).  
 Foxtrot—Waring's Pennsylvanians, "That's How I Feel About You" (Davis) (EA516).  
 Waltz—Victor Arden's Orchestra, "Twelve o'Clock" (Rose) (EA557).  
 10.33: Organ—Jesse Crawford, "Carolina Moon" (Davis) (EA536).  
 Foxtrot—George Olsen's Music, "In a Little Town Called 'Home, Sweet Home'" (Donaldson) (EA516).  
 Foxtrot—Hamp's Serenaders, "What D'ya Say?" (Brown) (EA460).  
 Foxtrot—Jack Hylton's Orchestra, "Laughing Marionette" (Collins) (EA541).  
 Waltz—Arcadians Dance Orchestra, "Nicolette" (Batten) (5201).  
 10.48: Male quartet—The Revellers, "Comin' Home" (Deppen) (B2972).  
 Foxtrot—Aronson's Commanders, "My Scandinavian Gal" (Tobias) (EA460).  
 Foxtrot—Arcadians Dance Orchestra, "Bluebird, Sing Me a Song" (Davis) (5201).  
 Foxtrot—Jack Hylton's Orchestra, "Up in the Clouds" (Ruby) (B5612).  
 Foxtrot—Jack Hylton's Orchestra, "I Kiss Your Hand" (Erwin) (EA519).  
 11.0: Close down.

#### 4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, NOVEMBER 23.

- 3.0: Town Hall chimes.  
 3.1: Selected gramophone items.  
 4.25: Sports results to hand.  
 5.0: Town Hall chimes.  
 5.1: Children's session conducted by Big Brother Bill.  
 6.0: Dinner session—"Parlophone" Hour:  
 Edith Lorand Orchestra, "Johann Strauss" Fantasia (Strauss) (A4044).  
 Piano and orchestra—Raie da Costa and Orchestra, "When Day Is Done" (De Sylva) (A4041).  
 6.12: Tacet.  
 6.15: Hawaiian—David Kaili, "Honolulu March" (A2464).  
 Cinema organ—Leslie Harvey, "Where the Shy Little Violets Grow" (Warren) (A2695).  
 Waltz—Dajos Bela Orchestra, "The Grenadiers" (Waldteufel) (A4081).  
 Saxophone—Arnold Brilhart, "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).  
 Dajos Bela Orchestra, "Dancing Demoiselle" (Fall) (A4008).  
 6.42: Tacet.  
 6.45: Selection—Edith Lorand Orchestra, "Dollar Princess" (Fall) (E10512).  
 Waltz—Dajos Bela Orchestra, "Casino Tanze" (Gungl) (A4081).  
 6.57: Tacet.  
 7.0: News session.  
 8.0: Relay of 3YA, Christchurch (Vaudeville Programme).  
 10.0: "His Master's Voice" Dance Programme:  
 Foxtrot—Jack Hylton's Orchestra, "Laughing Marionette" (Collins) (EA541).  
 Foxtrot—Jack Hylton's Orchestra, "Sweetheart of All My Dreams" (Lowe) (EA540).  
 Foxtrot—George Olsen's Music, "Come West, Little Girl, Come West" (Kahn) (EA537).  
 Foxtrot—Arcadians Dance Orchestra, "I Ain't Never Been Kissed" (Gilbert) (Zonophone 5328).  
 Waltz—Nat Shilkret's Orchestra, "Lady Divine" (Kountz) (EA529).  
 10.15: Comedian—Frank Crummit, "The King of Borneo" (Crummit) (EA524).  
 Foxtrot—Nat Shilkret's Orchestra, "Wedding Bells" (Kahal) (EA546).  
 Foxtrot—Rhythmic Eight, "Saskatchewan" (Gilbert) (Zonophone EE126).  
 Foxtrot—Connecticut Yankees, "I'm Just a Vagabond Lover" (EA580).  
 Waltz—Gus Arnheim's Orchestra, "Sleepy Valley" (Hanley) (EA583).  
 10.30: Humorous duet—Dora Maughan and Walter Fehl, "Eggs, Toast, and Coffee" (Merrill) (B3000).  
 Foxtrot—Jack Hylton's Orchestra, "Ever So Goosey" (Wallace) (EA578).  
 Foxtrot—Nat Shilkret's Orchestra, "Who Cares What You Have Been?" (Freed) (EA570).  
 Foxtrot—Rhythmic Eight, "Don't Be Like That" (Vinkord) (Zonophone EE154).  
 Waltz—Jean Goldkette's Orchestra, "That's What Put the 'Sweet' in 'Home, Sweet Home'" (Thayer) (EA492).  
 10.48: Tenor—Franklyn Baur, "I'm Bringing a Red, Red Rose" (Donaldson) (EA538).  
 Foxtrot—Waring's Pennsylvanians, "A Love Song of Alsace Lorraine" (Davis) (EA561).  
 Waltz—Jesse Crawford's Orchestra, "She's a New Kind of Old-Fashioned Girl" (EA566).  
 Waltz—Arcadians Dance Orchestra, "Anita" (Pollack) (Zonophone EE154).  
 11.0: Close down.

## Sunday, November 24

#### 1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, NOVEMBER 24

- 3.0: Afternoon session—selected studio items.  
 4.0: Literary selection by the Announcer.  
 4.8: Studio items.  
 6.0: Children's session, conducted by Uncle Leo.  
 6.55: Relay of service from Beresford Street Congregational Church:—  
 Preacher: Rev. L. B. Fletcher. Choirmaster: Mr. William Gemmell.  
 8.30 (approx.): Studio concert:  
 Metropolitan Symphony Orchestra, "Tannhauser" overture (Wagner) (Broadcast 5003).  
 Soprano—Miss Laura Walker, (a) "Le Roi D'ys" (Lalo); (b) "Charm of Spring" (Clark).  
 Recital—Mr. Joe Clark, "From My Scrapbook."  
 Violin—Peggy Cochrane, Excerpt from "Andante Concerto in E Minor" (Mendelssohn) (Broadcast 5042).  
 Baritone—Mr. Walter Brough, "Eri Tu Che Machiavi" (Verdi).  
 Organ—Berkeley Mason, "Polonaise in A Major" (Chopin), (Broadcast 5065).  
 Soprano—Miss Laura Walker, "Joy of Life" (Brett).  
 Metropolitan Symphony Orchestra, "Hungarian Dances" Nos. 1 and 2 (Liszt) (Broadcast 5083).  
 Recital—Mr. Joe Clark, "More From My Scrapbook."  
 Pianoforte—Maurice Cole and Metropolitan Symphony Orchestra, "Concerto Op. 16 in a Minor—3rd. Movement" (Grieg) (Broadcast 5016).  
 Baritone—Mr. Walter Brough, (a) "Yeomen of England" (German); (b) "I Heard You Singing" (Coates).  
 Band of H.M. Welsh Guards, "King's Guards" March (Keith) (Broadcast 302).  
 9.30: Close down.

#### 2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, NOVEMBER 24.

- 3.0: Afternoon session—Selected studio items.  
 6.0: Children's song service conducted by Uncle George.  
 7.0: Relay of service from Vivian Street Church of Christ. Preacher, Pastor W. G. Carpenter; Organist, Mrs. L. Simcock; Choirmaster, Mr. W. G. Carpenter.  
 8.15 (approx.): Studio concert by the Port Nicholson Silver Band, under the conductorship of Mr. G. Kerr (Deputy-Conductor), and assisting artists:  
 Hymn—Band, "Silver Hill."  
 Overture—Band, "La Flandre" (Bouillion).  
 Soprano—Miss Isabel Cooper, (a) "Slave Song" (Del Riego); (b) "I Hear a Thrush at Eve" (Cadman).  
 Lener String Quartet, "Mennetto—Quartet in D Major" (Haydn) (Columbia 04213).  
 Contralto—Miss Edith Buckmaster, "The Lover's Curse" (arrgd. Hughes).  
 Cornet solo with band accompaniment, Bandsman C. Eades, "London-derry Air" (arrgd. Hawkins).  
 Baritone—Mr. Harry Matthew, "Les Bameaux" (Faure).  
 Selection—Band, "Il Trovatore" (arrgd. Round).  
 Weather report.  
 Soprano—Miss Isabel Cooper, (a) "A Castilian Lament" (Del Riego); (b) "That's All" (Brahe).  
 Euphonium solo with band accompaniment—Bandsman A. Kaye, "Drink to Me Only With Thine Eyes" (arrgd. Hawkins).  
 Contralto—Miss Edith Buckmaster, (a) "Caprice" (Furell), (b) "How Many a Lonely Caravan" (Woodforde-Finden).  
 Intermezzo—Band, "Cinderella's Procession" (Weir).  
 Baritone—Mr. Harry Matthew, (a) "The Lute-Player" (Allitsen), (b) "The Banjo Song" (Homer).  
 Don Cossacks Choir, (a) "Kolj Slavenj" (Bortnjansky), (b) "Tri Piensi" (Three Folk Songs) (arrgd. Dorowen) (Columbia 02712).  
 March—Band, "Punchnello" (Rimmer).  
 Close down.

#### 3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, NOVEMBER 24.

- 3.0: Afternoon session—selected studio items.  
 5.30: Children's song service (Children of the Presbyterian Sunday Schools).  
 6.15: Hymn tunes from studio.  
 6.30: Studio concert:  
 Organ—G. T. Pattman, "Liebestraum" (Liszt) (Columbia 01003).  
 Violin—Miss Mary Martin, (a) "Romance" (D'Ambrosio); (b) "Chanson Polonaise" (Wieniawski).  
 Chorus—Grand Opera Chorus, "King's Prayer" ("Lohengrin") (Columbia 02592).  
 Violin—Miss Mary Martin, "Allegro" (Harold Henry).  
 Chorus—Chauve Souris Company, "A Russian Barcarolle" (Varlamoff) (Columbia 02525).  
 7.0: Relay from Knox Presbyterian Church, Bealey Avenue. Preacher: Rev. T. W. Armour. Organist: Mr. Alan Welbrock. Musical Director: Mr. W. H. Dixon.  
 8.15 (approx.): Studio concert.

Christchurch String Quartet, under the conductorship of Professor Oddone Savini—"Allegro Moderato" and "Scherzo" ("Quartet No. 2") (Borodin, arrgd. Savini).

- 8.25: Columbia Symphony Orchestra, (a) "March of the Bojaren" (Halvorsen) (b) "Bridal Procession" (Grieg) (Columbia 02622).
- 8.33: Boy soprano—Trevor Schofield, "Good-night, said the Cuckoo" (Harding) (Columbia 01503).
- 8.36: Christchurch String Quartet, "Adagio Minuet" ("Sonata Pathétique") (Beethoven).
- 8.46: Tenor—Herbert Brown, "One Flower Grows Alone in Your Garden" (Romberg) (Columbia 01517).
- 8.49: Grand organ—Francis Sutton, "Suite Gothique" (Boellman): 1. Choral. 2. Menuet Gothique (Columbia 01878).
- 8.57: Duet and chorus—Marise Beaujou, M. Bordon and chorus, "Faust—Church Scene" (Gounod) (Columbia 02843).
- 9.5: Christchurch String Quartet, "Andante Cantabile" ("Quartet Op. 11") (Tchaikowsky).
- 9.14: Chorus with orchestra—La Scala Chorus, "Otello—La Tempesta" and "Otello—Fuoco di Gioia" (Verdi) (Columbia 02723).
- 9.22: Lucerne Kursaal Orchestra, "Orpheus in the Underworld" (Offenbach) (Columbia 02839).
- 9.30: Close down.

#### 4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, NOVEMBER 24.

- 2.0: Town Hall chimes.
- 3.1: Selected gramophone items.
- 5.30: Children's song service conducted by Big Brother Bill.
- 6.30: Relay of service from St. Andrew's Street Church of Christ (Preacher, Pastor W. D. More; Organist, Miss Stokes).
- 7.55: Weather report.
- 8.5: Relay from St. Kilda Band Rotunda of concert by the St. Kilda Band.
- 9.15: Close down.

## Head-phone Connections

BE careful to see that the tag of the telephone marked "positive" is connected to the correct terminal on your set. Many sets are marked with "positive" and "negative" on the telephone terminals, but if your set is not so treated look inside and see which of the two telephone terminals is connected directly to the high tension positive. That so connected is the positive telephone terminal, and your positive telephone tag should always be connected to this particular terminal.

This is not a fad, but is due to the fact that if your telephones are pro-

perly connected the steady plate current continually passing through them will add to the permanent magnetism of the telephones themselves, whereas if they are wrongly connected this current may steadily tend to demagnetise your 'phones, reducing their sensitivity considerably.

Telephones which have been dropped frequently often are far less sensitive than those which are properly kept. The reason for this is that any jolt or jar tends to upset their magnetism.

It is not, of course, suggested that a screened-grid valve is essential in every kind of receiver, but for the modern, up-to-date multi-valve set, capable of bringing in twenty or thirty stations, the screened-grid valve naturally is incorporated.

## Volume Control

### Problems of A.C.

CONSIDERABLE doubt exists regarding the methods of controlling volume in A.C. sets, and no constructor of these popular receivers is free from this problem. The favourite method of controlling volume in the battery-operated sets was to vary the filament temperature on one or more of the R.F. valves. Although some manufacturers of A.C. sets use this method to-day on A.C. valves of the 228 type, it is not considered ideal. The heating of the heavy filament is slow in following the rheostat adjustment, and this naturally introduces a very annoying time lag. It is particularly noticeable when trying for distant reception. Another method of controlling volume sometimes resorted to in both A.C. and D.C. sets is to detune. This has the objectional effect of tuning the sidebands to the resonance. This causes distortion, and with these ultra-selective receivers of to-day this distortion is serious.

If the bias of the r.f. valves can be reduced simultaneously with the filament temperature, this will hold up the plate current and keep out the ripple. Some bias must be maintained at all times, however, as an even flow of grid current, and consequent modulation and distortion of the signal will result without it.

A high variable resistance across the secondary of the first audio transformer has been used by some, but this method is not recommended as it has a tendency to overload the detector. Varying the grid bias as a means of volume control is quite effective with circuits using the 227 type valves, but it is not recommended with the 228's, as this method is apt to shorten the life of the valve. A high variable resistance (100,000 ohms) in the plate supply of the R.F. plate returns will reduce the volume, but this is not the best method.

It would seem that the most logical procedure in controlling volume is to go to the heart of the matter and control the signal, instead of trying to suppress it after it is amplified or rectified. Naturally this must be done in the antenna circuit. The most approved method is vary the coupling of the antenna and the grid coil. This has the advantage of rendering the set more or less selective as the wishes of the operator might be. Unfortunately this cannot be done in all types of receivers, e.g., the Browning-Drake. If it is possible to rotate the primary antenna winding or secure a similar effect through taps, it is strongly recommended that this be done to obtain best results. A semi-aperiodic antenna coil of 8 or 10 turns of wire, wound round a bakelite former and variable 8 in its relation to the secondary, will work out very well.

A variable resistance with a maximum of about 500,000 ohms, in shunt with the antenna coil, will control volume quite satisfactorily. It is suggested that for local or very strong signals that the aerial be disconnected from the set. This may be done with a snap switch connected in series with the aerial. Another very satisfactory manner is to connect the ground wire to the antenna circuit and leave off the aerial.

## Topical Notes

DESPITE unfavourable atmospheric conditions and a heavy background of parasitic noises, the rebroadcast by 2YA of the running description of the Melbourne Cup was fairly successful. The commentary was broadcast by Station 3ME, the short-wave station of 3LO, Melbourne. It appears that the short-wave Sydney station 2ME, was no better than 3ME in volume, and there was a considerable amount of land time background owing to the 500 miles separating Melbourne and Sydney. 3ME was heard very loudly and distinctly from the studio before switching over to the racecourse, but when the latter was effected the background noises were very apparent.

A CERTAIN Wellington short-wave Morse station (not an amateur) situated in the Newtown district made itself obnoxious when the technicians of 2YA, Wellington, were endeavouring to rebroadcast the Melbourne Cup description from the short-wave broadcast station 3ME. The said local Morse station employs 1500 watts, and its note "hammered in" on top of the Melbourne station just before the barrier went up for the Cup race. This spoilt reception of much interesting preliminary talk from 2YA.

THE actual description of the running of the Melbourne Cup from the Flemington racecourse was given by Mr. Eric Welch, 3LO's famous sporting announcer. The description of the race was wonderful, and those who heard it could easily visualise what was happening. Mr. Welch never hesitated, never stumbled, never allowed personal excitement to obtrude, and carried his vast invisible audience with him from start to finish. It was a classic achievement on the part of the announcer, and should stand as an example to those ringside announcers who invariably lose their heads under stress of excitement, and leave their listeners "in the air" wondering what is happening.

SOME Australian listeners contrive to tune in the American stations even at this season of the year. Here are some of the Americans they hear frequently:—KHJ, Los Angeles, 333.1 metres, 1000 watts (just under 1YA, Auckland); KPLA, Los Angeles, 526 metres; KFRQ, San Francisco, 492 metres; KFI, Los Angeles, 460 metres; KFVD, Venice, U.S.A., 428 metres; KOMO, Seattle, 326 metres; KFWB, Los Angeles, 316 metres; KPLA, Los Angeles, 300 metres; KNX, Hollywood, 286 metres; KMOX, St. Louis, 275 metres; KMIC, Inglewood, 268 metres; KEX, Portland, 254 metres; KFOX, Long Beach, 240 metres; KPQ, Seattle, 248 metres; KGER, Long Beach, 219 metres. All the foregoing stations are heard in South Australia up till 9.30 o'clock (N.Z. time) each evening. A very full and useful list giving both wavelength and frequency is found in "All About the All-Electric."

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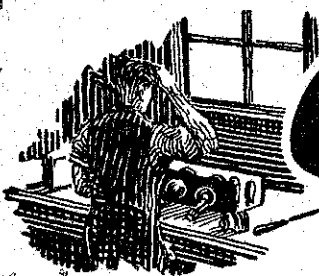
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# Questions and Answers



## Defective Batteries.

"G. A." (Invercargill) states that since shifting his factory-built set and driving his speaker by means of a connection through the wall he has not had success. One of the valves will not light.

"A." Although the set worked before this alteration we suspect that the batteries are at fault, the greater lead to the speaker will occasion a greater voltage drop, and unless the batteries are well up they will not be able to sustain it. The fact that the valve does not light indicates either that the valve itself is at fault or the batteries will not supply enough current to light the filament. It is possible that the new position of the speaker is causing a faulty contact, making a high-resistance connection.

## Failing to Log 4YA.

"J. F.O. (Nelson), who has just shifted into the district, states that he cannot receive 4YA in his new locality.

"A." It appears that he is in a bad position. Each station has a zone in which it is difficult for a receiver to pick it up, and it appears that our correspondent has happened into one of these. Maybe the set has been damaged in transit and rendered less sensitive.

## Power Transformer Interference.

WE are in an unfortunate position, writes "Transformer" (Waitotara), for a power transformer close by occasions a great deal of interference. Can we do anything to minimise this in the way of altering the direction of the aerial?

"A." Yes. The aerial should point away from the transformer. If this does not minimise the interference, erect a counterpoise, which in effect is another aerial slung under the main aerial at a distance from the ground just sufficient to be out of the way. See our article on "Interference" published a short time ago.

## A.C. Adapter.

COULD you send me the circuit of an all-electric adapter and also explain what you mean by saying "the use of batteries were required?" writes "T.N." (New Plymouth).

"A." All-electric short-wave adapters are rarely recommended for amateur construction and it is usual to employ one of the battery models. So long as battery current is used on the filament, eliminator current may be used on the plate. For the filament dry cells would be sufficient. A suitable adapter was described in the "Listeners' Guide," but omit the fixed condenser between "P" of the valve socket and A plus.

## Oscillation Trouble.

I HAVE a new kit set, writes D.M.L. (Hawera), but find that I cannot turn down the filament current without causing oscillation. If I wish to control volume I must detune.

"A." There may be several reasons for oscillation, as it seems that this is the cause of the trouble. There may be an open neutralising system (if this is used with the screen grid valve), excessive plate voltage on the R.F. valve, excessive grid bias on the screen grid or open bypass condensers between the plate of the

radio valve and the filament circuit. Examine these points carefully and if necessary apply the continuity test with either a pair of telephones or a voltmeter and a small battery.

## Excessive Filament Voltage.

"RHEOSTAT" (Oamaru) has constructed the "Radio Record" "B" eliminator, and has had considerable success. He used the filament winding to light a power valve, but in this part of the business was unsuccessful. One valve was burnt out, and he now wants to know how he can test the filament potential.

"A." It is advisable to obtain a reliable A.C. meter. These are readily obtainable and will read low voltages from half a volt to about seven. They are, however, rather expensive, and it would not be advisable to purchase one for a single test. The easier method is to obtain two 30 ohm rheostats and insert one in each of the leads from the filament winding to the valve. Turn these into the maximum position and try another valve. If an old one of which the emission is almost exhausted is not readily obtainable get a torch bulb registered at four volts and try it in the circuit. If it burns out or unduly bright increase the resistance, but be quite certain that the resistance will carry the current.

## Units for Cone Speaker.

I HAVE made a large linen cone speaker, writes W.M.B. (Matamata), but I am unable to obtain a suitable balanced armature unit with a reed of necessary length. With both Blue Spot and Baldwin units the reeds are too short.

"A." Use either and extend the reed by tapping it and threading on a collar and an extension reed. Suitable tapped rods may be obtained from almost any radio dealer or failing these from Fear and Co., Wellington.

WHAT is the difference between 66A and 66K units? asks J.B. (Nelson).

"A." 66A is not adjustable, whereas 66K is. 66A and 66 Anchor differ only slightly.

2. If the rheostat is turned full on there is less volume when it is about half on. Is this usual?

"A." There may be two reasons for this. Either the valve is, with the rheostat half on, heated to its maximum and further heating causes choking, or with the greater emission with the rheostat full on, either the valve or the speaker is overloaded. This would first manifest itself by distortion.

3. If I disconnect the detector or r.f. lead I can still hear weak signals. Is this correct?—Yes.

4. I have a four-pole 6-volt car generator which I wish to use for a battery charger. It works all right in a motor but will not generate. What is the cause of this?

"A." The question is not clear. Does the correspondent mean that it will work all right with the motor, but will not function satisfactorily when charging an outside battery. If this is the case, or if it will not charge at all, it is a case for a motor electrician.

## 2RF Browning Drake.

I HAVE just finished the 2RF Browning Drake described in the Radio

"Listener's Guide," writes R.A.B. (Kaiapua), but am in doubt as to whether the end of the secondary winding of the secondary radio frequency transformer should be connected with A+ or A—.

"A." A negative bias is always applied to the radio frequency valves so that the connection (the grid return) will be joined to A— as shown in the lay-out diagram.

2. I have used .00035 condenser in all four position; how many turns shall I put on the aerial coil for one of these condensers?

"A." Use 24 gauge double silk covered wire and wind on 68 turns without any space. This would be the specification for all grid coils tuned with these condensers.

3. The reaction condenser does not have any effect. With the tickler in position as per instructions, the set is uncontrollable.

"A." Reduce the number of turns on this coil and include a by-pass condenser between the plates of the radio frequency valves and A— or earth.

## Screen Grid Detector Two.

CONCERNING this receiver, K.A.K. (Oamaru) asks the number of turns for broadcast coils for this set.

"A." As the aerial is tuned with a .0001 condenser, two coils will be necessary. Using 24 gauge wire D.S.C. the number of turns is as follows:—150-300 metres, 80 turns; 300-500 metres, 160 turns.

Note.—There was a slight confusion in the text, follow the diagram for connections.

## Improving Selectivity.

HOW can I improve the selectivity of my set? asks "D.F.B." (Dunedin). The tuning condenser has 21 movable plates, with a honeycomb coil. I find

the local station, even when very low power, comes in all over the dial.

"A." The simplest way to improve the selectivity of any set is to build a wave-trap like that described in the "Radio Listeners' Guide." Other methods are reducing the coupling between the aerial and the grid coil of the first r.f. transformer, putting the condenser in series with the aerial, and shortening the aerial.

2. I have added a two-valve amplifier, but when I heat the filament to anything like the correct voltage the hiss becomes too loud to hear the distant stations. I hear 2BL very weakly, no stronger than with the single detector. The voltages and grid bias are O.K. and the set oscillates properly.

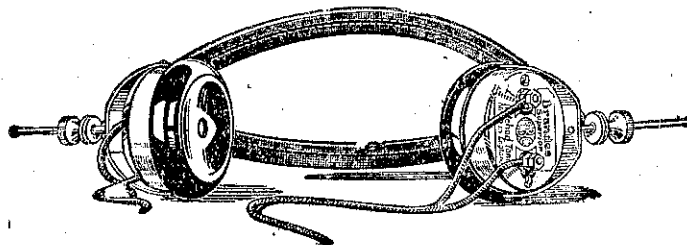
"A." There appears to be either a mistake in the wiring or a defective component. Taking it for granted that you have thoroughly checked up the wiring and compared it with an authentic diagram we should suspect first the audio transformers. Try reversing the connections to the primary and test these by the continuity method. This commonly known as the 'phones and cell has been several times described in the "Radio Record" and the "Listeners' Guide." Heating the valve past its allotted temperature will not increase the emission but will shorten its life.

## Converting a Set to A.C.

M.K. (Wellington) has raised some interesting points relative to the conversion of a three-valve set to A.C. He has enclosed a copy of his circuit, in which we have marked the changes necessary to make this an all-electric. (1) My valves will consume 1.95 amps. If I wire the transformer with 18-gauge will this be sufficient?

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## Eliminating Grid-Bias Batteries

### Introduction of Resistance

IN order to maintain perfect reproduction, it is advisable to renew average set-owner, after installing this average set-owner, after installing the battery, usually forgets all about it, and later wonders why the quality of his reception is falling off. Constant purity of reception, however, can be obtained by dispensing with the grid-bias battery, and securing the necessary potential from the "B" battery supply.

Although the following method is quite applicable for use with dry battery or accumulators, it will be found most satisfactory for use with a mains eliminator, either A.C. or D.C. Roughly, the scheme works this way. A resistance is connected between the A battery supply and the negative terminal of the B battery supply. For a safeguard, and also for preventing motor-boating, it should be shunted with a large-capacity fixed condenser.

The presence of the resistance in the circuit results in a voltage drop, and this can be utilised to provide grid-bias. The bias wander plug is carried to some point on this resistance, de-

pending on the grid voltage required. The one disadvantage is that the "B" battery voltage is reduced by the amount of the grid voltage thus tapped off, but usually this is of no importance when using mains eliminators.

Two or three valves can be supplied with grid-bias current in this way, but each tapping must be shunted by an earthing condenser of 2 microfarads or so. The value of the resistance depends on the B battery current, and should be calculated accurately when the value of grid-bias voltage required is known. A resistance which can be varied from 500 to 2000 ohms is generally quite suitable.

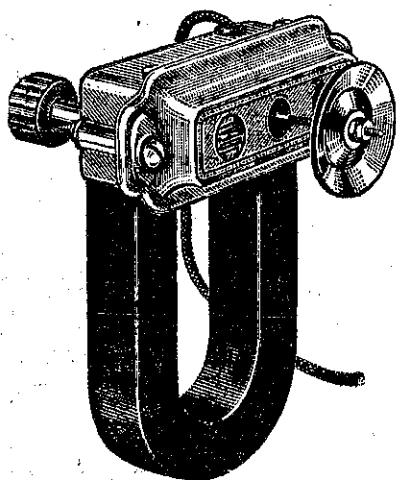
Do not attempt to use an H.T. supply unit unless this has been properly constructed on "safety first" principles.

FAULTY switches in the house wiring often give rise to loud clicks and roars on the loudspeaker, which disappear when the switch contact is attended to by an electrician.

Have you obtained your copy of the "N.Z. Radio Listener's Guide"?

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66K is essentially a completely discharged 4-pole magnet unit which drives the cone spindle through a perfectly straight line movement. The special steel used for the magnet permits of an enormous flux, thus making the unit exceptionally sensitive. The armature—the only part liable to give a natural resonance—has been carefully damped and is to all intents and purposes dead silent in action. The unit reproduces all audio frequencies from 50 to 7,000 cycles without giving undue prominence to either end of the register. 66K has a special adjuster for regulating the gap between the butterfly piece and the four poles of the magnet.

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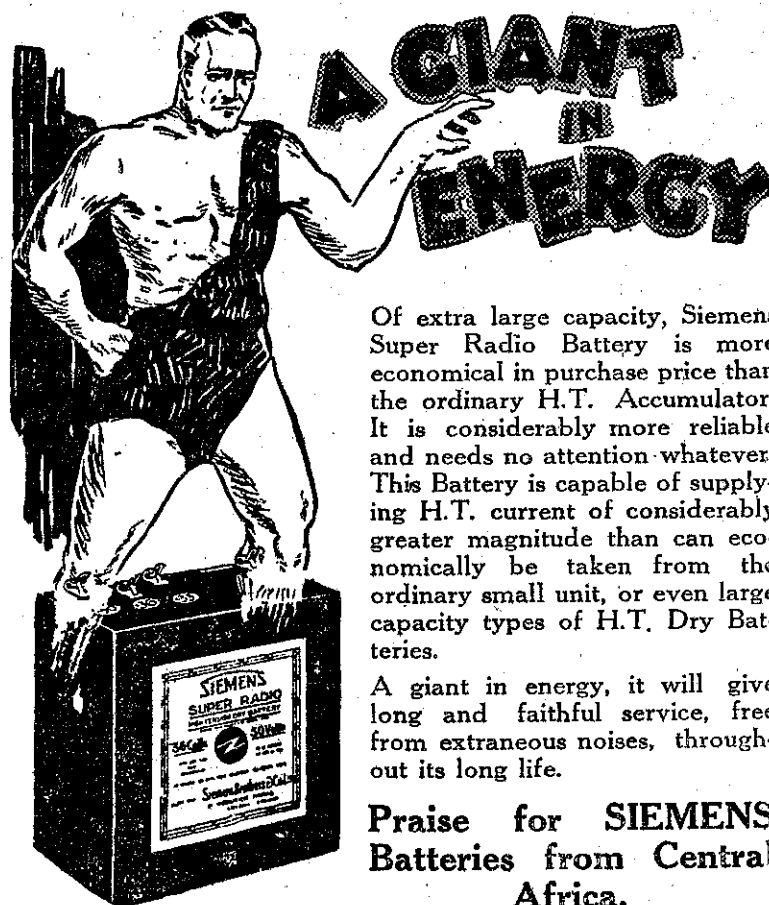
159 MANCHESTER STREET, CHRISTCHURCH

## Countersinking in Ebonite

WHEN constructing a wireless set it is often found necessary to countersink those holes in the panel which take screws for the panel brackets, of those screws along the bottom edge which help to keep the panel and baseboard safe and secure. If the constructor does not possess a countersinking bit, a good plan is to use a large twist drill. The drill used for making holes for one-hole fixing components will be found suitable, and two or three turns of this will quickly bring about the desired effect. Do not press too hard on the drill, as it will bite into the ebonite and either leave a jagged hole or else make much

## Label Your Valves

A PIECE of plain paper stuck on the bulb of the valve and marked with the date of purchase and the general characteristics will often save a lot of hunting through data sheets, and also show whether the valve has given reasonable life. Do not use ordinary stamp paper, or even ordinary pastes or gums, but one of the stronger adhesives, such as seccotine. Otherwise the paper may scale off when dried by the slight heat of the valve. The most generally useful facts to put on this label are date of purchase, maximum plate voltage, filament voltage, impedance, amplification factor, and, in the case of super power valves, anode current and grid bias.



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Sirs,—I thought it might interest you to know that I have had three of your 50-volt Super Radio Extra Capacity Batteries in use here since October, 1927. Normally they run a 3-valve short-wave receiver, but I have also used them for working a short-wave transmitter, C.W. and phone for about a month, taking at times a feed of 60 M/a. I was heard in Australia while using them. They are still going strong, and are the first batteries I have found to stand up so well for the time (8 months) in this trying climate

**SIEMENS**  
Super Radio Battery

(Continued from last week.)

THE problems encountered in a receiver without screening having been treated fairly fully, it remains to deal shortly with the special problems introduced by metal screens. It is fairly well known that introducing any metal object within the field of an inductance coil increases its losses, the loss appearing in the form of an increased high-frequency resistance. What is not so well known, is that the inductance is also reduced by the presence of a metallic screen or other object in the field of the coil. Some readers will remember the "Peridyne" receiver once introduced in America in which this phenomenon was utilised for matching inductances so as to permit of single-control tuning. Older readers will remember the once popular "spade-tuning", wherein tuning was effected by bringing a metal sheet nearer to or further from the inductance coil, thus varying its effective inductance. The metal acts as a short-circuited secondary, the coil being the primary, and the result that of loading the coil with a resistive load.

From every point of view, then, it is imperative that the screening must be kept clear of the denser parts of the coil's field. Experiment has indicated that a sound working rule is to have all screening distant from the ends of the coils at least the diameter of the coil, and distant from the sides of the

coil at least half that diameter; thus a coil of diameter 3 inches and winding length 3 inches, mounted vertically, would demand a screening compartment of height 9 inches; if the same coil were mounted horizontally, a height of 6 inches would suffice. Where it is desired to screen only a coil, rather than a complete high-frequency stage, "Swan" cylindrical hot-water bottles (aluminium) with the top cut off may conveniently be inverted over a 2-inch diameter coil, this being disposed centrally within the adapted bottle; the coil must, of course, be mounted on a disc of aluminium to screen the underside—it is hardly necessary to add that all screening must be connected to the filament circuit.

For winding broadcast coils, a solid former should be used rather than a skeleton one of celluloid, as no appreciable loss will be introduced. The former should, however, be of high-quality insulating material, and cardboard should be avoided; hard rubber is

really best, but formica, bakelite, or paxolin are almost equally good. A ribbed former may be used if desired, but it confers no particular advantages, contrary to popular opinion.

We have now treated all the considerations which should enter into coil design; a summary of the procedure of design is appended:—

(1) From the considerations outlined in this article, determine the most suitable diameter and ratio of winding length to diameter to suit the particular circumstances.

(2) Determine what value of tuning condenser is to be used, and from this the required value of inductance.

(3) From the appropriate chart read off the number of turns required to reach this inductance with the diameter and shape already decided upon.

(4) Read off the optimum diameter of wire and ascertain the nearest standard gauge to this; this gauge should be used.

(5) If the coil is to be close-wound, ascertain what class of insulating covering will distribute the required number of turns of the chosen gauge of wire over the allotted winding length.

A close wound coil will show some loss of efficiency as compared with a space wound coil of the same dimensions and using the same gauge of wire. Silk-covered wire can usually be space-wound without a threaded former by winding a thread of suitable thickness along with the wire and between the turns; enamelled wire merely slips out of place if the former is not grooved, and even the silk wire must be wound very tightly indeed to avoid trouble. Any garage possessing a screw-cutting lathe will usually groove a former with the required number of grooves per inch. In cases where this can not be done a fine wire (uninsulated) can be interwound with a thread to distribute the necessary number of turns over the allotted space, and a heavy current passed through the wire to heat it sufficiently to burn a shallow groove in the former; this little dodge will only work with a hard rubber former, however.

## Inductance Coil Design

### Effects of Screening

jam of any kind to occur. The only calamity that may possibly happen is that the insulator may be broken by coming into violent contact with the mast if the aerial is let down thoughtlessly with a run. There need be no fear of this happening if a pad made of old sacking is fixed to the mast at the place where the insulator will come into contact with it when the halliards are slackened.

### Setting Variable Condenser Dials.

FOR the panels of a receiving set to present a neat appearance, it is necessary to set the dials of the variable condenser on their spindles without a wide gap between their rims and the surface of the panel. This also makes it easier to take accurate readings of dial settings, since the scale passes close to the indicator. It frequently happens, however, that the dial, if set too close, scrapes on the panel and becomes awkwardly stiff to turn.

This difficulty may be obviated in a simple manner, by glueing a ring of thin felt or push to the underneath of the dial, inside the raised rim. If necessary, thin card rings are first glued to the dial, so that the surface of the felt projects slightly above the raised part of the rim. The dial may then be set down quite firmly against the panel, and it will be found that the condenser has acquired a delightfully "silky" feel round the whole of its scale.

### An Improved Choke.

IT sometimes happens that one has on hand an audio-frequency transformer, which, save for a burnt-out primary winding, is undamaged in all other respects. It may be desirable to add a stage of choke-coupled audio-frequency to an existing set, or perhaps to experiment with this form of coupling for the first time. The secondary winding of most audio-frequency transformers can be used as a substitute for a specially manufactured choke by connecting it up in the conventional manner.

In cases where the primary winding of a transformer is burnt out while a set is working, a few changes in the connections will quickly enable the set to be used again as a choke-coupled receiver. It should be remembered that the valve, in whose anode circuit the choke is connected, should be preferably of the resistance capacity or special radio-frequency type to ensure the best results.

### One-Hole Fixing.

DO not assume that because a component is of the one-hole-fixing type one side of it is necessarily connected to the fixing bush. For instance some "on and off" switches have two soldering tags at the back, neither of which is connected to the metal knob which controls the switch. Failure to notice such points may lead to mysterious faults.

### Screening by Telephone Wires.

IF telephone wires are parallel, or almost parallel, with an aerial, they screen it to some extent, and thereby reduce its practical efficiency. In the case of transmitting aerials induced currents may be set up in the telephone wires, and telephone subscribers have been known to overhear the transmissions. If the aerial can be erected as nearly as possible at right angles to the telephone wires, the effect of the latter is reduced to a minimum.

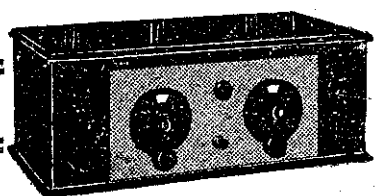
## Tips and Jottings

### Aerial Pulleys.

IF a pulley is used at the top of the aerial mast for the halliards to run through, it can be the cause of a considerable amount of inconvenience. Owing to its being so exposed to the weather the metal pulley is apt to jam or to break in time through the effects of corrosion, and it not infrequently happens that the supporting rope slips from the groove in the wheel and becomes wedged between it and one of the sheaves.

A practice which avoids all trouble of this kind is to make use of a large shell insulator instead of a pulley. The ropes pass with very little friction over the polished surface of the porcelain and it is practically impossible for a

## Spans the Two Hemispheres



THE  
**LISSEN**

### Screen-Grid 3

The Lissen Screen-Grid-Three stands out for range, volume, completeness, and compactness among all kit-sets. With short wave coils it spans the world, on the broadcast band it gives a volume and clarity equal to the most expensive assembled set.

### Price

**£6**

Short-Wave Coils and Accessories extra.

The Lissen-Screen-Grid-Three stands out as a classic among home-constructed sets. It is easy to build and its cost is low. Build this receiver with your own hands. Send for free literature to-day!

Your local Radio Dealer can supply you with a Step-by-Step Chart and will help you with all details, although a person with no technical knowledge could build the set without any help whatever.

**ABEL, SMEETON LIMITED**  
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# Private Radio Broadcasting Stations

## Complete List of Present Operators

BELOW we publish a list of private broadcasting stations. We shall follow it for the next few issues by a list of the stations heard in New Zealand.

	Power input to aerial (watts).	Frequency (kHc- cycles).	Transmissions.
<b>Auckland District.</b>			
1ZB—The La Gloria Gramophone Co., 175 Karangahape Rd., Auckland.	15	1090	7.30-10 p.m. Mondays.
1ZQ—L. R. E. Keith, 77 Gordon Rd., Mt. Albert, Auckland.	13	1190	8-10.30 p.m. Mondays, Tuesdays, Wednesdays, Thursdays, Saturdays, 4-6, 9-10.30 p.m. Sundays.
<b>Wellington District.</b>			
2YE—The Radio Broadcasting Co. of N.Z., Ltd., 168 Devon Street, New Plymouth.	100	1280	8-10 p.m. Mondays 6.30-10 p.m., Wednesdays 6.30-8 p.m., Saturdays 6-6.45, 8.15-10 p.m., Sundays.
2ZD—W. D. Ansell, 25 Queen Street, Masterton.	8	1180	Noon-2 p.m. Mondays, Wednesdays, Saturdays 7-9 p.m., Tuesdays, Thursdays, Fridays.
2ZE—G. R. S. Allen, Main Street, Eketahuna.	5	1210	5-8 p.m. Wednesdays, 12.30-2 p.m. Thursdays, 4.30-8 p.m. Sundays.
2ZF—Manawatu Radio Club, King St., Palmerston North.	20	1050	0.15-9 p.m. Wednesdays, 3-4.30, 7-9 p.m. Sundays.
2ZG—G. C. Carrad, jun., 140 Victoria Av., Wanganui.	7.5	600	6-10.30 p.m. Mondays, Tuesdays, 3-5, 6-10.30 p.m. Thursdays.
2ZH—C. B. Hansen and Co., Ltd., Dalton Street, Napier.	15	1260	7-10 p.m. Wednesdays, 2-4, 7-9.30 p.m. Sundays.
2ZK—D. A. Morrison and Co., Victoria Av., Wanganui.	25	600	7-9 p.m. Wednesdays and Sundays.
2ZM—Atwater Kent Radio Service, Ltd., 258 Gladstone Rd., Gisborne.	160	1150	6-10 p.m. Thursdays, 7-10 p.m. Sundays.
2ZQ—N. R. Cunningham, Ltd., Public Trust Buildings, Masterton.	10	1180	6.30-8 p.m. Mondays and Saturdays, 6.30-8.30 p.m. Wednesdays.
<b>Canterbury District.</b>			
3ZC—3ZC Broadcasting Service, Ltd., 230 Tuam Street, Christchurch.	250	1200	10-11.30 a.m., Noon-1.30 p.m. Mondays, Wednesdays, Thursdays, Fridays, 10-11 a.m., 12, 1.30, 2.30-4.30, 6-10.15 p.m. Tuesdays (third Tuesday each month 6-11.30 p.m.).
<b>Otago District.</b>			
4ZB—Otago Radio Association, Princes Street, Dunedin.	10	1050	7-11 p.m. Wednesdays, 6-11 p.m. Thursdays, noon-3 p.m. Sundays.
4ZL—Radio Service, Ltd., 243 Macandrew Road, Dunedin.	35	1220	1-2 p.m. Mondays to Fridays, 8-10 p.m. Mondays.
4ZM—J. D. McKewen, Begg's Buildings, 21 Princes Street, Dunedin.	17	1080	10-11.45 a.m. daily (except Sunday), and 3-5, 8-11 p.m. Tuesdays and Sundays.
4ZO—Barnett's Radio Supplies, The Octagon, Dunedin.	7	1080	Noon-1, 5-6 p.m. daily (except Sunday), 10 p.m. midnight Fridays.

# RADIO DIRECTORY

## What to Buy and Where

### CITIES

<b>AERIAL MASTS</b> .....	<b>Domestic Radio Co., Ltd.,</b> 300 Queen Street, Auckland.
<b>ALTONA &amp; HAMMARLUND-ROBERTS SETS.</b>	<b>Johns, Ltd.</b> Chancery Street, Auckland.
<b>AMPLION LOUDSPEAKERS</b>	<b>All Radio Dealers.</b>
<b>BURGESS RADIO BATTERIES</b>	<b>All Radio Dealers.</b>
<b>CROSLEY RADIO</b>	<b>Abel, Smeeton, Ltd.,</b> 27-29 Customs St. E., Auckland.
<b>CROSLEY RADIO RECEIVERS</b>	<b>G. G. Macquarrie, Ltd.,</b> 120 Willis Street, Wellington.
<b>CROSLEY RADIO</b> .....	<b>Abel, Smeeton, Ltd. Rep.: G. MOSES</b> James Street, Mangarei.
<b>DAYTON All-Electric Radio</b> ...	<b>Superadio, Ltd.,</b> 147 Queen Street, Auckland.
<b>EMMCO RADIO PRODUCTS</b>	<b>Johns, Ltd.,</b> Chancery St., Auckland.
<b>EMMCO RADIO PRODUCTS</b>	<b>Thos. Ballinger &amp; Co., Ltd.,</b> Victoria St., Wellington.
<b>EMMCO RADIO PRODUCTS</b>	<b>L. B. Scott, Ltd.,</b> Worcester St., Christchurch.
<b>KING RADIO RECEIVERS</b> ...	<b>F. J. W. Fear &amp; Co.,</b> 63 Willis Street, Wellington.
<b>LISSEN RADIO PARTS AND KITS</b> .....	<b>All Radio Dealers.</b>
<b>LOUDSPEAKER AND TRANSFORMER REPAIRS</b> .....	<b>A. E. Strange,</b> 404 Worcester Street, Christchurch.
<b>MAJESTIC RADIO RECEIVERS</b>	<b>Kirkcaldie &amp; Stains,</b> Chief Wellington Agents, Lambton Quay.
<b>MULLARD VALVES</b> .....	<b>All Radio Dealers.</b>
<b>PILOT 1930 PARTS AND KITS, ETC.</b> .....	<b>Abel, Smeeton, Ltd.,</b> 27-29 Customs Street East, Auckland.
<b>PILOT 1930 PARTS—PILOT SUPER WASP KITS, GILFILLAN, KELLOGG and ATWATER KENT SETS</b> .....	<b>Harrington's, N.Z., Ltd.,</b> 138-140 Queen St., Auckland. 40-42 Willis St., Wellington.
<b>RADIOLA RECEIVERS and Expert Radiola Service.</b>	<b>Farmers' Trading Co., Ltd.,</b> Hobson Street, Auckland.
<b>RADIO REPAIRS AND SERVICE</b> .....	<b>E. G. Shipley,</b> 185 Manchester Street, Christchurch.

### COUNTRY TOWNS

<b>CROSLEY RADIO</b> .....	<b>J. C. Davidson,</b> Main Street, Pahiatua.
<b>CROSLEY SETS</b> .....	<b>Abel, Smeeton, Ltd. Rep.: C. Ruscoe,</b> 409 Devon Street, New Plymouth.
<b>CROSLEY RADIO</b> .....	<b>D. A. Morrison &amp; Co.,</b> Victoria Avenue, Wanganui.
<b>MAJESTIC ELECTRIC RADIO</b>	<b>Berryman's, The Home of Music,</b> Palmerston North.
<b>MAJESTIC, ATWATER-KENT AND RADIOLA ELECTRIC SETS</b>	<b>Radio House, Hamilton.</b> G. S. Anchor, Manager.
<b>PHILIPS VALVES AND APPARATUS</b>	<b>All Good Radio Dealers.</b>

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22.5 to 45 M. Coil and Base ....	17/-
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H.F. Choke .....	5/6
Special Vernier Condenser .....	15/-
Ask for NEW PRICE LIST.	

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404 Worcester St., CHRISTCHURCH

## KDKA's New Station.

ACCORDING to latest advices, engineers at the pioneer American broadcasting station KDKA, have embarked on the construction of a new high-powered transmitter, the design of which will include many of the latest radio developments. The Westinghouse Company, which owns and operates KDKA, has purchased 120 acres of land on which to house the main broadcasting transmitter, the various shortwave transmitters, and the administrative buildings. As before, the studios will be located at East Pittsburgh, about five miles from the transmitting station.

## Long-distance Radio Telephony.

RECENTLY Amalgamated Wireless carried out wireless telephony tests between Sydney and New York, via London. The company's engineers, carrying out special tests, instituted by Mr. E. T. Fisk, managing director, spoke with London Telephone Exchange, and asked it switch over to the New York Exchange. This was done, and a lengthy conversation ensued. This is the greatest long-distance telephony test carried out by Amalgamated Wireless, and, in point of distance, represents a telephony conversation over more than 15,000 miles. These experiments at the Australia end were transmitted through the specially designed Australian-made 20 k.w. transmitter, at A.W.A. Radio Centre, Pennant Hills, Sydney, while the reception was effected at the company's receiving centre at La Perouse.

## Empire Broadcasting.

THE following is a portion of a letter from Mr. Gerald Marcuse (the well-known pioneer of Empire broadcasting) to the editor of "Wireless World":—"The bone of contention amongst our scattered Empire is that nothing is provided during the week-end when naturally listeners have the most time for listening-in to the Old Country, and I am still anxious and willing to carry on, on a suitable wavelength, concentrating on week-end transmissions, at my own expense, not that I have the slightest commercial interest in wireless, but simply out of amateur enthusiasm in order to fill the gap which, it seems to me, is not filled by those whose duty it is to fill it.

The Post Office have always shown a sympathetic interest in my endeavours, and possibly with the present change of Government, the vested interests may also show some enthusiasm in my proposal. In conclusion, 2NM has been dismantled, and is now being rebuilt in a more favourable location, and could be ready to start in two months' time."

## The Log.

RECEPTION during the past week has, on the whole, been poor. Static has

## Are You Satisfied with Your Reception?

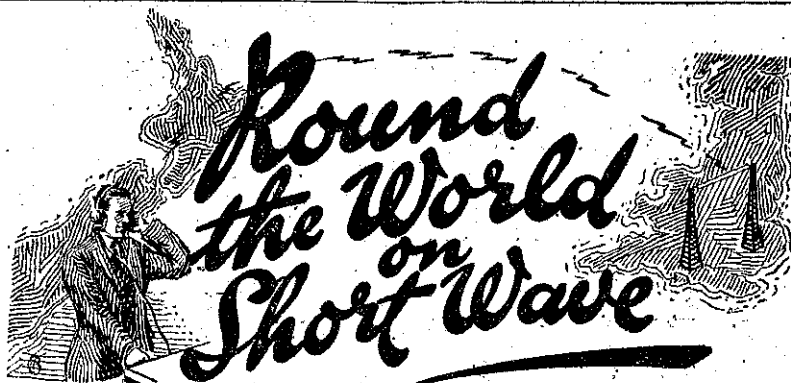
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Phone 20-798.



THIS page is conducted in the interests of shortwave enthusiasts. A weekly log comprising notes of reception and interesting topical events is contributed by Mr. F. W. Sellens, Northland, Wellington, but all listeners are invited to send in paragraphs of general interest.

been very troublesome except on the ultra shortwaves.

## Sunday, November 3.

ALL American short-wave stations were late in reaching fair volume except W6XX. This Pacific Coast station was at its maximum (R8) at 3 p.m., after which signal strength decreased. KDKA was gushy till toward 5 p.m.—closing time—when volume was R8-9.

The General Electric Co.'s S.W. transmitters, W's 2XAC, 2XAF and 2XAD, were all broadcasting the same programme. I found W2XAF the best, weak till 4 p.m., but reaching R9 by 5 p.m., with a special programme for the Byrd Expedition. W9XF, as usual, carried on much later than the other Americans (except W6XX).

## Monday, November 4.

DID not listen in till 7.50 p.m., when VK2ME at R8-9 and GBX at R8 were carrying out their regular duplex test. Static was very bad.

RA97 was on the air, but static was too bad.

## Tuesday, November 5.

7LO, Nairobi, was about R2, too weak to be readable. Conditions were exceptional for this African station, as static, the usual trouble, was very weak.

Zeesen had a strong carrier on from before 6 a.m., but music or speech was not heard till 6.25 a.m., when they opened with an orchestral selection at R8. 5SW, with Big Ben at 7 a.m., was gushy at R3. W9XF at 7.15 p.m. was R8, with medium static. VK2ME put on some records while waiting for GBX. Volume was full speaker strength. GBX was R8 when they came on the air. W6XX (KGO), fair volume, spoilt by static. Radio, Manila, was heard at 8.45 p.m. at R6 with their early transmission. At 10 p.m., when commencing their evening programme, they were R8. RA97 was again smothered by static.

## Wednesday, November 6.

BEFORE 6 a.m., 7LO, Nairobi, was quite good volume, being about R5. Slight gushiness and static spoilt readability. They were not audible after 6.15 a.m. 5SW was too gushy to be readable. W9XF at 7 p.m. was R7-8.

A stranger on about 30 metres at 7.15 p.m. was calling, "Hullo, London," in American voice. Strength was R8, but could not understand his talk.

2ME filled in the time with records while waiting for London to be readable. GBX was weak, with poor readability here. Radio, Manila, with records, were R7-8 at 8.30 p.m. A band programme commenced at 10 p.m., after the chimes and striking of 6 p.m. was heard. Volume R8-9 at 10 p.m. Holland and Java, both at R8, were on duplex telephony. RA97 broke their rule for a silent night on Wednesday, and were heard at R8-9, but static was too strong to listen.

## Thursday, November 7.

ON about 45 metres music was heard at R3-4, which concluded at 6.5 a.m. A man was then heard speaking in English, "Revolution," "Workers of America," "United States of America," "President of the American Federation of Labour," etc., was heard. Speech was about 50 per cent. readable. This talk concluded at 6.10 a.m., when a few bars of music were heard, then a foreigner had a lot to say. Reception was much weaker at 6.30 a.m. A call was not heard, but this station was probably XC51, San Lazaro, Mexico, which transmits on 44 metres.

Zeesen at 6.15 a.m. was R5 with musical items. Did not hear them again after 6.30 a.m.

7LO, carrier only was audible. 20.5 metres about, a lady was heard talking at R7 in a foreign language. At 6.25 a.m. a man spoke in very fair broken English, "Circuit," "Hullo —," "Are you getting me better now," and "O.K." were heard from him. Foreign talk followed.

5SW was gushy at R4. The gushiness and a howler spoilt readability. W9XF was R7 with bad static. 2ME was R9. On account of some lines being crossed, bedtime stories from 2FC could be heard. GBX was R7 and about 50 per cent. readable. Kootwih and Bandoeng with duplex were R8 and both very clear. These stations in the vicinity of 15 metres are seldom troubled with static. Radio Manila from 10 p.m. was R8-9.

## Friday, November 8.

THE Mexican (?) was again heard at 5.50 a.m. with foreign talk, the nature of which was similar to yesterday. After each talk a short band selection was heard at R4. Zeesen was R4-5 at 6 a.m. with very bad static. 7LO at R5 was quite good with orchestral music except for static. PCJ from 6 a.m. till 7.30 a.m. was at its best, only R6. Static, gushiness, and generator hum were bad. 5SW opened at 7 a.m. with Big Ben. Readability was again very poor. Static was very bad during the evening. W9XF R8, 2ME R9, GBX R7, and Radio Manila at R8 were all spoilt by atmospheric. W3XAL, Boundbrook, New Jersey, testing on 49.1 metres, was received at R8. The test consisted of counting 1, 2, 3, 4 and short talks.

## Saturday, November 9.

On 41.5 metres (about) talk was just audible. This concluded and the station closed at 6 a.m. PCJ was again spoilt by static and generator hum. Zeesen was R8 with a very good programme of music, which, except for slight static, was perfectly received.

5SW at R5-6 was more clear than of late. W2XAD was R3 for a time about 2 p.m., but was soon lost. PCJ at its best was only R4 and then very gushy. KDKA also was weak and gushy. W9XF at 7 p.m. was quite good at R7. W3XAL was again testing on 6100 kilocycles or about 49.1 metres, with gramophone records.

Volume was very good. Reports were to be sent to W3XAL, Boundbrook, New Jersey, U.S.A. They signed off at 8 minutes past 2 a.m. (7.8 p.m. here). Radio Manila opened at 10 p.m. with the chimes, followed by selections by the Philippine Constabulary Band. Strength R8-9. Two Bandoeng, Java, stations were heard calling Amsterdam. Both stations were transmitting the same speaker. This talk commenced about 11 p.m.

## Military Tattoo

## Short Wave Broadcast

LAST night, while listening-in on my short-wave set at 10 p.m., I picked up a station on about 24 metres, which I took to be a German, broadcast a military tattoo. It was coming through well, R8-9; the bands could be plainly heard, as they passed the microphone, orders were being given, bugle calls sounded, and the people could be heard cheering. The broadcast lasted for about 45 minutes, and then they returned to the studio; talked a long while in a foreign language, and went on broadcasting items from their studio. Unfortunately I did not get any call-sign, as static came along just as the announcement was made. Hoping that some other short-wave fan was more fortunate than I in picking up the call-sign, as I am rather interested to know what station it was.—F. B. Busby (Auckland).

AS the value of the detector's grid leak has an important effect upon the sensitivity of the set, it is a good plan to try all the grid leaks you have on hand, especially in a short-wave receiver.

THRESHOLD howl in a short-wave set can sometimes be cured by connecting a large fixed condenser of 2 mfd. or more across the A battery terminals.

## FOR SALE OR EXCHANGE

The rate for small advertisements under this heading is 2/- cash for 20 words, and twopenny for every other word thereafter.

SHIELDED Transformers, high grade Continental 4 to 1 ratio. Money back guarantee, tone and performance equal 35/- article. 12/6 each, post free. K's Battery Co., Victoria Square, Christchurch.

STALLOY-TRANSFORMER. — Strips 36 x 1 inches, 2 doz. Other widths proportional. Also supplied cut, punched. Special quantity quotations. Johns, Ltd., P.O. Box 471, Auckland.

ROYDS-HOWARD CO., 553 Colombo Street, Christchurch. Newest Battery and Electric Radios, Speakers, Dry Batteries, Storage Batteries, Valves. Catalogue. Agents wanted.

METRO 9-Valve Electric Radio, also Screen Grid Model. Chassis, Table Sets, Consoles. Catalogue. Importers, Royds-Howard Co., 553 Colombo Street, Christchurch.

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