

PUBLISHED WEEKLY

THE RADIO RECORD

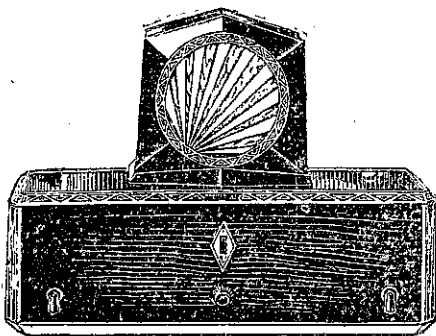
AND
ELECTRIC HOME JOURNAL

Vol. III, No. 42.

WELLINGTON, FRIDAY, MAY 2, 1930.

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"All-Electric" operation from the house lighting circuit. Extreme simplicity of control.

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ON THE WAY!

THE NEW 1930

RADIO

LISTENERS' GUIDE

AND CALL BOOK

SECTIONS

A Radio Review of the Past Year.

The Trend of Radio, dealing with the Modern A.C. Set.

The Electric Gramophone, and its uses with Receiving Equipment.

Construction from a Crystal Set to a Multi-valve Receiver, with details and diagrams.

Full Valve, Condenser and Wire Tables.

The Most Complete Station Call Book yet published in New Zealand.

Glossary of Wireless Terms.

WE are now finally preparing to publish our latest edition of the most popular Radio Guide and Call Book printed in New Zealand. It is an entirely new work and completely over-shadows our former publications both from an informative and literary standpoint, dealing, as it does, with every phase of modern radio, it is an absolute necessity in all homes that possess a receiver.

RADIO transmission and reception is a creation of the present generation, and the last few years have seen some of the most vital transformations. Gone are the days when a receiver was all knobs and dials, the tuned anode circuit, that good old standby, has been relegated to the limbo of the lost, and to keep track of the trend toward A.C. and short-wave reception, it is necessary to read the latest information, hence the publication of the "RADIO LISTENERS' GUIDE AND CALL BOOK." When you erect an aerial consult the Guide; if the set goes wrong, refer to the Guide; for any technical matter the Guide can help; in fact, if it has any connection with radio you can get the full information from the new 1930 edition.—And remember it is helpful both to the novice, practised experimenter and specialist.

PRICE 2/6

(Posted 2/9.)

FEATURES

The Modern A.C. Set.

The Modern Battery Receiver.

A Local Station Receiver.

Speaker Details.

Aerial Information.

Electric Gramophones.

Wavetraps.

Browning Drake Five.

All-electric B.D. Tuner.

Power Packs and Chokes.

Descriptions of New Valves

A D.C. 4 Valve Short wave.

An A.C. Short Wave Adapter.

Trouble-tracking Schedule.

The World's Call Signs.

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THE "GUIDE" WILL BE OBTAINABLE FROM ALL RADIO DEALERS AND BOOKSELLERS, OR DIRECT FROM THE PUBLISHERS.

The Radio Record and Electrical Home Journal

P.O. BOX 1032,
WELLINGTON.

If Women Arranged Radio Programmes

by

GWLADYS EDWARDES

Miss Gwladys Edwardes, who achieved distinguished success as a singer at many of the Australian broadcasting stations, recently returned to New Zealand. The accompanying article is both entertaining and provocative, expressed in everyday terms which, nevertheless, are bound to create discussion. This article is the first of a series to appear in the "Radio Record."

HAVING read the title of this article I imagine you expect all sorts of revolutionary things of me, so, if what I am about to outline appears commonplace, may I at once urge that even commonplace things often are the least obvious. After all, we see lots of things, but do we really SEE them?

It would seem that in order to satisfy everyone who reads these observations of mine, I shall have to adopt a composite personality, changing swiftly from myself in the country to myself (or yourself, if that were possible) as a city housewife, thence to the highly efficient stenographer in a big city establishment, to a worker in some industrial corporation, and so on. It seems very, very difficult of achievement—the mean average would appear the safer course.

Then, again, it almost looks like showing the other man (or woman) how the job ought to be done, but I've been asked to risk even that.

It is seven years since I left New Zealand for Australia, and in that time (both as a singer and a housewife) I had many an opportunity for remarking the way of life over there, and the manner in which Australian broadcasting was carried through the day.

I liked the early morning idea of cheery music with breakfast. My husband and I needed no cold showers to stimulate us in preparation for the sometimes frightful swelters of the day. We invariably switched on the radio at half past seven or eight o'clock, and while the meal was being prepared and eaten our sleepy steps were quickened by the latest in dance tunes from nearby stations.

We suffered sharp disappointment on our return to New Zealand when we learned that the stations did not open their eyes until three o'clock in the afternoon. Suggestion number one is, then, obvious—the breakfast hour music is a wonderful corrective for the blues.

As an alternative to music there were tabloid clippings from the morning papers. I am sure hundreds of wives and boarding house keepers blessed this introduction—

rarely was the milk jug overturned by a reclining newspaper since the morning's news was broadcast!

THERE are lots of chatty little things which could come over the air to the busy woman in the house. No, I don't mean lectures on running the home—most of us know by instinct, and would resent that type of information—but crisp, intimate talks on what everybody seems to call "labour-saving devices."

This does not mean a restriction to vacuum sweepers and washing machines, but the many ways in which husbands and carpenters could so arrange or rearrange the kitchen that work



Miss Gwladys Edwardes, the accomplished author of the accompanying article. Miss Edwardes has travelled as much as she has observed, of which her pithy observations are a fair criterion.

would be minimised. Too many people, when talking of labour-saving, think only in terms of the drawing room, forgetting that the kitchen is the stronghold of the home; overlooking numberless little things which might obviate walking, stooping or reaching.

I am sure women would like to hear of these.

Gas cookery, and cooking by electricity, too, would be of great interest—provided the recipes did not call for a dozen eggs when they're marked at three-and-six the dozen.

I sometimes have the suspicion that compilers of cookery-books surreptitiously keep poultry farms somewhere, for they're simply profligate with eggs in their recipes.

Simple, practical recipes, retailed over the air in a simple, practical way would be inseparable from my broadcasting programmes.

AND I would have fashion talks, too. This sort of thing: "I saw a delightful creation along Lambton Quay the other day . . ." Imagine the visions one would conjure for those who but rarely find their way to city streets; folk who are idea-hungry in the matter of dress fabrics and designs which may be adapted to their individual needs and purses!

And the afternoon? Well, short, happily-worded talks on a variety of subjects. Firstly, there is the fine work of our Plunket Society, and the system of mothercraft it has developed to such good effect. Young mothers in New Zealand's country districts, where daily work and a multiplicity of home interests often prevent frequent trips to the town, surely would benefit (and appreciate) from skilfully-worded lectures by competent authorities, whose very knowledge of their subject and humanity should ensure the subject being dealt with in a straightforward, simple manner.

General health talks, too, incorporating homely remedies for slight physical troubles.

For those of us who have to do our travelling by proxy; who sit by our firesides, thrilled with the adventures of men and women who braved jungle swamps and inter-national flights, there should be radio travelogues, bridging the distance between us and adventure—where the magic of conversation and relation of incident help us to live (even though momentarily) the experiences related through the microphone.

The lives of authors and musicians have an intimate interest for all of us. We read their books and are enchanted by their melodies, but of their lives, and loves, their frailties, their ambitions we know but little. I would insist upon a collation of these.

Finally, most women would be glad to hear the last of all those "grey-haired mummies" and "sweet Susies" which have found their painful ways into our songs. They seem ghostly beside the fine, broad sentiment of the ballad type, which does not mean there should be more of what are mis-called "classical" songs.

There is a host of other things one could mention, but . . .

Boxing Broadcasts

Christchurch Club's Appreciation

THE broadcasting of boxing matches receives the hearty endorsement of the Christchurch Amateur Boxing and Sports Club. The Christchurch club has proved to its own satisfaction that broadcasting, far from adversely affecting the door takings, increases the attendances, because of the wide-spread interest which it arouses.

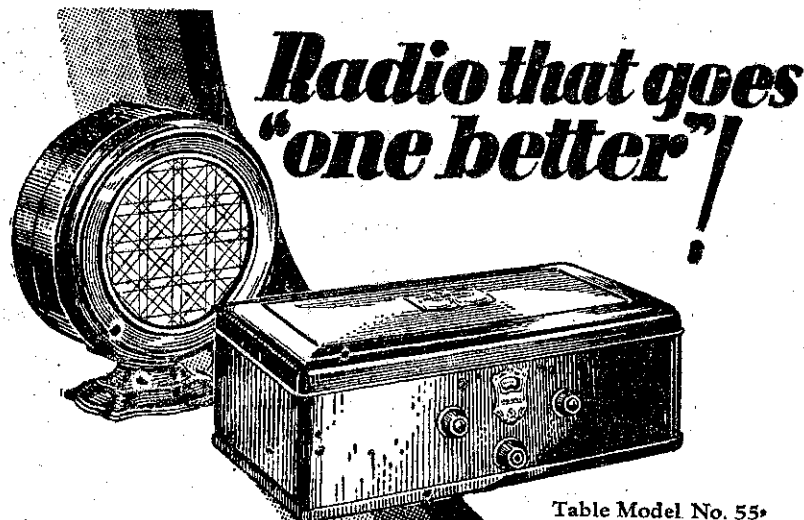
In acknowledging an application from the Broadcasting Company for permission to broadcast the Campbell-

Broadfoot fight, the club wrote as follows:—

"Your application for permission to broadcast the progress of the Broadfoot-Campbell fight for the New Zealand heavyweight championship, of fifteen rounds, to be staged at this club's tournament, to be held at the Civic Theatre on Monday, 28th instant, was placed before my committee last evening.

"I have pleasure in informing you that your application was readily granted, and I was directed to compliment your company upon its enterprise in so liberally catering for the interests of your sport-loving subscribers, and at the same time furthering the best interests of good, clean sport.

"Thanking you for the privilege conferred upon this club by your action."



"One better" in range. More and more distant stations coming through with trueness and clarity that is amazing.

"One better" in power. More power than you ever had before, more than you'll ever need; but quiet power, with no discordant hum.

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Before making your final decision, see and hear ATWATER KENT. You'll agree that here alone is "To-day's UTMOST in Radio."

Table Model No. 55.
Complete with F4A
Speaker and Valves
£48
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Your nearest Atwater Kent Dealer will gladly demonstrate, or write to distributors:

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Obituary

LISTENERS who have appreciated the various relay broadcasts which have taken place in the past will learn with regret of the death on April 23 of Mr. James McIntosh, a very well-known and universally respected officer of the Post and Telegraph Department. Apart from his ordinary duties, Mr. McIntosh was in charge of all relay lines, and every listener in New Zealand can testify to the efficiency with which he discharged this important duty.

Mr. McIntosh was also a controlling officer of the telephone branch in Wellington, and as such, it is safe to say, was known to practically every business man in the city. His knowledge of the Wellington telephone system and its ramifications was unique, for for that reason his services and advice were continually sought by endless telephone subscribers. His duties took him everywhere—into the exclusive precincts of Parliamentary Buildings, beyond the barriers erected around H.M. warships, into the business manager's private office, into the individual subscriber's home—and in all cases his genial personality, his ability, and his energy were both a password and a welcome. The telephone public of Wellington have lost a good friend and the Post and Telegraph Department a type of officer whom it will be difficult to replace.

Mr. McIntosh was 52 years of age, and had twenty-nine years of service in the Post and Telegraph Department. He leaves a widow and two sons to mourn his loss.

Broadcasting News

AN English writer prescribes as relief from interference between neighbouring listeners the use of a small valve fixed condenser in series with the earth wire. On Wednesday evenings when the whole pack are howling all over the dial nothing less than a bombardment of the city with high-explosive shells would give relief. Wellington listeners seem to vie with each other on Wednesday evenings to make night hideous.

THE Soviet authorities are determined to be heard. They are erecting a 75,000-watt broadcast station in the vicinity of Moscow which is calculated to give good loudspeaker volume throughout Europe. The station is expected to commence operations within a few weeks. There is a difference in time of about nine hours between Moscow and New Zealand. Seeing that a Paris station, on the ordinary broadcast wavelength, was heard a few years ago in New Zealand, it is quite possible that the Moscow thunderer will be picked up by some New Zealander.

A POINT many listeners overlook is the quality of their loudspeakers. Only lately an acquaintance of the writer substituted a first-class moving coil loudspeaker for his old-fashioned speaker, and although his set is utterly out of date it is now giving service in quality of reproduction equal to any modern outfit.

GULBRANSEN Precision-Built RADIO



LOWBOY MODEL
PRICE £50

MORE REAL RADIO
VALUE IS
PACKED
AWAY IN
THIS RECEIVER THAN
YOU EVER BELIEVED
POSSIBLE AT SO LOW A
PRICE. NINE TUBES—
SCREEN-GRID POWER
DETECTION—4 GANG
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WELLINGTON

Admiral Byrd Says "Au Revoir"

Widely-known Producer at 2YA Radio News from All Angles

Farewell Address from 2YA

"I WOULD rather say au revoir to New Zealand than good-bye, for I am looking forward to coming back again," said Rear-Admiral R. E. Byrd in a farewell address broadcast from station 2YA last Friday evening. He sailed for Panama on the Rangitiki the following morning.

"There is one thing I have never sufficiently emphasised, and that is the great debt our expedition owes to the New Zealand contingent who volunteered to get our ships south to us. There was not one of them who did not show himself to be a gentleman. They played the game, and worked as one of us. They were courageous and worked very hard, and contributed greatly to our success, so that both on the high seas and on land New Zealand played a big part in the outcome of our expedition.

"On all sides the hospitality has been of an extraordinary nature, so that our stay here will always be one of the bright spots in our lives. I am making no real statement at this time, only saying that I am sorry indeed to go, and I cannot reiterate too often the everlasting gratitude that we feel towards New Zealand. Whenever in the years to come we have the good fortune to meet up with anyone from New Zealand it will be a red-letter day for us.

"I have accepted these gestures of friendship as signals of goodwill toward the nation under whose flag I have been proud to sail, and I can assure the people of New Zealand that that goodwill is most heartily reciprocated by the people of my country. And I know that my countrymen are most grateful for the wonderful way you have received the members of the expedition. I wish specially to-night to greet the boys and girls, and to give them my best wishes.

"I hope and I feel that New Zealand and the United States will always stand shoulder to shoulder as cousins and friends no matter what crisis may strike the world."

At the conclusion of the Admiral's address, Mr. John Ball, editor-announcer of the Radio Broadcasting Company, called on those assembled in the studio and on all listeners to give three hearty cheers for the gallant explorer. "Igloo," the dog which has shared both honour and adventure with Admiral Byrd at the Poles, barked in joyful concert—we imagine to the chagrin of "Spot," the fox terrier at 2YA, which enjoys such popularity with the children of Radioland.

Radio Listeners' Guide, 1930 Edition.
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P.O. Box 1082, Wellington.
Available in May.

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S.O.S

TRAVEL IN COMFORT BY
CAR

WELLINGTON — PALMERSTON
NEW PLYMOUTH

Lew James Presents "Give and Take"

WELL-KNOWN to northern and Australian listeners is Mr. Lew James, producer and actor. He is probably the foremost Hebrew comedian that has visited these shores and his appearance before the microphone of 2YA will be welcomed by listeners to the station. Mr. James has had extensive experience in Australia and South Africa; he was the original Abe Potash in "Potash and Perlmutter." He will be assisted by an accomplished actor, Mr. Trevor Spencer.

A short time ago Mr. James produced "Sinbad the Sailor" from 2FC. Sydney—some of the owners of powerful sets might remember the occasion—and on his arrival in New Zealand he produced "Give and Take" from 1YA. The production was a great success and the company, under its able director, was made the recipient of many congratulatory messages.

Listeners to 2YA will be pleased to learn that the management has taken advantage of Mr. James's presence in

the city, with the result that "Give and Take" will be presented at 2YA on May 9. It will occupy the whole of the programme from 8 p.m.

The play was first produced at the 49th Street Theatre, New York, in January, 1923, the entire action of the production taking place in the canning factory of John Bauer, located in a small town in Southern California.

Things were not going too well with the factory, finances were at a low ebb, and the bank had threatened to foreclose. John Bauer's son (a modern product of a university) had formed among the workmen in his father's factory a constitution called "Industrial Democracy." The new regime is not a success, when "out of the blue" comes Thomas Craig, a millionaire, with a scheme for selling the factory's products direct to the public by means of a fleet of vans. He offers to take the whole product of the factory.

The constitution is swept off its feet (Concluded at foot of next column.)



An interesting "snap" taken by Lord Bledisloe on the occasion of Admiral Byrd's visit to Government House. Lady Bledisloe, Admiral Byrd and his dog Igloo are here shown at Government House. The Admiral bade farewell to New Zealand from 2YA last week. Igloo joined in the rousing cheer which followed.

LONG-SUFFERING wireless dealers in Kitchener, Ontario, have risen in self-defence against the habit of free home demonstrations. They are considering charging a fee for the use of receiving sets for "demonstration" purposes, because, they say, they have found people with as many as nine sets in one house, and other cases where, by going the rounds of the city dealers, a family contrives to have a set throughout the winter at no expense to themselves. Huge capital necessary to buy machines enough for "demonstration" purposes and still have a stock on hand, difficulty in selling a bona fide purchaser a new set because of its long use by pretending purchasers, and the danger of spreading disease through the transfer of machines from house to house are points upon which they are basing complaints.

VOLUNTEERING the information that he had failed to obtain a radio license, a Canadian magistrate, at Hamilton, Ontario, after imposing several five-dollar fines on delinquents, instructed an inspector to proceed in his own (the magistrate's) case, and the magistrate registered a conviction against himself and paid five dollars into court. Explaining that he had forgotten to renew his license, Magistrate Burbidge said the present system of collection is all wrong, no notification being given when licenses expire. He offered to wager that he could find over a hundred receiving sets operating without licenses.

THE Berlin police, in conjunction with post office officials, are endeavouring to track down the source of certain mysterious transmissions which take place almost every evening from a plant located within a 20-mile radius of Berlin. The station broadcasts Soviet propaganda in the German language, interspersed with concerts of "Labour Songs" or of works in honour of one of the leaders, among the latter being an "Ode to Lenin," a "Lenin Symphony" and a "Hymn in Honour of Lenin." During each programme the wish is expressed that any remarks with regard to the broadcast should be sent to the "Palace of Labour" at Moscow. The location of the station is complicated by the fact that it appears to change its position almost every night, the transmitter being apparently a portable one.

by this scheme and Bauer rushes off to the country to buy up the whole output of the orchards in California. While he is away, among some papers left by Thomas Craig, a writ of habeas corpus is found, which proves that he has escaped from an asylum. Complications ensue, but, of course, the story is brought to a satisfactory conclusion.

The whole play is full of delightful comedy and no better characters have ever been depicted than the two old friends, one the owner of the factory, John Bauer, and his foreman, Albert Kruger. Mr. Lew James will play the foreman, Albert Kruger, and the part of John Bauer will be in the hands of the well-known English actor, Mr. R. T. Spencer.

The New Zealand Radio Record

—AND—

Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX. 1032, WELLINGTON.

Published Weekly. Price 3d. Subscription Post Free in advance, 12s. 6d. per annum; booked, 15s.

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

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

RADIO PUBLISHING COMPANY OF NEW ZEALAND, LTD.,
P.O. Box 1032, WELLINGTON.

WELLINGTON, FRIDAY, MAY 2, 1930.

RADIO AND WAR OF THE FUTURE.

ANZAC DAY, the day of memories, has passed and the swirl and eddy of modern life has again engaged the attention of those who stopped for a brief respite to reflect on a decade that was blackened by war. Radio took the messages and the prayers of those participating in public ceremonies and flung them to the four winds. Everywhere, the gospel of peace was carried by radio. But that very agent of peace can become a sinister force, unequalled in its powers of destruction and atrocity. The Great War and the disorder that followed were sufficient to horrify the whole world, but half its terror has not and cannot be revealed. In it radio was only in its infancy; it was threatening to be a menace but was not. In the eleven years that have followed the declaration of peace, this science has made remarkable strides till now it is one of the premier sciences of the age. As a means of spreading entertainment and culture it has neither equal nor predecessor. Its use in the world of commerce has hardly been exploited, and its use in war undreamed of. It would be well nigh impossible to imagine just what it would grow into were hostilities to break out afresh. In the hands of the scientists concentrating on destruction it would be a weapon such as could annihilate armies and cities. It would change the whole aspect of war, and turn battlefields into shambles eclipsing in their horror those of the last Great War.

Consider for a moment the possibilities of remote control. Already aeroplanes and cruisers have been directed by stations, many miles away. Imagine the destruction these could cause without injury to the controlling hands. Aeroplanes filled with poisonous gases many times more deadly than those used before, when brought down could spread their fumes before a defenceless opponent. The submarine, that dread agent which nations are trying to outlaw, could be made doubly and trebly effective, through remote control. Then there is the photographic cell, which emits electrical impulses when it is acted upon by light. Mines that explode when touched would be totally eclipsed in their death-dealing properties by an explosive that was

directed to the doomed ship, by the combination of a photo cell and a small amplifier. Armies could be destroyed when the enemy was far away, gases and other fiendish agents of destruction might be liberated when their victims came within range—surely the power of the retreating force would be greater than that of the advancing one.

Then there is television, though now not practicable, yet the time is coming when it will be. Its use in war would be horrible in the extreme. Battles could be waged by officers removed considerable distances by controlling planes or other agents of destruction and seeing everything; they might even use the mechanical man—some have been devised already and used to amuse, but their place in war can be imagined. The observation planes of the last war must be scrapped when television becomes practicable. The possibilities of power amplification in detecting minute sounds, beam transmission to replace, or at least substantially supplement, the signal methods of our existing units are in themselves dangerous weapons while transmitted power suggests the perfection of the death ray which threatened to terrorise the last war.

Throughout history the tendency is for each war to be more terrible than the one that preceded it, but the utilisation of radio and television in the war of the future must make it an unparalleled horror. Gone is the glory of war.

Wellington Symphony Orchestra

New Season Opens With Brilliant Programme

SINCE its inauguration towards the end of the 1928 concert season, the Wellington Symphony Orchestra has scored repeated successes. Rarely in the history of local musical enterprise has such progress in every way been made in almost a single year. Competent critics have already testified to the artistic success of the season that is past. Business men in the person of auditors have witnessed to the financial success of this ambitious undertaking. Surely a credit balance for the first full season of an incorporated musical society is financial success! And this in spite of the fact that over 180 guineas were paid out during the season to professional players in the orchestra. The all-round success of the venture is a wonderful tribute to the energy and enthusiasm of everyone concerned.

Credit for the artistic excellence of the several performances must of course go to the orchestra's indefatigable conductor, Mr. Leon de Mauny. No one in New Zealand, possibly, has had such varied orchestral experience. His training in orchestral technique has been in the hardest school, and his apprenticeship has been served under the greatest orchestral masters the world has yet seen. Nikisch, Safanoff, Hans Richter, Weingartner, Koussevitzky, Beecham, Henry Wood. Wellington is indeed fortunate in having the honorary services of such a musician. Experience is not always, as in this case, allied in the one person with such superb musicianship.

Nor must the players themselves be forgotten. Almost all the strings have for the past seven years been in training for ensemble work under Mr. de Mauny's own direction. Little wonder, then, that attack, intonation, phrasing, and blend of tone is of such unusual excellence. Wood and brass players have been chosen from the finest instru-

mentalists available; and the whole orchestral personnel has risen on each performance to the highest standard of playing that has been heard in the Dominion since the visit some years ago by Henri Verbrugghen.

The first concert of the new season is announced for Thursday, May 8. The first half of the programme will be devoted to three of Mendelssohn's works: Fingal's Cave Overture, The Violin Concerto, and the Italian Symphony—three works that are, each one, in the forefront of their class. They possess, in addition to the more fundamental virtues of a musical work of genius, a capacity for being immediately appreciated by the man in the street. Lovely melodies, strong and piquant rhythms, and vivid orchestral colourings.

The second half of the programme should be well known to almost all who take even the slightest interest in music. Luigini's "Egyptian Ballet," "Finlandia" (Sibelius), the Orchestral Suite from Coleridge-Taylor's "Hiawatha," and, last of all, that popular thriller, the Hungarian March from "The Damnation of Faust" (Berlioz).

This performance will undoubtedly be eagerly awaited by broadcast-listeners all over New Zealand. But—as we have stated before—it must be remembered that this broadcast is for lovers of orchestral music outside of Wellington; and, of course, for those in the Capital City who are sick, or through other grave reasons are unable to receive the big extra thrill of both seeing and hearing the actual performance. Wellingtonians who are able-bodied—and who have two shillings or more to spend on an enjoyment that will not easily be forgotten—are expected to be "among those present" in the Town Hall at precisely two minutes to eight o'clock.

YOU CAN'T BUY A BETTER VALVE THAN

Mullard
THE MASTER VALVE

Radio Advertising

American Comment

ON March 15 the B.B.C. proposed to broadcast what, to the British listener, would be a novelty in programme style. It was proposed to give the British public a taste of the kind of programme which is now commonly broadcast from American studios, including the advertising announcements in the best style of the American "sponsored" programme. Commenting on this, the London "Wireless News" said:—

"The intention of the B.B.C. is that the programme should show us the humour of the situation in America, which permits of the programmes becoming a sandwich of advertising and entertainment. We would assure our readers, however, that though to us this programme item by the B.B.C. may prove diverting, served up as a novelty, there is no humour left in the idea as far as the American listening public is concerned. America introduced the principle of sponsored paid for by advertisers because they had no other machinery in force to meet the cost of the programme production and the running of the stations.

"Now, however, the American public is brought face to face with a situation where advertisers virtually control the greater proportion of the broadcasting stations, and broadcasting itself, originally launched as a means of providing entertainment and interest for the public, has degenerated into little more than an advertising medium with programme matter virtually subservient to the ambitions of the advertiser.

"NOR was there, apparently, ever any alternative to the ultimate over-riding of the original conception of the purpose of broadcasting when once the principle of microphone advertising, however small in its beginnings, was admitted. 'He who pays the piper calls the tune,' and that is precisely what the American public has now found out to be as true in broadcasting as in any other sphere.

"Microphone advertising is now so blatant in America that even the advertisers themselves are scared of the effect it may have, yet so jealous are they of each other's facilities that there seems no prospect of agreement to check the progress of a situation which may ultimately kill the interest of the public in broadcasting itself.

Dr. Lee de Forest, in an inaugural address as president of the Institute of Radio Engineers, in referring to the situation which microphone advertising had created, expressed the view that America was 'killing the goose that laid the golden eggs.'

"Fortunately for this country, the wise decision to ban all microphone advertising was one of the first restrictions, and, in fact, almost the only restriction put upon the character of matter to be broadcast. If it had been realised that the introduction of advertising would inevitably lead to the situation which America now has to face, no doubt this initial decision which has saved broadcasting in this country would also have been insisted upon in America."

ECHOES OF THE BYRD BROADCAST

American Newspaper Comment

AMERICAN papers just to hand show "echo," and at the time the article that the Byrd two-way conversations between Dunedin and New York was extensively featured. Naturally the "New York Times" was the paper which devoted most space to the occasion. Maps (similar to that published in the "Radio Record") were printed, showing the relay lines from Dunedin to Wellington, the broadcast to Sydney, and thence to New York, with the short-wave broadcast back again. Quite a feature is made of the fact that Rear-Admiral Byrd, speaking in New Zealand on March 12 (the date of Mr. Adolph Ochs's birthday) was able to congratulate Mr. Ochs in New York

as to the cause (which it has since been ascertained was due to 2ME re-broadcasting 2XAF).

A paragraph in the article refers to the echo as follows:—

"At times the voices from Dunedin seemed to have an echo or shadow, which came through the loudspeaker a fraction of a second after the main signal. The echo was of less intensity than the preceding part of speech which it seemed to follow closely. For instance, if the speaker from the other side of the globe said 'yes,' the expression which came from the speaker



Mr. Lew James.

"Give and Take"

A Comedy in Three Acts

Directed by
Mr. Lew JamesAssisted by
Mr. R. T. Spensor
and Company

From 2YA

9th May, 8.10 p.m.

(where the date was March 11), the day before his birthday actually arrived.

The "New York Times" has headings such as the following:—

"Byrd's voice leaps over 10,000 miles from New Zealand," "The Admiral carries on a two-way conversation with friends in Schenectady," "His laugh clearly heard," "Admirers around the world listen to programme rebroadcast by station WGY," "Byrd hears 'every word,'" "Antarctic Expedition is promised a royal welcome when it returns to America."

The "Schenectady Union-Star" has a heading in big type right across the page: "Byrd's voice heard by radio here."

The principal heading in the "Albany Evening News" spans the top of a page: "World hears radio welcome to Admiral Byrd."

Another Albany paper, "The Times-Union," displays, "Byrd greets America through WGY."

"The New York Times" has a considerable amount to say about the

was 'yes, yes.' Other syllables were repeated in like manner."

The suggestion at first made by Dr. A. N. Goldsmith, chief broadcasting engineer of the Radio Corporation of America, was that the echo could probably be laid at the door of what engineers call "world echoes by radio," this being the description applied to the reception of two short wave signals, one of which had been received direct from Sydney and the other a fraction of a second later after travelling round the globe. Dr. Goldsmith declared the echo signal could not have been an acoustical echo, as often happens in a bare room or hall, because Commander Byrd was not speaking in a hall large enough for such a sound echo to take place to the extent which it was heard on the radio. He said Rear-Admiral Byrd would have had to speak in "quite a large auditorium" to create an acoustical echo of such dimensions.

Dr. Goldsmith was quite right in his contention that the echo could not be attributed to 4YA.

Community Singing

Broadcasts from Town Hall

DURING last winter regular mid-day sing-songs were held in the Auckland Town Hall and were broadcast by IYA, to the great appreciation of country listeners. These weekly sing-songs will commence again on Wednesday, May 21, and will continue for twelve weeks. Broadcasts will be carried out by IYA.

4YA Church Committee

A meeting of the 4YA Church Committee was held on Tuesday, April 15. There were present: Rev. Tuckwell (chairman), Rev. George Miller, Archdeacon Fitchett, Rev. A. Mead, Rev. H. Bellhouse, Pastor W. D. More, and Mr. J. Mackenzie (station manager). The Rev. George Miller was elected chairman for the ensuing year. The church rota for the coming year was discussed and approved.

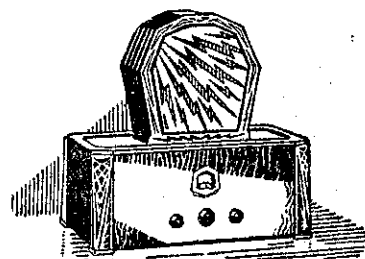
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Address "RI"

A Real Old-Timer

A REAL "Old Timer" who was driving cattle happened one day to strike our place at tea time. We had the wireless on for the dinner music session, and he was very interested in it. At first he thought it was a gramophone, but on being told it was the wireless he wanted to know how far the music could be heard. When we told him it was coming from Wellington he thought for a moment and then said: "Last night's music, I suppose!"—"Effie."

Parnell By-election

THE Parnell by-election, which takes place on Wednesday, May 7, will be featured over the air. All stations will broadcast progress results as they come to hand. 2YA will not observe a silent night that week.

1YA Marriage

MR. OWEN PRITCHARD, programme organiser at 1YA, was married on Monday, April 21, to Miss Lena Kenny, and in view of that event was the recipient of two presentations. On the Monday previous the members of the 1YA Broadcasting Choir presented him with an oak clock suitably the staff presented him with some silverware, accompanied with their very best wishes for happiness.

Grand Opera From 4YA

Programme Planned

UNDER the direction of Mr. Alfred Walmsley, grand operas are to be broadcast regularly from 4YA. These radio presentations will be a delight to the music lovers of Dunedin and to all listeners throughout New Zealand who tune in to 4YA.

Mr. Walmsley, who is an admirable tenor singer, has but recently returned to Dunedin from England after an exceptionally successful experience with the Carl Rosa Opera Company. Besides becoming familiar with all the grand operas being produced in Britain, Mr. Walmsley came into personal touch with such leading musicians as Dr. Malcolm Sargeant, Sir Thomas Beecham, Sir Landon Ronald, and Sir Henry Wood.

The first operas to be arranged by Mr. Walmsley for radio presentation at 4YA are "Cavalleria Rusticana" and "I Pagliacci," and these will be broadcast on Monday, May 5. Vocalists to assist in the studio production will be: Mrs. Eric Ewart, L.A.B., Miss Betty Hamilton, Mr. William Ruffell, and Mr. William Bathgate. There will be full choruses by villagers and peasants.

We are to hear "Cavalleria Rusticana" from Covent Garden on Thursday, June 21. For the benefit of those who may not be familiar with this story of "rustic chivalry" (and they must be few, for no opera is more

often given in England), I will briefly outline the plot. The scene is Sicily, second only to Corsica as a setting for passionate melodrama. A soldier returns from the wars to find that during his absence his sweetheart has married a stay-at-home neighbour. He attempts to make love to another village girl, but his ardour gives out and he turns back to Sweetheart Number 1. There is a scandal, a fight, and the soldier is killed. The opera falls into two scenes, the interval between which is filled by the celebrated intermezzo. Mascagni, the composer, wrote "Cavalleria Rusticana" for a competition organised by a firm of music publishers. It won the prize.

ALSO full of well known airs is "I Pagliacci," which opens with the famous "Prologue," which explains that the play is taken from life, and that the sentiments expressed by the actors and singers, while sometimes noble and sometimes bad, are always human, and that actors and strolling players have their own joys and sorrows and tragedies in real life. The prologue over, the curtain rises and the scene of the play is laid in the village of Culabria. The main characters are Canio, his wife (Nedda), and two rival lovers (Silvio and Tonio). There are some very beautiful solos and duets, notably the beautiful "Bird Song," in which Nedda, yearning for love and freedom, pours out. In the famous aria "On With the Motley," Canio, the broken-hearted husband, sobs his grief at being, not a man, but a jester, a toy to amuse the mob while his heart is breaking. Act 2 is the play, taken from life, as Tonio explains in the prologue. Harlequin serenades Columbine (Nedda), and Tonio has a comic love scene with her. Harlequin interrupts the scene by leaping into the room through the window, and after Tonio has given them a mock blessing, Nedda and Harlequin sing and dance a dainty little gavotte.

The play, curiously enough, parallels the real tragedy of the first act so closely, that Canio, coming on as PUNCHINELLO, overhearing Columbine's parting words to Harlequin—"Tonight and for ever, I am thine, Love," the same as in the first act to Silvio—completely loses his self control, and demands that Nedda tell him the name of her lover. This is probably one of the finest and most dramatic arias in this class of opera. The audience of villagers think his emotion is great acting, and applaud him, but Nedda knows he is no longer acting. She vainly tried to calm him by singing a few bars of the gavotte, but Canio refuses to listen. Nedda realises the impossibility of further acting, and openly defies him, whereupon Canio draws his dagger and plunges it in her breast. As Nedda dies, she calls for Silvio, who has been in the audience. He rushes forward and receives the dagger in his heart.

Canio, like a man in a dream, looks at the havoc about him, sees the horrified audience, and drawing the curtain, explains—"The comedy is ended."

Auckland Notes

(By "Call Up.")

THE 1YA Station Choir, who scored such a success with their presentation of "The Rebel Maid" early in April, will give their second performance of the year on May 27, when their programme will consist of a miscellany of part songs, duets, and solos. Mr. Len Barnes, who conducts them, hints that there will be something "off the beaten track" in this programme. The choir's third performance will be the presentation of the opera "Marama," written by the well-known local musician Mr. Archie Don.

THE general feeling among Auckland listeners now seems to be that programmes and studio service are good, but that there is room for improvement in the actual transmission. There seems to be a lack of volume which is unwarranted. The strength is uniform and clarity good, but listeners, especially those with small sets, are complaining about the volume. One dealer says he recently tried several good crystal sets on a good aerial in Remuera, but could not get 1YA satisfactorily with any of them, although it was only about five miles away. Many of these complainants attribute this fault to the aerial, saying that the station came in strongly previous to the change from a four-wire to a single-wire aerial.

AUCKLAND radio dealers report very brisk business during April, in marked contrast to the slack time experienced in March. One dealer sold three £65 sets in a week, which shows the modern trend to buy large sets, which are also handsome pieces of furniture. Sales of small sets are gradually decreasing, but many of those who do buy such sets are displeased at not being able to take out a six months' license at the beginning of the radio year. Thirty shillings is a large sum to raise out of the week's wages in many homes, and it would be considerably easier for a large number of listeners to pay fifteen shillings half-yearly.

SOME years ago, long before talking pictures had been introduced to New Zealand, Mr. Edward Coubray, of Auckland, had been experimenting with kinematograph apparatus, his ultimate ambition being to produce a film which could be broadcast over the air. For some time he was held up in his work by the fact that even the best amplifiers and microphones the world could produce had many faults. When these became gradually so improved that they were very near perfect, Mr. Coubray patented his own Coubraytone system of recording sound pictures, and a company was formed to exploit the apparatus. Initial attempts were very promising, and the Coubraytone is now being used to take an epic Maori drama at Taupo. This is under American supervision, and Mr. Alfred Hill has composed a special musical score for it.

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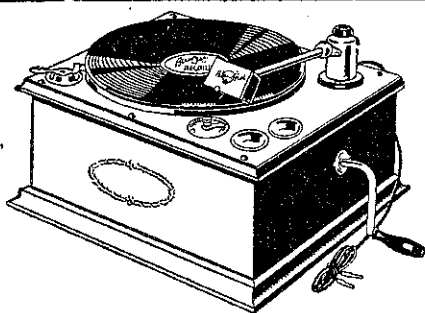
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AUCKLAND.

CABLES recently announced that Marconi spoke from his yacht Elettra in Genoa harbour to the people of Australia. It appears that his speech was rebroadcast by 2BL, Sydney, the Eastern Australian time being 4.30 p.m. There was an entire absence of static, and Marconi's voice was heard with perfect clarity.

THOMAS F. DILL, United States Senator for the State of Washington, has stated in an article in the American Press that "radio will do more than anything else to give us a world language, and it will be the American-English language. "There are, besides innumerable disciples of Esperanto and followers of other "international languages" who are increasing in numbers yearly, but many public men believe that English will be the ultimate universal language.

THAT shortwave reception from England is still by no means reliable was evidenced by the ineffectual attempts in Wellington to pick up 5SW, Chelmsford, England, for the purpose of re-broadcasting, by 2YA, the description of the Oxford-Cambridge boat race. Obscure influences occur at times, which weaken long-distance reception, and this is where there is abundant scope for future investigation by scientists who are now probing into the mysteries of static, etc.

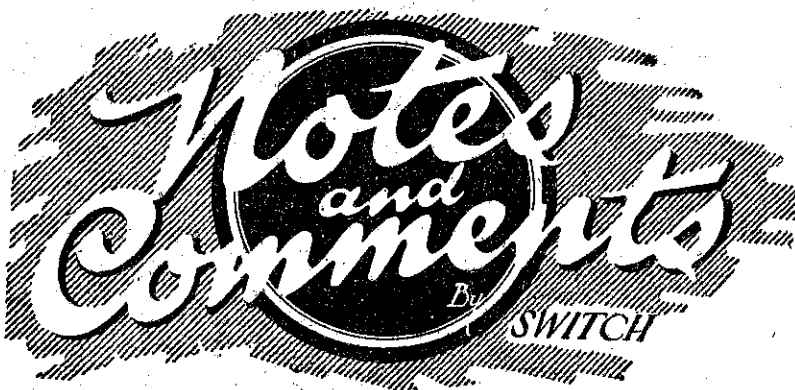
AT the "Old-Time Night" broadcast recently by 3LO, Melbourne, and relayed alternately by 2BL and 2FC, Sydney, the writer heard a former Wellington resident, Mr. Syd. Exton, sing "When You and I Were Young, Maggie." His voice came across very distinctly, and it was not difficult to identify the singer.

STATIC has been rather insistent lately, and has somewhat interfered with reception of the Australian stations until after 11 p.m. The abnormal weather may have some connection with this "overdose" of static. When winter sets in properly there should be a distinct decrease in atmospherics.

A WELLINGTON suburbanite asked "Switch" the other day why reception with his a.c. set is noticeably weaker on some afternoons. A voltmeter test would show that there is a drop of voltage in his household mains during certain hours. This, at least, was found to be the cause in one instance.

THE new Canadian broadcasting scheme embodies the erection of seven stations of 50,000 watts each, distributed across the Dominion. Before many months elapse New Zealand listeners should be able to hear one of these giants on the Pacific side of Canada.

"SWITCH" was much interested in the report, published in last week's "Record" of the nightly reception of 2YA, Wellington, far away in Valdez, Alaska. Valdez is exactly 7000 miles, in a straight line from Wellington. Unless there is a daylight saving regulation in Alaska, when it is 8 p.m. in Wellington it is 10 p.m. in Alaska. To give regular loudspeaker reception at a range of 7000 miles is a veritable triumph for any broadcast station.



A STEADY demand for portable receiving sets is reported in Wellington. The vogue of the motor-car has rendered the portable a desirable accessory. Recently the Wellington "trade" was completely sold out of the 120-volt small block "B" batteries suit-

multi-valve set, is about to transmit on higher power. A much more efficient aerial system has also been installed, so reports of reception in Wellington should be numerous shortly.

THE Australian Commonwealth Government, in adopting drastic measures to combat the inequality between imports and exports, has now totally prohibited the importation of radio receiving sets, assembled or even partly assembled. This has created a tremendous stir in the Australian radio "trade," although lately fully 80 per cent. of the sets marketed in Australia have been manufactured in the Commonwealth. It is said, however, that those who have been relying on imported sets are arranging to have their sets made in Australia. A hint has been published that the Radio Corporation of America will now establish a factory in Australia.

ONE wonders whether anyone in New Zealand can beat this for a record. Recently Mr. Robert Hillas, who is more than a hundred years old, assisted at one of the children's sessions at 4QG, Brisbane, recently. The old gentleman told stories of the bushranging days in Australia.

MENTION was made in the cables recently that the British Government proposed to submit to the Imperial Conference a plan for a short-wave Empire broadcast station to take the place of 5SW, Chelmsford, so that good reception could be obtained in all the British Dominions. The station would, therefore, be much more powerful than 5SW in order to give a reliable service. The proposal is that the Dominions be asked to contribute to the cost of erecting the new station. It would not be out of place for the various radio societies and clubs throughout New Zealand to pass a motion commending the scheme, such resolution to be forwarded to the Prime Minister.

A BRITISH short-wave broadcast station which would afford a reliable service for New Zealand would be a veritable boon for the people of the Dominion. Reception would be quite suitable for relaying by the "YA" stations, so that every listener in this country would be served. The "silken bonds" of the Empire would undoubtedly be strengthened by such a service. It is to be hoped that New Zealand's representative at the Imperial Conference will support the plan.

Reception Table

FOR the guidance of those who wish to check their reception of the Australian stations, "Switch" has prepared the following table showing the average relative strengths with which he has obtained reception at 11.30 p.m. during the past week:—

2BL, Sydney	10
2FC, Sydney	7½
4QG, Brisbane	7
3LO, Melbourne	7
2UE, Sydney	6½
3DB, Melbourne	6½
2GB, Sydney	6
3UZ, Melbourne	5
3AR, Melbourne	3½
5CL, Adelaide	2
2HD, Newcastle	1½
2KY, Sydney	1½

The above figures are the points assessed, with 10 as the maximum.

able for portable sets, and customers have had to wait for the arrival of new stocks.

THE new transmitter for 2LO, London, located at Brookman's Park, has a power of 80,000 watts. Of course, it is now difficult to tune out that station unless located at a considerable distance from it. As a necessity many listeners near London are now employing wave-traps.

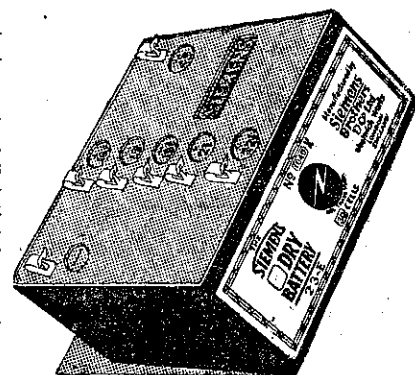
A WELLINGTONIAN who writes that he has plenty of space for a counterpoise "earth," asks for advice on this system. The counterpoise should be erected about 10 feet from the ground, and should run exactly under the aerial for nearly its whole length. The counterpoise should be as carefully insulated as the aerial, even to the lead-in tube through the wall of the house, or the window frame. It will give greater selectivity, and will probably cut down interference from some kinds of electrical leakages in the neighbourhood.

THE Sydney "B" class station, 2UW, which is only occasionally heard in Wellington by owners of the average

the current is switched on. All up-to-date a.c. sets have the internal metal-work "earthed," but there is always some risk of an electric shock if one tinkers with an a.c. set, when the current is passing through it. Even when the valves are switched off the current is still in the circuit unless the switch on the wall is turned off.

CRACKLING in a loudspeaker may be due to a most unthought of cause. A Wellington service man recently struck what appeared at first to be a most difficult case, but on investigating the loudspeaker circuit he made a surprising discovery. Some dirt and fluff was lodged between the loudspeaker plug and the jack in the set. As soon as this had been removed the crackling ceased.

AN American visitor informed "Switch" that very few crystal sets are now used in the United States. A crystal set equal to anything in the world for results can be purchased in America for four shillings. Headphones are used only with crystal sets, and by a small proportion of short-wave enthusiasts. Prices for "all-electric" sets range from £14 up to £50. One very seldom sees a battery-operated set on sale in the American cities nowadays, the a.c. set having swept all before it.



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THE Home papers are publishing timely warnings to owners of a.c. sets not to touch the inside parts when

Stations Identified

IN the issue of April 11, 1930, mention was made by M.B.S. (Palmerston North) to the effect that he heard KTM, Los Angeles, made two announcements (KGM and KTM). His statement is quite correct—the stations are evidently jointly controlled. On Friday, 11th, I hear KTM at 7.30 p.m., when they were relaying a dance programme, well-known items being played ("Moonlight and Roses," etc.). During the item mentioned the announcer broke in: "Friends on the air, we wish you could just drop in here, but we are returning to the studio." At the studio the announcer said: "This is KTM, Santa Monica; you are now in the studio of KGM, Los Angeles, U.S.A. The time is one minute to twelve o'clock, Pacific standard time. We wish everybody pleasant dreams, etc." Later, however, I heard music from KTM again, so it did not close down. The same evening I had seven other Americans, all quite audible.—Arthur E. Allen (Avondale).

AS it is something of a novelty for Mr. Morrison to ask for a call sign (he is usually able to answer others' queries), I am pleased to be able to answer his question (in issue of April 18) as to station on approximately 1065 k.c. (283 metres), beginning with W. This is almost certainly WTIC, Hartford, Connecticut. I received a verification card from this station to-day. They operate on 1060 k.c. (283 metres), power 50,000 volts. Why Mr. Morrison has not logged them is probably because they divide time with WBAL of Baltimore, and sign off early. After installing a new transmitter they made several 24-hour special tests, and specially asked for DX reports. Their letter thanked me for report on one of these tests.—"W.S." (Tokomaru Bay).

IN the "Radio Record" of April 11, 1930, J. Howie, of Dunedin, asked what station was conducting a children's session on Thursday, 27/3/30. This was station 4Z0, owned and operated by Barnett's Radio Supplies, of the Lower Octagon, Dunedin.—I. W. Standage (Dunedin).

Identification Wanted

ON April 18 at 8.10 p.m. I tuned in a station on 1340 k.c. (224 metres), calling "Hello, Radio, Melbourne! We left Williamstown last night at 7.30 p.m. and we are 55 miles north-east of Sydney and are having a westerly wind, but everything is O.K." This was repeated three times. It seemed the person he was talking to had some difficulty in hearing him. Can anyone identify this station? It was an Australian station, strength R7 to R8.—S. Ellis (Okato).

ON Friday, April 4, I picked up a station at 7.45 p.m. broadcasting items from "The Love Parade." Kilocycles approximately 665 (450 metres), strength about R6 on the speaker. 2FC was just

THE D.X. CLUB

Views and News.

below, interfering to some extent, so it was not the Australian. In fact, the unknown station was once or twice louder than 2FC. Has anybody heard this one? Others I would like identification for are: (1) Saturday, April 5, 7.45 p.m., k.c.s. 820 approximately (366 metres). This station (evidently an American) was just above KOA, broadcasting orchestral music. (2) Sunday, April 6, 5.3 p.m., k.c.s. 1130 (265 metres), music was faintly heard.

On Sunday, April 20, at 6.50 p.m., I picked up a station on 580 kilocycles (517 metres). Strength was then good on the loudspeaker. One or two of the items were "That's My Baby Now," "Just Like a Melody Out of the Sky." No announcement was given between items, the station going off the air for a minute or so. I had the same station to-day (21st) at 4.20 p.m. with popular items again. It faded out at 5.15 p.m. The procedure was the same as yesterday. Strength in both cases varied from a mere whisper to good volume. There is probably some connection between this station and the one heard by S. Ellis (Okato) on 610 k.c. (492 metres).

To-day, beginning at approximately 5 o'clock, I logged KFRU, KLX (both new to my log), as well as KGO, KPO, KFI, KOA, KMOX, KNN, WCKY, WENR, KHJ, WLW, and KFRU, all before six o'clock, at various strengths, but static was very bad. Most of these can be logged any evening after six and before 7.45 p.m. on the speaker.—Arthur E. Allen (Avondale).

TO-NIGHT I logged a station operating on approximately 356 metres (842 kilocycles). This station is between 2BL and 3LO's frequency. Items consisted of musical numbers, one being "The Toy Maker's Dream," after which a man spoke. Time, 10 p.m. to 10.15 p.m. Strength R3-4. Static extremely bad. Plenty of "howlers" about. Fading acute. Would this be 2ZC, Waitoa? No announcement heard—conditions far too bad. Could any D.X. member give address?—"Sonora" (Wellington).

CAN any readers identify two short stations—one at 5 p.m. Wednesday, April 23, on about 65 metres, transmitting musical numbers ("Moonlight and Roses" was one). Call was given, but static too bad, closed down 5.30 p.m., strength R7 on the speaker. The other station about 9.30 p.m., on same date, on about 48 metres, musical items and band music. The latter included the "Double Eagle" march. Strength about R4 on speaker, static too severe for a call.—N. C. Winstanley (Picton).

ON Wednesday night, 16/4/30, I tuned in a station whose identity, if possible, I would like to know per medium of some D.X. member. Items consisted of gramophone records, one being "Show Me the Way to Go Home," a concertina (or similar instrument) piece. Strength R2-3, fading bad. Static also very bad. There were plenty of howlers about the station. Time approximately 10.15 to 10.30 p.m. Wavelength 240 metres, 1250 kilocycles. Somewhere around 2YB, New Plymouth.—"Sonora" (Lyall Bay).

DX Topics

A Reply to Verification Complaints.
IN reply to correspondents who complain about not receiving replies to requests for verification of reception we would state that the owners and operators of 4Z0 (Barnett's Radio Supplies) at all times welcome reports, and in every instance the official verification card (sample enclosed) is sent by return of mail. Station 4Z0 is owned and operated by Barnett's Radio Supplies, and transmits from their business premises

To DX Club Members

OWING to the heavy demands made on our space, and to the increasing amount of correspondence received from DX enthusiasts, we have found it necessary to request the following courtesies:

(1) Address letters to: The Editor, DX Club, Box 1032, Wellington. Nom de plumes may be used, but all letters to be signed. Write in ink, and on one side of the paper only.

(2) Be brief, but do not omit interesting or essential details. (At present almost every letter has to be re-written and condensed.)

(3) When stating the wavelength of a station, if possible give the corresponding frequency. This may be calculated from the formula:

$$K = \frac{300,000}{M}$$

where M = wavelength in metres, and K the frequency in kilocycles.

(4) When inquiring about the identity of stations, give the following particulars: Date and time of reception, approx. wavelength and frequency (see Rule 3), and items heard (not more than three). If unable to state wavelength, give dial readings and proximity to well-known stations.

Record," and it may be of interest to readers to know that this station is regularly heard by me. Particularly good reception was accomplished on 14th inst., when I picked this station up at about 10.30 p.m. at good loud-speaker strength. May I suggest that correspondents to the DX Club state the hour of reception of various foreign stations. This would greatly assist identifications.—"Listener" (Opunihou).

Mexico on the Broadcast Band.

TO-NIGHT (April 23), at 6.1 p.m., I picked up station WTAM, broadcasting a test programme on 1070 k.c. The station is situated in Cleveland, Ohio, and the announcer asked for reports. Though this station is marked in the "all-electric" handbook as not being heard, I believe it was logged some time ago by "Majestic II." The strength of the signals was fair speaker, but static was bad. WTAM is the station that was to broadcast a special programme for New Zealand, on April 11 last. I did not pick up WTAM on that night, but I got WEAR, Cleveland, which broadcasts on the same frequency. I picked up WEAR at 7.20 p.m. and identified several items, at good strength. I am enclosing a cutting from an American paper (Allentown "Morning Call," Pennsylvania) which shows that WEAR and WTAM broadcast the same programmes. I wonder if it is possible that WEAR was broadcasting the New Zealand programme that night, too?

Also, to-night, I had a station giving musical items, and announcing in a foreign tongue. It was practically on 2YA's wavelength, 720 kilocycles (416 metres) at weak speaker strength. I had it from 6.40 p.m. till 7 p.m., but I heard no call sign—that is, one I could identify in English. I presume this is the Mexico City station XEN, which Mr. S. Ellis, Okato, reported recently. Static was too bad to warrant waiting for an announcement in English. XEN broadcasts on 411 metres (730 k.c.) according to a letter I have received from an American enthusiast.—Arthur E. Allen (Avondale).

"B" Class Stations.

I WISH to thank your correspondent Mr. R. Leslie Jones (Lyall Bay) for his information in answer to my inquiry re short-wave telephony picked up. Other D.X. members are suffering the same as myself with regards to answers from our "B" stations. I have since written again, enclosing a penny stamp as a reminder that some correspondence on their file is as yet unanswered. That is nearly one month ago. Still they ignore me. If the business part is carried on in the same way their customers must vanish into the air like the transmissions, gone, but being appreciated elsewhere. For the benefit of other D.X. members who too may fall I enclose the call letters of the offenders: 4ZL, Dunedin (all of us have heard this station's slogan, and don't they live up to it?); 4ZN, Dunedin; 4ZB, Dunedin; 2ZK, Wanganui; and 2ZM, Gisborne. I quite agree with "Disgusted" (Waikato) re our American friends.—"Sonora" (Lyall Bay).

Short-wave Notes

WHILE listening in on the afternoon of April 19, I picked up (at approximately 3.3 p.m.), Station KPO, Oakland, California, on approximately 22 metres. Reception was medium speaker strength, with slight gushiness. Towards 5 p.m. reception improved, every word coming through clearly. They were still on the air at 7 p.m., when I shut down.—M.W. (Wellington).

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MOORES

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Power Interference.

THERE appear to be several questions that the officials concerned in your article on "Power Interference" should be called upon to answer.

(1) Has the P. and T. Department definitely located any forms of interference, not especially in the immediate neighbourhood of the complaints, but in the surrounding districts?

(2) Why is the attitude being taken up that it is the listener's duty to locate these troubles, when there is an up-to-date equipment available by those who are being paid by the listeners to investigate the causes, and why is it not in the interests of the power boards to rectify any of these defects, which are quite liable to develop into serious trouble, and cost the power boards concerned more than many times the cost of the small amount of time taken to rectify them in their initial stages?

(3) Why should it be necessary for a power board to employ a specially trained engineer to locate these defects when in the majority of cases they are nothing more or less than leaky insulators, and the repair must surely come within the scope of the ordinary engineer and does not require any elaborate apparatus to locate.

(4) Has the P. and T. Department pointed out any specific causes of interference to the power board, or having done so been told "to mind its own business" or words to that effect. It is admitted that the competition of the supply authorities in America has been a big factor in making them keep their lines and apparatus up to scratch. Is it suggested that this lack of competition is making those responsible lax in their responsibilities.

The P. and T. Department's views as expressed, seems to point to the fact that they are satisfied that it is insulator trouble, and from the type of interference this appears obvious, and a thorough pole to pole test of all insulators of all high tension lines will soon locate these, and the theory of potential differences between line and earth connected bodies, can only be considered, as the lines and poles. Have those responsible considered that a high frequency discharge formed through or over an insulator at some remote spot from the apparent centre of interference can be picked up, and superimposed over the natural frequency of the line or lines, and the point of interference transferred to some spot remote from the actual leak and a whole section of line made to appear faulty.

In conclusion, let me say "get together" to those responsible, and give the listeners a fair go, even though "the matter is not sufficiently in their interests to rectify," and not take the listeners' 30/- a year in and year out under false pretences.—F.G.R. (Lower Hutt).

[In reply to F.G.R.'s questions:—

(1) Yes, several forms of interference have been definitely located and cured in the neighbourhood.

(2) There are many parties equally interested and the listener is one of them. He should share responsibility in coping with a difficult problem. The faults rarely develop into serious ones from the power boards' point of view.

(3) In many cases the leakages are extremely hard to locate.

(4) No.—Power boards and department co-operate closely in trying to reduce trouble. We did not attempt

to outline all causes of interference. Only the more common received attention. The one suggested is one of those that are difficult to locate.

Judging from the last paragraph the Department gets 30/- a year per license to keep down interference.—Obviously incorrect.—Ed.]

I HAVE read with interest your article on power-line leakages in your issue of 17th inst.

The radio listeners of Hutt Road between Petone Station and the ramp know only too well the effects of these leakages. Night after night, unless heavy rain falls, we can listen to 2YA only. When the set is tuned for any other station only a terrific roar is heard. I have, together with another listener, complained to the Hutt Valley Power Board and Post and Telegraph Department, the latter being unable, I understand, to locate the trouble.

The engineer of the Hutt Valley Power Board expresses an opinion that the binders are probably the cause of the trouble. If so, why is this leakage peculiar to this area alone and is not in evidence further down the valley? I have walked along the pole lines in this area and could see no signs of a leakage, though, of course, this would be impossible to detect if the breakdown had been directly through the insulator to the spindle.

This roar, which has increased in intensity during the last fortnight, has been "in the air" now for nearly 10 months and is getting now a little monotonous. If the Dannevirke Power Board can afford a valve set for locating troubles in its lines and keep a correct maintenance, then surely the Hutt Valley can do something in the matter, in conjunction, of course, with the P. and T. Department.

A noise, with just as much kick as the present one, developed in the early part of last year and went on for nearly two months, gradually developing in intensity. I rang both the Public Works Department and the Hutt Valley Power Board asking if they could do anything in the matter of clearing the trouble. Both replied to the effect that it could not be in their lines. A few nights after trouble developed in the H.T. feeders above the main Hutt Road near the Woollen Mills, burning a pole and cutting off the supply to the valley. This, I heard later, was due to a faulty insulator bursting and letting the wire down in the arm. From that night onwards (for a few months) peace reigned again for listeners along the Hutt Road. I'll warrant the cost of the damage that night would have bought a good trouble-finding set for either the Public Works Department or the Hutt Valley Power Board.



In view of the foregoing I am still certain the trouble is due to faulty insulators, and judging by that beautiful low-frequency hum and roar to-night, we are just about due for another breakdown in our electrical supply. The sooner the better for all concerned.—"R.M." (Petone).

Sports Broadcasts.

ARISING out of the correspondence regarding the Rugby ban, three correspondents bring forward an argument summed up by "All One" (Wellington). "Is it true, as I am informed on good authority, that it was Mr. Aldridge who moved the motion that the Wellington Boxing Association ban the broadcasting of boxing bouts from the Wellington Town Hall? If not, and he being well in in the boxing circles, did he attempt to get the Wellington Boxing Association to broadcast its matches? I say no."

Consulted on the question, Mr. Aldridge affirms that he is consistently advocating the broadcast of all sports, including boxing from the Wellington Town Hall. He is not in the Wellington Association and was not in the position to ban the boxing.

Distortion of 2YA.

IN your issue of the 11th inst. I read with interest two letters re distortion of 2YA signed by "Screen Grid" and "Constant Listener." I could

get you a dozen such letters from Masterton all with the same complaint. I have also read the reply of the engineer at 2YA, but cannot accept his explanation. If he is correct, how is it that we should have distortion and mushy reception this year, a condition that has not happened since 2YA's fine new station came on the air? I have had nothing but praise for 2YA up till this year, but now I am able to sign this letter "Disgusted." Speaking to a friend in Wellington yesterday he had the same complaint as the above two writers.—"Disgusted" (Masterton).

Broadcasting a la Shakespeare.

WE are very satisfied with 2YA's programmes, and we read the comments in your paper, and are amused. To modernise Shakespeare we would say 2YA's programmes are neither good nor bad, but thinking makes them so." We have no complaints, but would like more jazz, we are 1930 here, although we saw 1890.—Up-to-date (Wellington).

Sports Results from 4YA.

I HAPPENED to be called upon to go away when the Trowern v. Hancock bout was on, but I thought the next best thing was to hear it over the air from 4YA. I did not, except for two reports; one was up to the fifth round and the next was when the thirteenth round had just completed. This report came through just a little after 10 o'clock, and instead of 4YA staying on the air for at least ten minutes they closed down after they had given the report up to the thirteenth round. Why did they do this? They regretted being unable to give a ringside description, but they could not stay on the air to give the result of the fight. I have heard 2YA stay on the air for at least three-quarters of an hour after their usual closing time to give out the result of a fight. Why could 4YA not do this? Another thing is the results of the broadcasting at the Speedways. 2YA generally has the results from Christchurch as well as Kilbirnie. 4YA lack this point; no results from their own station. I hope to see an improvement in 4YA.—"Sport" (Dunedin).

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Features from

NEXT WEEK'S PROGRAMMES

SUNDAY

From 1YA.

THERE will be a relay from St. Matthew's Church, the service to be conducted by Canon Grant Cowen. This will be followed by a studio programme on which will appear Mrs. Laetitia Parry and Miss Phyllis James, in solos and duets. Instrumental items will be given by the Studio Trio and Mr. Eric Waters, pianist.

From 2YA.

THE evening service at St. Gerard's Redemptorist Church will be relayed. The preacher will be the Rev. Father T. O'Connor, the organist Mr. H. Mount, and the choirmaster Mr. Frank Oakes. The band recital of the Wellington Municipal Tramways Band will be relayed from His Majesty's Theatre at the conclusion of the church service.

From 3YA.

THE jubilee evening service at Knox Presbyterian Church will be broadcast by 3YA. The Rev. George Budd, Moderator of the General Assembly, will be the preacher.

From 4YA.

THE evening service in First Church will be relayed by 4YA. The preacher will be the Rev. Stevely. The studio programme which will follow will be contributed by the Salon Orchestra (under Mr. A. H. Pettitt), Miss Molly Vickers (mezzo-soprano), Miss Mary Teviotdale (contralto) and Mr. J. E. Davis (tenor).

MONDAY

GRAND OPERA

1YA Silent.

From 2YA.

AT 7.40 p.m. Mr. J. W. Fergie, of the Head Office, N.Z. Railways, will deliver a talk on a subject that will interest a large number of listeners, viz., "The Romance of the Main Trunk." The talk will give an outline of the history of this great railway constructional work.

The evening programme will be devoted to a repeat performance of Wodehouse's brilliant farce comedy, "Good Morning, Bill," by Mr. Victor Lloyd's Company. This performance is in answer to many written requests. The incidental music will be played by the 2YA Orchestra under the conductorship of Signor A. P. Truda.

From 3YA.

A BAND programme will be provided by the Woolston Band under Mr. R. J. Estall. A very fine concert will be presented, the items to be played including the two marches, "Cavalry of the Clouds" and "Top Notch," the overture "Napoleon," Luigi's "Ballet Egyptienne" suite, and a dance burlesque, "Laughing Marionette." The "Miserere" (from "Il Trovatore") will be played as a trombone and cornet duet. Another duet, "Watchman, What of the Night?" will be played by the trombone and euphonium, with band accompaniment. Rimmer's "Hailstorm Polka" will be presented by Bandsman R. Ohlson, cornetist. Further instrumental numbers will be supplied by the Broadcasting Trio. On the vocal side of the programme items will be given by Mrs. Lucy O'Brien (soprano), Miss Kathleen Bond (contralto), and Mr. Olive Hindle (baritone). One of Mr. Hindle's songs will be a one-time favourite, "The Valley by the Sea." Humorous recitations will be given by Mr. J. J. Flewellyn.

From 4YA.

AT 4YA, under the direction of Mr. Alfred Walmsley, there will be studio presentations of the

grand operas "Cavalleria Rusticana" and "I Pagliacci." This programme is referred to more fully on page 5.

TUESDAY

From 1YA.

AT 7.15 p.m. Mr. George Campbell will continue his talks to motorists.

A new artist will be introduced to 1YA listeners in the person of Mr. Arthur W. E. Webb. Mr. Webb is the champion soprano cornet player of the Dominion, having for the fourth successive time won the honour at the contest in Dunedin in February last. He will play the solos "Tancredi" (by Rossini), "The Heart Bowed Down" (by Balfe), and "Una Furtiva Lagrima" (by Donizetti).

Miss Nellie Lingard (contralto) will be heard in solos from the operas "Alceste" and "Mitrane," and the Misses Phyllis and Edna Tye will appear together in mezzo-soprano and pianoforte solos. Other instrumental items will be rendered by the Studio Trio, their numbers being operatic selections. Mr. A. B. Chappell, M.A., will give another Topical Talk. Latest recordings will be reviewed by a Commentator.

From 2YA.

MR. LEW JAMES'S International Radio Players will present a modern and up-to-date vaudeville programme during the concert session. Mr. James comes to 2YA fresh from his triumphs at 1YA, and listeners can rest assured that this will be a programme of a high order.

Silent Day at 3YA.

From 4YA.

THE Band of the Otago Regiment, under Mr. Lew O. Asten, will provide the evening's programme. Vocalists engaged for the evening are Miss Mari Tucker (soprano), Mr. Jack Clark (baritone), Mr. James A. Paterson (Scottish humorous numbers), and Mr. D. E. Dall (elocutionist). Rachmaninoff's "Melodie" will be played by Mrs. C. Drake (pianiste).

WEDNESDAY

A NOTED PIANISTE

From 1YA.

AT 7.40 p.m. Mr. Norman Kerr will give another of his interesting talks on Physical Culture.

The studio programme will be a variety entertainment entitled "Something Different," and will be provided by the Anglican City Mission. The Rev. Jasper Calder will have charge of the proceedings for the evening. He produced a few months ago the entertainments known as "Jasper's Limited."

These were very successful, and, working on similar lines, an excellent production is assured listeners this evening. The artists include many of Auckland's leading performers and plenty of variety is promised.

From 2YA.

This is usually "Silent Day" at 2YA, but the station will be "on the air" on this occasion in order that listeners may be kept in touch with the results of the Parnell by-election as they come to hand. Items will be given from the studio, whilst listeners are waiting for the results to come in.

From 3YA.

THE programme will be mainly operatic. "Maritana," "Irene," "Martha," "Rigoletto" and "Jongleur de Notre Dame" will be represented in the solos and duets which will be sung, several of them for the first time at 3YA. The vocalists will be Madame Gower Burns, Miss Mavis Spiller, Mr. Ernest Rogers and Mr. J. Filer. For each of the two of Madame Gower Burns's solos there will be harp obligato by Mr. Harry Glaysher. Pinsuti's "Rugler," an old military song whose popu-

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Commencing 8 p.m.



Mr. Leon de Mauny.
—S. P. Andrew, photo.

PART I.

Fingal's Cave Overture	Mendelssohn
Violin Concerto	Mendelssohn
Italian Symphony	Mendelssohn

PART II.

Egyptian Ballet	Luigini
Finlandia	Sibelius
Orchestral Suite from Hiawatha	Coleridge-Taylor
Hungarian March from Damnation of Faust	Berlioz

larity will be well remembered, will be sung by Mr. J. Filler. A quartette number for the evening will be "The Snow" (Elgar), which will be sung for the first time at 3YA.

On the instrumental side of 3YA's programme will appear Mrs. Alice Forrester (nee Miss Alice Rowley, daughter of the late Mr. J. Rowley, at one time recognised as the finest flautist in Christchurch). She had the honour of being the first Bachelor of Music in Australasia. One of her pianoforte items will be Chopin's "Raindrop Prelude." Somewhat of a novelty on the evening's programme will be Moszkowski's "Suite for Two Violins," played by Miss Irene Morris and Mrs. A. H. Bills. Further instrumental items will be contributed by the Broadcasting Trio.

From 4YA.

"WOOLLEN CLOTHING" is the subject for the talk by the Home Science Extension Department of the Otago University in the afternoon. In the evening at 7.15 Mr. L. W. McCaskill will review the April issue of the Journal of Agriculture. Both talks are under the auspices of the 3YA Primary Productions Committee.

The evening's concert programme at 4YA will be of a light nature. Among the principal contributors will be the Novelty Syncopators, playing fox-trots, valse and other bright music. Light vocal numbers comprising the latest hits will be given by Mr. Norman D. Scurr. Miss Tui Blackman (soprano), will also sing light airs and baritone solos will be contributed by Mr. G. M. Salmond. Elocutionary items will be given by Miss Maiona Juriss.

THURSDAY

MALE VOICE CHOIR

From 1YA.

MORE new artists will appear on 1YA's programme this evening, when the programme will be contributed by Miss Marjorie Fair (soprano), Mr. T. T. Garland (humorist) and the Aloha Duo (in banjo, guitar and vocal novelties). That popular entertainer, Miss Cherry Anderson, will again appear in piano novelties while the Orchestral Octet, under Mr. Eric Waters, has arranged some more very fine instrumental numbers. The programme will conclude with dance music until 11 p.m.

From 2YA.

DURING the news session Miss Inez Connop will give another of her entertaining and instructive talks on "Dancing."

The first concert of the Wellington Symphony Orchestra, 1930 season will be relayed from the Town Hall at 8.15 p.m.

The first portion of the programme will be devoted to the works of Mendelssohn, the numbers to be played will be "The Fingal's Cave Overture," the "Concerto in E Minor," and the "Symphony in A" (The Italian).

The second half of the programme will be of a miscellaneous nature, the items being the "Ballet Egyptian," "Finlandia," "The Hiawatha Suite," and the "Hungarian March" by Berlioz.

From 3YA.

THE first concert of the 1930 season to be given by the Christchurch Male Voice Choir will be broadcast by 3YA. This broadcast has been arranged for by the 3YA Musical and Dramatic Committee. The programme which has been arranged

will equal, if not excel, the best ever given by the choir. The Cathedral Choristers will be assisting the choir and the soloists for the evening will be Messrs. S. C. Andrews, F. C. Penfold and L. E. Hamilton, with the addition of Miss Anita Graham (mezzo-contralto). A string quartette, consisting of Mrs. Francis Bate, Mr. Arthur Gordon (violins), Professor Oddone Savini (viola) and Mr. Francis Bate (cello), has also been engaged. The conductor will be Dr. J. C. Bradshaw.

Silent Day at 4YA.



MR. ALFRED WALMSLEY, under whose direction will be presented the grand operas "Cavalleria Rusticana" and "I Pagliacci" from 4YA on May 5.

FRIDAY

BRAHMS NIGHT

From 1YA.

MR. W. E. G. WHEELER will give a further talk on Esperanto. At 8 o'clock there will be a relay from the Lewis Eady Hall of the latest piano and instrumental music. The studio programme will be devoted to the works of the great composer Johannes Brahms. Two short talks on the life and works of Brahms will be given by Mrs. Daisy Basham, who has made a special study of this subject. She will be assisted by Madame Mary Towsey (soprano) and Mr. John Bree (baritone) in songs composed by Brahms and trios will be played by the Studio Trio. Special recordings of Brahms's works will also be introduced. This type of programme is becoming exceedingly popular with 1YA listeners and it is the station's intention to arrange, as far as possible, for these evenings to coincide with the various composers' birthdays. The birthday of Brahms is on May 7.

From 2YA.

THE lecturer during the news session on this occasion will be Mr. Norman R. Jacobsen, who will give another of his series of talks on "Simple Explanations of Scientific Phenomena."

THE whole of the evening programme will be devoted to a performance of the three-act comedy "Give and Take," by Mr. Lew James's International Radio Players. Mr. James will on this occasion give listeners "something different" in the way of play presentation and plays, and this promises

to be a unique programme in every way. Friday is usually an "operatic" night at 2YA, but this class of programme has been shelved on this occasion in order that the company might take advantage of Mr. James's temporary sojourn in this city.

From 3YA.

THE weekly talk to farmers will be given by Mr. M. J. Scott, B.A., B.Sc., on the subject of "Winter Feeding of Stock."

The Valencia Quartet has a very



MISS MAVIS SPILLER, who will take part in the presentation of vocal operatic selections from 3YA on May 7.

attractive programme at 3YA, where the concert will be followed by a dance session at 9.30. One of the concerted numbers is worthy of special mention, "Ever of Thee," first sung in the early 'sixties. Other quartets will be "Evening's Pastoral" (Shaw) and "It was a Lover and His Lass." Solos by Miss Lucy Fullwood will be "Spring's Awakening" and "There's a Song Down Every Roadway." Miss Mary Taylor will sing: "A Bowl of Roses," "The Sweetest Flower that Blows," and "The Hills of Donegal." Tenor solos by Mr. R. G. Rogers will be "Macushla" and "Mountain Lovers." The stirring

"King Charles" and "Song of the Waggoner" will be sung by Mr. E. J. Johnson.

A new humorous entertainer is Mr. Reg. Lamb, who will be welcomed, and there will be instrumental music by Mr. Harold Beck (cello) and the Broadcasting Trio.

From 4YA.

AT 3.15 there will be a talk on "Fashions" by Miss Bucleugh. Contributing to the evening's concert will be the Winkel-Lampen Radio Players. They will present two sketches, "The Cure" and "A Home for Paul." On the musical side of the programme will be items by Miss Poppy Christie (soprano), Miss Helen E. Roy (contralto), Mr. E. J. Davies (tenor, one of whose songs will be sung in Welsh), and Mr. L. H. Stubbs (baritone). Violin and piano solos will be played by Mr. J. Wallace and Mr. Max Scherek respectively, and there will be selections by the Studio Trio.

SATURDAY

From 1YA.

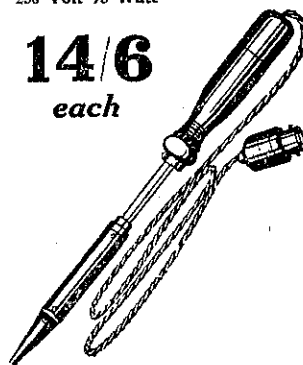
ON Saturday afternoon Mr. Gordon Hutter, sports announcer, will describe the Rugby football from Eden Park.

The Orchestral Octet will play during the evening session, and two very interesting items are included in their numbers: a saxophone duet entitled "Plantation Echoes" and Coleridge Taylor's suite, "Petite Suite de Concert." The popular Bohemian Duo will appear in steel guitar and vocal novelties. It is interesting to note that this combination was for some time on tour with Williamson's Celebrity Vaudeville. The Snappy Three will again be heard in some of the latest hits. Two more new artists will be heard on this programme. Miss Adele Taylor (mezzo-soprano) was for some time with J. C. Williamson's and has just completed a tour with Pat Hanna's Diggers. A first-class bass-baritone, Mr. Arthur Wright, is making his first appearance at 1YA. He possesses a very fine voice, and is well known throughout various parts of the Dominion as an excellent artist. Humour will be provided by Mr. S. W. Marshall. Dance music will be given until 11 p.m.

(Concluded on page 21.)

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CHRISTCHURCH.

Full Programmes for Next

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Sunday, May 4

1YA, AUCKLAND (900 KILOCYCLES), SUNDAY, MAY 4.

- 3.0 : Selected studio items, including literary selection by the Announcer.
 4.30 : Close down.
 6.0 : Children's song service, conducted by Uncle Leo.
 6.55 : Relay of evening service from St. Matthew's Church. Preacher: Canon Grant Cowan; organist, Mr. J. H. Philpott.
 8.30 : (approx.): Orchestral—Royal Philharmonic Orchestra, "Summer Night on the River" (Delius), Col. 03632.
 Contralto—Miss Phyllis James, (a) "Rain" (Curran), (b) "Thank God for a Garden" (Del Riego).
 Instrumental—The Studio Trio, "Elegy from Trio in D Minor."
 Vocal duet—Mrs. Laetitia Parry and Miss Phyllis James, "A Cradle Song" (Chapman).
 Piano—Mr. Eric Waters, "Four Little Poems" (McDowell).
 Male Quartet—The Salisbury Singers, "When for the World's Repose" (Mornington), Col. 01475.
 Instrumental—The Studio Trio, "Three Miniatures" (Bridge).
 Soprano—Mrs. Laetitia Parry, (a) "Open the Gates of the Temple" (Knapp), (b) "Will He Come?" (Sullivan).
 Piano—Mr. Eric Waters, "Les Barricades Mysterieuses" (Couperin).
 Vocal duet—Mrs. Laetitia Parry and Miss Phyllis James, "On Wings of Song" (Mendelssohn).
 Instrumental—The Studio Trio, "Scherzo from Trio in D Minor."
 9.30 (approx.): God Save the King.

2YA, WELLINGTON (720 KILOCYCLES), SUNDAY, MAY 4.

- 3 p.m. to 4.30 p.m.: Afternoon session.
 6.0 : Children's song service, conducted by Uncle George, assisted by the Church of Christ Sunday School Choir.
 7.0 : Relay of service of St. Gerard's Redemptorist Church. Order of service:
 Organ—"Ave Maria (Luzzi).
 Rosary with choral responses.
 Antiphon—"Regina Coeli" (Witzska).
 Sermon—Rev. Father T. O'Connor, C.S.S.R.
 Hymn—"Hail, Queen of Heaven" (traditional).
 Motets—"Angelus Domini" (Oakes, arr. Mount).
 "O Salutaris" (Steinforth).
 "Tantum Ergo" (Murray).
 "Divine Praises" (Oakes).
 "Adoremus in Aeternum" (Barratt).
 Organ—"Finale in A Flat" (Rinck).
 Organist—Mr. H. Mount.
 Choirmaster—Mr. Frank J. Oakes.
 8.15 (approx.): Relay from His Majesty's Theatre of the Wellington Municipal Tramways Band Recital.

3YA, CHRISTCHURCH (980 KILOCYCLES), SUNDAY, MAY 4.

- 3 p.m.: Afternoon session, gramophone recital.
 4.30 : Close down.
 5.30 : Children's song service by children of Presbyterian Sunday Schools.
 6.15 : Chimes, from studio.
 6.30 : Relay of "The Jubilee" (evening service) of Knox Presbyterian Church. Preacher: Rev. George Budd (Moderator of the General Assembly. Musical Director: Mr. A. G. Thompson. Organist: Miss Olive Butler, A.T.C.L.
 7.45 (approx.): Selected items, gramophone recital.
 8.15 : Relay of concert programme from 4YA, Dunedin.
 9.30 : Close down. God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, MAY 4.

- 3 p.m.: Chimes. Selected Gramophone Items.
 4.30 : Close down.
 5.30 : Children's Song Service, conducted by Big Brother Bill.
 6.13 : Close down.
 6.30 : Relay of evening service from First Church. Preacher, Rev. Stevely. Organist, Dr. Galway.
 7.45 : John Barbirolli's Chamber Orchestra, "Symphony No. 2 in D Major."
 8.9 : Utica Jubilee Singers, "Leaning on the Lord," "Balm in Gilead."
 8.15 : Studio programme presented by Salon Orchestra, under direction of Mr. A. H. Pettitt, assisted by Mr. J. E. Davies (tenor), Miss Mary Teviotdale (contralto), Miss Molly Vickers (mezzo-soprano).
 Overture—Salon Orchestra, "Athalie" (Mendelssohn).
 Salon Orchestra, "Adagio Lamentoso," from "Symphony in B Minor."
 8.30 : Contralto—Miss Mary Teviotdale, "Life and Death" (Coleridge-Taylor)

- 8.43 : Male Choir—Don Cossacks, "Monotonously Rings the Little Bell."
 8.38 : Selection—Salon Orchestra, "Barber of Seville" (Rossini).
 8.45 : Tenor—Mr. J. E. Davies, "If With All Your Hearts" (Mendelssohn).
 8.51 : Gavotte—Salon Orchestra, "Bells of Ouseley" (Hume).
 8.55 : Mezzo-soprano—Miss Molly Vickers, "Lord of Our Life" (Dickson).
 8.58 : Weather report.
 9.2 : Tone poem—Salon Orchestra, "Finlandia" (Brechtkopf).
 9.7 : Contralto—Miss Mary Teviotdale, "Wanderer's Night Song" (Schubert).
 9.11 : Male Choir—Don Cossacks, "Song of the Volga Boatmen" (Tradl.).
 9.15 : Selection—Salon Orchestra, "Entry of the Boyards" (Mendelssohn).
 9.19 : Tenor—Mr. J. E. Davies, "Consider and Hear Me" (Wooler).
 9.22 : Suite—Salon Orchestra, "Petite Suite" (Tschalkowsky). 1. In the Troika. 2. Nocturne. 3. Valse Creole.
 9.28 : Mezzo-soprano—Miss Molly Vickers, "Thanks be to God" (Dickson).
 Valse—Salon Orchestra, "Blue Danube" (Strauss).
 9.34 : God Save the King.

Monday, May 5

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, MAY 5.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES), MONDAY, MAY 5.

- 3 p.m.: Chimes.
 3.1 : Selected studio items.
 3.30 and 4.30 : Sports results.
 4.55 : Close down.
 5.0 : Children's session, conducted by Uncle Jeff, assisted by pupils of Mrs. Isobel F. Halligan.
 6.0 : Dinner music session. H.M.V. hour.
 Orchestral—Berlin State Opera Orchestra, "Polonaise" (Liszt), D1625.
 Violin—Isolde Menges, "Nocturne in E Flat, Op. 9, No. 2" (Chopin).
 6.13 : Tacet.
 6.15 : Band—H.M. Coldstream Guards, "La Fille de Madame Angot."
 Piano—Mark Hambourg, "Rakoczy March" (Liszt), C1439.
 Orchestral—John Barbirolli's Chamber Orchestra, "A Little Night Music, First Movement" (Mozart), C1655.
 6.29 : Tacet.
 6.30 : Orchestral—John Barbirolli's Chamber Orchestra, "A Little Night Music, Second, Third, Fourth Movements" (Mozart), C1655/6.
 Piano—Mark Hambourg, "On Wings of Song" (Mendelssohn), C1439.
 6.44 : Tacet.
 6.45 : Quartet—Virtuoso String Quartet, "Londonderry Air" (arr. Bridge).
 Violin—Isolde Menges, "Air on G String" (Bach), D1238.
 Quartet—Virtuoso String Quartet, "The Emperor" Quartet, Op. 76, No. 3 (Haydn), C1470.
 7.0 : News session, market reports and sports results.
 7.40 : Lecturette—Mr. J. W. Fergie, Head Office, New Zealand Railways, "The Romance of the Main Trunk Railway."
 8.0 : Chimes.
 8.1 : Overture—2YA Orchestra, "Merrie England" (German). (Conductor, Signor A. P. Truda.)
 Special repeat performance of the farce in three acts, "Good Morning, Bill," by P. G. Wodehouse.
 Cast:
 Dr. Sally Smith Elsie Lloyd
 Lottie Burke Susie Painter
 Sir Hugo Drake E. R. Render
 Lord Tidmouth H. A. Painter
 Bill Paradene Victor S. Lloyd
 Play produced by Victor S. Lloyd.
 Act I—Scene: A sitting-room in a private suite at a fashionable hotel on the South Coast of England.
 Entrance—2YA Orchestra, "The Maid of the East" (Neale).
 Act II—Scene: The living hall of the Manor, Woolam Chersey, Bill's ancestral home in Hampshire.
 Entrance—2YA Orchestra, "The Earl and the Girl" (Caryll).
 Act III—Same as Act II.
 Valse Lente—2YA Orchestra, "Kiki" (Benyan).
 Tarantelle—2YA Orchestra, "Capri" (Gracey).
 God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES), MONDAY, MAY 5.

- 3 p.m.: Afternoon session, gramophone recital.
 4.25 : Sports results.
 4.30 : Close down.
 5.0 : Children's hour, "Scatterjoy."

Week-all Stations-to May 11

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

- 6.0 : Dinner session, "Columbia" hour.
 Band—Royal Italian Band, "Marcia Reale" (Gabetti), 01182.
 Instrumental—Court Symphony Orchestra, "In Venice" (Cellars).
 Kinema organ—Stanley MacDonald, "Was it a Dream?" (Coslow).
 Band—Royal Italian Band, "Garibaldi's Hymn" (Olivieri), 01182.
- 6.12 : Tacet.
- 6.15 : Instrumental—Ketelbey's Concert Orchestra, "Sanctuary of the Heart" (Ketelbey), 02690.
 'Cello—W. H. Squire, "Melody in F" (Popper), 04178.
- 6.25 : Tacet.
- 6.30 : Instrumental—W. H. Squire's Celeste Octet, "Mignon" (1) Introduction and Romance; (2) Polonaise (Thomas), 02749.
 'Cello—W. H. Squire, "Silver Threads among the Gold" (Danks, arr. Squire), 04178.
- 6.42 : Tacet.
- 6.45 : Band—H.M. Grenadier Guards, "Turkish Patrol" (Michaelis), 4111.
 Kinema organ—Stanley MacDonald, "Nicolette" (Batten), Regal.
 Waltz—Jacque Jacobs's Ensemble, "Weiner Blut" (Strauss), 02556.
 Idyll—H.M. Grenadier Guards Band, "Smithy in the Woods."
- 6.58 : Tacet.
- 7.0 : News session.
- 7.30 : Talk—Mr. N. M. Bell, "Esperanto."
- 8.0 : Chimes.
 Band programme by Woolston Band (R. J. Estall, conductor) and assisted by 3YA artists.
- 8.1 : March—The Band, "Cavalry of the Clouds" (Alford).
 Overture—Band, "Napoleon" (Bilton).
- 8.13 : Contralto—Miss Kathleen Bond, (a) "Love's Coronation" (Aylward);
 (b) "Hail, Caledonia" (Stroud).
- 8.19 : Xylophone—W. W. Bennett, "Dancer of Seville" (Grunow), Col.
- 8.23 : Baritone—Mr. Clive Hindle, "The Valley by the Sea" (Adams).
- 8.27 : Recitation—Mr. J. J. Flewellyn, "How to Live to be a Centenarian."
- 8.32 : Trombone and cornet duo—Soloists and Band, "The Miserere Scene" from "Il Trovatore" (Verdi).
- 8.38 : Soprano—Mrs. Lucy O'Brien, "Down in the Forest" (Ronald).
- 8.42 : Instrumental—Christchurch Broadcasting Trio, (a) "Angels Guard Thee" (Godard); (b) "Serenata" (Toselli); (c) "Polka."
- 8.51 : Male choir—Sheffield Orpheus Male Voice Choir, "The Lincolnshire Poacher" (arr. Chambers), Col. 01175.
- 8.54 : Suite—Band, "Ballet Egyptienne" (Luigini), Nos. 1 and 2.
- 9.2 : Weather report and announcements.
- 9.4 : Organ—G. T. Pattman, (a) "Tired Hands" (Plantadosi); (b) "Can't You Hear Me Say I Love You?" (Brown), Col. 01145.
- 9.10 : Contralto—Miss Kathleen Bond, "Sun Above Me" (Pergolese).
- 9.14 : Trombone and euphonium duet and Band—Soloists and Band, "Watchman, What of the Night?" (Sargeant).
- 9.20 : Baritone—Mr. Clive Hindle, (a) "An Emblem" (Thompson), (b) "When Molly Smiles" (Wilfred Jones).
- 9.26 : Instrumental—Christchurch Broadcasting Trio, (a) "Canzonetta" (Mathais); (b) "Serenade" (Lange-Muller); (c) "Gavotte."
- 9.35 : Recitation—Mr. J. J. Flewellyn, "The Conjuror's Revenge" (MS.).
- 9.40 : Cornet solo and Band accompaniment—Bandman R. Ohlson and Band, "Hailstorm Polka" (Rimmer).
- 9.45 : Soprano—Mrs. Lucy O'Brien, (a) "I Don't Suppose" (Trotiere); (b) "Love's Own Kiss" ("High Jinks"), (Friml).
- 9.51 : Chorus—Columbia Light Opera Company, "Oh Kay Vocal Gems."
- 9.54 : Dance burlesque—Band, "Laughing Marionette" (Collins).
 March—Band, "Top Notch" (Troup).
 God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, MAY 5.

- 3.1 : Chimes. Selected Gramophone Items.
- 4.25 : Sporting results.
- 4.30 : Close down.
- 5.1 : Children's Hour, conducted by Uncle Allan.
- 6.0 : Dinner Session, "Columbia" Hour.
 Orchestra—Orchestre Symphonique de Paris, "L'Arlesienne Suite" (Bizet). 1. Prelude. 2. Entr'acte—Pastorale L'Etang de Vaccares.
 3. Choeurs-Suivant la Pastorale. 01324/25.
- 6.12 : Tacet.
- 6.15 : Selection—Columbia Symphony Orchestra, "Faust" (Gounod), 02708.
 Violin—Tsoscha Seidel, "Chanson Arabe" (Rimsky-Korsakov), 09505.
- 6.27 : Tacet.
- 6.30 : Orchestral—Orchestre Symphonique de Paris, "L'Arlesienne." 1. La Cuisine de Castelet. 2. Minuetto. 3. Le Carillon. 4. Adagietto.
- 6.42 : Tacet.
- 6.45 : Orchestral—Orchestre Symphonique de Paris, "Farandole" (L'Arlesienne), (Bizet), 01328.
 Band—Band Garde Republicaine de France, "Carmen Entr'acte."
- 6.56 : Tacet.
- 7.0 : News Session.

7.40 : Talk—Mr. N. Woods, B.A., of Knox College, under the auspices of the W.E.A.

8.0 : Chimes.

Grand Opera presentation of "Cavalleria Rusticana" and "Pagliacci," arranged by and produced by Mr. Alfred Walmsley, assisted by Mrs. Eric Ewart, L.A.B., Miss Betty Hamilton, Mr. William Ruffell, Mr. William Bathgate and full chorus.

"Cavalleria Rusticana" (Rustic Chivalry) Opera in one Act (Mascagni).

Characters: Santuzza, a young peasant girl, Mrs. Eric Ewart, L.A.B.; Turiddu, a young peasant, Mr. Alfred Walmsley; Lucia, his mother, Miss Betty Hamilton; Alfio, a carrier, Mr. William Ruffell; Lola, his wife, Miss Betty Hamilton. Chorus of peasants and children.

Solo—Turiddu, "O Lola, Pretty One."

Chorus—Peasants and children, "Sweetly the Birds."

Scena—Santuzza and Lucia, "Tell Me, Mother Lucia."

Solo and chorus—Alfio and chorus, "Gaily Go My Horses Fleet."

Chorus—Company, "Easter Hymn."

Romance and Scena—Santuzza and Turiddu, "What Then Santuzza."

Solo—Lola, "O Gentle Flower of Gold."

Duet—Santuzza and Turiddu, "Go Thou, Seest."

Duet—Santuzza and Alfio, "O! 'Tis the Lord."

Violin—Mr. Le Gal, "Intermezzo."

Chorus—Peasants and children, "Now Homeward."

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Solo and Chorus—Turidda and Company, "Drinking Song" (See the Merry Wine).

Finale—The Company, "End of Opera."

9.0 : Weather report.

9.2 : Grand Opera presentation of "Il Pagliacci" (arranged and produced by Mr. Alfred Walmsley). "Il Pagliacci" Opera in two Acts (Leoncavallo).

Characters: Nedda (in the play "Columbine"), Mrs. Eric Ewart, L.A.B.; Canio (in the play "Punchinello"), Mr. A. Walmsley; Tonio (in the play "Taddio"), Mr. William Ruffell; Peffe (in the play "Harlequin"), Mr. Alfred Walmsley; Silvio, a villager, Mr. William Bathgate. Chorus of villagers and peasants.

Act I.

Solo—Tonio, "Prologue."

Chorus and solo—Canio, "Opening Chorus."

Solo—Nedda, "Bird Song."

Solo and duet—Nedda and Tonio, "Aria and Duet."

Solo and duet—Nedda and Silvio.

Aria—Canio, "On With the Motley."

Act II.

Scene and Serenade—Nedda and Tonio, "Peffe."

Solo, duet and chorus—Nedda, Canio and Chorus, "Finale."

10.5 : God Save the King.

Tuesday, May 6

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, MAY 6.

3.0 : Afternoon session—Selected studio items, including literary selection by the Announcer.

4.30 : Close down.

5.0 : Children's session, conducted by Uncle Dave.

6.0 : Dinner session—"H.M.V." Hour.

Orchestral—New Light Symphony Orchestra, "Merry Wives of Windsor" (Nicolai) (C1260).

Waltz—Marek Weber's Orchestra, "Moonlight on the Alster" (Fetras).

6.12 : Tacet.

6.15 : Intermezzo—New Light Symphony Orchestra, "Hearts and Flowers."

Waltz—Marek Weber's Orchestra, "Wine, Women and Song" (Weber).

Wurlitzer organ solo—Reginald Foort, "By the Blue Hawaiian Waters."

6.26 : Tacet.

6.30 : Orchestral—New Light Symphony Orchestra, "The Glow Worm Idyll."

Orchestral—Victor Salon Orchestra, "Indian Love Call" ("Rose Marie")

Orchestral—Victor Salon Orchestra, "The World is Waiting for the Sunrise" (Lockhart) (EA186).

Orchestral—De Groot and His Orchestra, "When Summer is Gone."

6.43 : Tacet.

6.45 : Orchestral—De Groot's Orchestra, "The Merry Widow" (Lehar).

Wurlitzer organ solos—Reginald Foort: (a) "Leave Me Alone"; (b)

"Songs My Mother Taught Me" (Dvorak) (C1459).

6.57 : Tacet.

7.0 : News and market reports.

7.15 : Talk—Mr. Geo. Campbell, "Motoring."

8.0 : Chimes.

Instrumental—The Studio Trio, "Selection from opera 'Tannhauser'" (Wagner-Alder).

8.9 : Contralto—Miss Nellie Lingard: (a) "Ye Powers that Dwell Below"

("Alceste") (Gluck); (b) "Give Back the Heart You Stole from Me" ("Mitrane") (Rossi).

8.16 : Cornet—Mr. Arthur W. E. Webb, "Tancredi" (Rossini).

8.20 : Vocal and piano—Misses Phyllis and Edna Tye: (a) "My Heart is Weary" (solo) (Thomas); (b) "Novelletten, Op. 21, No. 7" (piano) (Schumann).

8.33 : Instrumental—The Studio Trio, "Selection from the musical comedy 'Apple Blossoms'" (Kreisler).

8.43 : Talk—Mr. A. B. Chappell, M.A., "Topical Talk."

8.58 : Evening forecast and announcements.

9.0 : Contralto—Miss Nellie Lingard, "Cradle Me Low" (Bräbe).

9.4 : Cornet—Mr. Arthur W. E. Webb: (a) "The Heart Bow'd Down" (Balfe); (b) "Una Furtiva Lagrima" (Donizetti).

9.11 : Vocal and piano—Misses Phyllis and Edna Tye: (a) "Waltz Song from 'Tom Jones'" (German); (b) "Rush Hour in Hong Kong" (Piano) (Chasino); (c) "Fair Spring is Returning" (solo) ("Samson and Delilah") (Saint Saens).

9.20 : Instrumental—The Studio Trio, Selection from Opera Bouffe, "Daughter of the Regiment" (Donizetti).

9.28 : Gramophone Lecture Recital—Mr. A. Fairburn, Latest Recordings.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, MAY 6.

3 p.m.: Chimes. Selected studio items.

3.30 and 4.30 : Sports results.

4.55 : Close down.

5.0 : Children's Session. Pupils of Miss Vera Boesley.

6.0 : Dinner music session. H.M.V. Hour.

Orchestral—New Symphony Orchestra, "Minuet" (Boccherini).

Orchestral—Nat Shilkret and The Salon Group, "Stephen Foster Melodies" (My Old Kentucky Home), (Foster), EB42.

Band—H.M. Coldstream Guards, "Wee MacGregor's Patrol" (Amers), B2924.

Orchestral—Salon Orchestra, "Pagan Love Song" (Freed-Brown).

6.13 : Tacet.

6.15 : Orchestral—De Groot and His Orchestra, "Waldteufel Memories" (arrgd. Herman Finck), B3084.

Band—H.M. Coldstream Guards, "Policeman's Holiday" (Ewing).

Organ—Jesse Crawford, "I Get the Blues When It Rains" (Klauber-Stoddard), EA631.

6.29 : Tacet.

6.30 : Band—H.M. Coldstream Guards, "Belle of New York" (Kerker).

Cello—Beatrice Harrison, "Viennese Melody" (Kreisler), C1647.

Orchestral—Nat Shilkret and the Salon Orchestra, "Stephen Foster Melodies" (Old Black Joe), (Foster), EB42.

6.43 : Tacet.

6.45 : Orchestral—New Symphony Orchestra, "Nell Gwynn Dances No. 3" (German), B3036.

Organ—Jesse Crawford, "I'll Always be in Love With You" (Ruby-Green-Stept), EA631.

Band—H.M. Coldstream Guards, "Geisha Selection" (Jones), C1703.

Orchestral—Salon Orchestra, "Wedding of the Painted Doll" (Freed-Brown), EA633.

6.58 : Tacet.

7.0 : News session, market reports and sports results.

7.40 : Lecturette—Representative Agricultural Department, "For the Man on the Land."

8.0 : Chimes.

Lew James's International Radio Players present "A Night at a London Music Hall." A modern and up-to-date programme specially adapted for radio.

9.30 : Dance programme—"Brunswick."

9.30 : Fox-trot with vocal chorus—Hal Kemp's Orchestra, "You Wouldn't Fool Me, Would You?" (De Sylva), 4212.

Fox-trot with vocal chorus—Harold Stern's Orchestra, "From Sunrise to Sunset" (Miller), 4251.

Fox-trot with vocal chorus—Hal Kemp's Orchestra, "My Lucky Star"

Fox-trot with vocal chorus—Arnold Johnson's Orchestra, "Tear Drops."

9.42 : Comedienne with orchestra—Zelma O'Neal, "Button up Your Overcoat" (de Sylva), 4207.

Fox-trot with vocal chorus—Eight Radio Stars, "My Annapolis."

Fox-trot with vocal chorus—Colonial Club Orchestra, "Hittin' the Ceiling" (Gottler), 4340.

Waltz with vocal chorus—Eight Radio Stars, "I Found Happiness."

Waltz with vocal chorus—Ray Miller's Orchestra, "My Angeline."

9.57 : Old-time Orchestra—Al Hopkins's Buckle Busters, "Polka Medley."

Fox-trot with vocal chorus—Red Nicholls and Five Pennies, "On the Alamo" (Kahn), 4363.

Fox-trot with vocal chorus—Ray Miller's Orchestra, "Cradle of Love."

Fox-trot with vocal chorus—Hotel Ten Eyck Whispering Orchestra, "When We Canoe-die-oodle" (Woods), 4372.

Fox-trot with vocal chorus—Al Goodman's Orchestra, "I'm Still Caring" (Vallee), 4362.

10.12 : Vocal solo with novelty accompaniment—Frank Luther, "Peg Leg Jack" (Robison), 4371.

Fox-trot with vocal chorus—Hotel Ten Eyck Whispering Orchestra, "Jericho" (Robin), 4372.

Fox-trot with vocal chorus—Al Goodman's Orchestra, "I'm Just a Vagabond Lover" (Vallee), 4362.

Waltz with vocal chorus—Regent Club Orchestra, "Sleepy Valley."

10.24 : Old-time orchestra—Al Hopkins's Buckle Busters, "Marosovia Waltz."

Organ solo with vibraphone—Lew White, "Mean to Me" (Turk), 4361.

Fox-trot with vocal chorus—Colonial Club Orchestra, "Sing a Little Love Song" (Gottler), 4349.

Fox-trot with vocal chorus—Roy Ingraham's Orchestra, "That's Living" (Ryan), 4366.

Fox-trot with vocal chorus—Colonial Club Orchestra, "There's a Four Leaf Clover in My Pocket" (Colwell), 4247.

10.30 : Vocal solo with novelty accompaniment—Frank Luther, "Barnacle Bill, the Sailor" (Robison), 4371.

Fox-trot with vocal chorus—Six Jumping Jacks, "Oh, Baby, What a Night" (Brown), 4351.

Waltz with vocal chorus—Regent Club Orchestra, "My Dear" (Kahn).

Waltz with vocal chorus—Castlewood Marimba Band, "Wonderful You" (Medkill), 4379.

10.51 : Organ solo—Lew White, "Deep Night" (Henderson), 4361.

Fox-trot with vocal chorus—Colonial Club Orchestra, "Oh, What a Night to Love" (Herbert), 4247.

Waltz with vocal chorus—Regent Club Orchestra, "Evangeline" (Rose).

11.0 : God Save the King.

3YA, CHRISTCHURCH 930 KILOCYCLES), TUESDAY, MAY 6.

SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES), TUESDAY, MAY 6.

3 p.m.: Chimes. Selected gramophone items.

4.25 : Sporting results.

4.30 : Close down.

5.0 : Children's hour, conducted by Uncle Pete.

- 6.0 : Dinner music, "H.M.V." hour.
Overture—H.M. Coldstream Guards Band, "Poet and Peasant."
Orchestra—Symphony Orchestra, "Love, the Magician" (De Falla).
- 6.12 : Tacet.
- 6.15 : March—National Military Band, "Liberty Bell" (Sousa), Zono. 5366.
Waltz—International Novelty Quartet, "Cuckoo" (Jonasson), Zono.
Waltz—Jack Hylton's Orchestra, "Spanish Rose" (Pearson), B 5481.
Xylophone—Sam Herman, "Al Fresco," Zono., EE53.
- 6.27 : Tacet.
- 6.30 : Orchestra—New Light Symphony Orchestra, "In a Clock Store."
March—Royal Opera Orchestra, "Marche Hongroise" (Berlioz).
Orchestra—Symphony Orchestra, "Spanish Dance" (De Falla), D1453.
- 6.42 : Tacet.
- 6.45 : Schotische—International Novelty Quartet, "Lena" (Mewes), Zono.
Pipe organ, piano, trombone and harp—Shilkret's Rhythm Melodists,
"When You're With Somebody Else" (Gilbert), EA336.
Waltz—Jack Hylton's Orchestra, "The Angelus was Ringing."
March—National Military Band, "El Capitan" (Sousa), Zono., 5366.
- 6.57 : Tacet.
- 7.0 : News session.
- 8.0 : Chimes. Programme of music to be rendered by band of Otago Regiment, under direction of Mr. Lew O. Asten.
March—Band, "The Advance Guard" (Hume).
Overture—Band, "Marsanella" (Auber).
- 8.14 : Baritone—Mr. Jack Clark, (a) "King Charles" (White); (b) "To Athia" (Hatton).
- 8.20 : Organ—Lew White, "Sweethearts on Parade" (Newman), Bruns. 4263.
- 8.24 : Recital—Mr. D. E. Dall, (a) "Chant Pagan" (Kipling); (b) "Song."
- 8.29 : Divertissement—Band, "Espagnole" (Desormes).
- 8.35 : Soprano—Miss Mari Tucker, "Sink, Red Sun" (Del Riego).
- 8.38 : Piano—Mrs. C. Drake, "Melodie" (Rachmaninoff).
- 8.44 : Humour—Mr. James A. Paterson, (a) "There's the Wee White Heather Growling" (Collins); (b) "I'm Tight, too" (Fyffe).
- 8.50 : Fantasia—The Band, "In a Chinese Temple Garden" (Ketelbey).
- 9.0 : Weather report.
- 9.2 : Chorus, with orchestra—Al Goodman and his Orchestra, "Hold Everything Medley" (De Sylva, Brown and Henderson), Bruns. 20090.
- 9.6 : Baritone—Mr. Jack Clark, "The Leader of the Town Brass Band."
- 9.10 : Organ and trumpet—Lew White, "My Tonia" (Brown), Bruns. 4263.
- 9.14 : Recital—Mr. D. E. Dall, "The Death of Sydney Carton" from "Tale of Two Cities" (Dickens).
- 9.20 : Suite—Band, "Suite by Tharban" (in three movements) (Tharban).
- 9.33 : Soprano—Miss Mari Tucker, (a) "Little Brown Bird" (Del Riego).
(b) "The Star" (Rogers).
- 9.40 : Marimba Band—Castlewood Marimba Band, (a) "In a Little Love Canoe" (Ford); (b) "When you Come to the End of the Day."
- 9.46 : Humour—Mr. James A. Paterson, "Very Glad I'm Marrit to the Wife" (Fyffe).
- 9.51 : Selection—The Band, "Classical Memories" (Ewing).
- 10.0 : God Save the King.

Wednesday, May 7

IYA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, MAY 7.

- 3.0 : Afternoon session—Selected studio items, including Literary selection by the Announcer.
- 4.30 : Close down.
- 5.0 : Children's session, conducted by Uncle Tom.
- 6.0 : Dinner session—"H.M.V." Hour.
Instrumental—Reg. King's Orchestra, "Garden in the Rain" (Gibbons).
Instrumental—Reg. King's Orchestra, "The Song I Love" (de Sylva).
Waltz—International Concert Orchestra, "Gold and Silver" (Lehar).
Instrumental—Victor Olof Sextet, "Cherry Ripe" (Scott) (B2697).
- 6.12 : Tacet.
- 6.15 : Waltz—International Concert Orchestra, "The Spanish Dancer."
Orchestra—Victor Concert Orchestra, "Romance" (Tschalkowsky).
Violin—Isolde Menges, "Salut D'Amour" (Elgar) (D1313).
- 6.26 : Tacet.
- 6.30 : Instrumental—Piccadilly Orchestra, "Friend o' Mine" (Sanderson).
Instrumental—Piccadilly Orchestra, "None but the Weary Heart."
Orchestra and grand organ—International Concert Orchestra, "My Treasure" (Becuoci) (Zono. EF15).
Instrumental—Victor Olof Sextet, "Minuet" (Boccherini).
- 6.42 : Tacet.
- 6.45 : Instrumental—Jack Hylton's Orchestra, "Melodious Memories."
Waltz—International Novelty Orchestra, "Emperor" (Strauss).
- 6.57 : Tacet.
- 7.0 : News and market reports.
- 7.40 : Talk—Mr. Norman Kerr, "Physical Culture."
- 8.0 : Chimes.
Variety Entertainment arranged by Anglican City Mission, entitled "Something Different."
- 10.0 : God Save the King.

2YA, WELLINGTON (720 KILOCYCLES), WEDNESDAY, MAY 7.

- 5 p.m.: Chimes. Results of Parnell by-election, interspersed with studio items.
God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES), WEDNESDAY, MAY 7.

- 3 p.m.: Afternoon session, gramophone recital.
- 4.25 : Sports results.
- 4.30 : Close down.
- 5.0 : Children's hour, "Uncle John."
- 6.0 : Dinner session, "H.M.V." hour.
Orchestra—New Symphony Orchestra, "Le Cid Ballet Music," (a) Castillane, (b) Aubade, (c) Andalouse, (d) Aragonaise.
Violin—Heifetz, (a) Jota (De Falla), (b) Puck (Grieg, arr. Achron).
Orchestra—Marek Weber and his Orchestra, "Mennett No. 1."
- 6.14 : Tacet.
- 6.15 : Band—Band of H.M. Coldstream Guards, "Iolanthe" (Sullivan).
Orchestra—The London Orchestra, "Valse Memories, Parts 1 and 2."
Organ—R. E. McPherson, "Ninette" (Maud), B3118.
- 6.28 : Tacet.
- 6.30 : Orchestra—New Symphony Orchestra, "Le Cid Ballet Music"; (a) Madrilene; (b) "Navarraise" (Massenet), C1639.
Violin—Heifetz—"On Wings of Song" (Mendelssohn), DB1216.
Band—Band of H.M. Coldstream Guards, "Pirates of Penzance."
- 6.43 : Tacet.
- 6.45 : Orchestra—Marek Weber and Orchestra, "I Pagliacci" (Leoncavallo).
Organ—R. E. McPherson, "A Japanese Sunset" (Deppen), B3118.
Orchestra—Marek Weber and Orchestra, "Coeur Brise" (Gillet).
- 6.59 : Tacet.
- 7.0 : News session.
- 7.30 : Addington Stock Market reports.
- 8.0 : Chimes. Grand operatic and miscellaneous programme.
- 8.1 : Overture—Philadelphia Symphony Orchestra, "Casse Norsette Suite. Miniature, Overture and March" (Tschalkowsky), H.M.V. D1214.
- 8.5 : Duet soprano and mezzo-contralto, Madame Gower Burns and Miss Mavis Spiller, "Sainted Mother" ("Maritana"), (Wallace).
- 8.9 : 'Cello—Pablo Casals, "Spanish Dance" (Popper), H.M.V. DA1015.
- 8.12 : Bass—Mr. Jas. Filer, "She Alone Charmeth my Sadness" (Gounod); from "Irene."
- 8.15 : Instrumental—Studio Instrumental Octet, Mr. Harold Beck (conductor), "Music Pictures" (Foulds).
- 8.27 : Aria mezzo-contralto—Miss Mavis Spiller, "The Last Rose of Summer" from "Martha" (Flotow).
- 8.31 : Piano—Miss Alice Forrester, (a) "Romanze" (Macdowell); (b) "Tarantelle" (Macdowell).
- 8.36 : Tenor—Mr. Ernest Rogers, "Questa o Quello" from opera "Rigoletto."
- 8.40 : Monologue—Charles Sale, "The Substitute Parson" (Sale) (Zono.).
- 8.46 : Instrumental—Studio Instrumental Octet, "Dance Triste" (Hahn).
- 8.49 : Soprano with harp obbligato—Soprano, Madame Gower Burns and harp; Mr. Harry Glaysher, "O Liberty" from "Jongleur de Notre Dame" (Massenet).
Duet, tenor and bass—Grand Opera Male Duo, "Melodrama" (Aylan).
- 9.0 : Weather report and announcements.
- 9.2 : Trios—Fritz Kreisler, Hugo Kreisler and Michael Rauchelsen, (a) "Syncopation" (Kreisler), (b) "Marche Miniature Viennois."
- 9.8 : Mezzo-contralto—Miss Mavis Spiller, "The Amber" (Aylan); "The Amethyst" (Aylan).
Bass—Mr. Jas. Filer, "The Bugler" (Pinsuti).
- 9.15 : Instrumental—Studio Instrumental Octet, (a) "Rienzi" (Wagner); (b) "Entr'acte" (Dubois).
- 9.23 : Soprano, with harp obbligato—Soprano, Madame Gower Burns, harp; Mr. Harry Glaysher, "Mary, Mother of Love" from Jongleur de Notre Dame" (Massenet), (first performance at 3YA).
- 9.27 : Piano—Mrs. Alice Forrester, "Raindrop Prelude" (Chopin).
- 9.31 : Quartet—Grand Opera Quartet, "How Sweet the Moonlight Sleeps."
- 9.34 : Selection—National Military Band, "Ballet Egyptien" (Luigini).
- 9.42 : Male choir—Lay Vicars, of Westminster Abbey, "The Little Sandman" (West), H.M.V. B2781.
- 9.45 : Instrumental—Miss Irene Morris and Mrs. A. H. Bills, "Suite for two Violins" (Moskowski).
- 9.53 : Tenor—Mr. Ernest Rogers, "Eileen Mavourneen" (Benedict).
- 9.57 : Quartet—Grand Opera Quartet, "The Snow" (Elgar), (first performance at 3YA).
- 9.59 : Instrumental—Studio Instrumental Octet, "Gipsy Airs" (Sarassate), "Traumerei" (Schumann), "Il Bacio" (Arditi).
God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, MAY 7.

- 3.0 : Chimes. Selected gramophone items.
- 3.15 : Talk—Home Science Extension Department of Otago University, under the auspices of 4YA Primary Productions Committee, "Wool-len Clothing."
- 4.25 : Sporting results.
- 4.30 : Close down.
- 5.0 : Children's hour, conducted by Big Brother Bill.
- 6.0 : Dinner music—"Brunswick" Hour.
Orchestra—Brunswick Concert Orchestra, "Dance of the Hours."
Orchestra—A. and P. Gypsies, "Herbertiana" (Stone) (4287).
Violin—Frederick Fradkin, "Le Cygne" (Saint Saens) (4528).
Orchestra—Brunswick Concert Orchestra, "Badinage" (Herbert).
Orchestra—A. and P. Gypsies, "The Far-Away Bells" (Farber Gordon).
- 6.14 : Tacet.
- 6.15 : Orchestra—Brunswick Concert Orchestra, "Wine, Women and Song."
Orchestra—Anglo-Persians, "Cossack Love Song" (Katzman) (4483).
Violin—Frederick Fradkin, "Nola" (Arndt) (4318).
Orchestra—Ray Miller and His Orchestra, "Iowa Corn Song"

- 6.28: Tacet.
 6.30: Orchestral—A. and P. Gypsies, (a) "White Acacia," (b) "Petite Causerie" (Stone) (4287).
 Orchestral—Brunswick Concert Orchestra, "Thousand and One Nights"
 Orchestral—A. and P. Gypsies, "Simple Confession" (Thome) (4442).
 Orchestral—Ray Miller and His Orchestra, "Go You Northwestern"
 6.43: Tacet.
 6.45: Orchestral—Brunswick Concert Orchestra, "La Danseuse" (Von Blon).
 Violin—Frederick Fradkin, "A Kiss in the Dark" (de Sylva) (4318).
 Orchestral—Brunswick Concert Orchestra, "Hungarian Lutspliel"
 Orchestral—Anglo-Persians, "Ragamuffin" (Greer) (4483).
 6.57: Tacet.
 7.0: News session.
 7.15: Talk—L. W. McCaskill, "Review of Journal of Agriculture."
 8.0: Chimes.
 Foxtrot—Novelty Syncopators, (a) "Never Seen a Smile Like Yours" (Frazer), (b) "You're the Cream in My Coffee" (de Sylva).
 8.9: Baritone—Mr. G. M. Salmond, (a) "Sea Fever" (Ireland), (b) "Kashmir Song" (Woodforde-Rinden).
 8.15: Saxophone—Mr. J. McCaw, "Valse Vanite" (Weodoff).
 8.20: Recital—Miss M. E. Juriss, "The Eve of Waterloo" (Byron).
 8.26: Foxtrot valse—Novelty Syncopators, "Sun is at My Window" (Meyer), "Pagan Love Song" (Brown).

- 8.34: Soprano—Miss Tui Blackman, (a) "Just a Little Lady" (Crocker), (b) "Love Came from Fairyland" (Lincks).
 8.40: Piano—Mr. Moore Wilson, "Greenwich Witch" (Confrey).
 8.44: Light vocal—Mr. Norman D. Scurr, "Latest Hits."
 8.51: Foxtrots—Novelty Syncopators, (a) "My Sweeter than Sweet (Marion), (b) "Piccolo Pete" (Baxter).
 8.59: Weather report.
 9.1: Baritone—Mr. G. M. Salmond, "Myself When Young" (Lehmann).
 9.4: Valse—Novelty Syncopators, "My Song of the Nile" (Meyer).
 9.8: Recital—Miss M. E. Juriss, "Foolish Questions."
 9.13: Soprano—Miss Tui Blackman, "The Man I Love" (Gershwin).
 9.16: Foxtrots—Novelty Syncopators, (a) "I Want to Meander in the Meadows" (Woods), (b) "If I Had You" (Shapiro).
 9.22: Light vocal—Mr. Norman D. Scurr, "Latest Hits."
 9.25: Novelty Syncopators, "Am I Blue?" (Clarke).
 9.30: Dance session—"Columbia."
 Foxtrot—The Harmonians, with vocal chorus, "I'm in Seventh Heaven."
 The Knickerbockers with vocal refrain, "Song of Siberia" (Lewis).
 The Harmonians, with vocal chorus, "Used to You."
 Ernie Golden and His Orchestra, with vocal chorus, "Satisfied."
 9.42: Vocal—Eddie Walters, with piano and guitar accompaniment, "Goodness Gracious Grace" (Abbott, Casem and Wimbrow) (01680).
 Foxtrot—Stellar Dance Band, "Dancing Goblin Novelty Foxtrot"
 Harry Reser's Syncopators, with vocal chorus by Tom Stacks, "The Flipperty Flop" (Coslow, Robin and Whiting) (01681).
 Stellar Dance Band, "Giggling Golliwog" (Tisley and Evans).
 Waltz—Ben Selvin and His Orchestra, "I've Waited a Lifetime for You" (Edwards and Goodwin) (01741).
 9.57: Duet—Ford and Glenn with novelty accompaniment, "Where the Sweet Forget-Me-Nots Remember" (Dixon Warren) (G20578).
 Foxtrot—Guy Lombardo and His Royal Canadians with vocal trio, "Then We Canoe-dle-oodle Along" (Woods, Tobin and Bohr).
 Ben Selvin and His Orchestra, with vocal chorus, "Junior" (Donaldson)
 The Midnight Revellers, with vocal refrain, "True Blue Lou."
 Ipana Troubadours, with vocal refrain, "There was Nothing Else to Do"
 Ipana Troubadours, with vocal refrain, "Just a Glimpse of Paradise"
 10.15: Duet—Pearce Brothers (Al and Cal), "If I Give Up the Saxophone"
 Foxtrot—Selvin and His Orchestra, "Am I Blue?" (Akst and Clarke).
 Foxtrot—The Midnight Revellers, "If I Had My Way."
 10.27: Foxtrot—Ted Florito and His Edgewater Beach Hotel Orchestra, "Candle Light Lane" (Lewis and Florito) (01755).
 Waltz—Fera's Hawaiian Trio, with vocal chorus, "Pagan Love Song"
 Foxtrot—Guy Lombardo and His Royal Canadians, "You Want Lovin'"
 10.30: Vocal—Marie Burke, "The Song I Love."
 Foxtrot—Guy Lombardo and His Royal Canadians, "Here We Are"
 Ted Florito and His Edgewater Beach Hotel Orchestra, "You've Never Been Blue" (Lewis, Young and Florito) (01755).
 Ted Lewis and His Band, with vocal refrain, "My Love Song."
 10.45: Duet—The Two Gilberts, comedians, with orchestra, "Smith's Crisp Crisps" (Weston, Lee and Weston) (G20578).
 Foxtrot—Ray Starita and His Ambassadors Band, "Iz Izzy Azzy Wooz"
 Harry Reser's Syncopators, with vocal refrain, "Piccolo Pete" (Baxter)
 Waltz—Frank Fera's Hawaiian Trio, with vocal chorus, "Ua Like a No a Like" (Everett) (G20560).
 11.0: God Save the King.



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Thursday, May 8

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, MAY 8.

- 3.0: Afternoon Session—Selected Studio Items, including Literary selection by the Announcer.
 3.15: Home Science Talk, prepared by Home Science Department, Otago University—"Looking Beneath the Surface."
 4.30: Close down.
 5.0: Children's Session, conducted by Peter Pan.
 6.0: Dinner Session—"Columbia" Hour.
 Instrumental—Ketelbey's Concert Orchestra, "In a Persian Market" (Ketelbey) (02689).
 Violin—Efrem Zimbalist, "Liebeslied—Old Vienna Waltz" (Kreisler).
 6.12: Tacet.
 6.15: Morceau—Plaza Theatre Orchestra, "The Busy Bee" (Bendix).
 Dance—Plaza Theatre Orchestra, "My Lady Dainty" (Hesse).
 Octet—J. H. Squire's Celeste Octet, "La Serenata" (Braga) (9116).
 Kinema organ—G. T. Pattman, "Firefly" (Nicholls) (01348).
 6.27: Tacet.
 6.30: Orchestral—Paul Whiteman and His Orchestra, "Song of India" (Rimsky-Korsakov) (07510).
 Waltz—New Concert Orchestra, "Hydropaten" (Gungl) (02672).
 Violin—Efrem Zimbalist, "Zapateado" (Sarasate) (04221).
 6.42: Tacet.
 6.45: Waltz—New Concert Orchestra, "Jolly Fellows" (Bruder) (02672).
 Octet—J. H. Squire's Celeste Octet, "Serenade" (trdtl.) (9116).
 Orchestral—Paul Whiteman and His Orchestra, "Liebestraum" (Liszt, arrgd. Barge) (07510).
 6.56: Tacet.
 7.0: Book Review—Mr. H. H. Driver.
 8.0: Chimes.
 Overture—1YA Orchestral Octet, under direction Mr. Eric Waters, "Southern Stars" (Ascher-Mahl).

- 8.10: Soprano—Miss Marjorie Fair, (a) "It's Only a Tiny Garden" (Hayden-Wood); (b) "Melisande in the Wood" (Goetz).
- 8.17: Banjo, Guitar and Vocal—The Aloha Duo, (a) "Stars and Stripes" (Souza); (b) "Painting the Clouds" (Dubin, Burke).
- 8.26: Humour—Mr. T. T. Garland, "Some Humour."
- 8.30: Intermezzo—1YA Orchestral Octet, (a) "Little Miss Butterfly" (Gissans); (b) "Mecca" (Oriental Dance) (Howgill).
- 8.38: Piano—Miss Cherry Anderson, "Lovable and Sweet" (Levant).
- 8.44: Soprano—Miss Marjorie Fair, "My Dearest Heart" (Sullivan).
- 8.51: Selection—1YA Orchestral Octet—"Selection from the Opera 'Werther'" (Massenet).
- 9.1: Evening Forecast and Announcements.
- 9.3: Banjo, Guitar and Vocal—The Aloha Duo, (a) "Medley of Southern Airs" (arrgd. W. Smith); (b) "Land of Make Believe" (Gilbert and Barr).
- 9.12: Humour—Mr. T. T. Garland, "A Fireside Chat" (original).
- 9.19: Instrumental—1YA Orchestral Octet, "Squirrel Dance" (Smith).
- 9.24: Piano—Miss Cherry Anderson, Latest Hits.
- 9.30: Medley—1YA Orchestral Octet—"Savoy Scotch Medley" (arrgd. Somers).
- 9.35: Programme of Dance Music—"Brunswick."
- Foxtrot—Colonial Club Orchestra, "Florella" (Bryan) (4312).
- Foxtrot—Swanee Syncopators, "The One That I Love, Loves Me" (Turk) (4329).
- Waltz, with whistling—Eight Radio Stars, "Always in My Heart" (Drew) (4312).
- 9.42: Vocal duet—Lester McFarland and Robert Gardner, "Birmingham Jail" (Trdtl.) (293).
- Foxtrot tango—The Floridians, "La Rosita" (Dupont) (4673).
- Foxtrot—Eight Radio Stars, "Under the Stars of Havana" (Coleman).
- Foxtrot—Swanee Syncopators, "Honest" (Tucker) (4329).
- Foxtrot—Eight Radio Stars, "A Happy Ending" (Brown) (4311).
- 9.57: Vocal novelty—Al Bernard, "The Preacher and the Bear" (Arzonla).
- Foxtrot—The Captivators, "Building a Nest for Mary" (Rose).
- Foxtrot—Los Angeles Biltmore Hotel Orchestra, "I'm Walking Around in a Dream" (Lewis) (4337).
- Waltz—Copley Plaza Orchestra, "Pagan Love Song" (Freed).
- 10.9: Orchestra and chorus—Blue Ridge Ramblers, (a) "Who Broke the Lock on the Hen-house Door?" (Smith); (b) "She'll be Comin' 'Round the Mountain when She Comes" (Trdtl.) (310).
- Foxtrot—Los Angeles Biltmore Hotel Orchestra, "Until You Get Somebody Else" (Kahn) (4337).
- Foxtrot—Arnold Johnson and His Orchestra, "Breakaway" (Gottler).
- 10.21: Vocal duet—Lester McFarland and Robt. Gardner, "Go and Leave Me if You Want To" (Trdtl.) (293).
- Foxtrot—Arnold Johnson's Orchestra, "Big City Blues" (Gottler).
- Foxtrot—The Clevelanders, "What a Girl, What a Night" (Sanders).
- Waltz—Regent Club Orchestra, "Just an Old Love Affair" (Kahn).
- 10.33: Male quartet—Ritz Quartet, "Come West Little Girl, Come West."
- Foxtrot—Ben Bernie and His Hotel Roosevelt Orchestra, "Baby—Oh Where can You Be?" (Koehler) (4438).
- Foxtrot—Ray Miller's Orchestra, "That's a Plenty" (4224).
- Foxtrot—Ben Bernie and His Hotel Roosevelt Orchestra, "Out Where the Moonbeams are Born" (Davis) (4438).
- 10.48: Male quartet—Ritz Quartet, "I'm Bringing a Red, Red Rose" (Kahn).
- Foxtrot—Slatz Randall and His Orchestra, "Got a Great Big Date."
- Foxtrot—Ray Miller's Orchestra, "Angry" (Brunies) (4224).
- Foxtrot—Rhythm Aces, "Ace of Rhythms" (Smith) (7071).
- 11.0: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES), THURSDAY, MAY 8.

- 3.0: Chimes.
- 3.1: Selected studio items.
- 3.15: Talk arranged by Home Science Extension Department of Otago University.
- 3.30 and 4.30: Sports results.
- 4.55: Close down.
- 5.0: Children's session, conducted by Uncle George, assisted by the Optimists' Club.
- 6.0: Dinner music session, Columbia hour.
- Selection—H.M. Grenadier Guards, "Merrie England" (German).
- Instrumental—Bournemouth Municipal Orchestra, "Idylle Brefonne."
- 6.12: Tacet.
- 6.15: Waltz—Jacque Jacobs's Ensemble, "L'Estudiantina" (Waldtenfel).
- Instrumental—Plaza Theatre Orchestra, (a) "A La Gavotte" (Finck).
- (b) "Minuet" (Finck), 01439.
- March—H.M. Grenadier Guards Band, "Old Panama" (Alford).
- 6.27: Tacet.
- 6.30: Instrumental—Ketelbey's Concert Orchestra, "The Sacred Hour."
- Instrumental—Sandler's Orchestra, "Somebody, Somewhere" (Rapee).
- Instrumental—Bournemouth Municipal Orchestra, "Fluttering Birds."
- 6.43: Tacet.
- 6.45: Quartet—Musical Art Quartet, (a) "Mighty lak a Rose" (Nevin);
- (b) "To a Wild Rose" (McDowell), 01506.
- Instrumental—Sandler's Orchestra, "Sonny Boy" (De Sylva), 0521.
- March—H.M. Grenadier Guards, "Dunedin" (Alford), 01535.
- 6.57: Tacet.
- 7.0: News session, market reports, and sports results.
- 7.40: Lecturette—Miss Inez Connop, "Ballroom Dancing."
- 8.0: Chimes.

- 8.1: Master C. Lough and Temple Church Choir, "Hear My Prayer."
- Tenor—Tudor Davies, "On Wings of Song" (Mendelssohn), H.M.V.
- Bass—Robert Radford, "I am a Roamer" (Mendelssohn), H.M.V.
- 8.15: Relay from the Town Hall of the Wellington Symphony Orchestra's first concert of the 1930 season. The Orchestra performs under the conductorship of Mr. Leon de Mauny.
- Overture—The Orchestra, "Fingal's Cave" (Mendelssohn).
- Violin Concerto with Orchestra—Mr. Leon de Mauny, "Concerto in E. Minor" (Mendelssohn).
- Symphony—The Orchestra, "Symphony in A" ("The Italian").
- From the Studio:
- Weather report and announcements.
- Record—Soprano—Elsie Suddaby, (a) "Ave Maria" (Bach—Gounod),
- (b) "Though Reviling Tongues Assail Us" (Bach), H.M.V. C1733.
- From the Town Hall:
- Ballet—The Orchestra, "Ballet Egyptian" (Luigini).
- Tone poem—The Orchestra, "Finlandia" (Sibelius).
- Suite—The Orchestra, "Hiawatha Suite," (1) "The Wooing," (2) "The Marriage Feast," (3) "The Bird Scene and Conjuror's Dance," (4) "The Departure," (5) "Reunion" (Coleridge-Taylor).
- March—The Orchestra, "Hungarian March" (Berlioz).
- God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, MAY 8.

- 3 p.m.: Afternoon Session Gramophone Recital.
- 3.15: "Home Science" talk, "Looking Beneath the Surface," prepared by the Home Science Department, Otago University.
- 3.30: Gramophone Recital.
- 4.30: Close down.
- 5.0: Children's Session, "Ladybird and Uncle Frank."
- 6.0: Dinner Session, "Columbia" Hour.
- Orchestral—Mengelberg's Concertgebouw Orchestra, "Oberon Overture," Pt. 1 and 2 (Weber), 04347.
- Octet—Squire Chamber Orchestra, "L'Arlesienne Suite Intermezzo,"
- 6.13: Tacet.
- 6.15: Orchestral—Menorah Symphony Orchestra, "Shulamith Selection."
- Band—B.B.C. Wireless Military Band, "Indian Queen" (arrgd. C. Sharp), 02981.
- Octet—Squire Chamber Orchestra, "L'Arlesienne Suite Minuet."
- 6.29: Tacet.
- 6.30: Orchestral—New Queen's Hall Orchestra, "Slavonic Dance in G Minor" (Dvorak), 04348.
- Band—B.B.C. Wireless Band, "Helston Furry Processional" (arr. C. Sharp), 02981.
- Orchestral—Classical Symphony Orchestra, "Classical Memories" (arr. M. Ewing), G30024.
- 6.44: Tacet.
- 6.45: Octet—Squire Celeste Octet, "Ave Maria" (Bach), 02569.
- Orchestral—B.B.C. Wireless Symphony Orchestra, "Il Trovatore."
- Orchestral—Squire Celeste Octet, "On Wings of Song" (Mendelssohn).
- 6.58: Tacet.
- 7.0: News session.
- 8.0: Relay from the Radiant Hall, Kilmore Street, of first programme of new season of the Christchurch Male Voice Choir, assisted by the Cathedral Choristers. Conductor, Dr. J. C. Bradshaw. Soloists: Messrs. S. C. Andrews (tenor), F. C. Penfold (baritone), and L. E. Hamilton (baritone). Assisting artists: Miss Anita Graham (mezzo-contralto); string quartet, consisting of Mrs. Francis Bate and Mr. Arthur Gordon (violins), Professor Oddone Savini (viola), Mr. Francis Bate (cello).
- God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, MAY 8.

SILENT DAY.

Friday, May 9

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, MAY 9.

- 3.0: Afternoon session—Selected studio items, including literary selection by the Announcer.
- 4.30: Close down.
- 5.0: Children's session conducted by Nod and Aunt Jean.
- 6.0: Dinner session—"Columbia" Hour:
- Selection—B.B.C. Wireless Symphony Orchestra, "La Boutique Fantasque" (Respighi, arr. Carr) (Regal G30018).
- Cello—W. H. Squire, "Humoresque" (Dunkler-Squire) (04192).
- 6.12: Tacet.
- 6.15: J. H. Squire's Celeste Octet, "Chant Sans Paroles" (Tschalkowsky).
- Suite—Plaza Theatre Orchestra, "Gipsy Suite": (1) Valse, Lonely Life, (2) Allegro, The Dance (German) 02537.
- 6.27: Tacet.
- 6.30: Suite—Plaza Theatre Orchestra, "Gipsy Suite": (1) Menuetto, Love Duet, (2) Tarantella, The Revel (German) 02538.
- Madrid Symphony Orchestra, "Dance of the Neighbours" (de Falla).
- 6.42: Tacet.
- 6.45: Venetian Players String Quintet, (a) "Romanza" (Mozart), (b) "Allegro" (Mozart) (Regal G20467).

- Pianoforte—Ignaz Friedman, "Romance in E Flat" (Rubinstein).
 Basle Symphony Orchestra, "Rosamunde, Entr'acte No. 2" (Schubert).
 6.57: Tacet.
 7.0: News and market reports.
 7.40: Talk—Mr. W. E. G. Wheeler, "Esperanto."
 8.0: Chimes. Relay of the latest instrumental and vocal music from Lewis Eady Hall.
 8.30 (approx.): Studio Concert. Special "Brahms" Programme, commemorating the birthday of Brahms, May 7.
 Violin and cello—Jacques Thibaud and Pablo Casals, "Double Concerto in A Minor—Third Movement" (Brahms) (H.M.V. DB1814).
 8.38: Lecture recital—Mrs. Daisy Basham, "The Life and Works of Brahms."
 8.48: Baritone—Mr. John Bree, (a) "How Fair Art Thou" (Brahms), (b) "Love Song" (Brahms).
 8.55: Instrumental—The Studio Trio, "First Movement and Scherzo from Trio, Op. 87, C Major" (Brahms).
 9.5: Evening forecast and announcements.
 9.7: Soprano—Madame Mary Towsey, (a) "The May Night" (Brahms), (b) "The Smith" (Brahms).
 9.14: Lecture recital—Mrs. Daisy Basham, "The Life and Works of Brahms."
 9.24: Instrumental—The Studio Trio, "First Movement from Sonata for Piano and Violin, in D Minor" (Brahms).
 9.34: Baritone—Mr. John Bree, (a) "The Message" (Brahms), (b) "Sweet Melodies" (Brahms).
 9.41: Violin—Jacques Thibaud, "Valse in A Flat" (Brahms) (H.M.V.).
 9.45: Soprano—Madame Mary Towsey, (a) "Summer Fields" (Brahms), (b) "True Love" (Brahms).
 9.52: Instrumental—The Studio Trio, "Four Hungarian Dances" (Brahms).
 10.4: God Save the King.

2YA, WELLINGTON (730 KILOCYCLES)—FRIDAY, MAY 9.

- 3 p.m.: Chimes.
 3.1: Selected studio items.
 3.30 and 4.30: Sporting results.
 4.55: Close down.
 5.0: Children's session, conducted by Big Brother Jack.
 6.0: Dinner Music Session—"Columbia" Hour.
 Intermezzo—Milan Symphony Orchestra, "Cavalleria Rusticana."
 Selection—Herman Finck's Orchestra, "Schubertiana" (arr. Finck).
 6.12: Tacet.
 6.15: Selection—Herman Finck's Orchestra, "Schubertiana" (arr. Finck).
 Marimba Orchestra—Rio Marimba Orchestra, "Three O'Clock in the Morning" (Robledo), 02685.
 6.27: Tacet.
 6.30: Orchestral—Beyreuth Festival Orchestra, "Siegfried—Prelude," Act 3 (Wagner), L2015.
 Waltz—Eddie Thomas's Collegians, "Moments With You" (Shilkret).
 Waltz—Eddie Thomas's Collegians, "Moonlight on the Danube" (Gay).
 Wurlitzer Organ—Stanley MacDonald, "La Rosita" (Dupont), Regal.
 6.43: Tacet.
 6.45: Selection—Regal Orchestra, "Pagliacci" (Leoncavallo), Regal G80007.
 Marimba Orchestra—Rio Marimba Orchestra, "My Isle of Golden Dreams" (Blaufuss), 02685.
 7.0: News Session, Market Reports and Sports Results.
 7.40: Lecturette—Mr. Norman R. Jacobsen, "Simple Explanations of Scientific Phenomena."
 8.0: Chimes.
 The Lew James International Radio Players present the Farce Comedy in Three Acts, "Give and Take," by Aaron Hoffman (French).
 Overture—2YA Orchestra (conductor, Signor A. P. Truda), "La Toupee de Nuremberg" (Adam).
 Act I.
 Office of John Bauer, President of the Bauer Canning Company.
 Entr'acte—2YA Orchestra, (a) "Fairly Tiptoe" (Frederick); (b) "Pansies" (from "Floral Suite"), (Bendix).
 Act II.
 Same Scene—Next morning.
 Entr'acte—2YA Orchestra, (a) "Etoile d'Amour" (Celler); (b) "The Clown's Serenade" (Zeleuto).
 Act III.
 Same Scene—A few months later.
 2YA Orchestra—"Un Peu d'Amour" (Sile'su).
 God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, MAY 9.

- 8 p.m.: Afternoon Session Gramophone Recital.
 4.25: Sports results.
 4.30: Close down.
 5.0: Children's Hour, "Chuckie."
 6.0: Dinner Session, "H.M.V." Hour.
 Orchestral—Boston Symphony Orchestra, "Frühlingsstimmen."
 Band—National Military Band, "Ben Hur" (Byng), A365.
 Organ—Jesse Crawford, "Serenade" (Romberg), EA638.
 6.13: Tacet.
 6.15: Orchestral—Vienna Philharmonic, "Dorfschwalben" (Strauss), C1685.
 Violin—David Wise, "Canzonetta" (D'Ambrosio), Zono. 5420.
 Orchestral—Jack Hylton and His Orchestra, "Steppin' Out."
 6.29: Tacet.

- 6.30: Orchestral—New Mayfair Orchestra, "Wake Up and Dream" (Porter).
 Organ—Jesse Crawford, "Indian Love Call" (Friml), EA638.
 Orchestral—International Novelty Orchestra, "To Die Dreaming."
 Orchestral—International Novelty Orchestra, "Four Little Farms."
 6.43: Tacet.
 6.45: Orchestral—Jack Hylton and His Orchestra, "Old-Time Songs," C1681.
 Violin—David Wise, "Cavalleria Rusticana" (Mascagni), Zono. 5420.
 Orchestral—Jack Hylton and His Orchestra, "Lonesome Little Doll."
 6.59: Tacet.
 7.0: News Session.
 7.30: Talk—Mr. M. J. Scott, B.A., B.Sc., "Winter Feeding of Stock," arranged by 3YA Primary Productions Committee.
 8.0: Chimes.
 Popular and Dance Programme.
 8.1: Orchestral—Dajos Bela Orchestra, "Electric Girl" (Helmberg-Holmes).
 8.5: Quartet—Valencia Quartet, "Ever of Thee" (Foley Hall).
 Baritone—Mr. E. J. Johnson, "King Charles" (M. V. White).
 8.12: Soprano—Miss Lucy Fullwood, "Spring's Awakening" (Sanderson).
 8.16: Cello—Mr. Harold Beck, "Scherzo" (Van Goens).
 8.19: Contralto—Miss Mary Taylor, (a) "A Bowl of Roses" (Clarke); (b) "The Sweetest Flower that Blows" (Hawley).
 Tenor—Mr. T. G. Rogers, "Macnisha" (Macmurrough).
 8.26: Instrumental—Christchurch Broadcasting Trio, "Trio No. 6" (Bohm).
 8.36: Humorous song—Mr. Reg. Lamb, "Eat More Fruit" (Rule and Stogden).
 8.40: Quartet—Valencia Quartet, "Evening's Pastoral" (Shaw).
 8.47: Baritone—Mr. E. J. Johnson, "Song of the Waggoner" (Smith).
 8.51: Cello—Mr. Harold Beck, "Barcarolle" (Ham Sitt).
 8.54: Soprano—Miss Lucy Fullwood, "There's a Song Down Every Roadway" (Wood).
 Tenor—Mr. T. G. Rogers, "Mountain Lovers" (Squire).
 9.1: Weather report and announcements.
 9.3: Contralto—Miss Mary Taylor, "The Hills of Donegal" (Sanderson).
 9.7: Instrumental—Christchurch Broadcasting Trio, (a) "April's Lady" (Ancliffe); (b) "Cradle Song" (Schubert); (c) "Hungarian Dance No. 1" (Brahms).
 9.17: Humorous song and monologue, (a) "The Hielan Jazz" (Tyffe); (b) "Packing" (Carter).
 9.24: Quartet—Valencia Quartet, "It was a Lover and His Lass" (Morley).
 9.28: Dance music, "Brunswick."
 Fox-trot—Cotton Pickers, "He's a Good Man to Have Around."
 Fox-trot—Ray Miller's Orchestra, "Someone's Falling in Love."
 Fox-trot—Cotton Pickers, "Shoo, Shoo, Boogie Boo" (Robin), 4447.
 Fox-trot—Ray Miller's Orchestra, "If You Want Lovin'" (Spier).
 9.42: Vocal duet—The Inspiration Boys, "On the Alamo" (Kahn), 4436.
 Fox-trot—Grunovich's Roof Garden Orchestra, "There's Sugar Cane Around My Door" (Leonard), 4430.
 Fox-trot—Mount Royal Hotel Orchestra, "Finding the Long Way Home" (Kahn), 4406.
 Waltz—Regent Club Orchestra, "Mistakes" (Leslie), 4473.
 Waltz—Carter's Orchestra, "Three O'Clock in the Morning" (Terriss).
 9.57: Organ and xylophone—Lew White, "You Were Meant for Me" (Freed).
 Fox-trot—Mount Royal Hotel Orchestra, "The Land of Sleepy Water."
 Fox-trot—Biltmore Hotel Orchestra, "That's What I Call Sweet Music" (Meskill), 4413.
 Fox-trot—Red Nicholls' Five Pennies, "Alice Blue Gown" (Tierney).
 Fox-trot—Biltmore Hotel Orchestra, "Now I'm in Love" (Yellen).
 10.12: Comedienne—June Putsell and Roy Fox, "I'm Walking Around in a Dream" (Lewis), 4412.
 Fox-trot—Arnold Johnson's Orchestra, "Don't Hang Your Dreams on a Rainbow" (Kahal), 4452.
 Fox-trot—Al Goodman's Orchestra, "Or What Have You?" (Henry).
 Fox-trot—Colonial Club Orchestra, "Song of the Moonbeams" (Tobias).
 Fox-trot—Al Goodman's Orchestra, "I've Made a Habit Out of You."
 Waltz—Regent Club Orchestra, "If We Never Should Meet Again."
 10.30: Organ with xylophone—Lew White, "Wedding of the Painted Doll."
 Fox-trot—Oriole Orchestra, "An Old Italian Love Song" (Harrison).
 Fox-trot—Lyman's California Orchestra, "Ain't Misbehavin'" (Razaf).
 Fox-trot—Oriole Orchestra, "Why Did You?" (Lombardo).
 Fox-trot—Red Nicholls' Five Pennies, "A Pretty Girl is Like a Melody" (Berlin), 4456.
 10.45: Vocal duet—The Inspiration Boys, "The Moonlight March" (Newman).
 Fox-trot—Hotel Astor Orchestra, "Every Moon's a Honeymoon."
 Fox-trot—Lyman's California Orchestra, "Bashful Baby" (Friend).
 Fox-trot—Hotel Astor Orchestra, "An Eye-Full of You" (Gilbert).
 Waltz—Carter's Orchestra, "That Naughty Waltz" (Stanley), 4433.
 11.0: God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, MAY 9.

- 3.0: Chimes. Selected gramophone items.
 3.15: Talk—Miss Buccleugh, "Fashions."
 4.25: Sporting results.
 4.30: Close down.
 5.0: Children's hour, conducted by Aunt Sheila.
 6.0: Dinner session, "H.M.V." Hour.
 Suite—London Symphony Orchestra, "Czar Sultan Suite."
 Waltz—International Concert Orchestra, "Waltz Dream" (Strauss).
 6.12: Tacet.

- 6.15: Suite—New Light Symphony Orchestra, "Peer Gynt Suite" (Greig). 1—Ingrid's Lament; 2—Arabian Dance (C1571).
New Light Symphony Orchestra, "Prelude in G Minor" (Rachmaninoff)
- 6.27: Tacet.
- 6.30: Suite—Peer Gynt Suite (Grieg). 1—Return of Peer Gynt; 2—Solweig's Song (C1572).
New Light Symphony Orchestra, "Prelude in C Sharp Minor."
- 6.42: Tacet.
- 6.45: Philadelphia Symphony Orchestra, "Danse Orientale" (Glazounov).
Waltz—International Concert Orchestra, "Sari" (Kalman).
March—Philadelphia Symphony Orchestra, "March of the Caucasian Chief" (Ippolitoff-Iwanoff) (E521).
- 6.57: Tacet.
- 7.0: News session.
- 8.0: Chimes.
- Overture—Symphony Orchestra, "Oberon" (Weber) (H.M.V. D1811).
- 8.9: Soprano—Miss Poppy Christie, (a) "I Love the Merry Sunshine" (Stephen Glover); (b) "Big Lady Moon" (Coleridge-Taylor).
- 8.15: Trio—4YA Studio Trio, (a) "Andante" (Mendelssohn); (b) "Vivace."
- 8.27: Sketch—Winkel-Lampen Radio Players, "The Cure" (Melford).
- 8.32: Baritone—Mr. L. H. Stubbs, "The Song of the Waggoner."
- 8.35: Violin—Mr. J. Wallace, "Concerto 2nd and 3rd Movements."
- 8.47: Contralto—Miss Helen E. Roy, "Come to the Fair" (Martin).
- 8.50: Tenor (in Welsh)—Mr. J. E. Davies, "O Na Byddian Haf O Hyd."
- 8.54: Flute with orchestra—John Amodis, Flute Concerto, (a) "Andante" (b) "Finale" (Mozart) (H.M.V. C1533).
- 9.1: Weather report.
- 9.3: Soprano—Miss Poppy Christie, "My Mother Bids Me Bind My Hair."
- 9.7: Piano—Mr. Max Scherek, "Rondo Brillante" (Weber).
- 9.13: Sketch—Winkel-Lampen Radio Players, "A Home for Paul."
- 9.19: Orchestral—Philadelphia Symphony Orchestra, "Danse Macabre."
- 9.27: Baritone—Mr. L. H. Stubbs, (a) "Give a Man a Horse he can Ride" (O'Hara); (b) "Absent" (Metcalfe).
- 9.34: Trio—4YA Studio Trio, "Scherzo" (Arensky).
- 9.44: Contralto—Miss Helen E. Roy, (a) "To Tell Thee How I Love" (Liddle); (b) "In My Garden" (Liddle).
- 9.50: Tenor—Mr. J. E. Davies, (a) "I Hope" (Jones); (b) "To Daisies."
- 9.56: Orchestral—Berlin Philharmonic Orchestra, "Damnation of Faust," "Hungarian March" (Berlioz) (H.M.V. D1498).
- 10.0: God Save the King.

Saturday, May 10

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, MAY 10.

- 2.45: Relay from Eden Park of the description of Rugby Football Match. Announcer, Mr. Gordon Hutter.
- 4.30 (approx.): Close down.
- 5.0: Children's session conducted by "Cinderella."
- 6.0: Dinner session—"Parlophone" Hour:
Fantasia—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).
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).
Instrumental—Dajos Bela Orchestra, "Dancing Demoiselle" (Fall).
- 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 and market reports.
- 8.0: Chimes. March—Band of Royal Air Force, "The Wee MacGregor Patrol" (Amers) (Columbia G20479).
- 8.4: Soprano—Miss Adele Taylor, "Orpheus with His Lute" (Sullivan).
- 8.8: Overture—1YA Orchestral Octet, under the direction of Mr. Eric Waters, "Sea Nymphs" (Purdy).
- 8.17: Novelty vocal—The Snappy Three, (a) "Anything to Make Her Happy" (Valentine), (b) "Latest Hit."
- 8.26: Bass-Baritone—Mr. Arthur Wright, "From Oberon in Fairland" (Slater).
- 8.30: Orchestral—1YA Orchestral Octet, "Cordoba Intermezzo" (Lozano).
- 8.36: Humour—Mr. S. W. Marshall, "Arf a Cigar" (Herbert).
- 8.40: Novelty duo—The Bohemian Duo, (a) "Where the Sweet Forget-me-nots Remember" (Warren), (b) "I'll Always be in Love with You" (Stept).
- 8.48: Male quartet—Hudson Singers, "Where the Bab-bab-babbling Brook" (Nelson-Pease) (Columbia 01698).
- 8.51: Suite—1YA Orchestral Octet, "Petite Suite de Concert" (Coleridge-

- Taylor): (1) "Le Caprice de Nannette," (2) "Demande et Response," (3) "Un Sonnet d'Amour," (4) "Tarantelle Fretillante."
- 9.1: Evening forecast and announcements.
- 9.2: Organ—Nicholas Robins, "This is Heaven" (Yellen-Akst) (Col. 01760).
- 9.5: Soprano—Miss Adele Taylor, (a) "Buy My Strawberries" (Oliver), (b) "Down Vauxhall Way" (Oliver).
- 9.12: Novelty, piano, vocal—The Snappy Three, (a) Selected, (b) "Come West, Little Girl, Come West" (Donaldson), (c) "Latest Hit."
- 9.21: Organ—Nicholas Robins, "Sing a Little Love Song" (Conrad) (Col.).
- 9.24: Bass-Baritone—Mr. Arthur Wright, (a) "The Gay Highway" (Drummond), (b) "Muleteer of Malaga" (Trotiere).
- 9.31: Saxophone duet—Members of 1YA Orchestral Octet, "Plantation Echoes" (arr. Grooms).
- 9.36: Humour—Mr. S. W. Marshall, (a) "Coming Home" (Jackson), (b) "The Load on My Mind" (Winter).
- 9.43: Novelty duo—The Bohemian Duo, (a) "The Sun is at My Window" (Lewis), (b) "Just Wondering" (Belbath).
- 9.51: Selection—1YA Orchestral Octet, selection from the musical comedy "Okay" (Gershwin).
- 10.0: Programme of dance music—"Columbia":
Foxtrot—Ipana Troubadours, "Building a Nest for Mary" (Greer).
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" (Tisley) (Regal).
- 10.12: Vocal duet—Layton and Johnstone, "Lady Divine" (Shilkret) (01658).
Foxtrot—Piccadilly Players, "I'll Always be Mother's Boy" (Green).
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 Ticked to Death I'm Me" (Butler).
- 10.27: Cinema organ—Regal Cinema Organ, "Long Ago" (Elliot) (Regal).
Foxtrot—Lou Gold's Orchestra, "Walking with Susie" (Gottler).
Foxtrot—Paul Whiteman's Orchestra, "Reaching for Someone" (Leslie).
Foxtrot—Bert Lown's Loungers, "Big City Blues" (Gottler) (Regal).
Waltz—Cafe Royal Band, "Forever" (Yellen) (Regal G20551).
Waltz—The Cavaliers, "My Dear" (Kahn) (01646).
- 10.45: Vocal solo—Ruth Etting, "You're the Cream in My Coffee" (De Sylva).
Foxtrot—Paul Whiteman's Orchestra, "S'posin'" (Razaf) (07027).
Foxtrot—Piccadilly Players, "My Mother's Eyes" (Baer) (01646).
Foxtrot—Paul Whiteman's Orchestra, "Laughing Marionette" (Collins).
Foxtrot—Lou Gold's Orchestra, "Breakaway" (Gottler) (Regal).
- 11.0: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, MAY 10.

- 3.0: Chimes.
- 3.1: Selected studio items.
- 3.30 and 4.30: Sports results.
- 4.55: Close down.
- 5.0: Children's session, conducted by Uncle Toby.
- 6.0: Dinner music session. Columbia hour.
Waltz—Symphony Orchestra, "Artists' Life" (Strauss), 02577.
Instrumental—Columbia Symphony Orchestra, "Al Fresco" (Herbert).
Fox-trot—La Nuova Orchestra, "Di Napoli" (Romani), 3066.
Band—H.M. Grenadier Guards, "La Paloma" (Yradier), 0987.
- 6.13: Tacet.
- 6.15: Instrumental—Ketelbey's Orchestra, "In a Monastery Garden."
- 6.27: Tacet.
- 6.30: Instrumental—Columbia Symphony Orchestra, "Bandinage" (Herbert).
Waltz—Royal Serbian Tambouritzza Orchestra, "Kosovo," 3066.
Waltz—Symphony Orchestra, "Tales from the Vienna Woods."
March—H.M. Grenadier Guards Band, "Twist and Twirl" (Kottaun).
- 6.43: Tacet.
- 6.45: Waltz—Royal Philharmonic Orchestra, "Blue Danube" (Strauss).
Waltz—Jacque Jacobs's Ensemble, "España" (Waldteufel).
- 6.57: Tacet.
- 7.0: News session, market reports and sports results.
- 7.40: Lecturette—Miss Flora Cormack, "How Talking Pictures are Produced."
- 8.0: Chimes.
- 8.1: Relay from the Town Hall of the Wellington Harmonic Society's first concert of the 1930 season.
Overture—2YA Salon Orchestra (conductor, Mr. M. T. Dixon), "Slavonic Rhapsody" (Friedman).
Madrigal—The Choir, "In Going to my Lonesome Bed" (Edwards).
Negro Spiritual—The Choir, "Talk about a Child that do Love Jesus."
Hebridean songs—Gretta Don, Scottish soprano (in costume of Celtic chieftainess), (a) "Diedre's Farewell to Scotland," (b) "The Christ-Child's Lullaby," (c) "Isle of My Heart," (d) "To the Lord of the Isles." (Songs of the Hebrides arranged by Kennedy Fraser).
Part-song—The Choir, "Summer is Gone" (Coleridge-Taylor).
Part-song—The Ladies, "The Wood Pewee" (Eleanor Everest Freer).
Violin solo with Orchestra—Mr. W. Haydock, "Andante," "Symphony Espagnole" (Lalo).
From the Studio:
Weather report and announcements.
Record—Karol Szepter (piano), with orchestra of Berlin State Opera House, "Hungarian Dances, Nos. 5 and 6" (Brahms), Parlo.
Selection—2YA Salon Orchestra, "Marche Algerienne" (Saint-Saens).

- Solo and chorus—The Choir, "The Seal Woman's Croon," from "Songs of the Hebrides" (Kennedy-Fraser).
 Part-song—The Choir, "The Song of the Gale" (Foster).
 Hebridean songs (Labour Lits)—Gretta Don, Scottish soprano (in costume of Celtic peasant), (a) "Weaving Lilt," (b) "Sky Milk-ing Song," (c) "Churning Lilt," (d) "Spreading the Sea-wrack," (e) "The Cockle Gatherer" ("Songs of the Hebrides").
 Part-song—The Choir, "I Saw Lovely Phillis" (Bevan).
 Chorus—The Choir, "The Challenge of Thor," from "King Olaf." Dance programme. H.M.V.
- 10.0: Fox-trot with vocal refrain—Nat Shilkret's Orchestra, "Because I Know You're Mine" (Derickson), EA515.
 Fox-trot with vocal refrain—Jack Hylton's Orchestra, "I Kiss Your Hand, Madame" (Erwin), EA519.
- 10.9: Banjo solo—Mario de Pietro, "Trivolous Joe" (De Pietro), B2820.
 Fox-trot with vocal refrain—Nat Shilkret's Orchestra, "I Want a Daddy to Cuddle Me" (Ebie), EA515.
 Fox-trot with vocal refrain—Waring's Pennsylvanians, "That's How I Feel About You" (Davis), EA516.
 Waltz—Jean Goldkette's Orchestra, "Can You Blame Me?" (Goodwin).
- 10.21: Baritone solo—Noel Coward, "Lorelei" (Coward), B2737.
 Fox-trot with vocal refrain—New Mayfair Dance Orchestra, "The Egg Song" (Salisbury), EA517.
 Fox-trot with vocal refrain—Geo. Olsen and his Music, "In a Little Town Called Home, Sweet Home" (Donaldson), EA516.
 Tango—Rio Grande Tango Band, "The Tile Trot" (Penso), EA517.
- 10.23: Comedian—Frank Crumit, "The Road to Vicksburg" (Crumit), EA524.
 Fox-trot with vocal refrain—Nat Shilkret's Orchestra, "Broadway Melody" (Freed), EA525.
 Fox-trot with vocal refrain—Waring's Pennsylvanians, "My Castle in Spain" (Caesar), EA523.
- 10.42: Mandoline solo—Mario de Pietro, "Concert Mazurka" (Calace), B2820.
 Fox-trot with vocal refrain—Nat Shilkret's Orchestra, "You Were Meant for Me" (Freed), EA525.
 Fox-trot with vocal refrain—Geo. Olsen's Music, "Makin' Whoopee—"
- 10.51: Comedian—Frank Crumit, "The King of Borneo" (Crumit), EA524.
 Fox-trot with vocal refrain—Geo. Olsen's Music, "Until You Get Somebody Else" (Kahn), EA408.
 Waltz with vocal refrain—Rudy Vallee and his Connecticut Yankees, "Sweet Suzanne" (Leslie), EA523.
- 11.0: Sporting summary.
 11.10: Close down.
- 3YA, CHRISTCHURCH (980 KILOCYCLES), SATURDAY, MAY 10.**
- 3 p.m.: Chimes. Sporting relay.
 4.25: Sports results.
 4.30: Close down.
 5.0: Children's hour, "Aunt Pat."
 6.0: Dinner session, "Columbia" hour.
 March—H.M. Grenadier Guards, "Martial Moments" (arr. Winter).
 Waltz—Eddie Thomas's Collegians, "Missouri Waltz" (Logan), 02553.
 6.12: Tacet.
 6.15: Violin and Wurlitzer organ—Marnello, "Evening in the Desert."
 Hawaiian—South Sea Islanders, "Dreamy Hilo Bay" (Heagney).
 March—Columbia Symphony Orchestra, "March of the Toys."
 Piano solo—Percy Grainger, "Molly on the Shore" (Grainger), 03575.
 6.26: Tacet.
 6.30: Waltz—Eddie Thomas's Collegians, "Till We Meet Again" (Whiting).
 Waltz—Eddie Thomas's Collegians, "Beautiful Ohio" (Earl), 02651.
 Piccolo duet—Jean and Pierre Gennin, "Rippling Streams" (Gennin).
 6.41: Tacet.
 6.45: Violin and organ—Marnello, "Once" (Saunders), Regal G20420.
 Xylophone—W. W. Bennett, "Gee Whizz" (Byron), 02575.
 Hawaiian—South Sea Islanders, "Lei Lani" (Heagney), 01162.
 Instrumental—Denza Dance Band, "In the Shadows" (Finck), Regal.
 6.58: Tacet.
 7.0: News session.
 7.30: Sports results.
 8.0: Chimes. Vaudeville and dance programme.
 8.1: Overture—Bournemouth Municipal Orchestra, "Gee Whizz" (Brooke).
 8.5: Popular bass songs—Mr. Leslie Fleming, "Ould Doctor Magian."
 8.9: English concertina duets—Theo and Frances Gunther, (a) "Jeannine" (Shilkret); (b) "Always" (Berlin).
 8.13: Dialogue—George Graves and Myles Clifton, "The 'Ole in the Road."
 8.21: Popular instrumental music—Studio Instrumental Octet, "Nautical Overture" (Ansell).
 8.31: Sketch—Alice Chapman and Charles Lawrence, "At the Races" (arr. Lawrence).
 8.41: Hawaiian—Norman Clark and his South Sea Islanders, "Good-bye, Hawaii" (Bories), Col. 01225.
 8.44: Popular song—Miss K. Hart Stewart, "Join the Navy" from "Hit the Deck" (Yeomans).
 8.48: Popular instrumental music—Studio Instrumental Octet, (a) "Andantino" (Lemare); (b) "Hungarian Dance" (Delibes).
 8.56: Chorus with orchestra, Earl Carroll's Vanities Orchestra, with chorus, "One Alone" from "The Desert Song" (Romberg), Col. 01242.
- 9.0: Weather report and announcements.
 9.2: Organ—Lew White, (a) "Mean to Me" (Turk); (b) "Deep Night."
 9.8: Popular bass songs—Mr. Leslie Fleming, (a) "The Queen of Con-nemara" (Needham); (b) "The Company Sergeant-Major."
- 9.14: Popular instrumental music—Studio Instrumental Octet, (a) "Magie of Love" (Vanis); (b) "Aubade Printaniere" (Lacombe).
 9.20: Sketches—Miss Alice Chapman and Mr. Charles Lawrence, "Their Wedding Day" (Lawrence); "Before and After Marriage."
 9.30: Concertina duets—Theo and Frances Gunther, (a) "Heliotrope" (Lacoste); (b) "Ben Hur Chariot Race" (Paul).
 9.40: Popular instrumental music—Studio Instrumental Octet, "Serenade d'Amour" (Bon Blon); (b) "Pizzicato Polca" (Strauss).
 9.46: Popular songs—Miss Khura Hart-Stewart, "Deep in My Heart" from "Student Prince" (Romberg); "Waltz Song" from "Vagabond King" (Friml).
 9.52: Hawaiian—Norman Clark and his South Sea Islanders, "Ulumehi o Kaala" (Bories), Col. 01225.
 9.55: Popular instrumental music—Studio Instrumental Octet, "Goblin Blues" (Monte Carlo).
 Dance music, "Columbia."
- 10.0 Fox-trot with vocal refrain—Paul Specht's Orchestra, "I Love You, I Love You, I Love" (Firth), 01459.
 Fox-trot—Vern Buck's Orchestra, "What a Girl, What a Night!"
 Fox-trot—Stellar Dance Band, "In the Shadows" (Finck), Regal.
 Fox-trot—Piccadilly Players, "Who Did? You Did" (Kalmar), 01402.
- 10.12: Waltz—Continental Novelty Quintet, "Sunlight," Regal, G20432.
 Fox-trot—Jan Garber's Orchestra, "Weary River" (Sillers), 01459.
 Ben Selvin's Orchestra, "If I Had You" (Shapiro), 01469.
 Fox-trot—Stellar Dance Band, "The Song I Love" (De Sylva), Regal.
- 10.27: Vocal duet—The Trix Sisters, "My Rock-a-Bye Baby" (Leslie), 01484.
 Fox-trot—The Piccadilly Players, "Happy-Go-Lucky Bird" (Kalmar).
 Fox-trot—Ben Selvin's Orchestra, "If You Want the Rainbow."
 Fox-trot—California Ramblers, "You're Just a Great Big Baby Doll."
 Fox-trot—California Ramblers, "Bless You, Sister" (Robinson).
- 10.42: Waltz—The Cavaliers, "I Loved You Then as I Love You Now" (Axt).
 Waltz—Continental Novelty Quintet, "On Board," Regal, G20432.
 Vocal duet—The Trix Sisters, "I'm Crazy over You" (Sherman).
- 10.51: Fox-trot—Stellar Dance Band, "Heart-broken and Lonely" (Coslow).
 Fox-trot—Piccadilly Band, "A Room with a View" (Coward), 01420.
 Fox-trot—Stellar Dance Band, "I Can't Make Her Happy" (Pollack).
 Fox-trot—Piccadilly Band, "Try to Learn to Love" (Coward), 01420.
- 11.0: God Save the King.
- 4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, MAY 10.**
- 3.0: Chimes. Selected Gramophone Items.
 4.25: Sporting results.
 4.30: Close down.
 5.0: Children's Hour, conducted by Aunt Anita.
 6.0: Dinner Music, "H.M.V." Hour.
 Selection—Kauffman's Orchestra, "The Gipsy Baron" (Strauss).
 Waltz—La Vittoria Orchestra, "Wedding of the Winds" (Hall).
 6.12: Tacet.
 6.15: Orchestral—Piccadilly Orchestra, "If Only I Had You" (Davis).
 Orchestral—Piccadilly Orchestra, "Lolita" (Ferrette).
 Hawaiian—Kolomoku's Honoluluans, "Aloha Oe" (Liliuokalani).
 Orchestral—Piccadilly Orchestra, "Charmaine" (Rapee).
 6.27: Tacet.
 6.30: Selection—New Mayfair Orchestra, "This Year of Grace" (Coward).
 Orchestral—Waring's Orchestra, "Ah! Sweet Mystery of Life" (Herbert) (EB37).
 Hawaiian—Kolomoku's Honoluluans, "Three O'Clock in the Morning" (Robledo) (Zonophone EF23).
 6.42: Tacet.
 6.45: Orchestral—Victor Concert Orchestra, "Minuet in G" (Paderewski).
 Orchestral—Victor Concert Orchestra, "Amaryllis" (Thys) (EA240).
 Orchestral—Piccadilly Orchestra, "Bird Songs at Eventide" (Coates).
 Waltz—International Concert Orchestra, "Blue Danube" (Strauss).
 6.57: Tacet.
 7.0: News Session.
 8.0: Chimes.
 Relay from 3YA Christchurch of Vaudeville programme.
- 10.0: Dance Session, "Brunswick" Hour.
 Foxtrot—Six Jumping Jacks, "The Whoopee Hat Brigade" (Siegel).
 Foxtrot—Cotton Pickers, "No Parking" (Chase) (4440).
 Foxtrot—Six Jumping Jacks, "Piccolo Pete" (Baxter) (4457).
 Waltz—Bob Haring's Orchestra, "I Love You" (Fisher) (4458).
 10.12: Vocal—Harold Lambert, "When the Real Thing Comes Your Way" (Spier) (4556).
 Foxtrot—Cotton Pickers, "St. Louis Gal" (Robinson) (4440).
 Foxtrot—Cotton Pickers, "Moanin' Low" (Dietz) (4446).
 Foxtrot—Lyman's California Orchestra, "Susanna" (Ward) (4423).
 Foxtrot—Al Goodman's Orchestra, "After Thinking it Over" (Davis).
 Foxtrot—Bob Haring's Orchestra, "Song of Siberia" (Lewis) (4493).
 10.30: Organ and vibraphone—Lew White, "Honey" (Somons) (4386).
 Foxtrot—Lyman's California Orchestra, "Janitor" (Donaldson).
 Foxtrot—Bob Haring's Orchestra, "The Moonlight March" (Newman).
 Foxtrot—Bob Haring's Orchestra, "At Close of Day" (Klages).
 Waltz—Colonial Club Orchestra, "My Song of the Nile" (Bryan).
 10.45: Vocal duet—The Dixie Stars, "Sweet Mandy" (4459).
 Foxtrot—Carl Fenton's Orchestra, "The World's Greatest Sweetheart" (Razaf) (4467).
 Foxtrot—Colonial Club Orchestra, "If You Believe in Me" (Gilbert).
 Foxtrot—Carl Fenton's Orchestra, "Smiling Irish Eyes" (Ruby).
 Carl Fenton's Orchestra, "Love is a Dreamer" (Green) (4466).
 11.0: God Save the King.

Sunday, May, 11

Australian News and Programmes

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, MAY 11.

- 3.0 : Afternoon session—Selected studio items, including literary selection by the Announcer.
- 4.30 : Close down.
- 6.0 : Children's session conducted by Uncle Leo.
- 6.55 : Relay of evening service from St. Andrew's Church (Preacher, Rev. I. E. Bertram; Organist, Dr. Neil McDougall).
- 8.30 (approx.) : Relay of concert from the Town Hall by the Auckland Municipal Band under the conductorship of Mr. Christopher Smith.
- 9.45 (approx.) : God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, MAY 11.

- 3 p.m. : Afternoon Session. Selected Gramophone Items.
- 4.30 : Close down.
- 6.0 : Children's Service, conducted by Uncle George, assisted by the Children's Choir of the Vivian Street Baptist Church, under the supervision of Rev. F. E. Harry.
- 7.0 : Relay of Evening Service of Taranaki Street Methodist Church. Preacher, Rev. T. R. Richards. Organist and choirmaster, Mr. H. Temple White.
- 8.15 (approx.) : Relay of recital of the Port Nicholson Silver Band from the Grand Opera House.
- God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, MAY 11.

- 3 p.m. : Afternoon Session Gramophone Recital.
- 3.45 : Talk by Rev. A. W. Stuart, B.A. (Organising Deputational Society of the British and Foreign Bible Society, Canterbury Auxiliary). "Romance of the British and Foreign Bible Society."
- 4.0 : Gramophone Recital continued.
- 4.30 : Close down.
- 5.30 : Song Service by children of Church of England Sunday Schools, conducted by Rev. Archdeacon Haggitt, assisted by the children from St. Mary's Sunday School.
- 6.15 : Chimes from the Studio.
- 6.30 : Relay of Evening Service from St. Mary's (Church of England) Church, Merivale. Preacher, Rev. Archdeacon P. B. Haggitt. Musical Director and Organist, Mr. Alfred Worsley.

Intermission.

7.45 : Selected Musical Recordings.

Studio Programme.

- 8.15 : (Approx.) March—Berlin Philharmonic Orchestra, "March from 'Tannhauser'" (Wagner), H.M.V. D1498.
- 8.18 : Baritone—Mr. J. J. Hall, "Like to the Damask Rose" (Elgar).
- 8.22 : Soprano and tenor duet—Miss Ella Thurlow and Mr. Sidney Williamson, "A Night in Venice" (Luncantoni).
- 8.26 : String quartet—Virtuoso String Quartet, "Orientale" (Glazounof).
- 8.29 : Contralto—Miss Helen Russell, "Sapphic Ode" (Brahms).
- Tenor—Mr. Sidney Williamson, "Del Mio Dolce Ador" (Gluck).
- 8.37 : Piano solo—Miss L. Merle Miller, "Etude in E Major" (Chopin).
- 8.41 : Soprano—Miss Ella Thurlow, "Mad Scene" from Opera "Lucia di Lammermoor" (Donizetti).
- Baritone—Mr. J. J. Hall, "She is Far From the Land" (Lambert).
- 8.50 : Cello—Lauri Kennedy, "Hungarian Rhapsody" (Pöpper), H.M.V.
- 8.53 : Soprano and tenor duet—Miss Ella Thurlow and Mr. Sidney Williamson, "Dear Love of Mine," from "Nadeshda" (Thomas).
- 8.57 : Piano—Miss L. Merle Miller, "Laughing Water" (Bayton Power).
- 9.1 : Contralto—Miss Helen Russell, "Cloths of Heaven" (Dunhill).
- 9.4 : Weather report and announcements.
- 9.6 : String Quartet—Virtuoso String Quartet, "Mignon Gavotte" (Thomas).
- 9.9 : Tenor—Mr. Sidney Williamson, "An Evening Song" (Blumenthal).
- "Onaway, Awake Beloved" (Coleridge-Taylor).
- 9.17 : Quartet—Sidney Williamson's Quartet, (a) "In Silent Night" (Brahms); (b) "Drink to Me Only" (arrgd. by Bulton).
- 9.21 : Orchestral—San Francisco Symphony Orchestra, (a) "Serenade" (Volkman); (b) "Flight of the Bumble Bee" (Rimsky-Korsakov).
- God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, MAY 11.

- 3.0 : Chimes. Selected Gramophone Items.
- 4.30 : Close down.
- 5.30 : Children's Song Service, conducted by Big Brother Bill.
- 6.15 : Close down.
- 6.30 : Relay of Evening Service from Church of Christ, St. Andrew Street. Preacher: Pastor W. D. More.
- 7.45 : Philadelphia Orchestra, "Rienzi" (Wagner) (H.M.V. ED3-4). Chorus with Orchestra, "Berlin State Opera Orchestra, "Trio from 'Finta' and "Closing Scene" from "Der Rosenkavalier" (Strauss).
- Berlin State Opera Orchestra, "Polonaise No. 2" (Liszt).
- 8.15 : Relay of Studio Programme from 3YA.
- 9.30 (approx.) : God Save the King.

AS reception from stations across the Tasman is improving, we have prepared a selection of items to be presented from the main Australian stations in the near future. New Zealand times are given.

Thursday, May 1.

STATION 2FC—9.30 p.m. : Radio choral competition. Presentation of concert by Ashfield Choral Society. 10.30 p.m. : The A.B.C. Players present "The Tomb of Osiris."

Station 2BL—9.30 p.m. : "The Vanishing Race," by Conrad Charlton. 10.45 p.m. : The Rhythmic Three in popular numbers.

Station 3LO—9.30 p.m. : The R.V.I.B. Ensemble in classical numbers. 10 p.m. : Dance programme by Mark Makeham's Melodians, interspersed with light vaudeville numbers.

Station 3AR—9.30 p.m. : The "Odd Men Out" present "Liberty, Equality, Fraternity." 9.45 p.m. : Community singing from the Brighton Town Hall.

Friday, May 2.

STATION 2FC—9.30 p.m. : Organ recital from the Fullerton Memorial Church, interspersed with classical and vaudeville numbers. 10.45 p.m. : Relay from 3LO Melbourne of band recital by the Collingwood Citizens' Band.

Station 2BL—9.40 p.m. and 10.50 p.m. : Enid Conley and Clement Williams, pianoforte and vocal recital.

Station 3LO—9.30 p.m. : Famous composers. Presentation of a life-sketch of Schumann, with orchestral and vocal renderings of some of his most famous compositions. 10 p.m. : Folk stories from County Kerry. "Irish Tears," with incidental music by the studio orchestra.

Station 3AR—9.30 p.m. : Leaves from a war plot's log-book. From the records of Wing-Commander A. J. Cole, M.C., D.F.C. 9.45 p.m. : Classical selections from the studio.

Saturday, May 3.

STATION 2FC—9.30 p.m. : The Hospital Concert Party present a vaudeville evening.

Programme Features

(Continued from page 11.)

AT 8 o'clock a relay of the Wellington Harmonic Society's first concert of the 1930 season will be carried out. This society is well known to the Wellington public for the splendid programme it arranges, and to distant listeners for the excellent way in which it comes "over the air." The programme will be a varied one, and will include the following numbers by the choir: "Summer Is Gone" (Coleridge Taylor), "The Song of the Gale" (Foster), "I Saw Lovely Phyllis" (Bevan), the Madrigal, "In Going to My Lonesome Bed," a Negro Spiritual, "Talk About That a Child Do Love Jesus," and "The Challenge of Thor."

Hebridean songs will be a feature of the programme, as the society has engaged Miss Gretta Don, a Scottish soprano recently arrived in New Zealand from a successful tour of the United States. Miss Don has made a special study of these songs, and will contribute two groups of songs to the programme. The Salon Orchestra, playing under the conductorship of Mr. M. T. Dixon, will play the "Slavonic Rhapsody" by Friedmann, "The Marche Algerienne," by St. Saens, and Mr. W. Haydock will play as a violin solo with orchestral accompaniment

Station 2BL—9.30 p.m. : Light vocal and instrumental numbers.

Station 3LO—10 p.m. : Episode I of a series adapted from the "Posthumous Papers of the Pickwick Club."

Station 3AR—9.45 p.m. : A variety programme, including humorous, vocal, and instrumental numbers. 11 p.m. : A mystery story, "The Strange God and his Victims."

Sunday, May 4.

STATION 3LO—8.30 p.m. : Special recital of gramophone music. 9.30 p.m. : Hamilton Webber and the State Musical Ensemble, broadcasting from the State Theatre.

Station 3AR—10 p.m. : Relay of programme by 2BL.

Monday, May 5.

STATION 3LO—11 p.m. : "The Key of Fate," a dramatic sketch. 11.30 p.m. : "In Memory Lane," presentation of a selection of old-time songs.

Station 3AR—9.45 p.m. : Selections by the Regent Brass Band, interspersed with variety numbers. 10.50 p.m. : Comedy sketch, "No Followers."

Tuesday, May 6.

STATION 3LO—10 p.m. : A programme of choral music, including excerpts from Coleridge-Taylor's "Hiawatha." 10.50 p.m. : "The Sinister Guests," the first of a series of Australian plays. 11.20 p.m. : A vaudeville programme.

Station 3AR—9.45 p.m. : Dance music and variety numbers. 10.30 p.m. : "Love in an Office," a one-act play.

Wednesday, May 7.

STATION 3LO—9.55 p.m. : Folk stories from County Kerry. "The Farmer's Sons," with incidental music by the studio orchestra. 10.20 p.m. : "Robin O'Sherwood," a song scene.

Station 3AR—10 p.m. : "The Courting of Widow Malone," a comedy sketch. 10.45 p.m. : Relay from the Majestic Theatre of the first of the new British sound-films, "Splinters."

the "Andante" from Lalo's "Symphony Espagnole."

From 3 and 4YA.

"OULD Doctor Maginn (not previously sung at 3YA) will be one of Mr. Leslie Fleming's songs. Others will be "The Queen of Connemara" and "The Company Sergeant-Major." Songs from "Hit the Deck," "The Student Prince," and "The Vagabond King" will be sung by Miss Khura Hart-Stewart. Miss Alice Chapman and Mr. Chas. Lawrence will present three sketches. English concertina duets will be played by Theo and Frances Gunther, and a bright instrumental programme will be provided by the Studio Octet. This programme will be relayed to 4YA.

SUNDAY, MAY 11.

THE evening service of the Taranaki Street Methodist Church will be relayed on Sunday evening. The preacher will be the Rev. T. R. Richards, and the organist and choirmaster Mr. H. Temple White. The band recital of the Port Nicholson Silver Band will be relayed from the Opera House at the conclusion of the church service.

WANTED AND FOR SALE.

For column of casual advertisements see page 31.



Popularising Electricity

OUR POEM COMPETITION

A Good Margin

Canada's Forward Move

A FORWARD move is being made by the Ontario Government, Canada, to popularise the use of electricity in rural areas. Bills have been introduced to inaugurate a system of loans to farmers to pay for costs of installation and equipment, and further to lessen service charges.

The Public Treasury is asked to allot a sum of some £5000 for the exclusive use of loans to farmer-owners, which are in no one case to exceed the equivalent of £500, and to be repayable over a period of twenty years. The power will be brought to the lane or road nearest the farmer's residence. The Province system is a rapidly-growing one, and the scheme, which offers the farmer or rural resident the means of availing himself of electric power is generous, and one that should enable him to enjoy the full benefit of electric power for both farm and household purposes.

The advances will bear only a very low rate of interest, and are, necessarily, extended to only those who are assessed as owners of properties.

Altogether, it is a progressive, safe move in the cause of electricity, which carries as much or even more amenities to the country-dwellers as to the towns-people, involving no hardship, but conferring immeasurable benefit.

Another bill to come before the same government seeks to set a maximum charge in rural districts (and here is where we in this country would like to emulate it) at about the equivalent of 10/6 per month.

Rural lines, as we all know, are expensive to install, but it is only by one and all availing themselves of this almost magical labour-saving power, that the individual, as well as the majority, can hope to benefit.

In this country we have the same advantages. The hydro-electric scheme is state-owned and state-aided, by means of loans to the various Power Boards throughout the Dominion, and in no niggardly way. It is for the people, themselves, to decide how far and in what way they will take advantage of such State aid, and the marvellous benefits that electricity is now bringing not only to the doors of towns-people, but to those of rural homes, to the milking sheds and factories alike.

THE prize of half-a-guinea this week is awarded to "F. G.-Lee" for his "Poppies of Flanders," which voices, sweetly and poignantly, the long, long thoughts of many of us during the past week. Selected for commendation is another short poem in memory of those who have "outsoared the shadow of our night." This is by "Margaret B.," and has as inspiration our immortal Anzacs.

V. May Cottrell sends an eerie and skilfully constructed nocturne of the jungle, which makes one glad to be out of reach of those padding velvet paws.

S.D.S.: After the first four lines, which are admirable, interest wavers, and flickers out toward the close.

G. B. (Masterton): Far too long. "The little more and how much it is!" "Sardonys" is again to the fore with a quaint conceit, which is written on a note of unusual originality. We are sorry that, for the moment, lack of space precludes publication.

Electricity in Wellington

THE Electricity Department of the Wellington City Council is to be congratulated on the year's trading just ended, resulting in a profit to that department of £60,000. Wellington has, in the meantime, been well served and economically, and at little expense to the consumer.

At a meeting of the council, there was some discussion as to the allotment of these profits, some of the City Fathers contending that they should be applied to the reduc-

Poppies of Flanders

*Poppies, red poppies of Flanders,
Emblems of death,
Though a vision of wondrous beauty,
Oblivion lurks in thy breath.
Fitting that here such a flower
Watches should keep.
Over the white wooden crosses
In this garden of sleep.*

*Faithful red poppies of Flanders,
Guarding the dead;
What finer mantle than poppies
Could o'er them be spread?
Deep in our hearts you've a strong place,
Fashioned to stay,
Knowing you bloom in the right place
Ever and aye.*

*Poppies, red poppies, are drooping,
See how they weep!
Poppies remember the heroes,
Fallen asleep.
But to a burst of God's sunshine,
Sorrow soon yields,
Poppies are once again smiling
In Flanders fields.*

*Weeds though you be, you red poppies,
God put you there,
Knowing the time you'd be needed,
Sorrow to share,
Poppies to teach us a lesson,
Not learned as yet;
Surely if poppies remember
How can we forget?*

—F. G.-Lee.

Anzac Day.

*Hushed and still is the air
This dim, calm autumn day:
Mute and still are the trees,
Veiled in a mist of grey.
Awhile the smoke and the mist
Lie on the brooding plain,
Till trees are dim-hued ghosts
Lost in a dream of pain,
Mourning—as we—the dead
Of another April day,
Long, wistful years ago,
And weary miles away.*

—Margaret B.

tion of the Tramway Department's debt, others that electrical facilities should be made still cheaper, and charges to consumers be reduced. Both arguments are entitled to serious consideration, but one great point remains to be made.

So far the council, or rather the Electricity Department, while the change-over in voltage has been in progress, has not unduly advocated the purchase of home electrical appliances to nearly the extent of its known advisability. Saturation point has never been even nearly approached, but with a universal voltage, so much greater home use will undoubtedly be made of electricity that it can readily be seen how cheaper electric power will in the near future become. It is not too much to say that, shortly, electricity will not only be the cleanest and the most efficient, but by far the least costly way of heating, cleaning and cooking for homes in the district of the Wellington City Council.

"Oft In The Chilly Night"

Portable Radiators and Their Uses

IT is not proposed in this article to deal with those beautiful radiators, which combine all the comfort and cheerful appearance of the natural coal-fire, and which are decorative enough to add to the beauty of any apartment. They demand and deserve a chapter to themselves. Rather are these few remarks addressed to the housewife, who justly dreads beginning fires again, with the attendant dust and ashes and the labour of carrying fuel. She is, however, often painfully conscious of the reproachful looks directed at the empty fireplace, when, after even the sunniest autumn day—and we have enjoyed some glorious ones this year—the evenings turn very cool, and it is often too cold to sit and enjoy the evening hour or two, reading or sewing.

The reluctance to light a fire is added to, also, by the knowledge that it will be just at its best when bedtime

there is no fear of blistering a polished floor or scorching the carpet. Copper or chromium reflectors increase radiation, and add to the feeling of comfort. Small enough to stand in any fire-place, when desired, light enough to be moved anywhere, they are properly weighted at the base to prevent accidents through overturning.

In the Wee Sma' Hours.

WHAT a joy to have one in the bedroom for twenty minutes only, night and morning, to be able to dress and retire in comfort, at the cost of a fraction of a penny. Indeed, it is in the bedroom that the valuable portable fire is most appreciated, particularly during the winter months, when it can be placed close to the dressing table "on a cold and frosty morning." For a sick-room, too, one is invaluable, supplying the necessary warmth as and when required, without the noise of stoking during the night to disturb the invalid. How satisfying to feel, also, that the young folk have been packed off to bed thoroughly warm and to be able to bathe baby in any room, made cosily warm at a moment's notice, without any fuss of preparation or subsequent cleaning-up!

Many of the round pedestal type of radiators now have the advantage of being adjustable to a flat position, when they will heat a kettle or a small pan—a consideration not to be despised. Again, it is now possible to obtain portable warmth in the form of an electric screen. These are really very decorative and attractive, easily moved about, and may be bought in different sizes; and are an ideal way of supplying occasional heat. Copper reflectors, chromium reflectors, elements of the cone or fire-bar type, they come in all convenient sizes at prices to suit all purses, starting at under twenty shillings apiece. They consume from a quarter of a unit to two units of electricity per hour, many of them so arranged that they can be started at "high" and afterwards turned to "low." When one takes into account the cleanliness, the efficiency and the instant readiness for service, what better investment could one make of a pound or so, or what more welcome gift, especially at this time of the year, could be desired?

Electric Dog Defies Burglars

A FRENCH engineer has discovered a new use for the electric eye, or photo cell. He has invented an electric dog that jumps, barks fiercely, and even tries to bite when a burglar throws the light of a torch or lantern in its face. The ray of light sets up the current, which, in its turn, starts the motor that makes the dog act like the real animal, and gives a very effective alarm.

Electric Launches Public Works Praised

THE London County Council, which provides so liberally for the recreation of children in the various London parks and recreation grounds, is shortly to install electrically-driven boats for the shallow waters in Clissold Park, Ravenscourt Park, Springfield Park, Tooting Common, Blackheath, and Clapham Common, in addition to the ordinary paddle boats. The charge will be sixpence for seven minutes, and those who know these veritable oases in the vast metropolis will readily appreciate the thrill these boats will afford to the younger fry.

MR. R. SPRAGUE, manager of the Thames Valley Power Board, commenting on the Arapuni power station, says: "The success of this work is undoubtedly a great tribute to the skill of our New Zealand engineers, who, many British and Australian experts say, are equal to those of any country in the world."

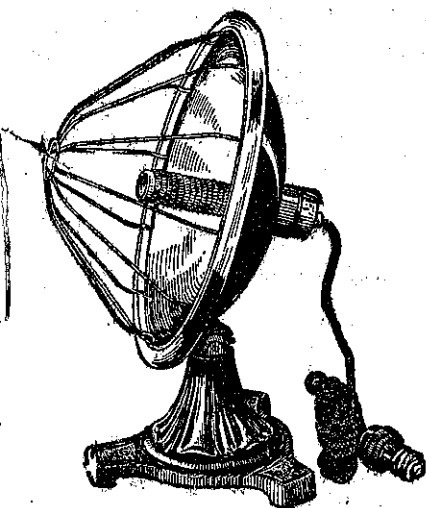
The foundations which will carry the fourth generating unit have now been completed and the machinery from overseas is awaited. The engineers are now directing their activities to another and intensely interesting enterprise. This is the extension of the powerhouse to double its present length, to accommodate four more units. When this work is completed the station will be able to generate 120,000 kilowatts.

The first work in the new enterprise will be the blasting of the high wall of rock on the powerhouse side of the gorge, to make room for the new building. The excavation work has been commenced, and affords a spectacular diversion when heavy cargoes are fired.

Mr. Sprague considers that it is most gratifying to those who had publicly expressed faith in the scheme from the beginning to note the splendid way in which it has been conceived and carried out, in the face of severe criticism which overseas experts now state was wrongly directed.

Saving the Orchards

AMERICAN orchardists and vegetable-growers are menaced by the insect known as the mealy-bug, which destroys trees and plants. Lady-birds, those pretty little spotted insects around which nursery rhymes and superstitions are woven, it is discovered live on mealy-bugs, so lady-bird culture is thriving, and large quantities are being cultivated for the benefit of the farmer. Carefully ventilated cabins are being built for their accommodation, and because the lady-bird demands a warm, even temperature, electric heaters are being used.



comes, and half its benefit and all the trouble taken, so wasted. Again, in the mornings, it frequently seems such waste to light a fire in the breakfast or dining-room, which will be deserted after an hour or so, when each member of the family has gone off or out upon his daily business or pleasure bent.

Here, then is just where the smaller, portable radiator so amply justifies its existence. Obtainable at a price that enables it to be used to advantage in every home, it furnishes a plentiful supply of instant heat, without smoking or waiting for the fire to "draw up."

The glowing units are tilted so that warmth is directed where desired, and

Now he was like this boy was then—just started on a promising career, full of hope and enthusiasm. There was a great likeness—the same wistful mouth, the same inquiring look. If another war should break out, no doubt he would soon be in uniform like this one. I turned away, sad at heart. I felt for that bereaved mother now as I had never done before.

God grant us peace for many, many years to come!—"A Mother"

NEW! NEW Designs NEW Finishes NEW Lower Prices

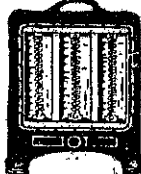
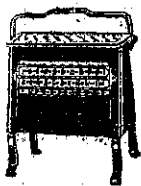
Have some say in the temperature of your home this WINTER. Go along to your electrical dealer and see his displays of the new 1930 season—

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Quaint Characters I Have Known

"GREEN HAT ANNIE"

LITTLE Miss Annie Black, or "Green Hat Annie" as she was more generally known, was a familiar figure in our little township. For years, as far back as any of us younger folk could remember, she had never been known to wear anything but a green hat. The style and the shape would change with the passing of the years, but never the colour. Be it a sailor, a panama, a crinoline, or a felt, the colour was always the same. It was a particularly vivid shade of green, the real emerald isle, and poor little Miss Annie, with her sallow skin and weak blue eyes, looked more drab and insipid than ever beneath her coronet of green. I often wondered about her and her queer preference, and then one day she told me. Fifteen years before, when she was a young girl of twenty, she had had an admirer, one, Patrick Day, who had paid her marked attention. His work in the district terminated, however, and he had to seek employment elsewhere. On the day of his departure, Miss Annie had, in a reckless moment, spent all her small savings on a new hat, a green one. Patrick hailed it with delight. "Sure, an' it's the foino hat, indeed," he had told her, "the real Irish green an' all. An' when I come back for ye, will ye be still a'wearing the green hat for me?"

She had promised him, happily, that she would, and ever since, although fifteen long years had passed by, she had kept her promise. "I know it doesn't suit me now, altogether," she told me, a little bleakly, "but if he comes back, I couldn't bear to have him disappointed." I told her she looked just lovely, and gave her a special hug, and she went away a little comforted. And then one day I met her, and to my amazement she was wearing a black hat. She must have sensed my surprise, for almost her first words were, "I suppose you notice my hat. Yes, I can wear a black one now, with an easy conscience. I have heard of Pat at last. He's married to a Maori woman up north—been married ever since he left here. Oh well—" She sighed a little, then brightened, "Anyway it's a relief to give up the green hats.

CONTRIBUTIONS of original matter of general interest to women and the home, if possible, but not essentially, associated with radio, electrical equipment or home-craft in the widest field, are invited for this page. Space rates. All matter must be brief and in ink, on one side only. Name or nom de plume. Contributors must claim payment for matter published by forwarding at the end of each month clipping, together with date of publication, to our Accountant. Address contributions, "The Editor," Box 1032, Wellington.

Those Queer Japanese

HAVE you ever listened to Japan? a few moments a man commenced to I did the other night and shall jabber and after a few sentences, never forget the interest and amusement that the broadcast provided. I very fast, I distinguished the letters JOFK. At this I received a real thrill for I knew that to be the call sign of a Japanese station.

After he had ceased—is was a long

Boost!

(With apologies to Big Bill, of Chicago.)

Boost your township, boost your friend,
Boost the club that you attend;
Boost the street in which you're dwelling,
Boost the goods that you are selling;
Boost for every forward movement,
Boost for every new improvement;
Boost the man for whom you labour
Boost the stranger and the neighbour.
Cease to be a chronic knocker,
Cease to be a progress blocker;
If you'd make OUR PAPER better,
Boost it to the final letter.

listened to his stranger fare. I presumed it was music, though far from what we term music. There was a one-stringed instrument, at least it seemed like that, and some one was plucking the string at irregular intervals and sliding his other hand up and down the string much the same as a child does when he gets a violin.

There was neither melody nor rhythm but it must have interested the Japanese, for I was sure it could be no other than one of these Oriental, for the item continued for fully ten minutes. It then ceased. After

I won't ever have to wear one of them again." She went away, and I think her eyes were brighter and her step lighter because her weary waiting was now ended.—"Oh Mack."

announcement compared with the curt introductions at the conclusion of items from our stations—a vocalist began to entertain. It was weird. He commenced with series of e's high up the scale then, in a manner that would be frowned upon by the poorest of music teachers, began to descend to a lower pitch. He still chanted the e's, if anything drawing them out a little more, and so he descended to the lowest registers. Then he changed, not his tune, but his note, ah's this time, and repeated the performances, and so he articulated all the vowels. Several times he went up and down the scale. All this time the one-stringed instrument was monotonously and mournfully strumming in the background. It was weird, to say the least of it.—Gwen.

A Memory

THE other day I had occasion to revisit our little local school after an absence of some years. While waiting for the children to come out I wandered round the grounds. I remembered well the laying out of the flower-beds, and the planting of the trees and shrubs—all done in the old days by "working bees." I was one of the younger mothers in those days, and we were all very enthusiastic. How everything had grown! I halted before a large king punga, and a flood of memories rushed over me.

How well I remembered the planting of it! It was planted in memory of the first lad from this district to fall in the Great War. How eagerly that first little band of volunteers had rushed off on their first great adventure, one or two of them even adding a year or two to their ages for fear the war would be over too soon for them and they would miss all the fun!

We were getting ready to go to a dance in the school when the wire came. Of course it was postponed, and some of us felt we could never dance again. We were shocked and stunned, and for the first time the reality of war was brought home to us. One of our bright boys would never come back—and what of the others? Later, we held a "parents' day" at the school and planted this punga, and hung a photo of our friend in the school.

The scholars came trooping out, then the teacher followed. He was a stranger to me, and among the scholars was not one face I knew. After stating my errand, I took occasion to remark on how the king punga had flourished and found it had no special significance to him. He knew nothing of its history, and was very interested. No doubt all the scholars were equally ignorant. Truly a new generation had arisen. It could scarcely be said they had forgotten, but, rather, that they never knew.

"There was a photo in the school," I said. We went inside. There he was, just as I had seen him last, in his uniform, looking very straight and proud, yet with inquiring eyes and rather wistful mouth. No doubt he was just beginning to wonder what life held in store for him, but he had been cut off by death before he had tasted life.

At the time this photo was hung my own little boy had been in the primers.

A Song of Thanksgiving

AFTER battling with fire on the upper part of a sunken German liner in dock at New York for twenty-four hours, the firemen were able to search the ship.

They then made the astonishing discovery that a shipment of 7000 song birds—reported to have been burned to death many hours earlier—were all alive. There were canaries, finches and nightingales, and they had been confined and unapproachable for all those hours in a hold that had been flooded. To a bird they had survived the smoke and fumes from the burning cargo, as well as the deluge of water that had been poured down from above them.

The New York correspondent of the "Daily Chronicle" says that as cage after cage was brought up into the sunshine and transferred to the pier, a medley of chirping and tweeting swelled into a glorious chorus. Firemen and employees of the ships and wharves uttered exclamations of wonder and delight and seemed to be more pleased than if they had recovered a chest filled with treasure of gold and jewels.

Radio Listeners' Guide, 1930 Edition.

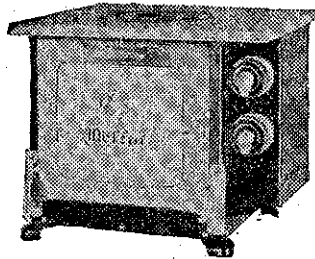
Dealers and Booksellers 2/6, posted 2/9.
P.O. Box 1032, Wellington.

Available in May.

TRADE NOTES

Moffat's Small Cooker, E41-K.

	Width.	Depth.	Height.
Bake oven ...	12	10½	11
Top	19	14½	11
Extreme size	19	15	16½
Top element combined .	1500 watts		
Bottom oven element ...	990 watts		
Porcelain enamel oven front, panel, hinges, and legs. Patented Pyrolytic elements	door, elements		



There are many in baches and flats who would turn in all their ramshackle cooking arrangements if they knew how well this little range can manage meals for four persons. No special fitting is necessary. A length of armoured flen and a socket is provided to attach to the heat or the iron point. Two switches control the heating elements. The switch on top operating the boiling plate which is arranged for the dual purpose of boiling on top of the range and grilling within the oven. The second and lower switch operates the main oven heating element. Each switch can give three grades of heat. Tests were made during three

weeks by one who had not previously used electricity for cooking. No instructions were given. The range was installed and the switches demonstrated to show how the oven thermometer responded to the changing temperature. The range was employed during all this time to cook for a family of five, and no mishaps occurred.

When after the first few days some experience of handling the stove was acquired, it was emphatically stated that all foods cooked in the oven were better flavoured than in non-electric ovens.

It was concluded that the Moffat gave better tasting cooked foods, no loss of time, more convenience, an absence of smell, and less cleaning of the range. As much of the foods were cooked in stored heat, the range is very economical. It is handy to use, looks well, and is not at all in the way, having no floor space.

The Eureka Junior.

POWER, one-sixth h.p. electric motor. Revolutions 10,500 per minute. Amperage, 1 amp. Running costs, three-farthings per hour. Weight, only just over four pounds, or less than the ordinary household iron.

This is an efficient little general utility cleaner, useful in countless ways that do not require the services of a full-sized cleaner. Sturdy, durable, with sufficient suction power to clean stairways, mattresses and upholstery, and even cars. It is easily convertible into a hair-drying machine. Its gentle current of warm air enables a shingle or "bob" to be perfectly set in a few minutes. Emphatically not a toy, although so light and easily operated, but a handy combination vacuum cleaner and hair dryer. Moderate in price, it carries with it the guarantee of the Eureka Vacuum Cleaner Co.

Training the Young Idea

A REMARKABLE school has been opened at Logie, in which all kinds of appliances driven by electricity have been installed for training boys and girls.

For the girls, there is a laundry fitted with twenty electric washing-machines, and the same number of electric irons. There are a large number of sewing machines operated by electric motors and electric cooking stoves for girls to learn to cook by electricity.

The boys have an engineering shop and a smithy, where everything is driven by electricity, even the brazing hearth for teaching boys to weld. For lighter moments as well as for educational purposes, there are a stage and electrically-worked cinematograph.

Windshield Wiper Heated

ELECTRIC heat warms the newest automobile windshield wiper to help it clear rain and sleet from the driver's path of vision. In appearance it resembles an ordinary wiper, and is attached in the ordinary way. The jointed metal arm, however, contains a concealed heating coil, connected with wires from the car's battery. Swinging the arms out of the folded position automatically snaps on a switch and generates a gentle heat. The wiper blade sweeps the heated liquid across the glass, clearing and cleaning it.

FOR EVERY

Modern

HOME



ELECTRIC

FIRES



TYPES:

Bungalow

Boudoir

Office

Villa

Westinghouse

Bowl

Projector

Radiant

Adams Pattern

Corinthian

Patented Smokeless Types

Regent Coal Fire

Canopy Coal Fire

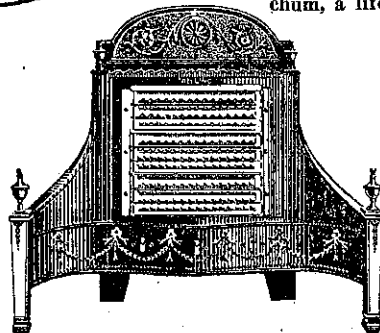
Tudor Coal Fire

Medieval Coal Fire.

Georgian Coal Fire

Celtic Coal Fire

Classic Coal Fire

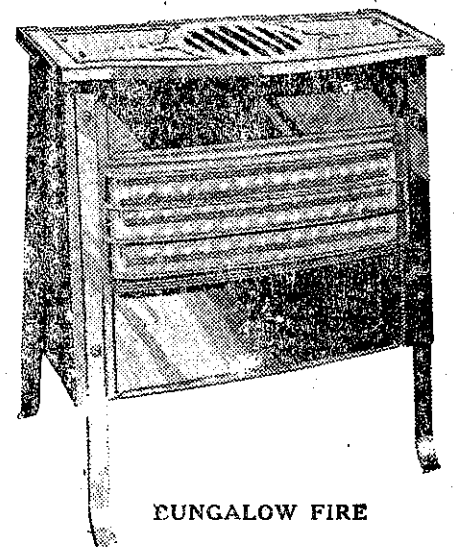


ADAMS PATTERN
for a beautiful drawing room.

There are many who feel a little bit puzzled about electric fires. They look so clean and shining and reserved. Like a basket of new-laid eggs, they do not shout out how good they are; they do not carry you to 6th floors like an elevator. They are taciturn, silent; but, switch on the current and sit down. How quickly warmth steals over your body. How glowing and delightful!

When the wind is southerly, and blows and blows and cannot disturb your electric fire—that's when you penetrate the reserve and discover a chum, a lifelong, warm-hearted friendship.

At each of our branches you can examine some twenty different styles, all safe, efficient and resplendent, and if there should be the electric fire you like, our advice about installing and operating cost is freely given without obligating you, and may be very helpful.

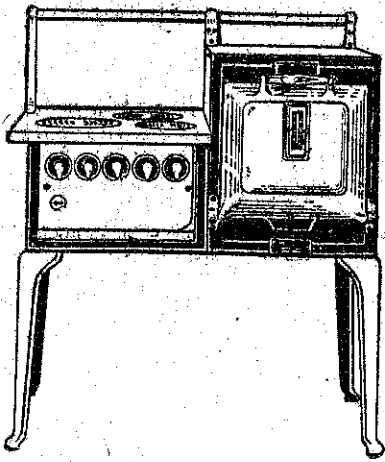


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Turnbull & Jones Ltd.

Auckland, Wellington, Dunedin, Christchurch, Hastings

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Have you any Suggestions ... for ...

Varying the Menu?

CAN you cook? Yes, of course, every woman can cook! Then you must have some choice recipes that you have discovered. Why not share them by sending them in to our cookery exchange? Just address them: "Electric, P.O. Box 1032, Wellington," and we shall do the rest—but remember, write on one side only—it saves a great amount of trouble. For all recipes published space rates will be paid if the clipping, together with date of publication, is sent to the Accountant (Box 1032) at the end of the month. For the best and most useful recipe there is a prize of 5/-. It is hoped that those acquainted with electric ranges will participate in the exchange, for we give preference to recipes adapted for electric cooking, told with a personal touch. Now, do your best, and we shall do ours for you!

Banana Cream Pie.

LINE a piedish with short pastry made by mixing 6oz. flour, 4oz. butter, 2 tablespoons sugar, half teaspoon baking powder, with water, and bake in the oven at 450deg. F. until nicely browned. Remove from the oven, and fill with sliced bananas (use silver or stainless knife for slicing to avoid discolouring the bananas). Pour over this the yolks of two eggs, beaten with 1 cup of milk and half-cup sugar. Return to the oven; turn off the heat, and leave for half an hour. Then cover with the stiffly-beaten whites of the two eggs, to which have been added 3 tablespoons sugar and a little vanilla essence, and return to the

oven until meringue is set. Serve hot or cold with cream.—"Tao."

Tomato and Onion Pie.

TAKE 2 Spanish onions, 2lb. firm tomatoes, breadcrumbs, butter and seasoning. Peel the onions, cover them with boiling water, let them remain so for at least two hours, then drain and dry thoroughly, and cut them into slices. Heat up 1oz. of butter in a frying pan and fry the onions until lightly browned. Slice the tomatoes, place them in alternate layers with the onion into a buttered pie-dish, sprinkling each layer lightly with salt and pepper, and liberally with breadcrumbs. Cover the whole with a good layer of breadcrumbs, add a few small pieces of butter, and bake in a moderately hot oven for about one hour.—"Mary."

Strawberry Short Cake.

Two cups flour, 4 teaspoons baking powder, $\frac{1}{2}$ teaspoon salt, 2 tablespoons sugar, one-third cup lard, $\frac{1}{2}$ cup milk. Sift, measure and sift flour with dry ingredients. Cut in lard. Add milk to make a soft dough, turn on a slightly floured board; roll or pat out to $\frac{1}{4}$ in. thickness. Bake at a temperature of 425 degrees for 20 minutes. Served, slightly crushed strawberries or raspberries.—Miss Eileen Hooson.

Poached Eggs and Mushrooms.

HALF-PINT of white sauce, 4 eggs, 4 slices buttered toast, little chopped parsley, some mushrooms, about 4oz. cut mushrooms in half, remove the outside skin, and heat them in the sauce for about 15 minutes. Poach the eggs. Place one on each slice of toast, pour the mushrooms and sauce over, sprinkle with finely-chopped parsley. Sufficient for four persons, at cost of 1/3. A very timely recipe, and one very convenient for country people.—"Ritz."

Preserved Tomatoes.

12LB. of tomatoes and $\frac{1}{2}$ lb. butter, salt and pepper, and 3 teaspoons of sugar. Put all these into preserving pan, stirring well. Pour the contents through a colander, rubbing well with wooden spoon to force everything but skins through. Return to pan, and boil for 5 minutes, and then pour the pulp into hot jars with new rubbers

and screw down tightly. This pulp will keep for years. If no rubbers available a secure covering may be made immediately with texwax. I find this excellent as small tomatoes can be so simply used up.—"Kainui."

Quinces—Pickled and Fried.

THE prize of 5/- this week goes to Miss Whitelaw, Kamo, North Auckland, for the two following suggestions for using quinces, both of which seem to be delectable:—

Pickled Quinces.

Prepare and steam as for preserving, and then drop the quince quarters into the following syrup: Boil together one cup of vinegar, one-third of a cup of water, one-third of a cup of sugar, half a teaspoon of cinnamon, and a quarter teaspoon of cloves, both spices tied in a piece of muslin. Cook gently for 20 minutes, put into jars and seal in the usual way. These are delicious with meats.

Fried Quinces.

This is another tart relish, particularly good with fresh pork. Cut each quince into four or five cross-wise slices, removing the core. Fry in a little bacon or sausage fat, slowly, keeping the pan covered. Just before taking them up, sprinkle lightly with brown sugar.

Bran Buns.

ONE cup flour, $\frac{1}{2}$ -cup bran, $\frac{1}{2}$ -cup brown sugar, 1 tablespoon butter, 2 teaspoons baking powder, 1 teaspoon salt, 1 egg.

Rub butter into dry ingredients, heat the egg, and mix. Bake in greased patty-pans in a hot oven. Eat with butter.—Audrey Naish.

Potted Steak.

THIS recipe is splendid for sandwiches. One and a half pounds steak, $\frac{1}{2}$ lb. butter, two tablespoons anchovy paste, $\frac{1}{2}$ -teaspoon cayenne pepper, teaspoon salt, teaspoon ground cinnamon, teaspoon mace; put all in a jar and steam three hours, or until

steak is quite done, then put all through mincing machine and mix well with own gravy. Put steak through mincing machine twice.—Flat.

Luncheon Sausage.

ONE pound beefsteak, $\frac{1}{2}$ lb. bacon, $\frac{1}{2}$ lb. soft breadcrumbs, 2 eggs, 1 teaspoon pepper, 2 teaspoons salt, 1 grated nutmeg, 1 large onion.

Put beefsteak and bacon through mincing machine, mix well with breadcrumbs, eggs (beaten), pepper, and salt, and nutmeg and finely-chopped onion. Form into shape of sausage, tie tightly in cloth, and boil slowly for two hours. Serve when cold, rolled in brown bread crumbs.—Mirianne.

Eggless Gingerbread.

MELT on range in a basin, $\frac{1}{2}$ lb. butter, $\frac{1}{2}$ -cup sugar, 1 cup of milk, $\frac{1}{2}$ -cup of syrup or treacle, 2 teaspoons soda; remove from the element; then add gradually $2\frac{1}{2}$ cups of flour, 2 teaspoons of ground ginger, $\frac{1}{2}$ -packet of spice, 1 cup of chopped dates. Put chopped almonds on top and bake $\frac{1}{2}$ -hour. This cake keeps well (if it gets the chance).—"J.M."

Fish Cakes.

ONE cup cooked fish, 3 cups hot mashed potatoes, 1 egg, salt, and pepper to taste, chopped parsley.

Mix fish and hot potatoes together, then add beaten egg and finely-chopped parsley and mix till ingredients are evenly distributed. Mould into small cakes, dip in flour, and fry in boiling fat. If eggs are plentiful, dip in flour and egg and then fry until a light brown. Serve with sprigs of parsley, and, if liked, garnish with slices of lemon.—"Puawhanenga."



A Cooking Hint.

—One that means lighter, fluffier, more delicious scones and cakes—with higher food value and a much longer period of freshness.

Add a few spoonfuls of **ANCHOR SKIM MILK POWDER** to every mixture.

Ask your grocer for "ANCHOR" TODAY.

PRICE 1/2 PER TIN.

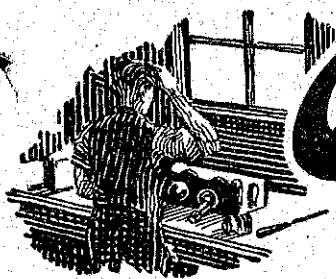
Free Recipe Folder—write to "Anchor," Box 844, Auckland.

SORE THROAT?

Pulmonas

INVALUABLE PASTILLES for

QUICK RELIEF



Questions and Answers



"ARANUI" (Christchurch) asks several questions concerning the electrification of Pentode's dynamic cone. As this subject will receive attention in the Radio Listeners' Guide, which will be out in May, our correspondent is advised to wait until then.

2: How many milliamps. will my set require using the following valves: UX22, A615, PM6, B605?

A.: About 30 if PM6 and 605 are biased properly, but you should not be using PM6 in the first audio stage. By using PM5X you can cut the current consumption down to 24.

"E.J." (Wellington) can receive Wellington in five places on his dial.

A.: One of these is the original and one the harmonic, the other three are probably reflections.

"J.C." (Blenheim) asks if we can describe the construction of a microphone.

A.: It would be far too intricate for amateur construction. Microphones can be obtained from several radio dealers. Try Hartle and Gray, Auckland.

"LISTENER-IN" (Dannevirke) asks the following questions:—

1. Could the R.F. transformer be in a vertical position if the aerial coil also is vertical?

A.: This subject was dealt with fully in an article, "Inductance Coil Design," by Cathode, published in our issue of November 8, 1929. If the coils are 2 in. in diameter they need be separated by 5 in.

2. If not, what position would the aerial coil have to be in if the R.F. transformer is in a vertical position?—Horizontal.

3. Which is the most sensitive and better loudspeaker—the silk diaphragm or a horn?

A.: A horn is more sensitive, but does not give the same quality as the silk diaphragm.

4. Could a push-pull transformer be employed in a set as an ordinary transformer, if the centre tap were disregarded?—Yes.

5. How many transformers are necessary for a stage of push-pull?

A.: One before and one following.

"L.S." (New Plymouth) asks the following:—

1. Will the impedance (Pilot 390) stand a pair of 603's?—Yes.

2. If not, can I make the choke?

A.: Yes, output impedances have been very fully described in the "Radio Listeners' Guide."

3. What should be the value of the condenser associated with it?

A.: Half to 1 mfd.

4. Would "Pentode's" multimeter be sensitive for an eliminator?

A.: Yes, providing the meter obtained has a resistance of 1000 ohms per volt.

5. Could it be made more sensitive by the addition of a higher value resistance?

A.: No, external resistances only increase the range.

"MAC," (Johnsonville) is building the screen-grid booster and wishes to know:—

1. Can a 4-volt tapping be taken from an accumulator?—Yes.

2. He finds on charging "Meghom's" "B" battery that all the plates go the same colour, but after two days the positive takes on the correct shade. Is this correct?

A.: Yes, it was merely an indication that the plates were forming.

"W.L.P." (Pahiatua) states that he cannot notice any difference when he removes the earth wire.

A.: This is quite a characteristic of a.c. sets. An automatic earth is obtained through the a.c. mains.

"J.T.H." (Hokitika) asks if there is any definite relations between wavelength and set-tuning readings.

A.: Yes, a curve can be constructed in the following manner: Obtain the dial settings of several stations and convert their wavelength in metres to kilocycles. Then plot a graph with suitable units along abscissa and ordinate to accommodate the range desired. Plot the points where the stations come in and join up the curve. As an example see the calligraphic curve published on page 29 of our issue of January 24.

"ALL - ELECTRIC" (Palmerston North) asks if any improvement will be noticed if he runs his aerial over water.—Other things being equal—No.

"J.H." (Sandingham) asks the following questions:—

1. Would the battery eliminator for small sets described in June 21, 1929, issue, be sufficient to supply a three-valve set using Radiotron valves.

A.: If a half-wave rectifier of the 281 type were used, it would. Alternatively, a power valve could be used as rectifier, say 171.

2. What is the highest B voltage the same will deliver?

A.: This depends on the number of turns put on the secondary. As described by "Pentode" it will supply 180 volts.

3. Using this eliminator, would there be much hum on the higher frequencies, as it is desired to use the eliminator in an all-wave set?

A.: By using a valve as a rectifier, there will be a certain amount of hum.

This can be cut down by using a proper rectifying valve and suitable chokes.

4. Is that issue still obtainable?—Yes.

"AMATEUR" (Dunedin) has made short-wave coils for his Cossor Melody Maker, and cannot get PCJ and American stations, though he can receive Sydney, London, and one American quite clearly.

A.: This may be due to dead-spots. Place a small variable condenser in the aerial—it seems as though dead spots are causing the trouble.

2. Where can I get the latest list of short-wave stations?

A.: One will be published in the 1930 "Radio Listeners' Guide."

3. The coils are supposed to cover the whole wave-band, but the highest I get is 47 metres, and the lowest 19 metres.

A.: If you require a higher wave-band you must make a coil with more turns on it, similarly increasing the primary and the reaction. Similarly, if you require a lower wave-length you will need fewer turns on all coils, but you will have difficulty in tuning down below 19 metres on an all-wave set.

"A.S." (Khandallah) wants to know:—

1: The address of 4ZH, Napier?

A.: C. B. Hansen and Co., Dalton Street.

2: Is it necessary to verify 2YB, New Plymouth?—No.

3: Can indirectly heated valves taking different biases be run off the same filament winding?—Yes.

"H.W.Y." (Herekino) asks concerning "Megohm's" short-wave booster:—

I have 3½ volts grid bias on the first audio and 4½ on the second audio. Is it worth while purchasing 1½ grid bias for the screen grid.

A.: 3½ is too much for the first audio, but 1½ on the screen should improve the booster.

"ELIM." (Auckland) is constructing an eliminator similar to the one in the Radio Listeners' Guide, and wishes to reduce the detector voltage to 20 and asks what must be the maximum value of

resistance. He works it out to be 100,000 ohms, whereas in the Guide it is given as 500,000.

A.: In the Guide 500,000 is given to provide a wide margin of safety. 100,000 will be just enough to reduce to 20, so it will be advisable to get a slightly higher value. If the drain on the valve is less than 2 milliamps, you will need a very much higher resistance than 100,000 ohms, and if you are using 20 volts on the plate, you will require this extra resistance.

2: Would an Eimco-stad 100,000 ohms be suitable?—We recommend a higher value.

3: Would an automatic power-control be all right for use with the eliminator?—Yes.

4: Would a Yaxley Junior potentiometer be suitable for a "C" biased resistance, or is it too flimsy and liable to overheat?

A.: If it is light it will certainly overheat as the "C" bias resistance has to carry the drain of all the valves.

5: Should the case of all the condensers, including the by-pass condenser, be earthed?

A.: They should be on a metal base which is connected to B—and earth.

6: Is there any advantage in placing the R.F. choke in the plate leads of the rectifying valve when the set already has one in?

A.: Not unless there is any hum.

"ALL-WAVER" (Havelock North) asks if it is necessary to have a dealer's license in order to carry on servicing radio sets in the country.

A.: At the present time the position re this inquiry is rather uncertain, owing to the proposal of a new regulation which states that anyone servicing all-electric sets must have a wireman's ticket. This will probably be in force shortly.

2. What is the price of a country dealer's license?

A.: £7 10s., half the cost of a town dealer's license.

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ALL RADIO REPAIRS.

New Type of Speaker Appears



NEW type of speaker has appeared. It is known as the inductor dynamic, and while in some respects it resembles a magnetic speaker, it is more like a moving coil without field current and large pot magnet. But there is no moving coil.

The feature of the dynamic speaker which has particularly fitted it for reproducing the elusive low tones at considerable volume is that the movement of the coil within the magnetic field is in a direction parallel to the surface of the pole pieces. Thus the movement of the coil is not limited to the inconsiderable space between pole pieces; provided the movement is truly parallel to the pole pieces the moving coil and the attached cone could move in and out half an inch or more if necessary. In the magnetic type of speaker (including those referred to as "balanced armature" speakers, the direction of movement is at right angles to the surface of the pole pieces. Thus the maximum movement permissible is determined by the space by which the armature clears the pole pieces; the fact that the sensitivity of the unit depends on having this space as small as possible so as to secure a reasonable flux density renders the magnetic speaker uneconomical for large inputs—it will be obvious that every increase in input power means increasing the space available for movement and correspondingly decreasing the efficiency.

A further advantage which a parallel motion unit has over the magnetic type is that the force applied to the armature is nearly proportional to the current through the speaker coils. It will be no news to readers that the force which a magnet will exert on an iron armature or "keeper" becomes very much greater as the armature approaches the magnet. Consequently the driving force applied to a magnetic speaker increases out of all proportion to the increases in current occasioned by low notes or high volume simply because the greater movement brings the armature nearer the pole pieces. This is the principal cause of the dis-

The Inductor Dynamic has Interesting Features

(By CATHODE)

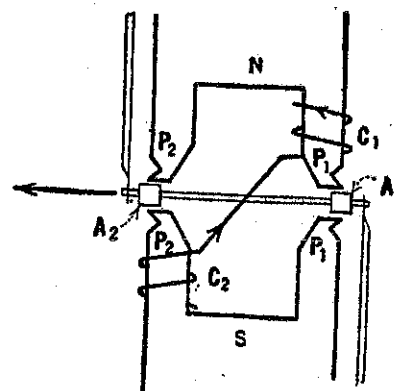
tressing rattle noticed when a magnetic speaker is "overdriven."

The last disadvantages of the magnetic speaker to which reference is to be made is not shared by all speakers of this type; many, however, have an unbalanced armature which is prevented from "flopping" on to the pole-pieces only by the inherent stiffness of a reed or strong spring, which is also instrumental in driving the diaphragm. Not only is this reed a serious factor in curtailing the amplitude of movement, but it introduces resonances, frequently so marked as to become irritating. A balanced system such as the "inductor dynamic" employs obviously needs no restoring force to be supplied by springs, and while these still provide a convenient means of locating the armature centrally in the gap, yet permitting free movement, their strength may be so reduced and their damping made so effective that any resonances introduced are unimportant; commercial models are claimed to have no measurable resonances higher in frequency than 60 cycles.

HAVING now discussed the principal advantages which the "inductor dynamic" and "moving coil" speakers share to the exclusion of the magnetic type, it remains to be seen what advantages, if any, the "inductor" has over the "moving coil." It has only one, but it is important. It is no longer necessary to provide a considerable gap in the iron circuit to accommodate a bulky moving coil; all that is necessary is a bare clearance for the iron armature. Clearly the magnetising force necessary to maintain a satisfactory flux will be very much less, and, in point of fact, a horseshoe permanent magnet of fair dimensions is sufficient and is used commercially with success.

In principle the new unit depends on the well-known fact that a magnet will produce a torque—or force—in such a direction as to reduce the length or reluctance of the path of the magnetic flux. Diagram 1 shows in section the two armature bars (A1 and A2) connected by tie rods, the lengths of which are so adjusted that the armature bars, when symmetrically disposed, lie partially outside their respective pole faces; in other words, each pole face is only partially covered by its appropriate armature bar. It will be noted that each armature bar has acting upon it a torque tending to bring it opposite the corresponding pole face (so as to reduce the reluctance of the flux path) but that by virtue of the tie rods the force acting on one armature bar opposes that acting on the other; the result is that the assembly will take up a position in which the magnetic pull on both bars is equal and opposite, and this may be termed the magnetic centre.

Consider now the effect of passing a current through the series-connected coils C1 and C2. A current flowing



Illustrating the movement of the new Inductor Dynamic Speaker, fully described in the text.

in the direction indicated will increase the flux through the pole legs P1 and decrease the flux through the pole legs P2. The major flux, seeking the path of least reluctance, exerts a greater force on the armature bar A1 than is exerted on the armature bar A2, thus moving the whole armature assembly from right to left. On the reverse of the cycle, the armature moves in the opposite direction in the same manner.

Expressed a little differently, it might be said that the flow of voice current in the coils causes the magnetic centre to shift and the armature assembly moves along with the magnetic centre. The pole legs are cut to the shape indicated to reduce the leakage flux and to bring the greatest flux density to the desired points. A suitable extension of the central tie rod to one side or other of the assem-

bly illustrated provides a driving pin for a freely mounted cone; the driving pin is, of course, mounted in the opposite direction to that in which the permanent magnets, of which there may be two or more, mounted side by side, project.

In the commercial product, the springs which hold the gap constant, are of very thin stock (.008in.) and the entire armature assembly, including springs, weighs but 4.5 grams as compared with the 8 to 15 grams of representative moving coils. It is claimed that with an input of 15 db. at 30 cycles, the unit moves a 10-inch cone one-eighth inch; if this is true, the efficiency is strictly comparable with a moving coil speaker (using twelve watts or so to provide the field. Certainly this movement could be accommodated for the very light springs restrict motion in the desired direction scarcely at all, although they render it quite impossible for the armature to touch the pole pieces. The springs are of channel section, the channel being filled with soft rubber to provide damping.

IT is doubted whether this speaker unit is suitable for amateur construction, even in a modified form. The shaping of the pole pieces is of some importance, and while those fortunate persons who have access to a machine shop might be able to achieve success, shaping by chisel and file is altogether too laborious. Any machinists contemplating construction will, of course, be guided as to dimensions by the type of magnet they chance to procure; this must be fairly powerful, and a disused magneto might provide suitable material. 1000 turns or so of very fine wire (44 or 46 s.w.g. enamelled) must be accommodated on each of two bobbins made of varnished and baked paper for C1 and C2, unless a step-down output transformer is used when the turns may be reduced roughly according to the ratio of the transformer, the size of the wire being suitably increased to fill the bobbin. Strictly speaking, the number of turns should be determined by the type of output valve employed, but the number given should not be far out for any of the modern fairly low-impedance power valves, even if these are used in push-pull.

It is essential that some type of output device, either an output transformer or a choke-condenser output unit, should be used with this speaker unit. The only circumstance under which this may be dispensed with is when a push-pull final stage is used; the junction between the two coils may then be connected to B + the other ends of the coils being connected to the plates of the output valves, one to each. As with the ordinary dynamic speaker, a baffle-board of fairly large dimensions must surround the freely-mounted cone driven by the unit if the latter is to do itself justice on the lower tones.

The writer has been doing a little experimenting with condenser speakers, and while results are not yet such as to justify a constructional article, they are distinctly interesting.



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WELLINGTON

The Band-Pass Four

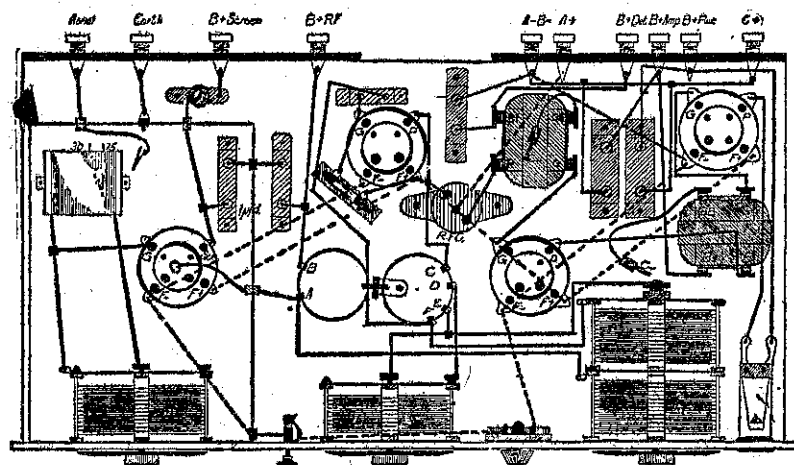
Utilises Band-Pass Filter and Screen-Grid Valve



THE band-pass filter circuit is not really anything new, for it has been in use abroad for some time, and is consequently embodied in many factory-built sets in use in New Zealand. There has been a need for a circuit that is selective yet does not lack in quality because of this, and so the band-pass filter has been designed to meet this need. We will not enter here into the theory—that would take an article of its own,

inches from the top of the panel (or higher according to the type of dial to be used, but be careful that the radio condenser will fit in the screen) and at these intervals from the end: 4in., 12in., 20in.

The rheostat, switch and the jack,



but to the construction of a receiver embodying such a unit.

The circuit, "The Screen Grid Four," is a simple one. It has been constructed by a regular reader, who states that it is working excellently. Its construction may be taken on by anyone who has little if any previous experience in construction.

First take the accompanying list to your dealer and obtain the necessary components. In using components other than those specified the experimenter is safe but the novice decidedly unsafe. For those commencing this, their first set, follow the components set out, or if your dealer has not one exactly the same ask him to substitute.

The Panel.

THE first job is to drill the panel. Lay it flat on a smooth surface (a sheet or two of newspaper on a firm bench) glazed side down, and mark out as follows.

The condensers, small holes are three

4½in. from the top and at these intervals from the end: The switch 5in., the rheostat 15½in., the jack 23in.

Secure the base board to the panel by raised headed screws or by angle brackets and mount the components on the panel as shown in the diagram. The condensers open upwards and the tandem condenser (two condensers on the same spindle) at the end near the jack.

Making the Coils.

THE coils are the next task. The band-pass filter is composed of two

TABLE I.

Primary	.0005	70 turns	28 d.c.c.
and			
Secondary	.00035	85 turns	28 d.c.c.
Reaction—			
.0005	20 turns	30 d.c.c.	
.00035	25 turns	30 d.c.c.	
.0001	40 turns (2 layers)	30 d.c.c.	

All windings in same direction looking down on coils (anti-clockwise).

separate solenoid coils wound on 2in. formers. The first (primary or left-hand coil) is composed of: For a .0005 condenser 70 turns of 28 D.C.C. or D.S.C. s.w.g. wire and for a .00035, 85 turns of the same wire. The right-hand coil or secondary is really the more elaborate. Starting at the top, the reaction coil is wound on. This will vary with the value of the reaction cond., viz., .0005 cond. 20 turns; .00035 cond. 25 turns; .0001 cond. 40 turns; all of 30 D.C.C. or D.S.C. s.w.g. wire. For the .0001 cond. it will be found advisable to wind the 40 turns in two layers to save space and keep the reaction winding as small as possible. After the winding, leave ½in. space and wind on the secondary winding exactly as the primary.

In making the coils it will be found advisable to bring the ends of the various windings to nuts and bolts as shown in the diagram.

When putting the coils together they should be arranged so that the bottom turn of the reaction winding comes opposite the top turn of the primary winding. The coils are all wound in the same direction, that is, either clockwise or counter-clockwise. Looking down on the coils, and starting from the top, the wire is wound toward the constructor.

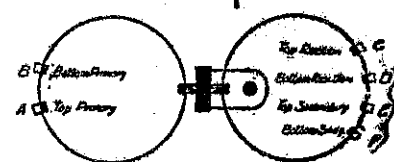
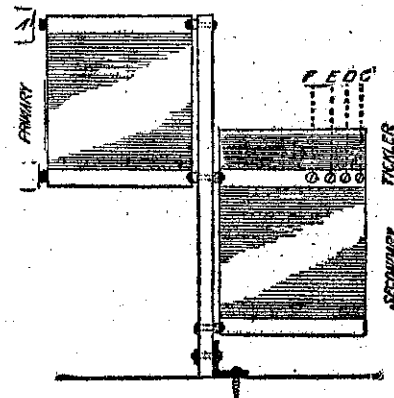
The radio frequency coil is made by winding one similar to the primary of the band-pass filter, but with two tapplings, one at the 15th turn and one at the 30th, these tapplings are brought out to two small terminals, so that a flex lead from the aerial can be clipped on to one or the other. Now

fasten the components to the base-board. This will not present great difficulty, but it is impossible to give definite measurements as the sizes of different makes are not the same.

The Screening Box.

THIS can quite conveniently be the standard "Radio Record" screening box, obtainable from most dealers. Those who have the facilities to make one need not adhere to the standard size, but might utilise the one shown in the diagram 7in. x 10in. x 6in. The amateur is advised not to attempt to make a screen.

It will be found the easiest way of mounting this item is to remove the first condenser from the panel and arrange the front of the screen until the spindle hole of the condenser is in the



Designed for RADIO-GRAMOPHONE WORK

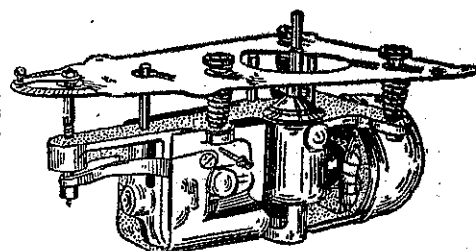
THE DIEHL Electric Gramophone motor is of the single phase, squirrel cage, induction type, which knows no equal in a radio gramophone. It is simply yet ruggedly constructed, and quiet and dependable in operation.

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Short Wave News.

Central and South American Stations.

I AM indebted to Mr. A. Lambourne (Reading, England) for the particulars of the following short-wave stations: HRR, Tegucigalpa, Honduras, 49.95 metres, transmits on Tuesday, Thursday and Saturday, 1.45 p.m.-5.30 p.m. HKT, Bogota, Columbia, 48.5 metres, transmits daily from 12.30 p.m. to 5.30 p.m.

NRH, Costa Rica, 30.5 metres, daily from 2.30 p.m. to 3.30 p.m., all in New Zealand times.

The latter station has been heard by Mr. Morrison (Brooklyn) and myself.

3RO, Rome, Testing on 80 Metres.

MR. MORRISON (Brooklyn) reports hearing 3RO, Rome, testing on 80 metres on Friday and Saturday mornings (25th and 26th inst.), commencing each day at 7.30 a.m., volume being R7-8 with perfect modulation. Announcements are made in Italian and English.

Extra Transmission from G5SW.

IT was announced that till May 17 there would be the following additional transmissions from G5SW: Mondays to Saturdays, 16.50 to 17.15 G.M.T., tuning signal followed by a news session.

Saturdays, 18.00 to 23.00 G.M.T., relay of the London programme. The New Zealand times are Tuesday to Sunday (inclusive), 4.20 a.m. to 4.45 a.m.; Sunday, 5.30 a.m. to 10.30 a.m.

Hae RA97, Siberia, Changed Their Call?

WHILE listening to a talk in English by a lady, she was heard to give the call of "RB16, Khabarovsk, on 70 metres." A Christchurch listener also reports hearing the call.

5SW Sheds Joy in Japan.

THE "Japan Advertiser," Tokio, tells a human story of how the speech of Mr. Reijiro Wakatsuki, Japan's chief delegate at the Naval Conference, was heard by his family in Tokio. Considerable anxiety was felt by the engineers of station JOAK as to whether Mr. Wakatsuki would be heard, particularly as the earlier speeches at the inaugural session, including that of King George, were almost inaudible owing to extraneous noises. As time went on, however, 5SW's power seemed to increase, and when Mr. Wakatsuki's turn came, his speech was strong and clear. The chief delegate's family were grouped round a loudspeaker in Tokio and were overjoyed when they recognised his voice.

Daylight Saving in U.S.A.

SUMMER-TIME commences in the districts that have adopted it on Sunday morning, April 27. New York stations will therefore close one hour earlier according to our time from Monday.

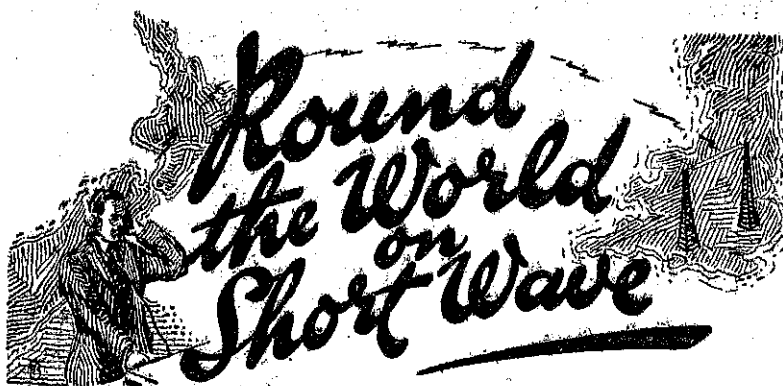
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The rate for small advertisements under this heading is 1/6 cash for 20 words, and twopence for every other word thereafter.

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MYSTERIOUS Pocket Lighter. What makes it light? 4/6. Two posted with Snark Pencil, 10/- Agents wanted. Royds-Howard Co., Colombo Street, Christchurch.



Log for the Week

Sunday, April 20.

W2XAD at noon was R1-2, increasing to R5 at 1.30 p.m. Soon after 2 p.m. there was no sign of this station.

W2XAF were very gushy at 2 p.m., being R3. Volume and quality soon improved, being R8-9 by 3.30 p.m.

NRH, which till now has been an identified station, was tuned in about 2.30 p.m. on 30.5 metres. A clock was heard just after 2.30 p.m., followed by a metronome till an orchestra commenced. Volume

RA97, Siberia, 70 metres, each evening.

W9XF, Chicago, 40.83 metres, Saturday.

WSXAL, New Jersey, 40.18 metres, Friday and Saturday.

W2XB, New York, 49.02 metres, Sunday, Monday and Saturday.

WSXK, Pittsburgh, 48.86 metres, Sunday, Monday and Friday.

W2XAF, Schenectady, 31.4 metres, Sunday, Friday and Saturday.

PCJ, Holland, 31.4 metres, Friday and Saturday.

Zeeseen, Germany, 31.38 metres, each morning.

NRH, Costa Rica, 30.5 metres, Sunday and Saturday.

VK2ME, Sydney, 28.5 metres, Wednesday, Thursday, Friday and Saturday.

GBX, England, 27.5 metres, Wednesday, Thursday, Friday and Saturday.

KIXR, Manila, 26.3 metres, each evening except Monday.

G5SW, England, 25.53 metres, Wednesday, Thursday, Friday and Saturday.

W6XN, California, 23.35 metres, Sunday, Tuesday and Friday.

W2XAD, Schenectady, 19.56 metres, Sunday, Monday and Saturday.

Unidentified Stations.

44.2 metres (about), Saturday.

41.6 metres (about), Tuesday, Wednesday and Saturday.

was R5, but modulation was very poor.

When signing off at 2.43 p.m. all that could be distinguished of a long announcement was "this finishes our programme." Two languages are used, Spanish and English.

W6XN was very good from tuning-in at 2.30 p.m., when they were R8, till they closed down. A morse station on the same frequency blotted out W6XN at times. On closing, a "Sunrise Easter Service" was announced to commence at 4 a.m. with an organ recital, followed at 5 a.m. with a service.

WSXK (KDKA) were R8 at 3.45 p.m. on 48.86 metres (no sign of them on their lower wavelength), with a programme for Admiral Byrd. An early morning Easter service was relayed from 4.30 p.m. (midnight in Pittsburgh) till 5 p.m. from the Presbyterial Church, Pittsburgh, for the special benefit of

those in the Far North, the Orinoco Expedition, Byrd's Antarctic Expedition, etc. This came through very well at R8-9.

W2XE were R4 at 5 p.m., but was spoilt by rapid fading. KIXR, Radio Manila, were R8 at 7.50 p.m. The volume was the same when reopening again at 9.30 p.m.

RA97 static was, if possible, worse than usual.

Monday, April 21.

ZEESON at 7 a.m. were R9, with choral music. W2XAD were only audible for a short time about 1.30 p.m., being R2 at their best.

WSXK at 4 p.m. were R2-3, increasing to R8 by 4.15 p.m. Again they were on 48.86 metres only. Reports were asked for to be sent c/o William Penn Hotel, Pittsburgh. W2XE was very weak at 4.30 p.m.—not readable. RA97 again spoilt by static.

Tuesday, April 22.

STATIC was very bad on short waves both morning and evening.

Zeeseen, R8 at 6.45 a.m. 41.6 metre stronger, just audible through QRN. W6XN, R5 at 7 p.m. KIXR, R5 at 9.30 p.m. RA97, R9 10 p.m.

Wednesday, April 23.

5SW at 6.15 a.m. their carrier only was audible. At 7 a.m. music was R4, but very gushy.

Zeeseen was only R5 at 6.20 a.m., but increased to R9 by 7 a.m. The carrier only was heard of the 41.6 metre station. 2ME and GBX were both very good at 7 p.m. with duplex through the post office at either end.

RA97 were R8 on 70 metres and R6 on 35 metres, first harmonic.

KIXR were tuned in at 8.30 p.m., when they gave the time as 5 p.m. and were signing off till 6 p.m. Strength was R7 with plenty of static and morse QRM. At 9.30 p.m. volume had decreased to R5.

Thursday, April 24.

THIS was a poor day for reception, most signals being weak and mushy. 5SW inaudible at 6.10 a.m. R5 at 7 a.m., but very gushy. Zeeseen, R5 at 6.20, increasing to R8 by 7.30 a.m. 2ME and GBX were good strength at 8 p.m. but not so clear as usual. KIXR was weaker than usual, while RA97 was swamped by static.

Friday, April 25.

PCJ was not tuned in till 7.15 a.m., when they were R8 with plenty of static and mush. They signed off at 7.40 a.m.

Zeeseen at 7.30 a.m. was R.8. GBX and 2ME were both R9 at 7.15 when the telephone girls at each end were talking about the weather, etc.

5SW at 7.20 a.m. were R7-8, very gushy. The Greenwich time signal was heard at 7.30 a.m. It was announced that G5SW would be on the air on Saturday from 1800 to 2300 G.M.T. An organ recital came through fairly well after 8 a.m.

W6XN was R5 at 2 p.m. with the "Baxwell Coffee Hour" till 2.30 p.m. This was followed by the RCA and Victor C. How. Volume reached R9 by 5

p.m. W2XAF was fair volume, but was troubled with a background of noise.

WSXAL at 4 p.m. were R8, and, except for slight gush and static, quite good. WSXK signed off at 4.43 p.m., being R7 at their best.

RA97 was almost free from static at 8.30 p.m. when tuned in. An orchestra was quite good at R9. This was followed by the news of the world as regards revolutions, woollen mills strike, Communist activities, etc., by a lady talking in English. She concluded by giving the call as "This is station RB16, Khabarovsk, on 70 metres." The call was repeated in English and then given in Russian, after which that language only was heard.

KIXR, with Victor recordings from 9.30 p.m., were excellent at R8-9, except for slight slow fading.

Saturday, April 26.

STATION PCJ was perfect from 6 a.m. till 7.30 a.m., being R8 at first, decreasing to R7-8. 2ME and GBX on duplex at 6.10 a.m. were R9 and R8 respectively.

The 41.6-metre station was R3 at 6.20 a.m.

5SW was quite good at R9 when tuned in at 6.10 a.m. A talk was in progress about allotments and smallholdings. Every word was clearly readable. The musical programme commenced at 6.15 a.m.

Zeeseen was excellent at R9 from 6.30 a.m. with orchestral items. PCJ was very poor during the afternoon; R1 at 1 p.m., with a very slow increase to R3 at 4.30 p.m. After this volume increased more rapidly, but quality was poor till the conclusion at 5.30 p.m., by which time volume was R8-9. Signals were gushy all through the transmission.

W2XAF from R1 at 1 p.m. increased to R9 by 4.30 p.m. The last hour's programme was from the Hotel St. Regis, New York City.

W2XAD with the same programme as W2XAF was R3 at 1 p.m., increasing

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to R4 by 1.30 p.m., after which they slowly decreased, being inaudible by 3.30 p.m. NRH was very rough at R4. They closed at 3.30 p.m.

W9XF: Their carrier only was heard. W3XAL was quite good except for slight gush, being R5 at 4 p.m., increasing to R7 by 4.15 p.m. They signed off at 5.35 p.m., when strength was down again.

W2XE was just audible at 4.30 p.m. On about 44.2 metres an American was calling and talking to London at 4.30 p.m., R5.

KIXR at 10 p.m. were very gushy at R5.

RA97 was R9 at 10 p.m., static being medium.

Short-wave News From America

STATION CJRX, Winnipeg, Canada, after a silence of almost four months, is now back on the air daily (except Sunday), from 23.30 Greenwich mean time onwards, broadcasting for a period of several hours. They are always R8 to R9 here, at a distance of approximately 1500 miles. During the time they were off the air they were transmitting through VE-9-CL, which is another one of their experimental stations.

This station was very poor here. The call book says that VE-9-CL was on 49 metres, but in fact their actual wavelength was more nearly 53 metres. CJRX uses 25.6 metres. In the "Round the World on Short-wave" page of the "Radio Record" of February 7, 1930, I noticed a question asked by Mr. Sellens about the identity of station WOO which was heard by him on 23 metres. He states that this station is not in the call-book. This is a new transmitter owned by the American Telephone and Telegraph Co., and is located at Deal, New Jersey, U.S.A. It is used for working the steamships Majestic, Olympic and Leviathan. It uses the following wavelengths: 23 metres, 34.74 metres, 46.5 metres, and 72.87 metres.

The short-wave transmitter of WENR in Chicago (W-9-XF) will now be found also on 25 metres in addition to their 49 metre wavelength. The trans-Atlantic 'phone station in the New York and London circuit (WND) will also be found

on 44 metres occasionally after 24.00 G.M.T. Another Canadian short-wave station that has been on a great deal lately and is new is VE-9-AP, on approximately 46.5 metres. It has been broadcasting after 2.00 G.M.T., and is owned by the Canadian Marconi Company at Drummondville, Quebec, Canada.

I have never seen a report of reception of W-2-XE on 24 metres in the columns of the "Record." They are on daily on this wavelength, but not so very loud here on account of skip effect. A station heard here at good volume is the new Dutch station PGV at Kootwijk, Holland. This station is very close in wavelength to PHI. It will be used for telephone communication with Java. It uses 80 k.w. power on 16.82 metres. It is just between PHI and PLF.

W-3-XAV in Philadelphia is on daily until about 22.00 G.M.T., on 31.2 metres, and is very loud here. I have also heard W-6-XN on 17 metres lately. I have been hearing the tests going on at the present time between VK-2-ME, 2-XAF, and the New Zealand stations 2YA and 4YA. I have heard 2YA and 4YA talking to W2XAF through VK2ME. I also have heard VK2ME re-broadcast 2YA. I get 2ME at good loud-speaker strength here around 11.00 to 13.00 G.M.T.

I would greatly appreciate any information as to the identity of an Australian station which was broadcasting on approximately 31.5 metres on the morning of February 28, 1930. When I first tuned in on them they were broadcasting from a theatre in Sydney, and someone had just concluded making a speech. I was unable to get the call letters. On the morning of March 3 I also heard this station, which signed off in a few minutes after I had tuned them in. I heard a woman sing "Ave Maria" and "My Old Kentucky Home." After this they signed off, and again I was unable to get the call letters owing to interference from automobiles passing my house.

I heard on this occasion that it was hoped that Admiral Byrd would hear the programme. These times of course were in the evening in Australia. I have never heard an Australian on 31 metres before. I hear 2ME on 28.5 though. I would appreciate any information on these two broadcasts from any listener who heard them. The summer months are by far the best here for reception on the shorter wavelengths (below 35 metres), and we

are now entering the period of best reception.

I note that KDKA is now on the 49-metre band, having forsaken the 62.5 metre wavelength. We do not hear much of Zeesen on 31.38 as they go off the air early in the evening (6.30 p.m.), at the time when reception on this wavelength begins to improve. It might interest you to know that PLF in Java is the hardest station I know to tune in. The wave is so unsteady. It is impossible to hear more than occasional words from PLF owing to that cause.

The signal of PLF fades very rapidly and violently at all times, and behaves differently from any short-wave station I have ever heard. This must be caused by its location, as I have never heard this on any other station, although a few months ago I heard PLG several times on 18.88 metres, and PLG did not behave like PLF. PLF acted the same way before they changed their wavelength from 17 metres to 16.80 metres. I am at a loss to explain the cause.—Fred Easter, 3353 Southside Avenue, Cincinnati, Ohio, U.S.A.

NEW Zealand shortwave listeners will be interested to learn that, owing to the development in the demand for wireless intercourse, the proposals of the Dutch East Indian Government for the erection of the new station at Bandoeng have had to be considerably extended, so that in place of the two transmitters for the Holland-East Indies traffic and one for America-East Indies traffic, there are now to be added a short-wave transmitter communicating directly with Japan, two with Australia, and one with British-India. With the additional buildings, the extra current feeders, and the increased water-cooling plant, the estimate of the cost will be increased from £12,500 to nearly double that amount.

Writing on the Wall

AT a recent relay from a sports meeting in Berlin, the Communist element got out of hand, and, resenting the commentator's deliberate omission to describe the "writings on the wall" and other features of what, rather surprisingly, turned out to be largely a Communist sporting gathering, made from the galleries and elsewhere a massed vocal onslaught on the microphone.

This was defeated by the announcer placing his hand before the microphone. In future, such an attempt will be countered by a watching-post at the station, which will be authorised to break the connection with the microphone when necessary. The first instance of this control of outside broadcasts has already occurred—in connection with an attempt made by a Prussian deputy at the first relay of the recent Parliamentary proceedings at Berlin. The Communist deputy seized the opportunity on this occasion to approach the microphone, but it was out of circuit by the time he reached it. In future all German announcers and commentators will be authorised to interrupt a broadcast at any moment an unfair attempt is made to take advantage of the microphone.

A Remarkable Claim

A New Circuit.

I HAVE discovered a means for eliminating both valves and crystals and batteries from radio sets (writes R. Cochrane, Ohakune). This device, when tuned with a condenser and 50-turn coil, has enough energy to work a speaker on 2BL, Sydney. The volume is like that from an electric gramophone. When it is working and the speaker is uncoupled sparks jump from the speaker wire to the device. It seems that I have tapped the atmosphere.

At first I thought it was a freak performance, but a week's trial has convinced me that the discovery is a permanent one. I have had all the New Zealand and Australian stations that my coil and condenser will tune. The daylight does not make much difference to my device. I will not disclose the construction of the apparatus because I am taking out a world's patent on same, but will state that it is 2ft. square, and has no moving parts. Another inexplicable phenomenon that I cannot discover a reason for is this. When one tunes a crystal set to a station it does not squeal. But with my device, when a station is located, one hears a purring noise similar to that made by a motor-cycle. This disappears when the condenser is altered.

I had a torch where I was experimenting, and I flashed the rays from it on the device and could hear clicks in the speaker. At first I thought the device was picking up wave of spark from torch battery, so I rigged up a candle and allowed its rays to fall on the device. I could still hear clicks in the speaker. There seems to be a lot of power coming from somewhere, and I am afraid to put my telephones on device. I think that it is a high-frequency detector and amplifier, but even then it must be amplifying enormously. I overhauled my aerial and earth, and everything was O.K. I ran two wires from my workshop, where I experiment, to my bedroom, and had the device going on Wellington. When this station closed down I went on to the Aussies. There is no need to switch device off because it costs nothing to run.

The only way to prevent it working when it is tuned to a station is to take the aerial off. I tried it with two earths, but it would not work, so it seems that the device must have an aerial to work. My aerial is 26 feet high and sixty feet long, including the lead-in. I intend to rig up some short-wave coils, and see how the device works on high frequency. It is very clear, and for all the time I have listened-in I have never heard static on it—not even on the Australian stations.

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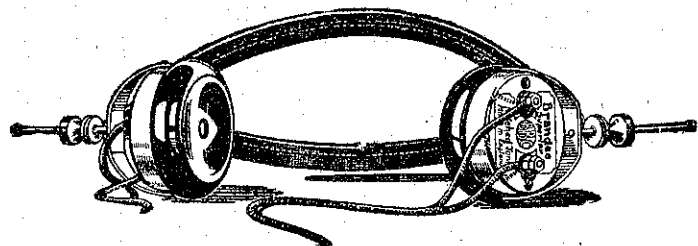
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Useful Hints

In Lighter Vein

DON'T rely on an ordinary house switch to cut off the supply from your eliminator—sometimes it doesn't!

A GREAT improvement in crystal reception will often occur if the crystal is cut in two, or chipped, and a clean surface is exposed for use instead of the old dirty one.

AUDIO transformers, especially of the unshrouded type, should never be mounted close to one another, and should always be used with their cores placed at right angles.

A GRID leak inserted between the grid of the first audio valve and the wiring to this, is useful to obviate troubles due to radio frequency superimposed on the audio. (The value of this resistance should be about a quarter of a megohm.)

FINE adjustment of oscillation is very important in the control of a short-wave set, and the use of a different valve grid leak will often give improved results.

REMEMBER that a soldered joint should always be wiped whilst it is hot with a clean cloth to remove all traces of flux easily.

A PIECE of stiff paper or blotting paper pushed over terminals, etc., before they are coated with flux, will prevent this from reaching the panel and impairing efficiency.

DO not attempt to use an ordinary potentiometer for volume control purposes, as in such cases the resistance should be about equivalent to that of a grid leak, i.e., a quarter of a megohm or more.

"All the trouble in the Garden of Eden was caused by an apple."
"No, it was caused by a green pair!"

This book gives an admirable picture of woman's life in the home during the Muddle Ages.—From a Review.

We can guess what she was up to—spring-cleaning and being a general nuisance.

The man's lips were moving, but Dick could hear nothing. He bent lower. What was the man saying?—Short Story.

His breath, apparently.

Lady recommends man as gardener, odd jobs; really bandy; would help as butler.—Advt. in a Provincial Paper.

We should hate to have a bandy butler.

Master: I am sorry that mistress is always quarrelling with you.

Servant: Don't worry, sir. I do just as you do and take no notice.

Film Manager: You must do that fall over the mountain-side again—that won't do; it must be more natural. Come up and do it more naturally.

Stage Hand: Please sir, we can't—Mr. Meier hasn't regained consciousness yet.

A man was arrested for assault and battery, and charged before the judge.

Judge (to prisoner): "What is your name, your occupation, and what are you charged with?"

Prisoner: "My name is Sparke, I'm an electrician, and I'm charged with battery."

Judge: "Officer, put him in a dry cell."



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Chancery Street, Auckland.
- ROBERTS SETS.**
- BURGESS RADIO BATTERIES,** All Radio Dealers.
- CROSLEY RADIO RECEIVERS** Harringtons (N.Z.), Ltd.,
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- CROSLEY RADIO** Abel, Smeeton, Ltd.,
27-29 Customs St. E., Auckland.
- KING RADIO RECEIVERS** ... F. J. W. Fear & Co.,
63 Willis Street, Wellington.
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- MAJESTIC RADIO RECEIVERS** Kirkcaldie & Stains,
Wellington Agents, Lambton Quay.
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LAN, KELLOGG and AT- 40-42 Willis St., Wellington.
WATER KENT SETS
- RADIOLA RECEIVERS** and Farmers' Trading Co., Ltd.,
Expert Radiola Service. Hobson Street Auckland.
- STEINITE RADIO** G. G. Macquarrie, Ltd.,
120 Willis St., Wellington.

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- CROSLEY SETS** Dobbs Bros.,
178-8 The Avenue, Wanganui.
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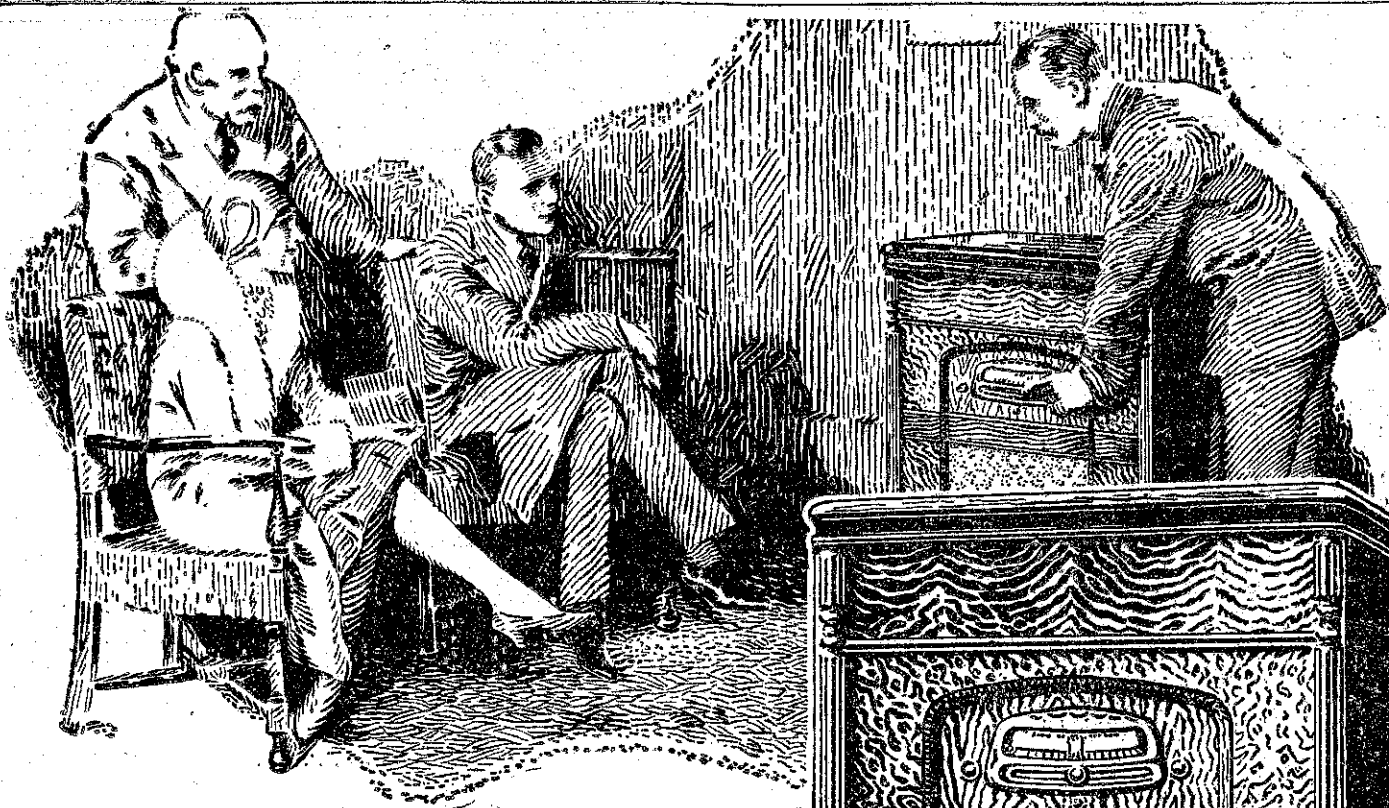
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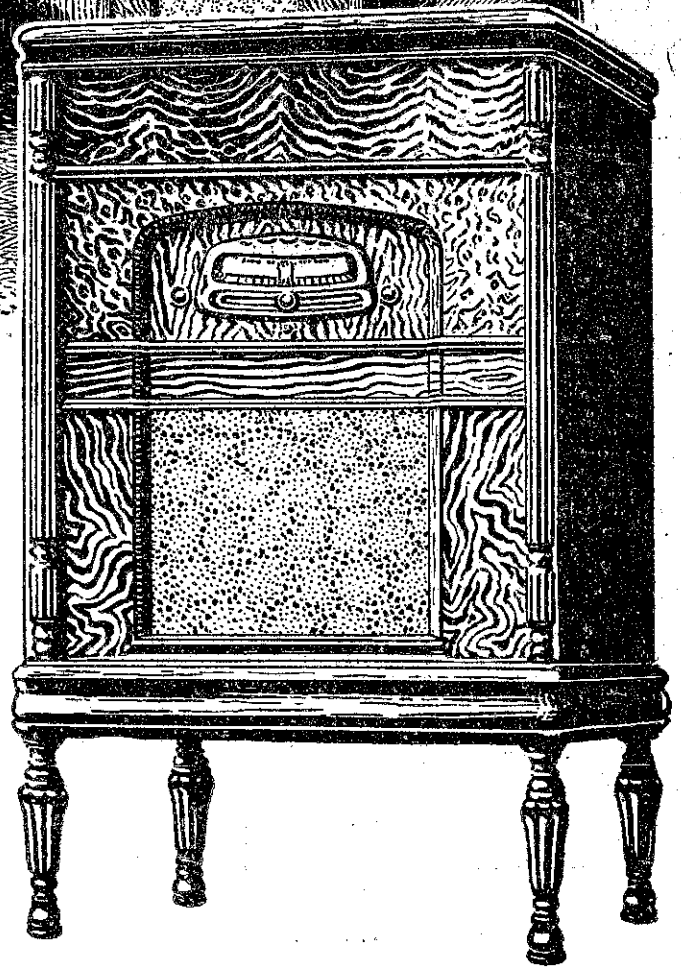
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