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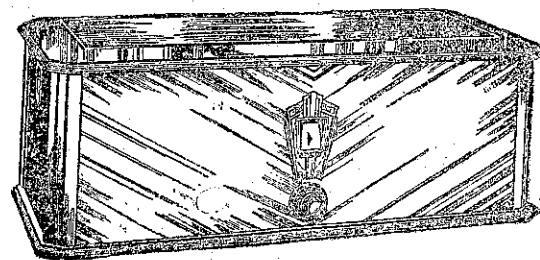
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The Flying Squad

THE value of wireless for police work has proved so great that Scotland Yard, the principal British detective headquarters, is planning an extension of its present radio organisation. The famous "Flying Squad" has been equipped with a number of fast motor-cars which are fitted with wireless to enable them to maintain constant wireless touch with Scotland Yard. By this means every district within the 700 square miles of the Metropolitan Police area is patrolled throughout the day and night and the exchange of wireless messages between the patrolling cars and police headquarters sends the cars and their expert personnel hurrying to the scene of any crime or on the track of an escaping criminal. Viscount Byng, the London Police Commissioner, recently made a secret test of the efficiency of the Flying Squad's wireless organisation. He telephoned to Scotland Yard from a call office in a London suburb and asked for one of the cars to meet him at a certain rendezvous. The car, which was patrolling five miles away at the time, reported to the Commissioner four minutes after receiving the call from the wireless room at Scotland Yard. In an appreciative commentary on the value of fast cars and wireless in the war on crime, Major T. H. Vitty, engineer to the London Metropolitan Police, related that on one occasion Scotland Yard were informed that a car had been stolen at 1.5 a.m. The facts were broadcast, and by 1.15 a.m. the thieves were caught red-handed while attempting to make their escape. It is stated that in London the arrest of 60 per cent. of the bandits and housebreakers during the last 12 months have been due to the immediate agency of the wireless flying squad vans.

Speeding Up News

RADIO has now been adapted to working automatic printing machines at widely scattered points. The device is intended to serve the purpose of facilitating the distribution of news items to newspapers. From a central bureau, all news items as collected are put out on a special wave, and those waves at the receiving points operate locked printing machines to the extent of actually working apparatus to print on sheets of paper the news received. This device has been perfected over a period of ten years, and the receiving apparatus can now be installed at a cost of £150. Application has been made to the Federal Radio Commission, U.S.A., for two specialised wavelengths outside the ordinary radio channels and commercial channels for use in connection with this apparatus. It is claimed that it is impossible for any unauthorised person to intercept the signals and interpret them. The receiving machines are locked on a definite wavelength, and cannot be interfered with when once set. This device will do away with the need for an attendant being available at the receiving point, and the machine in effect becomes a radio tape machine on an improved basis.

Topical Notes

THE London-Sydney radio telephone service recently inaugurated with due ceremony, is conducted through 2ME, Sydney and the high-power shortwave station at Rugby. An Australian radio writer says:—"During the earlier tests the writer wondered what provision would be made to ensure getting the correct subscriber. At a distance of about 14,000 miles, when an exchange of telephone call-books will take about three months, it would not be very difficult to call an English number from a local telephone and find that the subscriber had been changed. The solution appeared remarkably simply after hearing some of the 'test' calls put through. For instance, the Sydney operator calls London, gives the number and exchange and name of the subscriber wanted, the name of the caller and the time the call is to take place, in G.M.T. first of all, followed by the same time in G.S.T. (a.m. or p.m.), and the local Sydney time as a triple check so that very little is left to chance. Each call is prefixed with a serial number and is confirmed as soon as the subscriber has been located in England."

THE London-Sydney shortwave public telephone service is being conducted so as to provide a maximum number of hours of communication at a period which will coincide with daylight at both ends. Thus the service will work for about three hours in the early morning and three hours in the late afternoon in Australia and England.

MUCH credit is due to the author of the amusing verses on radio at a farm, taken from "The Exporter," read out from 2YA, Wellington, on a recent evening. The rural versifier displayed undoubted talent which he should continue to employ.

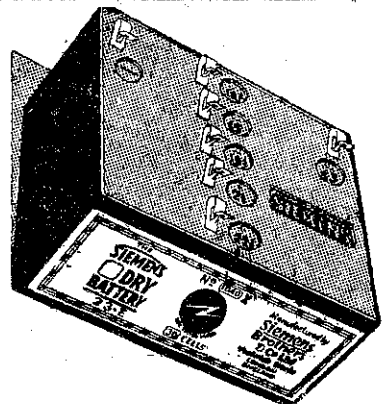
THE Melbourne "Listener In" publishes the following useful hint:—"In short wave receivers, a.c. hum may often be troublesome, even though the set be battery operated. Wherever a.c. carrying leads are installed near a receiver, be sure that they are twisted together. Failure to do this will result in very bad a.c. interference. A faulty earth connection may result in bad a.c. interference. Interference of this kind will prevent the satisfactory reception of weak short wave phone transmissions."

SHORTWAVE enthusiasts may be interested in the following hint published in an Australian radio journal:—"An experiment worth trying while listening to an overseas phone station is the earthing of the opposite end of the receiving aerial. In many instances this has been found to improve reception considerably." This is a rather unconventional plan, but someone may like to try it.

Radio Listeners' Guide, 1930 Edition.
Dealers and Booksellers 2/6, posted 2/9.
P.O. Box 1032, Wellington.
Available next week.

Publicity in England

THE New Year has opened auspiciously in England for the radio trade and for broadcasting in general. In the week from January 12 to 18 a tremendous publicity campaign, boosting the advantages of radio as a home entertainment, was staged, with the backing of all the trade associations, the Press and the listeners' organisations; and during the period vast sums of money were spent in a mass endeavour to reach a worth-while proportion of those homes which are still without radio. The spirit of the whole movement could be summed up in the terse slogan: "Go home and listen" which was featured on posters and in advertisements and window displays, all drawing attention to the special "star" programmes which were put on throughout the week. Names which meant much in the realm of popular entertainment were "billed" in every town and village throughout the country, and with them was coupled a strong intimation that these items could be enjoyed by radio. The movement resulted in a general brightening-up of radio in England, and both the radio trade and the B.B.C. profess themselves quite satisfied with the sudden increase in both radio sales and license numbers.



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A Peep into the Great Unknown

"Outward Bound"—a dramatization of the hereafter—from 2YA

A Production of
Mr. Victor S. Lloyd

"Outward Bound" is a thought-provoking play, full of profound truths, but this does not mean that it is dull or unentertaining. On the contrary it is full of intensely dramatic moments which will hold listeners by their emotional power, and these are relieved by passages of comedy. "Outward Bound" will make listeners think, it will make them laugh and, perhaps, shed a tear or two, but, above all, it will certainly interest them.

Reproduced herewith is the scene of the play. Several of the characters mentioned in the drama may be seen in the photograph.



The Producer of "Outward Bound"—Mr. Victor S. Lloyd, who has many broadcast plays to his credit.

RADIO plays are now firmly established in the favour of the listening public as one of the most enjoyable forms of broadcast entertainment. Their popularity is, no doubt, due to the fact that, unlike most other forms of broadcast matter, it is necessary to pay close attention from the beginning if one is to enjoy it. It is impossible to read the evening paper and listen to a radio play as well.

It is not generally realised that this type of play is much more difficult to produce than a stage play. For example, in the latter both the visual and aural senses of the audience are appealed to, and little is left to the imagination. In the broadcast play, however, no matter how well produced, the only possible appeal is per medium of the ear. Thus, though this is only one of the number of serious disadvantages existing, it may be quite easily seen that to render a play over the air successfully is a difficult undertaking.

The production of such a play is by no means an easy task. In the first place a suitable atmosphere must be created—one that is sufficiently striking to arouse and grip the attention of the listener. There are no stage

settings, dramatic entrees, or the like, the atmosphere must be created by sound effects or by a vivid introductory description of the play scene. The listener must visualise the setting, his powers of imagination, and upon the facility with which this is accomplished depends the success of the play.

ONE of the most striking and effective plays ever written for radio is "Outward Bound," a life-after-death drama which is to be presented on May 19 from 2YA by Victor S. Lloyd and Company.

This play is totally different from any other ever written. It deals with the problem of life after death, and its strangely-assorted group of characters are all wonderfully drawn. It is a

play which makes large demands on the ability of the players. The entire action takes place on board ship, and it is an extraordinary ship; without captain, without port or starboard lights, without an engine-room and without a crew, save for Scrubby, the smoke-room steward.

The passengers consist of a young "drunk," a clergyman, the head of a large business, a hyphenated woman of the world, a charwoman, and a strange young couple. The young "drunk" discovers that they are all dead and travelling to heaven and hell. At first the other passengers think his remarks are merely alcohol-inspired ravings, but when they find that he is right, their reactions to the situation are such as will grip listeners with their trueness to life.



Tom (terrified): Where—where are we sailing for?

Scrubby: Heaven, sir (pause) and hell too (pause) it's the same place, you see.

Act 1—"Outward Bound."

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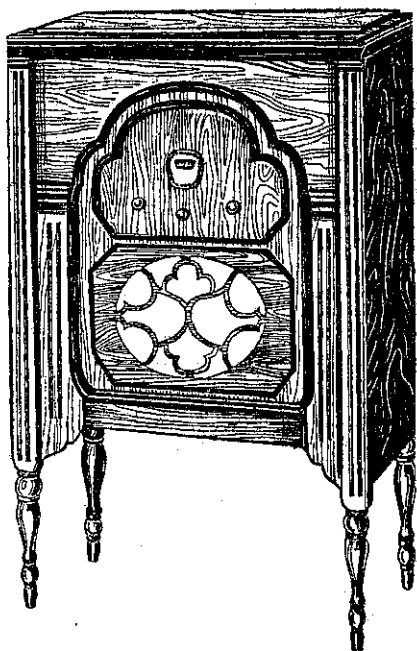
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Children's Sessions

From 1YA.

TUESDAY, MAY 20: As well as Uncle Dave telling stories, cousins have solos and recitations, and Cousin Ross will play his banjo.

WEDNESDAY: Stories, jokes and songs from Uncle Tom, and Cousin Rena helping to fill in the hour with her bright songs.

THURSDAY: Songs from Cousin Kirk, piano solos from Cousin Reg, and stories and puzzles from Peter Pan.

FRIDAY: Nod and Aunt Jean will fill the Happy Hour with stories, song and birthday greetings. Cousins will also be present with bright items.

SATURDAY: Hurrah! The Farmer's Boy present with the song that the Radio Family love so well, as well as other songs of a jolly nature. Cinderella at the "mike" with stories and a talk on Empire Day.

SUNDAY: Children's Song Service conducted by Uncle Leo, assisted by Dock Street Anglican Sunday School.

From 2YA.

MONDAY, MAY 19: Uncle Jeff will be here to-night with his puzzles, stories, riddles, and birthday greetings. Cousin Louie will play "Rustle of Spring," and the Buckle Street Convent School will sing choruses. There will also be a little play called "Queen of Hearts," acted by pupils of Isobel Halligan.

TUESDAY: Uncle Jim and Cousin Bileen will bring the 2YA Children's Chorus to sing. The Joy Birds have also promised to be here.

THURSDAY: Uncle George will be here with his "Happy Song," and Cousin Marjorie is again dancing a clog dance. Cousins Betty, Jean, Edward and Pat will also be here.

FRIDAY: The Story Book Lady and Big Brother Jack will read fairy tales. Miss Rose Carte will bring her pupils to recite and Cousin Bob has promised to bring his mouth-organ symphony.

SATURDAY: Uncle Toby will send birthday greetings. The Sunshine Trio are coming to play, and Cousin Roma will tell all about "Pooh-Bear in a Tight Place." Cousins Edith, Jean and Agnes will also sing and play.

SUNDAY: To-night the Children's Session will be conducted by Uncle George, assisted by Taranaki Street Methodist Church Children's Choir under the Rev. Richards.

A New Service

A COMPANY in Sydney which gave public displays of the broadcasting of fixed pictures at the Sydney Electrical and Radio Exhibition has announced that it will soon put a regular service on the air. The receiving apparatus can be attached to any valve broadcasting receiving set. When a picture is about to be transmitted an announcement is made and instructions for the starting of the clock-work mechanism of the picture receiver are given. After that the process is entirely automatic and upon completion of the picture no further treatment is necessary.

"ELIJAH"

THE really great oratorios can be numbered on the fingers. There is no doubt that Mendelssohn's "Elijah" is one of the greatest. It is an admirable example of the composer's inspiration in oratorios. It is as richly devotional as it is noble and tuneful in melody. This masterpiece is to be given by the Dunedin Choral Society on Tuesday, May 20, in the Town Hall. The production of soloists, chorus, orchestra and the organ may be looked forward to with confidence, for it will be given with new force, vividness, heightened exaltation, and its glory intensified. Over three months' hard work has been spent on the chorus of 160 voices under the very thorough conductorship of Mr. H. P. Desmoulin. The soloists are a very good choice, viz.: Miss Eva Scott (soprano), Miss Gwenda Burt (alto), Mr. Mr. Alfred Walmsley (tenor), and Mr. W. Watters (bass).

The pictures are permitted to dry naturally and if not directly exposed to strong light such as sunlight will last for years. When a picture is being transmitted it can be "heard" upon the loudspeaker and sounds like a succession of shrill whistles with other sounds of varying intensity and character between them.

Half a Century Ago

FIFTY years ago the British Museum authorities decided to adopt permanently electric light in the famous reading room. The lamps were provided with suspended glass trays, to catch red hot carbon spots falling from the lamps! What would our Power Board inspectors have to say to such lamps to-day, we wonder, and in such a treasure house, too.

Christchurch News

A MEETING of the 3YA Children's Sessions Advisory Committee was held on Monday, May 5, Mr. D. E. Parton (representing the Y.M.C.A.) presiding. There were also present Mrs. D. James (Welsh Society), Mrs. A. J. McLaren (National Council of Women), Mrs. J. Schenkel (Mothers' Union), Mrs. R. Tomlinson (Society for Protection of Women and Children), Miss M. Hall (Children's Ses-

sion Organiser-secretary), Mr. W. A. Rumbold (Headmasters' Association), Rev. F. Rule (Presbyterian Orphanages), Mr. J. Ball (Editor-Announcer), Mr. C. S. Booth ("Chuckie").

Mr. Parton was re-elected chairman for the ensuing year.

Very satisfactory and encouraging reports on the work accomplished and on the proposals for the future were received and discussed.

The Optimists Entertain

2YA Children's Session

THE Optimists staged a delightful programme from 2YA on Thursday afternoon last. All was stir and bustle as they gathered to take a trip to Nursery-land by the fairy train. Of course, Aunt Molly was invited and Uncle George. What party would be complete without them? And equally, of course, they took the radio children along, too. Such fun, waiting for the train, when Uncle Len simply insisted on everyone present joining Albert Russell's "Good-morning" club. He explained that you have to smile and say "Good-morning" to everyone you meet, the butcher, the baker, and the candle-stick maker; but it must be a cheery "Good-morning," none of your half-hearted "Here's another day to be got through somehow" sort of "Good-morning."

Naturally, the Optimists were only too pleased to enrol—just the thing they're always doing, going about cheering people up—and what a cheerful "Good-morning" they gave, when they showed us how to say it, although it was afternoon.

It was not long before the fairy train was heard in the distance, and soon all were aboard, the Optimists gaily singing, "Here we are! Here we are!" as they embarked. Of course, the Optimists sang all the time. First "Early in the Morning," and then, when a hold-up was experienced on the way, that, too, was made subject for song, "Fairy Bridge Has Broken Down," and we heard the story of the lad who thought he could, "I can't, I think I can, I knew I could."

Great excitement, vocally and musically expressed, as Nursery Town was reached, and all the familiar nursery characters inspected, to the tune of "Little Bo-Peep" and other nursery rhymes. Uncle George, sending the birthday fairies off from Nursery Town, was interrupted by a suppressed scream from Aunt Molly, as she saw a mouse. The pussy cat who looked at a queen was called, and the mouse ran up the clock to music. Then with a song, "Heigh-ho! Come to the Fair," from Uncle Harry, everyone proceeded to do so. The time passed all too quickly with the delightful songs and music from the Optimists, and we were all very sorry when it was time to take the fairy train again for home and sleep.

Dance Music

SEVERAL Wellington listeners have mentioned to "Switch" that the Australian programmes contain far too much dance music and talk for their liking. As a rough impression the writer is inclined to believe that compared with other days the trans-Tasman stations do seem to indulge in more dance music and talk items. Whether Australian listeners approve of the programmes or not is what matters, and we New Zealanders cannot be considered for a moment.

NOTES and NEWS from the NORTH

IT is hoped to be able to arrange for the Auckland Watersiders' Silver Band to broadcast regularly each month from 1YA, beginning in the near future. This band has broadcast previously, but not for about two years, and will be welcomed back by listeners who remember hearing it over the air in the past. As is well known, band music is one of the most popular types with the average listener.

AN artist of exceptional merit and of some novelty is Barend Harris, bass baritone, who is to sing from 1YA on June 3, 6, and 12. Mr. Harris, who comes from Australia with a big reputation, specialises in Hebrew music.

THE talk on "How to Become an Amateur Transmitter," which was to have been given by the Auckland Radio Society on May 5 by Mr. H. B. Arthur, has been postponed, and will now take place at the Leys Institute, Ponsonby, at 8 p.m., on Monday, May 19. It is stated that there is a possibility of this society giving another concert from 1YA, as they did last year. The next concert, if it eventuates, will be well rehearsed, and not so impromptu as the previous one.

THE concert organised by the Rev. Jasper Calder, and given from 1YA on Wednesday last, was quite a merry affair, and went off very well. In between items the results of the

Parnell by-election were announced to listeners, and later in the evening Mr. W. P. Endeau, the successful candidate, spoke for a few minutes.

THE first of a series of special half-hour recitals, given from 1YA on Friday, May 2, was a success, and was well received by the majority of listeners, many of whom wrote or phoned their appreciation. Such recitals do much to break the "scrappiness" which is otherwise apt to creep into programmes. Three very talented musicians have been engaged for the next recital, which will be given on June 13. They are Signor Torzillo, harpist, Miss Amy Hansard, L.R.A.M., mezzo, and Miss Lillian Chalker, pianiste. Miss Chalker last year received the gold and silver medal of the Trinity College of Music. At future recitals of this type it is hoped to include gramophone records of orchestral suites which, owing to their length, would be difficult to give at any other time. For the recital on June 13 the suite "Carnival of Animals," by the French composer Saint Saens, has been chosen. This will take about half-an-hour to play.

A NUMBER of interesting talks are set down for delivery from 1YA during the next few weeks. As previously announced, two series of educational talks will be given by Mr. N. M. Richmond, Director of the W.E.A., and Mrs. Crane is at present giving a series

on Women and Health every Tuesday afternoon. Mr. J. F. Montague, well-known as a director of the Comedy Players, is shortly to commence a series of lecturettes on Maori pronunciation. Mr. Montague could talk Maori before he knew English, so he is well qualified to lecture on this subject. Incidentally he gave a series of talks on the Maori language about four years ago, that being his first introduction to 1YA listeners. Another series to commence soon is to be given by Mr. Alan McSkimming, who will talk on "Voice Culture, Ancient and Modern." Mr. Adolph Kohn, of the well-known Auckland firm, will give two talks on May 27 and June 10 on "Timepieces, Historic Gems and Jewellery Manufacture," all of which subjects he knows from A to Z.

IN charging a man with bookmaking at the Auckland Police Court the other day, it was stated that his house contained a powerful radio receiving set. The police contended that this was evidence that he carried on business on extensive and up-to-date lines, the set being used for getting race results expeditiously.

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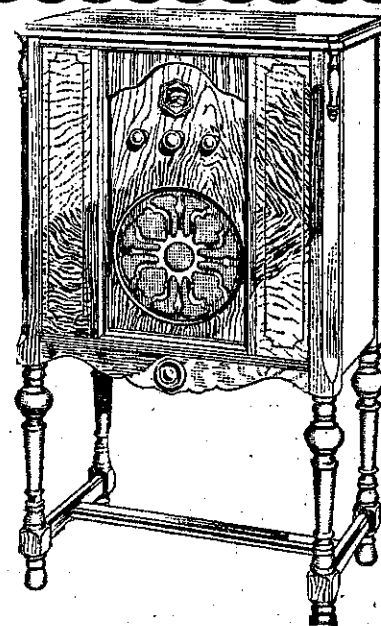
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—AND—

Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

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

WELLINGTON, FRIDAY, MAY 16, 1930.

EDITORIAL NOTES.

CONSTANT and interesting developments are taking place in the arena of British broadcasting. The service that has been given over recent years has steadily expanded and reached a pitch of perfection which now commands the general admiration of listeners and all interested in radio broadcasting. There have, of course, been periods of criticism, but the policy pursued has been so thoroughly sound that this criticism has but served to emphasise the general quality of the programmes.

The chairman of the Board of Governors for many years was Lord Clarendon, and ably indeed did he discharge his functions. The necessity for finding a successor to fill his place recently proved the occasion of some little discussion in Britain. One suggestion made was that Sir John Reith, the able Director-General, should himself become chairman of the Board of Governors. To this exception was taken by influential critics, and we think rightly so. In discussing the point, the "Saturday Review" put the matter thus: "The B.B.C. is too vital an element in our public life of to-day for it to be released from all safeguards. Sir John Reith is an admirable administrator and one who has the ethical interests of the public at heart. But it is essential that the chairman of the governing body should have no concern with the administrative cares at Savoy Hill, and that he should constitute a court of appeal in the many differences which are certain to arise between the highly intellectual staff and their highly ethical director." That states the question very well indeed, and it may be taken as certain that some one of those brilliantly qualified and distinguished public men in which England is so rich will be selected to succeed Lord Clarendon.

Following on this comment, the "Saturday Review" adds a few sentences which in their way are illuminating. "The B.B.C., as is inevitable," it says, "is exposed to all the odium which assails the possessor of a monopoly. Yet it must be admitted that it provides the British public with a service far better than that furnished either by the dullards at Königswusterhausen, for hiccups of Hilversum, or the bright advertisements of Eiffel Tower. We do not wish to see any alteration in the staff or direction at Savoy Hill. But we do wish to see someone appointed as chairman who will be in the position to dominate both the staff and the critics of the staff, and to see the wood above the thick and prickly trees by which it is to-day encumbered." This is a fine tribute indeed to the standard attained by the British Broadcasting Corporation. It shows that the foundation on which the service was built—with all payments by the public under license—is sound indeed, in that it relieves the service from the stigma

of dependence upon advertising revenue, and places the responsibility upon the administrators of giving the public the fullest possible effective service in news and culture.

Over recent years the mechanical side of the B.B.C. service has been remodelled in the direction of providing monster stations at some seven points throughout Britain to operate on two wavelengths. The purpose of this is to provide alternative programmes to permit of listeners making a selection of the matter to which they shall devote their attention. On one wavelength is given a programme of one calibre, and on the other a programme of another. Thus those who appreciate solid and classical matter can make their choice, while those who revel in jazz and light-hearted frivolity can gratify their hearts' desires. This programme became effective as from March 9 last, and it will be interesting to see just how effectively it appeals to the public.

One phase of British programmes, the conversational interview, was discussed over the air. To avoid the monotony of a definite statement from one authority extended over a period of, say, fifteen or twenty minutes, the policy now is to secure two performers both of some note, and allow the subject to be elucidated by discussion between the two in the form of question and answer, idea and counter-idea. This is a bright development which has already been adapted in some phases to New Zealand. Another feature of note is the greater use which is being made of gramophone records. The efficiency of reproduction is now so great that very extensive use is permissible of records. This factor has already been emphasised to New Zealand audiences, and as further developments are made it will be possible for even greater use to be made of records of classical import.

"Son of Peter"

"Did You Get That One?"

A Producer's Success

ON Page one is a photograph of Mr. Victor Lloyd, whose voice and skilful presentation of plays have delighted listeners from 2YA for many months past. Probably no performer from that station has established a more interested and appreciative public than Mr. Lloyd. Special interest will therefore be felt on the part of listeners in the fact that the first novel from his pen has just reached New Zealand. This is entitled "Son of Peter" and is published by the well-known publishing house, Eveleigh Nash Ltd.

For his theme Mr. Lloyd has made a study of a strong-minded aggressive Yorkshire business man of the second generation who expands his father's small group of boot stores into a magnificent series of chain stores, covering all the foot needs of the feminine public. Himself a Londoner well acquainted with the pressure of the business and advertising world of that city, Mr. Lloyd has brought to his task an intimate knowledge of his subject and a clarity of literary expression that are at once effective and delightful.

Psychologically Mr. Lloyd's study is interesting and justifies the statement that his work is one of the most effective first novels published in recent years. The story is gripping in its portrayal of the business evolution of the principal character. It is appealing in its revelation of the price paid in the loss of humanity by undue devotion to business. The hero marries—giving to that important action just as much thought as to his lightning decisions to expand his business. A few nights of honeymoon show him his ghastly mistake. He has married a charming French girl, intelligent, cultured and feminine, but built for love

THERE are dangers and perils to announcing, just as there are in other walks of life, so the broadcasting narrator found when 3YA set out to describe the recent street celebrations held by Christchurch students in honour of Capping Day. The main portion of the proceedings took place on the balcony of a hotel in Cathedral Square, which was the cynosure of all eyes and of many other things.

Precautions had been taken to protect the microphone with a water-proof covering, but there was no protection for the announcer, Mr. J. Ball, who successfully dodged all the misdirected fruit and vegetables, until, just at the end of the proceedings, an over-ripe tomato hit him fairly with a loud "plop," which all listeners must have heard. "Did you get that?—well, I did," said Mr. Ball, as he continued with his description, as imperturbable as ever, wiping the remains of the tomato from his face.

and dominated by love. John is on a different plane. Not greatly concerned with women at any stage of his life, he can be constant only to one thing—success in business. So they drift, and in the drifting effective analysis is made of his psychology and telling indication given of just what tremendous consequences follow from small impulses and opportunities. It is the little things that sway life more even than the big things.

Definite congratulations are to be given Mr. Lloyd upon his first volume. It constitutes a gripping and interesting story. It is understood that already Mr. Lloyd is engaged upon a further volume of somewhat more important character. Listeners may well hitch their wagon to Mr. Lloyd's star and enjoy perusal of his "Son of Peter." A special offer to country listeners regarding autograph copies is made elsewhere.

WHEN his Excellency, the Governor-General, spoke in Wellington Town Hall on the occasion of the reception accorded to him, he was heard far afield in North America. Listeners in the Central States and in the States on the Pacific Coast, heard him.

North Dakota received 2YA's transmission on that occasion particularly well. Colorado received Lord Bledisloe's name as "Lord Blevestock," but that is compensated for by a Britisher on the Canadian side of the border who, not acquainted with the fame of Rear-Admiral Byrd, referred to him as "some visiting Admiral." The Canadian had not caught the name when it was announced by 2YA.

On the question of announcing, an American who heard 2YA says, "The announcer was talking decided English," a very enigmatical remark which may be explained by the imperfect English of the letter and a foreign-sounding name in the signature. In another case, this time in British Columbia, when a listener first tuned in to an overseas station (which happened to be 2YA) the announcer was speaking a foreign language, but it is to be presumed that it was the reception which quickly improved, and enabled 2YA to be identified.

The furthest inland province in Canada to report having heard the Governor-General, is Saskatchewan.

A CORRESPONDENT at South Pasadena, California, writes:—

"On March 20 between 1 and 2 a.m., my wife and I had one of those thrills, which sometimes reward the ardent distance radio fan." We were fortunate enough to tune into your station, and heard every word of the speech delivered by his Excellency, your new Governor-General. His Lordship's title is the only thing we did not get. His Excellency's voice and enunciation are perfect for radio speaking, and his speech was charming in every respect. Our radio receiver is an ordinary commercial set, and we presume it is no great feat to tune-in on your station, but the clarity with which the speech came through, we could not regard as anything but remarkable.

"We heard, clearly, also the frequent applause, the 'National Anthem,' and the station announcement following. You must have a highly efficient broadcasting equipment. I have had a great desire to visit your beautiful country, since reading the description given by Zane Grey, in his book about his wonderful fishing in your waters. I expect to gratify the desire at some time."

Though the majority of the letters come from the United States, and especially from the Pacific Coast, there is great pleasure in a Canadian household when a New Zealand station is picked up. One can picture the domestic scene as disclosed by this extract from a letter:—

"My wife woke up at 2 a.m. and asked me what station it was. When I told her she said: 'I thought it was no American station. It must be English.' She lay awake till you went off the air. Enjoyed your broadcast, as also did my little girl. We get so much jazz from the stations here that one gets fed up of it. It is a treat to hear a good old brass band again. I thought for a while I was back in the Old Land. I will be listening for you again every week-end."

A CORRESPONDENT in New Jersey reports having heard 2YA.

A RECEPTION THAT WAS DIFFERENT

Welcome to Lord and Lady Bledisloe Heard in America

SOME INTERESTING CORRESPONDENCE

He adds: "I am using an eight-tube battery set with a 200-foot aerial made of No. 4 copper wire covered and buried underground in my rear yard. I have caught a 5-watt station in British Columbia."

A PART from radio matters, some correspondents discuss other subjects. Here is an extract from an Illinois letter:

"I hope you like him (Byrd). He seems to be the type of man who prefers to accomplish things rather than talk about them, a trait admired by all English-speaking people. Every man that I have talked with that came in contact with you fellows from the Antipodes says, to use his own expression, 'that you are real guys, and if there is any more fighting to be done I hope it will be alongside you.'"

"Contrary to the so-called funny papers we are neither all rich nor all braggarts. Eighty-seven per cent. of our people have incomes of less than 2000 dollars per year. I live in the richest farming section of the U.S., that is the land is, the farmers themselves are broke. The world hears of the 500 persons with incomes of over a million a year but little of the 87 per cent. or the 4,000,000 men out of work. Unless this condition is corrected it will 'spill the beans' for somebody. I was a professional ball player in my younger days. I am now 62 years old but willing to get up at 3 a.m. any time to listen to you and have been listening to broadcast for eight years. I never write to stations in this country and will not annoy you again. Good night, everybody. Good night."

Identification Wanted.

THERE is a striking similarity between two letters just received by the Broadcasting Company, one from California, on the Pacific Coast, and one from New Jersey, on the Atlantic Coast of America, reporting reception of 2YA.

In America various competitions in long-distance reception are conducted, and radio enthusiasts in the States are continually writing to the Broadcasting Company asking for confirmation of their statements that they have heard certain stations. The correspondents supply details of what they heard as proof of their reception, and these par-

ticulars are compared with the station's log, for the Broadcasting Company replies to every letter and confirms reception when proof is considered adequate.

When a Brooklyn (New York) writer supplies the following details of a speech he heard broadcast from 2YA on March 20 there would seem to be little doubt that he was listening to the broadcast of the Governor-General's speech at the civic reception in the Wellington Town Hall:

"There are a few in the Empire that have made such progress as Wellington. I can assure you — appearing to enjoy in a small measure—a small measure, and I say this with no hesitation — (Applause.) Ladies and gentlemen, I have listened to something that belongs to you that you have not yet heard. New Zealand has been a real joy to people of London.' This was in a speech made by Lord —, from London —."

And of course there would seem to be ample proof in the following that a listener at Beverley Hills, California, also heard the Governor-General speaking:

"He was speaking at the civic reception for himself and Lady —. Parts of his speech were as follow: 'And by supporting as far as we can—. There are few in the Empire that have made such progress as Wellington—appearing to enjoy in a small measure (I do not exaggerate)—a small measure. And I say this with no hesitation—ladies and gentlemen, I have listened to

Cheering the Sick

THE Opunake Hospital has now been equipped with radio. This is a cottage institution, and money for the installation was collected from those interested, and a modern factory receiver installed, with subsidiary equipment consisting of a pair of head phones over each bed. Wellington is the best station for reception in this locality, and its regular service and performance are appreciated by inmates. Curiously enough, although the station is close to 2YB in the point of distance, reception from New Plymouth is not good, probably owing to the intervening mountain.

A Broadcasting Museum

IT was suggested by an English exchange recently that a broadcasting museum should be established. It was pointed out that the great weakness of broadcasting is that its messages live but for an instant. In short, that there is no permanent record like that of the printed word or the gramophone. Famous people broadcast regularly, but directly they have finished speaking their message is lost. So it has been suggested that when they broadcast, a permanent record should be made by gramophone or telegraphophone methods, and the copy kept for posterity.

something that belongs to you, that you have not yet heard. New Zealand has been a real joy to the people of London.' Lord — seemed to make quite a hit, as I could hear the crowd applaud his speech many times."

But putting two and two together—these two letters—the similarity arouses suspicion. The reception in California of 2YA is an almost everyday occurrence, but not so in New York and other eastern States, and when two such identical letters are received by the same mail one is justified in thinking that perhaps telegraphic rates from west to east across America are not considered excessive, especially between friends.

VICTOR LLOYD'S

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Stemming the Tide.

I NOTICE Mr. Swiney and his merry men are still keeping us amused with their anti-American campaign, and have increased their sphere of activity to include saxophones and "sickly sentimentalism," not to mention waxing very classical by the introduction of a list of names of composers whose music is only tolerated by the majority of listeners when interspersed with modern music and "American abominations." Mr. Swiney, I would commend to your notice a saxophone solo by Rudy Wiedoeft, entitled "Minnet," by Beethoven—but I forgot, your switch was in the "off" position. You must have quite a lot of fun twisting the dial to get away from screeching saxophones and nasal sounds. However, there is always Japan. Thank the powers that be for a broadminded Broadcasting Company. If you want the opinion of the masses on theme songs and talkies generally, you have only to keep an eye on the entrance of any talkie house, where hundreds pay good money to be inflicted with sickly sentimentalism, theme songs, saxophones, and everything abominable. Kill the saxophone and you cripple the majority of orchestras in the world, most of whom render the works of the composers Mr. Swiney quoted in support of his argument. No, sir, your outcry has come about twenty years too late. Do as "Piccolo Pete" suggests, get on to a dance programme and shake off the cobwebs. Graft on a rejuvenation gland composed of fox trots, and admit that it has done you good. Either that or invest in a pick-up, put in your favourite record, and imagine yourself on a station in Utopia. My cordial thanks "Piccolo Pete" and others for your co-operation.—"Attaboy" (Okato).

Congratulations.

MY congratulations to 2YA for going on the air on Wednesday last, the usual silent night, to inform listeners of the progress of the Parnell by-election. I feel sure that 2YA's action was appreciated by listeners all over the country. The relay of the Wellington Symphony Orchestra's concert was a masterpiece, both for the orchestra and 2YA for the perfect relay. In distant parts where it is not convenient to attend concerts of this nature, the relays are very greatly appreciated. I read with some amusement a complaint in the local paper of an Auckland lady who claimed that a neighbour's parrot, dog and wireless set had brought a friend of hers to a state of nervous breakdown. The chief complaint was



against the wireless set, which the good lady claimed was often going at three o'clock in the morning. With all due respect to the lady, I should very much like to meet, and see the log of the radio enthusiast who can get stations at three o'clock in the morning with such volume as to disturb his neighbours, even cause a lady to have a breakdown. 2YA's programmes (in fact the programmes from all the YA stations) are very much improved, and the time has come when the listener does not wonder if he can afford to own a set, but wonders if he could ever afford to be without a set.—"Listener No. 67165" (Hawera).

Relay Stations.

HAS the proposal to establish relay stations in the more important inland towns (which are at present poorly served by the YA stations) been abandoned?

As a listener of four and a half years standing I have hoped for a long while that the company would consider the claims of the thousands of listeners in the country who are entitled to clear reception. Instead, it seems that the already well-catered-for listeners in the cities are again to be placated with more transmissions, while country listeners are often forced to close down through static, fading, mushiness, etc.

In Hamilton, reception from 1YA is simply impossible when daylight fails, and every Hamilton listener, I have spoken to tells me that he rarely ever listens to Auckland on account of the extremely unsatisfactory reception.

2YA is the most consistent station here, but reception is almost always badly marred by fading and mushiness at all too frequent intervals. 3YA and 4YA are both worse than 2YA in fading, etc., while static is naturally much more pronounced. I don't think I am exaggerating in saying that reception

here is never perfect, and rarely is it even good after daylight leaves us.

The main Australian stations are very much steadier than any of the YA stations, and when reception from New Zealand stations has been almost impossible I have at times received the Australians satisfactorily.

The establishment of relay stations at Hamilton and Palmerston North would mean a greatly increased number of licenses, and, what is more important, the present listeners in these districts would be getting satisfactory reception in return for their license fees. I have no complaint to make regarding the programmes, as anyone who has been listening for the past four years or so realises that the progress in this department has been all that could be expected. We in the country not only have to pay the same license fees as city listeners, but we also have to go to considerable expense in procuring high-class multi-valve sets in order to receive the YA stations. I recently purchased a high-grade electric set (with which I have logged over eighty stations in eight weeks), but during that time I have never had clear reception from any of the YA stations for more than half an hour on end during the evening transmissions.

Daylight reception from 1YA, 2YA, and 3YA are all that can be desired, but very few listeners are able to do much daylight listening, especially during the winter months.

I realise that the company has fulfilled its obligations to the Government in respect to the existing stations, but I strongly protest that the hours of transmission should be increased, such as cutting out the silent nights, for the benefit of the city listeners, while country listeners are getting second-rate reception for at least 800 out of the 365 nights in the year. Will the company make a statement re the establishment of these relay stations and give us hope to expect reception above static level and those associate bugbears of radio—fading and mushiness.—Fred. R. Swain (Hamilton).

Monitoring at Fault?

PERMIT me to offer a suggestion regarding 2YA. I am satisfied from a musical point of view the excellent work of the orchestra is not producing the results at the receiving end; and with your permission I offer the

following criticism and suggestions for further improvement.

The person in charge of the monitoring at 2YA studio, quite unintentionally, perhaps, is mutilating good music and causing distortion, through lack of knowledge, and through not having a copy of the musical numbers broadcast, in front of him.

It is essential that if monitoring is to be useful, the person attending to monitoring should be a fully-qualified musician, and that he should have in front of him a copy of the numbers broadcast.

Frequently I notice a choking effect in the orchestral music; caused by the monitor preventing the full rise and fall in volume effect to go over the air. Portions marked off are choked, and it appears that the monitor wants to have the whole piece run on the same level of volume and intensity, stifling the portions that should be loud, and boosting up those portions that should be of lesser intensity.

I suggest the monitoring either be done by an accomplished musician or set the controls on the panel in the control room, and leave them alone for the session. Another disastrous matter is the frightful sameness in the tone of the orchestral items (not the fault of the orchestra or conductor, Signor Truda) but caused through acoustic properties of 2YA studio. Every orchestral selection or item sounds at the listeners' end as if they were all played in the same key. There is a tinny sound about the music; beautiful overtures come over the air as if there was no "body" in the music at all. I may say I have made complaint to the studio at 2YA even as recent as last Sunday evening, and I noticed after ringing the studio that the volume was allowed to proceed on its way through the transmission, there being an improvement. The same applies to vocal items.

Complaints have been made from various parts of New Zealand, particularly Hawke's Bay, that distortion with 2YA was noticed; possibly the distortion I refer to, as having been caused by indifferent monitoring at the studio may be connected with the distortion referred to by the Hawke's Bay listeners.

I take this opportunity of congratulating Signor A. P. Truda, conductor of the orchestra, for the excellent programme arranged by him, and broadcast on Monday, April 14. It is admitted that sacred music has a charm, and the second half of the programme was in keeping with Easter-time.—R. Leslie Jones (Lyall Bay).

Experiment 2YA.

CANNOT something be done to stop the awful mush sent out from 2YA? In this district it has become unbearable. Out of 14 days' listening we have heard only one programme. Cannot 2YA experiment with the plant certain nights; say send out the programme on 500 watts and even lower down, or experiment in some other (Continued on page 21.)

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LISTENERS are still commenting on the vivid description of the fight between Sarron and Donovan given by Mr. Aldridge through 4YA, Dunedin. Heard on relay from 2YA, Wellington, every word spoken by Mr. Aldridge rang clearly, and even some of the blows could be heard. Another excellent American rebroadcast was that of the baseball match which came over a distance of 7000 miles to New Zealand.

DURING the past week the loudest of the minor Australian stations was 2UE, Sydney, which proved a consistent performer. Wellington listeners find 2UE definitely superior to 2GB, Sydney, which was formerly monarch of the minor Australian stations. An up-country Victorian listener writes to the Melbourne Press that he can hear another station on the wavelength of 2UE, and says he can hear the stranger after 2UE closes down.

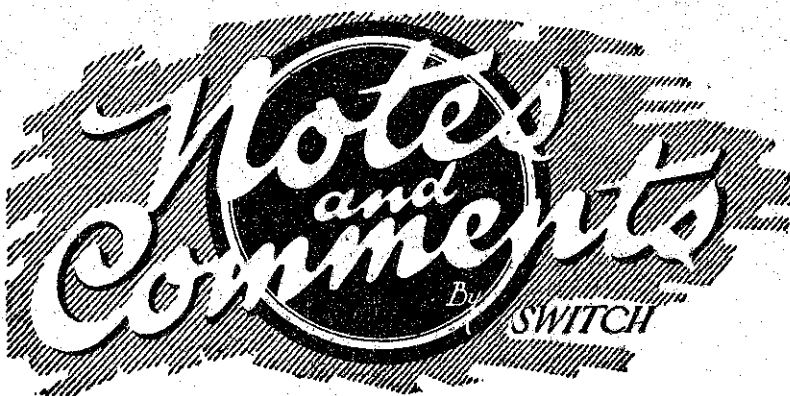
AS radio sets are not now permitted to be imported into Australia, the radio manufacturers in the Commonwealth are experiencing a rush of business. A Sydney company, which has been engaged in making talkie equipment, has now commenced the manufacture of radio sets on a large scale.

A CORRESPONDENT, "Argentum" (Karori), has forwarded a suggestion that some educational expert be secured to give an address from 2YA, Wellington, on the subject of selecting careers for boys and girls who are about to leave school. He says: "Just now, when the outlook is occasioning so much anxiety to parents, an address on the various occupations or professions, and how to enter them, would be listened to with the greatest interest."

UNSTINTED praise is due to Mr. L. J. de Mauny, conductor of the Wellington Symphony Orchestra, for the high standard of efficiency attained by that brilliant organisation. Only those behind the scenes can realise what it means to conductor and players alike to perform the superb works heard the other evening.

MR. K. H. THOW, of the Wellington office of the Standard Telephones and Cables (Australasia) Ltd., left Wellington by the Makura last week for Sydney to assist in the installation of five new broadcasting stations for the Commonwealth Government, ordered from the above company. Two of the stations, which are to have an aerial power of 2 kilowatts, will be erected at Newcastle and Rockhampton. Three 5-kilowatt stations will be erected at places not yet disclosed.

FIVE additional broadcasting stations in Australia will have a tendency to crowd the ether unless careful consideration is given to the frequencies of existing stations, including those in New Zealand. Some time back there was semi-official talk of a conference between representatives of the Commonwealth and New Zealand concerning the wavelengths of the broadcasting stations of both countries. Nothing further eventuated, however. As all the five new Australian stations will be more powerful than any existing Commonwealth stations it is to be hoped that they do not clash with any of our "YA" stations.



A WELLINGTON listener who operates a high-grade A.C. receiving set, recently observed some sparking inside his set. Instead of switching off the current promptly he continued to operate the set with the intention of discovering what was amiss. The result was that a transformer winding burnt out, necessitating considerable

repairs at its meeting so that they would not clash with those at Warrnambool. This enabled the actual running to be described from both race meetings.

THE other night a Wellington beginner imagined he had tuned in some long-distance mysterious station, and anxiously telephoned particulars to the writer. The beginner was obviously disappointed to learn that it was a small private station in the South Island. That the station was easily identified by the writer was proven by his friend's admission that it was burdened with a continuous deep note not unlike the howl of a valve. This was merely a "beat note" occasioned by the southern station's wave clashing with the wave of an Australian "B" class station.

A NUMBER of the writer's radio friends switch off their lights when listening to a radio play, and they affirm that it adds considerably to the effect. Darkness permits the listener to apply greater concentration to the play, and the majority of listeners will find it a decided advantage to put out the lights. The same thing applies to the long-distance reception, and many of the old-timers will agree that the sense of hearing is intensified through con-

centration due to darkness. Now that the up-to-date a.c. sets have illuminated dials, there is no necessity to keep the room lights switched on when listening alone.

THE cabled news of the Gloucester girl who converted her wedding present into a gift of a wireless set for every blind man, woman, and child in Gloucestershire at a cost of £10,000 will appeal to all listeners. It was a worthy deed which should evoke emulation in every country. The plight of the blind is terrible to contemplate, and nothing could compare with broadcast listening as a source of entertainment and interest for those who have lost their sight. The Gloucester girl's handsome gift provides for the maintenance of the blind people's sets for ever.

MANY a listener is grateful to the Broadcasting Company for putting 2YA, Wellington, on the air on the night of the Parnell election, so that listeners in every corner of the Dominion were able to hear the results of the polling as soon as they were available. It was an event of national interest, and the value of 2YA as the "great voice" was again exemplified.

FOR a considerable time past the "Hello Man" at 2FC, Sydney, has been giving a call each Saturday night to one of the station's oldest listeners—an elderly gentleman who was bedridden. Recently the latter died, and the following letter was received by 2FC from a member of the deceased's family:—

"I wish to thank you for the pleasure you gave grandfather in remembering him, and speaking to him over the air on various occasions, and the pleasure which he had in listening to your programmes generally. He had been confined to his room for the last two years, and the wireless meant a very great deal to him. I trust and hope that you will continue to give pleasure to the sick and the aged. I am sure it will be very much appreciated, as it has been in this case..."

Reception Table

FOR the guidance of those who wish to check their reception of the Australian stations, "Switch" prepares weekly a 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	9
4QG, Brisbane	7½
3LO, Melbourne	7
2UE, Sydney	6½
3DB, Melbourne	5½
2GB, Sydney	5½
3UZ, Melbourne	5
3AR, Melbourne	3½
5CL, Adelaide	2
2HD, Newcastle	2
2KY, Sydney	1½

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

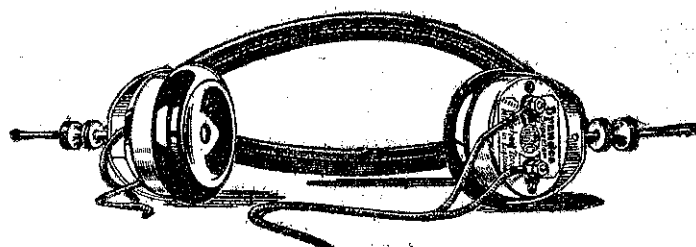
expense in repairs. On the other hand, if he had switched off the current immediately, and sent for a radiotrician the trouble would have been located before serious damage was done. The instant anything wrong is noticed in an A.C. set the current should be cut off at the wall switch.

LAST week, Dr. J. Dale, medical officer of health at Melbourne, gave a highly instructive address from 3LO, Melbourne, on "Infectious Diseases in Children." The speaker pointed out that infection spreads quickly among juveniles, especially when some are allowed to associate with their playmates during the early and final stages of sickness. The medico gave valuable advice on the precautions to be taken before, during and after illness.

EVIDENCE of the desire on the part of the racing clubs to have the running descriptions of the races broadcast is furnished quite frequently. Only recently races were held on the same day at Warrnambool and at Wagga. The turf club at Wagga agreed to alter the starting times of some of the

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Identification Wanted

THE Americans were certainly coming in well on Sunday night, 27/4/30. I received three new ones, but succeeded in identifying only one of them (WBBM, Chicago, received at very good strength and clarity. This station signed off 1.15 a.m., central standard time).

The unidentified ones were received on the following dial numbers (1-100 dial): Heard from 5.15 to 5.30 p.m., 24-234-22, about 2 degrees below Auckland, i.e., between 220 and 230 metres (1360 k.c. and 1300 k.c.); 313-31-29, about 2 degrees above 2BL. Would this be KWKH? I heard no more of it after 6.30 p.m. KFI on 640 kcs. (469m.) was well received on their midnight frolic. I would be very pleased if someone could give me the names of the two unidentified stations. They were both Americans.—L. R. Arnold (Belfast).

ALTHOUGH only a subscriber to the "Radio Record" for the last three weeks—the length of time I have possessed a set (my first)—may I say I have already derived many little useful hints from your paper. I am interested in the DX Club page, and would like to know conditions, etc., of membership. Meanwhile I submit the following to you—a difficulty or rather a mystery to me: Last night, 26/4/30, just before 11.30 p.m. N.Z. time, I tuned in hoping to hear 5CL, which I have not yet had, but which your paper informed me was now "gettable" after 11.30. Proceeding first to 2FC frequency I had excellent reception, and presently heard the announcer give his time as 10 p.m. I then went to the other side of the dial, and slowly brought in several Australian stations, 2UE, 2GB, 2BL, 3FO, 4QG (very loud), and then tried for 5CL, but only heard very subdued voices. Then, slowly turning towards 2FC again, I was almost deafened by the reception of the latter part of a well-known orchestral piece—its name though escapes me—there was a pause, in which I listened for the announcer, but the pause was of perhaps three minutes, and then again the loud music. Now it was playing lighter stuff, and with a vocal refrain, "Hi, Ho, Everybody, Hi, Ho." I held this for a brief while (time 11.50 about) and then the set went into violent oscillation. Indeed I think it cannot have been my set, as I had to shut off what little reaction I already had, and then the volume went down to minimum, and even then the howl persisted. I then proceeded to 2FC and opened up full without a blemish; I then turned off to less than half, and very gradually went back to the former position, in time to get the finish of the same tune, but almost immediately the howl began again, and I had to move off. Again I did the same thing—2FC, then back, and this time dead silence; and I got nothing more in the same spot, although I tried for nearly half an hour.

What I want to know is: Did 2YA come on then for a brief while, for the volume was about Wellington strength,

THE D.X. CLUB

Views and News.

and the dial position almost identical with where I get Wellington on my machine? If not 2YA, what was the station? I used the set on 2YA and 3YA earlier in the evening, 6.45 till just before 8, but then not again till about 11.25. The machine is an English commercial screened-grid four, and seems pretty selective. The Australian stations were remarkable on Anzac Day. I even had 2BL very loud and clear at 6.15 N.Z., as he closed down after a song (record) by Gladys Moncrieff.—P. D. L. Hudden (Gisborne).

ON Monday, April 21, I picked up a station on approximately 517 metres (580 k.c.). This station was on the air between 12.30 and 1 p.m. and also between 5 and 6 p.m. It was apparently testing, no call sign being given. Volume good, station fluctuated between 575 and 590 kc. (520 metres and 508 metres). Could any listener identify this station?—G. P. Cotter (Martinborough).

COULD any reader identify an American station on about 1080 k.c. (278 metres)? Closed down at 6.15 p.m., 23/4/30, after stated he was testing. Gave his call sign—M and address—31. The State sounded like Iowa, then asked for reports. Static was the cause of missing call sign and address, as station was a good RT.—S. G. Det. (Gisborne).

DID any listener hear a station on Thursday, May 1, at 10.15 to 11 p.m. on about 12 metres (25,000 kc.)? The announcer gave a speech in English, called "Hullo" three times, gave a call (missed by fading), and asked for reports. He then said, "I will now continue my speech in German," after which there were musical numbers.

Owing to rather bad hand capacity at such a high frequency (although the set is built in a complete metal box), I could not hold the signal long enough at a time to get the call. If anybody heard a new station on 500 metres (600 k.c.) on Thursday, May 1, it would probably be 2ZR, a new Wanganui station, which was testing on Thursday with records, and no announcements. Power is 250 watts.—"PCJ4" (Wanganui).

COULD any reader identify the following two American stations: The first comes in on about 1010 kcs. (297 metres), between KYW Chicago, and 3YA Christchurch. He comes in regularly, but I can never get his call clearly. The second comes in on about 690 kcs. (434 metres), between 2YA and 6WF Perth.

This one comes in at fair strength, but fades too much. It is not a Californian station, as the first call letter is W.

Could any listener inform me (per medium of DX column) of the address of the following Melbourne stations, which are, I presume, amateurs:—VK-3AM, approximately 1280 kcs. (234 metres), VK3RI, approximately 1220 kcs.

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.

(246 metres), VK8DY, approximately 1250 kcs. (240 metres), VK3CF, approximately 1300 kcs. (231 metres); also VK2AD Sydney, 1320 kcs. (227 metres). I have heard all these stations on several occasions, always on Sunday nights after 11 p.m.—R. Dixon (Brunnerton).

ON Friday, May 2, between 7.15 p.m. and 7.45 p.m. I heard the following items: "Indian Love Call" (from "Rose Marie"), and "You Should See My Neighbour's Daughter." At about 10.15 p.m.

I heard, "On Her Doorstep Last Night." Dial reading 58. A double call given sounded like 4ZL and 4ZM, or 4ZO and 4ZM. 4ZL dials 46, 2KY 58, 2ZF 60, and 4ZP 52.—"Incubu" (Waitaka).

I WONDER if any reader will be able to identify this station which I received on Tuesday, May 6, from about 8 o'clock till 8.50 p.m. It was heard very weak at first on approximately 715-720 kilocycles ((419 metres), but before long was badly heterodyning, with and distorting 2YA. It closed down at approximately 3.50 p.m. In between the numbers from 2YA it was easy to distinguish the type of item from this stranger—they were the well-known and quaint instruments and weird songs characteristic of Japanese music. This station was also heard after 2YA closed down at 11 o'clock on Saturday, April 27, the same type of items being heard. Is this a new Japanese testing, or the Chinese station COME, or some other station?

Anyone identifying the station called or calling, "Melbaradio" would help me as well as the others who want to know about it. I received this station on 1350 k.c.s (222 metres) on Sunday, May 27, at 8.12 p.m.. Strength was good speaker. These are the words I received: "I'll let you know to-morrow morning. Yes, I'll call you up then." "Hello! hello! Melbaradio; let us know if you are not getting this too well." Some symbol letters which included OM and BAM were used. The station then closed down abruptly.

This afternoon I was able to place a call to the station on 590 kilocycles (508 metres), which many have been asking for. It was 2ZR, but I could not get the location. I'm fairly certain of the call-sign. Would anyone knowing the location of 2ZR kindly send the address to me, or through these columns, as I have a report for them. [See letter from A. Edgcombe, Waverley, in "D.X. Topics."—Ed.] I have a verification from 1ZH, Hamilton (April 29), in which they stated that their present hours are 12-1 p.m. daily. These are to be enlarged on shortly. This station has been heard several times during this hour. 1ZH is the new call of the old 1FT, which operated on 535 metres (560 k.c.).

Static has been too bad during the last week to do any D.X. work, the local 1YA even being troubled a little with this unfortunate phenomenon. It seems to be at unusually high level for this time of the year.—Arthur E. Allen (Avondale).

DX Topics

KGU Honolulu.

ON Friday last (Anzac night) I picked up station KGU Honolulu. Several jazz items were broadcast, and this station was received quite loud on the speaker. Last night (27th) I picked this station up again, at 5.30 p.m. approximately, when the announcer was giving out the numbers and makes of different cars which had been stolen. He then closed down for two hours, and said "He would be on the air at 9.30 p.m. He gave his frequency as 940 kilocycles (319 metres). Honolulu time is exactly 22 hours behind New Zealand standard time. I expect many other listeners have heard this station, as I received this on a four-valve set.—J. E. Hewlett (Nelson).

2ZP Wairoa.

AS no one seems to have got the Wairoa station correctly, I will pass on a little information I received in a verification.

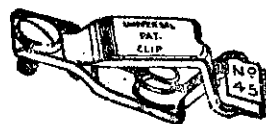
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cation from this station. The call is 2ZP, Wairoa. Address: 128, Queen Street. This station has a power of only 7½ watts, but is received by me with fair loudspeaker volume and in daylight. They are on daily from 12 noon till 1.30 p.m. The official opening was celebrated one Sunday afternoon about a month ago by a garden party on the grounds of the owner, Mr. E. A. Perry, and was received excellently here.

Could any listener identify the American on about the same wavelength as Wairoa, 365 metres (820 kilocycles)? I often hear this station, but always miss the call. One item which came through very well on 25th was "Land of Hope and Glory," but he never gave a call after, just announced the next item. Is this KOA Denver?—"M.B.S." (Palmerston North).

Disputed Call-Sign.

I HAVE noticed in your DX columns that several listeners have got the wrong call for the Wairoa station. This station's call is 2ZP, not 2ZG, and is owned and operated by Mr. Perry, Queen Street, Wairoa, Hawke's Bay. It is on the air every day except Sunday from 12 to 1.30 p.m., and every Wednesday evening.—W. P. Hart (Wairoa).

In Defence of the "B" Class Stations.

OUT of the eleven New Zealand "B" stations to whom I have written, only one has not replied, and this I must admit was a Dunedin station. I have written to four southern stations, and have received three acknowledgments. I totally disagree with "Sonora" and Messrs. N. D. Campbell and A. Stanley. These people seem to think that they have a monopoly over "B" class stations, instead of the stations being extra to choose from, and filling up the gaps when the "A" class stations are off the air.

I received 2ZP, Wairoa, on the 23rd at weak speaker strength, on a loop aerial. "Switch" places 4QG below 2BL on the reception list, but at the early stages of the evening 4QG roars in here. I see that 2ZP's power is only 2½ watts, but it is received quite well here. I have seen no mention of the station on 386 metres (778 kilocycles) lately. The call sounds like KGM—"Priess" (Southbridge).

I NOTICE with great interest the remarks passed by "Sonora" (Lyall Bay) re verification cards from Dunedin. I have sent reports to different Dunedin stations, and have had no fault to find, as I hold cards from 4ZO, 4ZM, 4ZL, and 4ZP. The only station that did not reply was 4ZB. I think "Sonora" is perhaps expecting too much of these stations, as they have a very large amount of correspondence to answer. As an instance of the time some stations take, it took VPD, Suva, just on six months to reply. My log for 18 months now totals 186 identified stations, on a five-valve neodyne and short-wave adapter. I have received 66 confirmations so far. I notice "M.W." reports hearing KPO on approximately 22 metres. I think he will find the station is KGO (WCXN) at Oakland, California, operating on 23.85 metres (12,850 kc.), using 5 kw.—A. D. Rogers (Newtown).

"B" Class Stations.

I READ in your columns lately of a station received between 2BL and 3LO, Melbourne's, wavelengths, and am pleased to state that I received this station a few times, and wrote to them for verification, of which they replied by letter with the following:—

Wairoa Radio Service. 2ZP. Wavelength, 365.8 metres (820 kc.). Power, 7½ watts. Circuit, Meisner. Modulation, grid. With compliments from E. A. Perry, certified radio technician (Govt. exam.), 128 Queen Street, Wairoa, H.B. I also read of some listeners who have not received answers to their letters from "B" class stations, and I can state that it is easily three months ago I wrote to one. I have had no answer yet. I wrote to another one about six months ago, also with no result.

I am wondering if I can be a member of your DX Club, which I take a very great interest in. My set is a four-valve factory-built one. Another station which was puzzling me and others, too, I see, was one on about 500 metres (1600 kc.), which went on and off with no announcements. I heard him close down one night, and he gave his call sign as 2ZR, Wanganui.—A. Edgecombe (Waverley).

I HAVE noticed lately reports of logging 2ZC, Wairoa. It is not that call, it is 2ZP, Wairoa. I heard this station on Wednesday afternoon at R5 to R7, time 4.5, and I listened till 4.45 p.m. I heard the call 2ZP, and have sent in a report on daylight reception. Power is 7½ watts. I have read with great interest about verifications from the Dunedin B-class stations. Now let me have a chip at them. I have received verifications from 4ZO and 4ZM only. I wrote to 4ZL twice with stamped and addressed envelope, and received no reply for nearly twenty months.

2ZM answered my letter twelve months ago by return mail. I notice Mr. Arthur Allen (Avondale) has logged in XEN, Mexico City. It is this station right enough. I heard this station at 6.30 p.m. at R6 to R7. The station call was given in English and the announcements were in Spanish. He can be heard on 2YA's silent night, providing static is not heavy. Stations identified the last fortnight are: KWJJ, KGU, WHK, WEAR, KSL, KX, WGB, also daylight reception of the following stations: 1YA, 1ZQ, 2YA, 2YB, 2ZP, 2ZH, 2FC, 2BL, 4QG, 3ZC, 4YA, 3YA, 3LO, 2UE. Time of these is between 3 and 4.15 p.m.—S. Ellis (Okato).

News from the Philippines.

HAVING received QSL card from KZRM Manila, Philippine Islands, I am enclosing full particulars of the station for any DX member who may find them useful. Long wave: Power, 1kw.; wavelength, 485 metres (620 kc.); antenna height, 300ft.; antenna, inverted L type. Transmits daily except Monday: 6 to 7 a.m., 12.15 to 1.15 p.m., 3 to 5 p.m., 6 to 11 p.m. All standard 120 deg. E. meridian time. Short wave: Power, 1 kw.; wavelengths, 25.86, 31.4, and 48.8 metres (approximate); antenna height, 80 ft., horizontal double half-wave. Quartz crystal controlled. Monday, 6 to 7 a.m., 12.15 to 1.15 p.m., 3 to 5 p.m. I received them on the broadcast band.

At approximately 12.20 p.m. I received a station transmitting on about 500 metres (600 kilocycles). QSA was R4. Statics a nuisance. Items heard: (1) Piano solo; (2) orchestral piece, with "Toreador Song" in latter part; (3) orchestral piece, "Toreador Song" again. No announcer or announcements heard. Several minutes elapsed prior to the commencement of each item. One would almost think the station had vanished. Could any DX member enlighten me? This was received on May 5. Has 3AR Melbourne changed its wave?—"Sonora" (Wellington).

California on the Broadcast Band.

I WISH to report reception of KFOX, Longbeach, California, on 240 metres (1250 kc.), on Sunday, April 27, at 10.10 p.m., New Zealand time. Closed down at 10.33 p.m. with "Good morning, everybody." Also on Tuesday, April 29, at 9.25 p.m., a station on about 510 metres (590 kc.), testing with about a dozen orchestral pieces. Every now and again someone would say, "Hello, how is that now? Any better?" He gave his call-sign as 2ZR on test, but did not mention location.—T.S. (Palmerston North).

Stations Identified

I THINK the station mentioned by Mr. Allan in his query of last week will be our new local station 2ZR, which will soon be transmitting daily from

about 10.30 a.m. to 2.30 p.m. and till 5.30 p.m. on Wednesdays. The station is owned and operated by Radio Specialties Ltd., The Avenue, Wanganui, and will use a power of about 150 watts. The items mentioned by Mr. Allan were heard by the writer on several occasions while 2ZR was testing.—"Lead-in" (Wanganui).

THE station heard by Mr. A. E. Allen (Avondale) and by myself. I logged this stranger again on Saturday, May 3, at 9.45 a.m., on 610 kc. and 590 kc. (492 metres approximately). It is 2ZR, Wanganui. They were playing gramophone records, and a lady announcer was giving the call after every fourth record, "This is station 2ZR, Wanganui, testing." No other announcements were given. They were still on the air at 12.15 p.m., when I closed down. On Friday, May 2, I logged another new station, 1ZH, Hamilton, at 12.45 p.m. on gramophone records. They signed off at 1.22 p.m. on 640 kc. (468 metres).—S. Ellis (Okato).

IN your last issue "Sonora" (Wellington) asks if the station on 356 metres (840 kc.) was 2ZC, Wairoa. I tuned in to this station at 10.10 p.m., and they were playing "The Toymaker's Dream." To-day I received his verification, with the following particulars:—2ZP, Wairoa (note, not 2ZC), 365.8 metres (820 kc.), 7½ watts, and operated by E. A. Perry, 128 Queen Street, Wairoa, H.B. Schedule:—

Daily, 12 noon-1.30 p.m., except Sunday. Wednesday, 12 noon-1.30 p.m.; 3-5 p.m., and 6.30-10.30 p.m.

Can anyone tell me the name of the station on about 250 metres (1200 kc.) on last Saturday night (26th)? The call sounded like 1ZC or 1ZP, Auckland. As regards the "B" stations, "Sonora," Lyall Bay, should withdraw his remarks regarding 4ZL, 4ZM and 2ZM. I have these three verified, but I have not written to 2ZK. Perhaps they would reply to "Sonora" if he was more polite (fancy enclosing a penny stamp!), or else he may have sent them wrong items.

I received verification card from 2HD, Newcastle, giving the following particulars: Airsales Broadcasting Co., Civic Centre, Hunter Street, Newcastle, Australia. Wavelength 212 metres (1410 kc.). I compliment Mr. Ellis on his reception, for a station verified is as good

as two identified. I have 12 New Zealand stations verified (not including YA's), five Aussies, and three Americans. Not very many. Do the Australian A class stations verify reports?—"Priess" (Southbridge).

RE station picked up by Mr. Ellis on approximately 1340 kc. (224 metres). I would like to state that I have heard this station for the past five or six months, sometimes on key and sometimes on phone. I am told that it is located on a boat owned by some Australian freezing company. To-night he called: "Hello, hello, Melbourne, Radio. VAM (or VJM). We are 45 miles N.E. of — Island." He made this call at 8.5 p.m. on May 3.

In regard to "B" class stations not acknowledging reports of reception, I have written to quite a number of American stations and have had replies back in very short time. This is not so with New Zealand ones, Dunedin, at least, 4ZM in particular, being long-winded. I have written to this station on two or three occasions, but have apparently been ignored.—R. Dixon (Brunnerton).

License Figures

THE British Postmaster-General's Department has received figures from the International Broadcasting Union which show that Great Britain has 3,025,000 licenses, Germany 3,066,000, Japan 622,000, Sweden 427,000, Austria 365,000, Canada 336,000, Denmark 325,000, Australia 309,571, Hungary 277,000, Poland 208,000, Holland 139,000, and Italy, despite its fine broadcast service and alleged prosperity, has only 85,000 licensed listeners. In the United States, where no license fees are charged, it is estimated that there are about 10,000,000 receiving sets in use.

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At the Top

WEDNESDAY night is 3YA's star turn of the week—one of those delightfully-arranged programmes which provide a soup-con of the best of most things.

One sees promise of "The Toreador's Song" from "Carmen," "Ah fors e lui," and "Softly Awakes My Heart" from "Traviata," and "Samson and Delilah" respectively, all by the Salon Quartet. Then, concerted numbers by the same artists—"Tis the Last Rose of Summer," Root's "Laughing Chorus," and a wealth of duet and solo numbers.

The remaining features will include one of Mr. Sydney Francis Hobson's attractive (which, in this case means "popular") piano recitals; and further instrumental offerings by the Studio Octet, under Mr. Harold Beck.

Set your dials for this programme!

SUNDAY

From 1YA.

Church Time—and After

THE evening service from the Strand Methodist Mission, Auckland, will be broadcast. The preacher will be the Rev. C. G. Scrimgeour and the song leader, Mr. T. T. Garland. On the after-church studio programme will appear two singers new to radio. Miss Dorothy L. Milne is the possessor of a very sweet soprano voice, particularly suitable for radio singing. Mr. William Farrow, tenor, is sure to delight listeners with his selection of two old ballads, "Sally in Our Alley," and Tom "Bowling." The Studio Trio and Miss Molly Wright, celliste, are supplying instrumental items.

From 2YA.

THE evening service of St. John's Presbyterian Church, Wellington, will be relayed. The preacher will be the Rev. J. R. Blanchard, B.A., and the organist and choirmaster Mr. C. W. Kerry. The recital to be given by the Wellington Municipal Tramways Band will be relayed from His Majesty's

FEATURE PEEPS at
FUTURE PROGRAMMES

Theatre at the conclusion of the church service.

From 3YA.

THE service conducted by Pastor J. Crawford in the Moorhouse Avenue Church of Christ will be broadcast. A relay of the 4YA concert will follow at 8.15.

From 4YA.

THE evening service in Hanover Street Baptist Church will be broadcast. The preacher will be the Rev. Tuckwell. A studio concert, to be given by the Kaikorai Band, assisted by 4YA artists, will follow. The band items will be: "La Rose de Peronne," "Silver Trumpets," "Two Hymn Tunes," the overture to "The Calif of Bagdad," "Great and Glorious is Thy Name" (Mozart), Chopin's "Prelude," and Lithgow's well-known march "Queen of the North." Miss G. Burt will sing "Sacrament," "Crossing the Bar" and "A Summer Night." Bass solos by Mr. F. C. Cooper will be "Arm, Arm, Ye Brave," "Last Call" and "Mighty Deep."

MONDAY

From 2YA.

Miss Hoyle Returns

MISS E. M. HOYLE, whose afternoon talks on "Home-crafts" were listened to with such interest last year, will commence another series this afternoon at 3.40. The subject on this occasion will be "Dennison Home Craft." A series of Talks of interest to motorists will commence this evening when Mr. T. Fahey, of General Motors, Limited, will speak on "The Motor."

From 3YA.

DERRY'S Military Band (conducted by Mr. J. Scott) will be on the air. A very popular programme has been arranged. An interesting feature of

the vocal programme will be some Gaelic songs sung by Mrs. Alice Whitehead, one of the numbers being the well-known bagpipe tune, "My Nut-brown Maiden." Contralto solos by Miss Eileen Irwin will be "Homing," "The Key to Your Heart," and "Neath Your Casement." Tenor and bass solos will be sung by Mr. W. J. Bischlager and Mr. Robert W. Rofe respectively. Humorous numbers, two burlesques, will be given by Mr. Sydney Comfort.

From 4YA.

THERE will be a W.E.A. talk at 7.40. Featured on the concert programme will be Miss Edith Harry, the Welsh singer-pianiste-composer, and Miss Jessie Shmith, of Melbourne, contralto. Miss Harry's contributions will be pianoforte excerpts from Chopin, Palm-



MISS MYRTLE LANGLEY,
a well-known 3YA artist.

gren and Liadow, as well as songs of her own composition. Miss Shmith, who is a brilliant vocalist, will sing "Angels Guard Thee," "Sylvain," and two operatic numbers. Mr. J. E. Davies, tenor, is to sing one of his favourite numbers, "Where'er You Walk," as well as two Welsh songs, in the native tongue. Miss M. E. Juriss will recite.

TUESDAY

From 1YA.

Wagner Celebration

AT 7.40 p.m., Mr. George Campbell will continue his interesting talks on "Motoring."

In celebration of the anniversary of the birth of Richard Wagner (which falls on May 22), 1YA has prepared a special programme for this evening.

Two short lecture-recitals will be delivered by Mrs. Daisy Basham, and the 1YA Orchestral Octet, under the direction of Mr. Eric Waters has chosen some very fine numbers for this even-

Watch This

FEW of us seem to be able to agree upon the somewhat tortuous question of whether programme music is too high—or too low—brow.

But most of us can (and do) join hands on the subject of plays and playlets "well put over" the air, since a large majority of listeners have expressed a liking for this type of entertainment.

On Friday night the whole of 1YA's programme is devoted to a three-act play, "The Romantic Young Lady," and as production will be governed by Mrs. Zoe Bartley-Baxter, there need be no fear for quality.

Listen for it.

ing. Miss Laura Walker (soprano) will render two numbers from "Tannhauser"—"Dear Hall of Song," and "Elizabeth's Prayer"—while Mr. Arthur Ripley (tenor) has arranged to sing "Ode to Venus" and "Lohengrin's Narrative," from "Tannhauser," also "The Prize Songs," from "The Mastersingers." Mr. Len Barnes (baritone) will contribute "The Two Grenadiers," "My Father" ("Parsifal") and "Wolfram's Address" ("Tannhauser").

From 2YA.

FOR the Man on the Land," the usual weekly talk for farmers, will be given at 7.40 by a representative of the Department of Agriculture.

The evening concert programme will be noteworthy for two unusual features, viz., the last appearance from this station of Miss Ailsa Nicol (who is leaving shortly for England to continue her studies at the Royal Academy of Music, London) and the first appearance before the microphone of Mr. Noho Toki, a Maori tenor soloist with a voice of unusual quality and an excellent interpretative sense.

Miss Nicol has done excellent work in New Zealand, not only as a competitor at musical festivals, but as a soloist on the concert platform, and as a radio artist. All listeners, who have enjoyed Miss Nicol's singing, will wish her every success in her new sphere.

Mr. Toki was at one time a prominent member of a touring company on the Fuller circuit, and his rendering of the songs of his race leaves nothing to be desired. Assisting artists on this programme will be Miss Nancy Abernethy, a young elocutionist of more than average ability, and Mr. W. E. Elliott, an artist who specialises in popular songs. The items to be played by the Salon Orchestra, under the direction of Mr. M. T. Dixon, will include the "Lustspiel" overture, a Suite "From the South," a scene from the "Scaramouche Ballet Music," and a novelty number entitled, "Around the Map."

FROM 4YA.

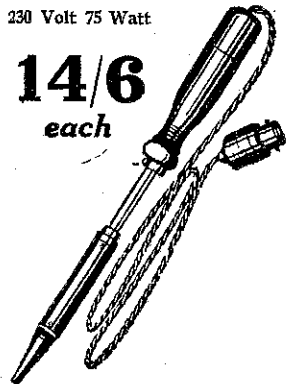
"Elijah" Oratorio

AN excellent programme is forecast.

There will be a relay of "Elijah," well-known oratoria, to be presented by the Dunedin Choral Society in the Dunedin Town Hall.

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CHRISTCHURCH.

WEDNESDAY

From 1YA.

FROM 12.30 until 1.30 p.m. a relay of community singing from the Auckland Town Hall. At 7.40 p.m. Mr. Norman Kerr will continue his interesting talks on "Physical Culture."

The Congress Hall band will supply the major part of the evening's programme. Included on their programme will be a male octet, who will sing the "Hallelujah Chorus," from the "Messiah" (Handel). There will be a cornet solo, "Silver Threads Among the Gold." Other instrumental items will be given by the popular Ingall's Hawaiians, humour on the programme being introduced by Mr. T. T. Garland.

FROM 4YA.

Farmers' Relay

AT 3.15 the Home Science Department of Otago University will talk about "Tired Husbands."

At 7.15 Mr. A. Hamilton, M.P., will speak on "Operations of the Meat Control Board." This talk will be relayed to and broadcast by 3YA as well. Both of the above talks have been arranged by the 4YA Primary Productions Committee.

The evening's concert programme at 4YA will be contributed by the Novelty Syncopaters (with vocal choruses to many of their items), Miss Olga E. Wynne (soprano), Mr. Jack Clark (baritone), Mr. B. Brown (Lauder songs) and Mr. Angus Gorrie (who will give the final of his series of talks on "Poets lost to England during the Great War.")

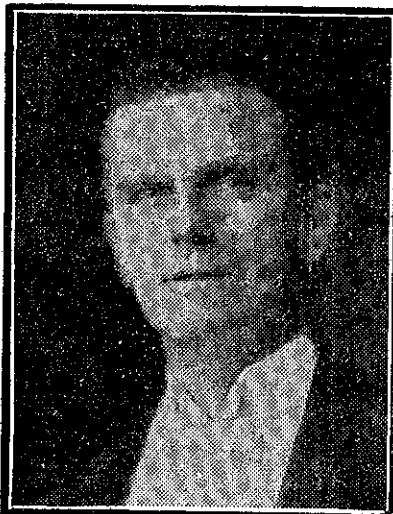
THURSDAY

From 1YA.

Pot-pourri Night

A HOME Science talk during the afternoon, and a Book Review by Mr. H. H. Driver in the evening at 7 o'clock.

The instrumental portion of the programme, and also the dance programme, will be supplied by Mr. Reg. Morgan and his orchestra, the items including a saxophone solo by Mr. E. Hoffman.



MR. LEN BARNES, baritone, who will appear from 1YA shortly.
—S. P. Andrew, photo.

baritone solos by Mr. Reg. Morgan, and a violin solo by Mr. Frank Parsons, while Mr. R. Sprowl will render a cornet solo. Another interesting topical talk will be given by Mr. A. B. Chappell and the Bohemian Duo will render Maori melodies, including "Hoea Ra," "Hoki Tonu," "Tahi nei Taru Kino" and "Mahara Ki A-u."

From 2YA.

A LECTURETTE on "Ballroom Dancing" will be given by Miss Inez Connop at 7.40 this evening. The balance of the programme will be a studio concert by the Wellington Municipal Tramways Band playing under the conductorship of Mr. E. Franklin. The band can always be relied upon to give a fine performance. The march, "The Entry of the Gladiators," a humoresque, "Three Blind Mice," a selection from "Chu Chin Chow," the poetic march "The Vanished Army," another musical comedy selection, "Floradora," and the march, "Old Comrades," will be played. Supporting artists will be Miss Nita Hopkins (soprano), Miss Marjorie Bennie (contralto), Mr. Lewis Campbell (tenor) and Mr. Claude Moss (baritone). Elocutionary numbers will be given by Miss Zena Jupp.

From 3YA.

ONE of the talks prepared by the Home Science Department of Otago University, on "Household Tasks Made Easy," will be broadcast at 3.15.

3YA's evening programme will be



MISS FRANCES HAMERTON, who will sing from 3YA on May 23.
—Steffano Webb.

essentially of a classical type, but the items will include many well-known and popular songs. The singers will be Miss Frances Hamerton, Miss Belle Renault, Mr. Russell Sumner, and Mr. T. D. Williams. Among the solos will be "Caro Mio Ben," "O Maiden Dearest," "The Erl King," "All Hail, Thou Dwelling," "Waltz Song from 'Romeo and Juliet,'" "Sapphic Ode," "Woodland Thoughts," "The Bird of Passage," "Slow, Horses, Slow," and "Down Her Soft Cheek." A very beautiful concerted number for the four voices will be Bantock's "Evening Has Lost Her Throne." Very entertaining sketches will be provided by Mr. Alan W. Brown. The programme to be presented by the Studio Octet will include four of Me-

Dowell's delightful "Woodland Sketches."

FRIDAY

From 2YA.

The "Joy Jerm's"

YEARS ago, when community singing introduced "pep" into luncheon hours, Mr. and Mrs. Albert Russell earned the sobriquet of "The Joy Jerm's," nor has the title or the spirit deserted them. On Friday night their humorous little ditties will leave the chart of items.

THE Etude Quartet and the Orchestra, under Signor A. P. Truda, will present a programme of grand opera and musical comedy. The vocal numbers will be taken from "Madame



MISS BELLE RENAUT, a well-known 3YA vocalist.
—Steffano Webb.

Butterfly," "Tales of Hoffman," "Court of Luxembourg," "Our Miss Gibbs," "The Vagabond King," "The Belle of New York," and "Der Freischutz." The items by the orchestra will include the overture "La Syrene," "A Persian Princess," "The Dancing Mistress," a concert waltz, "Je t'aime" and Mezzacapo's "Strauss March." Mr. N. R. Jacobsen will deliver another of his series of talks on "Simple Explanations of Scientific Phenomena."

From 3YA.

A POPULAR concert programme which will be followed by a session of dance music. Two of the finest male voices in Christchurch will be heard—Mr. L. C. Quane (tenor) and Mr. Robt. Allison (baritone). Mrs. Rhys Morgan (mezzo contralto) will also be singing, her items being: "Five Little Piccaninnies," "The Night has a Thousand Eyes," and "A Venetian Song." Miss Lily Kinsella, a clever little entertainer, will present musical monologues and there will be humour from Mr. George Titchener. The fingers of Mr. Les Grummit, an artist on the piano, will chase the ivories in improvisations on popular airs. Violin solos will be played by Miss Irene Morris and selections will be played by the Studio Trio.

From 4YA.

FOR the benefit of the ladies, there will be a talk on "Fashions" by Miss Buccleugh at 3.15.



MR. F. C. COOPER, a bass soloist from 4YA.
—Artite Studios.

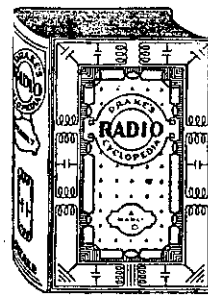
4YA's concert programme should be of a very enjoyable nature. Miss Molly Vickers (soprano) will be singing, her items being "Arise O Sun," "She is Far from the Land," and "Ave Maria." Miss Helen E. Roy (contralto) will sing "Long Ago," "Her Rose" and "In Late September." Tenor and baritone items will be sung by Mr. J. Swan and Mr. Arthur W. Alloo, respectively. Two sketches will be performed by the Winkel-Lampen Radio Players. The instrumental portion of the programme will be provided by the Studio Trio (in compositions by Hummel, Ganne, Schubert and Toselli), Messrs. Max Scherek and J. A. Wallace (Greig's Sonata for Violin and piano), Mr. P. J. Palmer (cello solo, "Elegie") and by Mrs. C. Drake (pianiste).

SATURDAY

From 1YA.

SOME very fine numbers will be given by the Orchestral Octet,
(Continued on page 21.)

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R4

Full Programmes for Next

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

Sunday, May 18

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, MAY 18.

- 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 Strand Methodist Mission. Preacher: Rev. C. G. Scrimgeour; Song Leader, Mr. T. T. Garland.
- 8.30 (approx.): National Symphony Orchestra, "Orpheus in Hades."
Soprano—Miss Dorothy Lovelace Milne, "Three Green Bonnets."
Cello—Miss Molly Wright, (a) "Romance Sans Paroles" (Davidoff); (b) "Autumn Leaf" (Wagner).
Tenor—Mr. William Farrow, (a) "Sally in Our Alley" (Carey); (b) "Tom Bowling" (Dibdin).
Instrumental—The Studio Trio, "Slavonic Dance No. 7" (Dvorak).
Soprano—Miss Dorothy Lovelace Milne, (a) "Passing By" (Purcell); (b) "When Church Is Out" (Jacobs-Bond).
Chorus—Victor Chorus, "Pilgrims' Chorus" from "Tannhauser."
Instrumental—The Studio Trio, "Scenes from an Imaginary Ballet."
Tenor—Mr. William Farrow, "How Many Hired Servants."
Instrumental—The Studio Trio, (a) "Dancing Doll" (Poldini); (b) "Barcarolle" from "Tales of Hoffman" (Offenbach).
God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, MAY 18.

- 3.0 : Chimes.
- 3.1 : Selected studio items.
- 4.30: Close down.
- 6.0 : Uncle George, assisted by the children's choir of the Kent Terrace Presbyterian Children's Choir, under M. S. C. Jack.
- 7.0 : Relay of evening service of St. John's Presbyterian Church. Preacher: Rev. J. R. Blanchard, B.A. Organist and Choirmaster: Mr. C. W. Kerry.
- 8.15 (approx.): Relay from His Majesty's Theatre of the Band Recital of the Wellington Tramways Band.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, MAY 18.

- 3.0 : Afternoon session—Gramophone recital.
- 4.30: Close down.
- 5.30: Children's Song Service by children of the Church of Christ Sunday Schools, conducted by Rev. A. E. Tebay.
- 6.15: Studio chimes.
- 6.30: Relay from the Church of Christ, Moorhouse Avenue (Preacher, Pastor J. Crawford; Organist, Miss E. Hepburn; Choirmaster, Mr. H. Ames).
- 7.45: Intermission from studio.
Instrumental—Christchurch Broadcasting Trio, "Allegro con brio" from "Trio No. 3" (Beethoven).
- 7.55: Chorus with orchestra—Chause Souris Company, (a) "Round the Hay" (Tschalkowski), (b) "Orientale" (Cul).
- 8.15 (approx.): Relay of programme from 4YA, Dunedin.
God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, MAY 18.

- 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 Hanover Street Baptist Church. Preacher, Rev. Tuckwell. Choirmaster, Mr. Desmoulins.
- 7.45: John Barbirolli's Chamber Orchestra, "Introduction and Allegro for Strings" (Elgar) (H.M.V. C1694/95).
Philharmonic Choir, "Kyrie Eleison—Mass in G Major," "Gloria in Excelsis—Mass in G Major" (Schubert) (H.M.V. 1487).
Marek Weber and Orchestra, (a) "Coeur Brise"; (b) "Mennett No. 1" (Gillet) H.M.V. B3026).
- 8.15: Programme of music to be rendered by the Kaikorai Band, under the direction of Mr. Thos. J. Kirk-Burnand, assisted by 4YA artists.
Overture—The Band, "La Rose de Peronne" (Adams).
- 8.23: Contralto—Miss G. Burt, (a) "Sacrament" (McDermid); (b) "Crossing the Bar" (Willeby).
- 8.29: Violin with organ—de Groot and Terence Casey, "Cavatina" (Raff).
Negro Spirituals—Paul Robeson and Lawrence Brown, (a) "Hear de Lam's a'Cryin'"; (b) "Ezekiel Saw de Wheel" (arrgd. Brown).

- 8.38: Processional march—The Band, "Silver Trumpets" (Vivian).
Hymns—The Band, "Two Hymn Tunes" (Mendelssohn).
- 8.47: Bass—Mr. F. C. Cooper, "Arm, Arm Ye Brave" (Handel).
- 8.50: Soprano—Miss Gretta Don, (a) "Silent Noon" (Williams); (b) "Cradle Song" (Gretchaninov); (c) "The Maiden" (Parry).
- 8.57: Overture—The Band, "The Bagdad" (Boieldieu).
- 9.3 : Weather report.
- 9.5 : Contralto—Miss G. Burt, "A Summer Night" (Thomas).
- 9.9 : Violin and organ—de Groot and Terence Casey, "Parted" (Tosti).
- 9.13: Selection—The Band, "Great and Glorious is Thy Name" (Mozart).
Prelude—The Band, "Prelude" (Chopin).
- 9.20: Bass—Mr. F. C. Cooper, (a) "Last Call" (Sanderson); (b) "Mighty Deep" (Judd).
- 9.26: Soprano—Miss Gretta Don, (a) "Two Little Dogs" (Ledgley); (b) "Rest at Mid-day" (Hamilton); (c) "Si Mea Vers Avaient des Ailes" (Hahn).
- 9.32: March—The Band, "Queen of the North" (Lithgow).
- 9.35: God Save the King.

Monday, May 19

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, MAY 19.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, MAY 19.

- 3.0 : Chimes. Selected studio items.
- 3.40: Lecturette—Miss E. M. Hoyle, "Dennison Homecraft."
- 3.30 and 4.30: Sports results.
- 3.50: Studio items.
- 4.55: Close down.
- 5.0 : Children's session, conducted by Uncle Jeff.
- 6.0 : Dinner music session—"Columbia" Hour.
Orchestral—Mengelberg's Concertgebouw Orchestra, "Oberon Overture, Parts 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."
Octet—Squire Chamber Orchestra, "L'Arlesienne Suite Minuet."
- 6.29: Tacet.
- 6.30: Orchestral—New Queen's Hall Orchestra, "Slavonic Dance in G Minor."
Band—B.B.C. Wireless Band, "Helston Furry Processional."
Orchestral—Classical Symphony Orchestra, "Classical Memories."
- 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, market reports and sports results.
- 7.40: Lecturette—Mr. T. Fahey, of General Motors Ltd., "The Motor."
- 8.0 : Chimes.
- A special studio presentation of the play "Outward Bound," by Sutton Vane. Scene, "On Board Ship." Time, The Present.

Cast.

Scrubby	Theo. E. Lloyd
Ann	Marjorie Murray
Henry	Eric A. Clark
Tom Prior	Victor S. Lloyd
Mrs. Oliveden Banks	Elsie Lloyd
Rev. William Duke	H. A. Painter
Mr. Lingley	E. R. Render
Mrs. Midget	Susie Painter
Rev. Frank Thompson	J. M. Caldwell

Play produced by Victor S. Lloyd.

Incidental music by 2YA Orchestrina, under the conductorship of Signor A. P. Truda.
Overture—2YA Orchestrina (Conductor, Signor A. P. Truda), "Fierabras" (Schubert).

Act 1.

In Harbour—Morning.
Entr'acte—2YA Orchestrina, "Allegro from Symphony F. Sharp Minor."

Act 2.

At Sea—The Same Evening.
Entr'acte—2YA Orchestrina, "Coronach" (Burratt).

Week-all Stations-to May 25

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Act 3.

Scene 1.—Afternoon.

Entr'acte—2YA Orchestra, (a) "Ase's Death" (Peer Gynt Suite); (b) "Damon" (Rubenstein).

Scene 2.—The night of the same day.

Valse—2YA Orchestra, "Valse Triste" (Sibellus).

God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, MAY 19.

3.0 : Afternoon session, gramophone recital.

4.25 : Sports results.

4.30 : Close down.

5.0 : Children's Session, conducted by "Scatterjoy."

6.0 : Dinner Session, "H.M.V." Hour.

Selection—H.M. Grenadier Guards Bands, "New Sullivan Selection" (arrgd. Godfrey) (02731).

Waltz—Court Symphony Orchestra, "Destiny Waltz" (Baynes) (564).

6.12 : Tacet.

6.15 : Orchestral—Columbia Symphony Orchestra, "Idillo" (Lack) (01076).

Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor) 1. La Caprice de Nanette; 2. Demande et Reponse (02588).

6.26 : Tacet.

6.30 : Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor), 1. Un Sonnet d'Amour; 2. La Tarantelle Fretillante (02589).

Wurlitzer organ solo—Terence Casey, "I'm Lonely" (Coates) (01501).

6.42 : Tacet.

6.45 : Dance Suite—H.M. Grenadier Guards Band, "Nell Gwynn Dances" (German), 1. Country Dance; 2. Pastoral Dance (01329).

Orchestral—Columbia Symphony Orchestra, "Spring Song" (Mendelssohn) (01076).

Waltz—Symphony Orchestra, "Morgen Blatter" (Strauss) (9218).

6.58 : Tacet.

7.0 : News session.

8.0 : Chimes.

Band programme by Derry's Military Band (Conductor Mr. J. Scott), and assisted by 2YA artists.

8.1 : March—Band, "Virginia National Guard" (Vezzetti).

Dance—Band, "Dance Orientale" (Lake).

8.11 : Gaelic songs—Mrs. Alice Whitehead, in Gaelic, (a) "The Isle of Mull" (McFarlane); (b) "My Boatman" (Moffatt).

8.17 : Marimbas—Padilla's Marimba Serenaders, "Paree" (Padilla).

8.21 : Bass—Mr. Robert W. Rofe, "I'll Sing Thee Songs of Araby" (Clay).

8.25 : Waltz—Band, "Beautiful Danube" (Strauss).

8.32 : Burlesque lecture—Mr. Sydney Comfort, "Those Who Live in Glass Houses Should Not Throw Stones" (White).

8.36 : Organ—Regal Kinema Organ—"The Rosary" (Nevin).

8.42 : Tenor songs—Mr. W. J. Bischlager, (a) "Rosebud" (Drummond); (b) "Because" (D'Hardelot).

8.48 : Orchestral—Albert Sandler's Orchestra, "Chalita" (Schertzinger).

8.52 : Contralto—Miss Eileen Irwin, "Homing" (Del Riego).

8.56 : Afro Celtic, Band, "Intermezzo to Cleopatra" (Finnegan-Moret).

9.2 : Weather report and announcements.

9.4 : Orchestral—Albert Sandler's Orchestra, "I Kiss Your Hand" (Erwin).

9.8 : Gaelic song—Mrs. Alice Whitehead, in Celtic, "My Nut Brown Maiden" (Lees).

9.12 : Marimba—Rio Marimba Serenaders, "Dolores" (Waldteufel).

9.15 : Bass—Mr. Robert W. Rofe, (a) "Tommy Lad" (Margeson); (b) "A Chip of the Old Block" (Squire).

9.21 : Selection—Band, "Selection from 'The Desert Song'" (Romberg).

9.38 : Burlesque—Mr. Sydney Comfort, "Told by the Steep Jack" (White).

9.39 : Organ—Regal Kinema Organ, "La Rosita" (Dupont).

9.42 : Contralto—Miss Eileen Irwin, (a) "The Key to Your Heart" (Willeby); (b) "Neath Your Casement" (Willebey).

9.48 : Serenade—Band, "La Serenata" (Braga).

9.53 : Tenor—Mr. W. J. Bischlager, "Until" (Sanderson).

9.57 : March—Band, "American Army" (Yasilla).

God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, MAY 19.

3.0 : Chimes. Selected gramophone items.

4.25 : Sporting results.

4.30 : Close down.

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

6.0 : Dinner music, "H.M.V." hour.

Orchestral—New Symphony Orchestra, "Le Cid Ballet Music"; (a) Castilland; (b) Aubade; (c) Andalous; (d) Aragonaise.

Violin—Heifetz, (a) "Jota" (de Falla); (b) "Puck."

Orchestral—Marek Weber and his Orchestra, "Menuett No. 1."

6.14 : Tacet.

6.15 : Band—Band of H.M. Coldstream Guards, "Iolanthe" (Sullivan).

Orchestral—The London Orchestra, "Valse Memories, Parts 1 and 2."

Organ—R. E. McPherson, "Ninette" (Maud) (B3118).

6.28 : Tacet.

6.30 : New Symphony Orchestra, "Le Cid Ballet Music"; (a) Madrilene; (b) Navarraise (Massenet) (C1639).

Violin—Heifetz, "On Wings of So G." (Mendelssohn) (DB1216).

Band—Band of H.M. Coldstream Guards, "Pirates of Penzance."

6.43 : Tacet.

6.45 : Orchestral—Marek Weber and Orchestra, "I Pagliacci" (Leoncavallo).

Organ—R. E. McPherson, "A Japanese Sunset" (Deppen) (B3118).

Orchestral—Marek Weber and Orchestra, "Coeur Brise" (Gillet).

6.59 : Tacet.

7.0 : News session.

7.40 : Talk—Under the auspices of W.E.A.

8.0 : Chimes.

Selection—Salon Orchestra, under direction of Mr. A. H. Pettitt, "Arcadian" (Monckton).

8.9 : Contralto—Miss Jessie Smith, (a) "Angels Guard Thee" (Goddard); (b) "Sylvein" (Sinding).

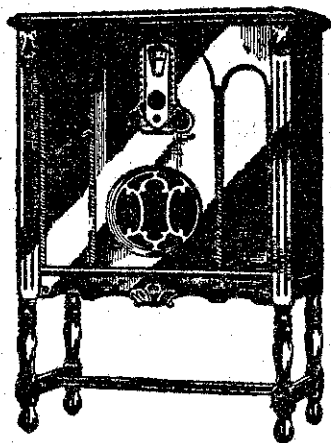
8.15 : Pianoforte and vocal recital by the well-known composer-pianist, Miss Edith Harry, piano, "Waltz in E Major" (Chopin); "Nocturne in F Sharp" (Chopin).

Songs—"The Little Log Cabin" (E. Harry); "The Evening Star" (E. Harry); "There is a Fair Isle" (E. Harry).

8.35 : Instrumental—Salon Orchestra, ballet music from (a) "Carmen" (Bizet); (b) "Canzonetta" (Godard).

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WELLINGTON

- 8.49: Recital—Miss M. E. Juriss, "Laugh and be Merry" (Masefield).
 8.54: Mandolin Band—Circolo Mandolinistico, "La Traviata Prelude, Act 1" (Verdi) (Col. 02566).
 8.58: Tenor—Mr. J. E. Davies, "Where'er You Walk" ("Semele") (Handel).
 9.1: Weather report.
 9.3: Waltz—Salon Orchestra, "Fountain of Youth" (Hesse).
 9.8: Chorus—Columbia Light Opera Company, "The Desert Song."
 9.12: Contralto—Miss Jessie Shmith, (a) "Aria" from "Samson and Delilah" (Saint-Saens); (b) "Far Far Across the Desert Sands" from "A Lover in Damascus" (Woodford-Finden).
 9.17: Pianoforte and vocal items by Miss Edith Harrhy, piano, "Refrain de Berceau" (Palmgren); "The Musical Box" (Liadow).
 Songs—"Roses of the King" (E. Harrhy); "Bells Across the Moor"; "Pierrots Cradle Song"; "Colette" (Edith Harrhy).
 9.37: Selection—Salon Orchestra, "Cabaret Girl" (Kerr).
 9.44: Recital—Miss M. E. Juriss, "The Ocean" (Byron).
 9.50: Tenor—Mr. J. E. Davies, two Welsh songs, (a) "Pabram y sefi Draw" (Traditional); (b) "Y Deryn Pur" (Traditional).
 9.56: Waltz—Salon Orchestra, "Estelle Valse" (Fontaine).
 10.2: God Save the King.

Tuesday, May 20

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, MAY 20.

- 3.0: Afternoon session—selected studio items, including Literary Selection by the Announcer.
 4.30: Close down.
 5.0: Children's hour, conducted by Uncle Dave.
 6.0: Dinner 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—Bayreuth Festival Orchestra, "Siegfried Prelude, Act 3."
 Waltz—Eddie Thomas' Collegians, "Moments With You" (Shilkret).
 Waltz—Moonie Thomas' Collegians, "Moonlight on the Danube" (Gay).
 Wurlitzer organ—Stanley MacDonald, "La Rosita" (Dupont).
 6.43: Tacet.
 6.45: Selection—Regal Orchestra, "Pagliacci" (Leoncavallo).
 Marimba Orchestra, Rio Marimba Orchestra, "My Isle of Golden Dreams" (Blaufuss) (02685).
 6.57: Tacet.
 7.0: News and market reports.
 7.15: Talk—Mr. George Campbell, "Motoring."
 8.0: Chimes.
 Special Wagnerian Programme in commemoration of the birthday of Richard Wagner, May 22.
 Overture—"Rienzi" (Wagner) (H.M.V. ED3-4).
 8.12: Lecture-recital—Mrs. Daisy Basham, "Wagner, Part 1."
 8.22: Selection—1YA Orchestral Octet, under direction of Mr. Eric Waters, "Tannhauser" (Wagner).
 8.32: Baritone—Mr. Len Barnes, "The Two Grenadiers" (Wagner).
 8.37: Orchestral—1YA Orchestral Octet, (a) "Parsifal Prelude" (Wagner); (b) "Siegfried's Liebeslied" (Wagner).
 8.47: Soprano—Miss Laura Walker, "Dear Hall of Song" ("Tannhauser") (Wagner).
 8.52: Orchestral—1YA Orchestral Octet, "Dance of the Apprentices" from "Die Meistersinger" (Wagner).
 8.57: Tenor—Mr. Arthur Ripley, (a) "Ode to Venus" (Wagner) ("Tannhauser"); (b) "Lohengrin's Narrative" ("Tannhauser") (Wagner).
 9.4: Evening forecast and announcements.
 9.6: Lecture-recital—Mrs. Daisy Basham, "Wagner, Part 2."
 9.16: Orchestral—1YA Orchestral Octet, "Spinning Chorus" ("Flying Dutchman") (Wagner).
 9.21: Baritone—Mr. Len Barnes, (a) "My Father" (Wagner, from "Parsifal"); (b) "Wolfram's Address" ("Tannhauser") (Wagner).
 9.28: Orchestral—1YA Orchestral Octet, "Flying Dutchman Selection."
 9.38: Soprano—Miss Laura Walker, "Elizabeth's Prayer" (Wagner).
 9.43: Cello—Pablo Casals, "O Star of Eve" from "Tannhauser" (Wagner).
 9.47: Tenor—Mr. Arthur Ripley, "The Prize Song" (Die Meistersinger).
 9.51: Orchestral—1YA Orchestral Octet, "Bridal Chorus and Wedding Procession" (Lohengrin) (Wagner).
 10.1: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, MAY 20.

- 3.0: Chimes. Selected studio items.
 3.30 and 4.30: Sporting results.
 3.40: Lecturette—Miss M. S. Christmas, "The Work of the Women's Institutes in New Zealand."
 4.55: Close down.
 5.0: Children's session—"H.M.V." Hour.
 Overture—H.M. Coldstream Guards Band, "Poet and Peasant" (Suppe).
 Orchestral—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).

- Waltz—Jack Hylton's Orchestra, "Spanish Rose" (Pearson) (B5481).
 Xylophone—Sam Herman, "Al Fresco" (Zonophone EE53).
 6.27: Tacet.
 6.30: Orchestral—New Light Symphony Orchestra, "In a Clock Store."
 March—Royal Opera Orchestra, "Marche Hongroise" (Berlioz).
 Orchestral—Symphony Orchestra, "Spanish Dance" (de Falla).
 6.42: Tacet.
 6.45: Schottische—International Novelty Quartet, "Lena" (Mewes).
 Pipe organ, piano, trombone and harp—Shilkret's Rhythmic 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, market reports and sporting results.
 7.40: Lecturette—Representative Department of Agriculture, "For the Man on the Land."
 8.0: Chimes.
 Overture—Salon Orchestra, "Lustspiel" (Kela Bela).
 8.9: Soprano with flute obligato—Miss Ailsa Nicol, (a) "The Mocking Bird" (Bishop); (b) "In a Monastery Garden" (Ketelbey).
 8.16: Tenor—Mr. Noho Toki, "Pokare Kare" (Traditional).
 8.20: Suite—Salon Orchestra, "From the South" (Nicode).
 9.30: Elocution—Miss Nancy Abernethy, (a) "Solitude" (Munro); (b) "Tomboy" (Wish Wynne).
 8.37: Popular songs—Mr. W. E. Elliott, (a) "Painting the Clouds with Sunshine" (Burke); (b) "Reaching for Someone" (Donaldson).
 8.48: Ballet music—Salon Orchestra, "Scene from Ballet Scaramouche."
 8.51: Soprano—Miss Ailsa Nicol, (a) "Vissi d'Arte" ("La Tosca") (Puccini); (b) "Evensong" (Burnham).
 8.58: Weather report and announcements.
 9.0: Tenor—Mr. Noho Toki, "E Moe Tera" (Shadows of Evening) (Eria Ma).
 9.4: Instrumental—Salon Orchestra, "Request Item."
 9.12: Popular song—Mr. W. E. Elliott, "A Year from To-day."
 9.16: Humour—Miss Nancy Abernethy, "I Can't Come Out To-night."
 9.22: Instrumental—Salon Orchestra, "Around the Map" (Finck).
 9.30: Dance programme—"H.M.V." Hour.
 Foxtrot—Vallee's Connecticut Yankees, "Heigh Ho! Everybody, Heigh Ho!" (Woods) (EA614).
 Foxtrot—Shilkret's Orchestra, "Hittin' the Ceiling" (Gottler).
 Foxtrot—Weem's Orchestra, "Good Morning, Good Evening, Good Night" (Lewis) (EA615).
 Foxtrot—Shilkret's Orchestra, "Sing a Little Love Song" (Gottler).
 9.42: Vocal duet—Dora Maughan and Walter Fehl, "That's Just What I Thought" (Bennett and Cariton) (B3000).
 Foxtrot—Vallee's Connecticut Yankees, "S'posin'" (Razaf) (EA582).
 Foxtrot—Arnheim's Orchestra, "Loveable and Sweet" (Clare) (EA608).
 Foxtrot—Olsen's Orchestra, "Out Where the Moonbeams are Born".
 Foxtrot—Reisman's Orchestra, "When You Come to the End of the Day".
 9.57: Piano duet—Arden Ohman, "Ragamuffin" (Greer) (EE166).
 Foxtrot—Shilkret's Orchestra, "Junior" (Donaldson) (EA599).
 Waring's Pennsylvanians, "When My Dreams Come True" (Berlin).
 Foxtrot—Reisman's Orchestra, "Gay Love" (Clarke) (EA625).
 Foxtrot—Waring's Pennsylvanians, "My Sin" (de Sylva) (EA592).
 10.12: Humour—Leonard Henry, "What Did the Village Blacksmith Say?"
 Foxtrot—Shilkret's Orchestra, "Used to You" (de Sylva) (EA587).
 Foxtrot—All Star Orchestra, "My Dream Memory" (Clare) (EA608).
 Foxtrot—Shilkret's Orchestra, "Why Can't You?" (de Sylva) (EA587).
 Foxtrot—The Troubadours, "My Song of the Nile" (Bryan) (EA625).
 Waltz—The Troubadours, "My Heart is Bluer than Your Eyes."
 10.30: Piano duet—Victor Arden, Phil Ohman, "Dance of the Paper Dolls".
 Foxtrot—Vallee's Connecticut Yankees, "Miss You" (Tobias) (EA614).
 Foxtrot—Reisman's Orchestra, "Ain't Misbehavin'" (Razaf) (EA612).
 Foxtrot—Vallee's Connecticut Yankees, "The One in the World."
 10.42: Foxtrot—George Olsen and His Music, "Reaching for Someone."
 Vocal duet—Dora Maughan and Walter Fehl, "Eggs, Toast and Coffee."
 Foxtrot—Hylton's Orchestra, "You're the Cream in My Coffee."
 Foxtrot—Vallee's Connecticut Yankees, "Every Moon's a Honeymoon."
 Foxtrot—Hylton's Orchestra, "To Know You is to Love You."
 Waltz—Reisman's Orchestra, "Evangeline" (Rose) (EA615).
 11.0: God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, MAY 20.

SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, MAY 20.

- 3.0: Chimes. Selected gramophone items.
 4.25: Sporting results.
 4.30: Close down.
 5.0: Children's hour, conducted by Uncle Pete.
 6.0: Dinner session, "H.M.V." hour.
 Orchestral—New Symphony Orchestra, "Minuet" (Boccherini).
 Orchestral—Nat Shilkret and the Salon Group, "Stephen Foster Melodies" (Old Kentucky Home) (Foster) (EB42).
 Band—H.M. Coldstream Guards, "Wee MacGregor's Patrol" (Amers).
 Orchestral—Salon Orchestra, "Pagan Love Song" (Freed-Brown).
 6.13: Tacet.
 6.15: Orchestral—De Groot and his Orchestra, "Waldteufel Memories."
 Band—H.M. Coldstream Guards, "Policeman's Holiday" (Ewing).
 Organ—Jesse Crawford, "I Get the Blues When it Rains."

- 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 Group, "Stephen Foster Melodies," "Old Black Joe" (Foster) (EB42).
 6.43: Tacet.
 6.45: Orchestral—New Symphony Orchestra, "Nell Gwynn Dances No. 3." Organ—Jesse Crawford, "I'll Always Be in Love With You."
 Band—H.M. Coldstream Guards, "Geisha Selection" (Jones) (C1703).
 Orchestral—Salon Orchestra, "Wedding of the Painted Doll."
 6.58: Tacet.
 7.0: News session.
 7.40: Talk—Mr. R. W. Marshall, "Tourist Resorts."
 8.0: Chimes
 Presentation of Mendelssohn's "Elijah" by Dunedin Choral Society on relay from Dunedin Town Hall. Soloists: Soprano, Miss Eva Scott; Contralto, Miss Mary Pratt; Tenor, Mr. Alfred Walmesley; Bass, Mr. William Walters.
 God Save the King.

Wednesday, May 21

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, MAY 21.

- 12.30: Relay of Community Singing from Town Hall.
 1.30: Close down.
 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, "Columbia" hour.
 Band—Royal Italian Band, "Marcia Reale" (Gabetti) (01182).
 Instrumental—Court Symphony Orchestra, "In Venice" (Sellars).
 Cinema 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."
 'Cello—W. H. Squire, "Melody in F" (Popper) (04178).
 6.26: 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."
 6.42: Tacet.
 6.45: Band—H.M. Grenadier Guards, "Turkish Patrol" (Michaelis) (4111).
 Cinema organ—Stanley MacDonald, "Nicolette" (Batten).
 Waltz—Jacque Jacobs Ensemble, "Weiner Blut" (Strauss) (02556).
 Idyll—H.M. Grenadier Guards Band, "Smithy in the Woods."
 6.58: Tacet.
 7.0: News and market reports.
 7.40: Talk—Mr. Norman Kerr, "Physical Culture."
 8.0: Chimes.
 March—Congress Hall Band, "Winnipeg" (Coles).
 8.6: Baritone—Peter Dawson, "Boots" (McCall) (H.M.V. B3072).
 8.10: Hawaii—Ingall's Hawaiians, (a) "Pua Carnation" (Awai); (b) "Hine-e-Hine" (Princess Te Rangī Pāi).
 8.18: Description—The Band, "Visions" (Marshall).
 8.30: Humour—Mr. T. T. Garland, "Some Humour."
 8.34: Male Octet—The Band, "Hallelujah Chorus" (Handel).
 8.40: Violin with organ—De Groot and Terence Casey, "Cavatina" (Raff).
 8.44: March—The Band, "In the Fling Line" (Coles).
 8.50: Hawaii—Ingall's Hawaiians, (a) "Maori Moon" (Smith); (b) "Hawaiian Memories" (Heagney).
 8.58: Evening forecast and announcements.
 9.0: Male quartet—The Revellers, "Evenin'" (Moret); "Comin' Home."
 9.6: Cornet solo—The Band (Mr. Reg. Davies), "Silver Threads Among the Gold" (Twichen).
 9.19: Violin with organ—De Groot and Terence Casey, "Parted" (Tosti).
 9.22: Meditation—The Band, "Harlan" (Coles).
 9.32: Hawaii—Ingall's Hawaiians, (a) "La Paloma" (Yradier); (b) "Colonel Bogey March" (Alford).
 9.40: Baritone—Peter Dawson, "The Smuggler's Song" (Mortimer).
 9.44: Tone poem—The Band, "The Atonement" (Coles).
 9.52: Chorus—Light Opera Company, "Wake Up and Dream" (Porter).
 9.55: March—The Band, "The Red Shield" (Goffin).
 10.0: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, MAY 21.

SILENT DAY.

3YA CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, MAY 21.

- 3.0: Afternoon session, Gramophone Recital.
 4.25: Sports results.
 4.30: Close down.
 5.0: Children's Hour, "Uncle John."
 6.0: Dinner Session, "Parlophone" Hour.
 Overture—Berlin State Opera Orchestra, "Mignon" (Thomas).

Instrumental—Grand Symphony Orchestra, "Tales of Hoffman—Bacchante" (Offenbach) (A4061).

- 6.12: Tacet.
 6.15: Fantasia—Edith Lorand Orchestra, "Faust" (Gounod) (E10579).
 Piano—Karol Szeiter, "Fledermaus" (Strauss) (A4082).
 6.27: Tacet.
 6.30: Selection—Dajos Bela Orchestra, "La Tosca" (Verdi) (A4045).
 'Cello—Orabio de Castro, "Nocturne in B Flat" (Chopin) (E10581).
 6.42: Tacet.
 6.45: Overture—Grand Symphony Orchestra, "Fra Diavolo" (Auber).
 Instrumental—Grand Symphony Orchestra, "Tales of Hoffman—Entr'acte and Minuet" (Offenbach) (A4061).
 6.57: Tacet.
 7.0: News Session.
 7.15: Talk on Relay from 4YA Dunedin, Mr. A. Hamilton, M.P., "The Operation of the Meat Control Board," arranged by 4YA Primary Productions Committee.
 7.30: Addington Stock Market reports.
 8.0: Chimes.

OPERATIC AND MISCELLANEOUS PROGRAMME.

- 8.1: Overture—Berlin State Orchestra, "Die Fledermaus" (Strauss).
 8.9: Baritone—Mr. J. Graham Young, "The Toreador's Song" from "Carmen" (Bizet).
 8.13: Piano Recital—Mr. Sydney Francis Hoben, with introductory comments, (a) "Morgenstundchen" (Schubert-Liszt), (b) "Spinner Lied" (Wagner-Liszt) (Boys and Fiddlers Breakdown); (c) "Turkey in the Straw" (Guion).
 8.29: Soprano—Miss Corrie Aslin, "Ah Fors E Lui" (Cavatina from Traviata) (Verdi).
 Mixed Quartet, Salon Quartet, "'Tis the Last Rose of Summer" (Irish tradit. air, arranged by Sir. R. Stewart).
 8.37: Instrumental—Studio Instrumental Octet (Conductor Mr. Harold Beck), ballet piquant (a) "Minuet" (Parker); (b) "Sleepy Dance" (Parker); (c) "Dance of the Fairies" (Parker).
 8.47: Contralto—Miss Dulcie Mitchell, "Softly Awakes My Heart" (Samson and Delilah) (Saint Saens).
 8.51: 'Cello—W. H. Squire, "Slumber Song" (Squire) (Col. L1759).
 8.55: Tenor—Mr. H. Blakeley, "I Arise From Dreams of Thee" (Salaman).
 8.59: Instrumental—Studio Instrumental Octet—"Carnival Venetian" (Burgmein).
 9.2: Weather Report and Announcements.
 9.4: Saxophone—Rudy Wiedoeft, "Minuet" (Beethoven) (Col. 01176).
 9.7: Soprano—Miss Corrie Aslin, "Waltz Song" (Robinson).
 9.10: Baritone and Contralto Duo—Salona Duo, "The Day is Done" (Loehr).
 9.13: Instrumental—Studio Instrumental Octet, "Lucia Di Lammermoor" (Donizetti).
 9.23: Tenor with quartet—Mr. H. Blakeley and Salon Quartet, "Land of My Fathers" (James).
 9.27: 'Cello—W. H. Squire, "Berceuse de Jocelyn" (Goddard) (Col. 04179).
 9.30: Baritone—Mr. J. Graham Young, "The Yeomans Wedding Song" (Pontatowski).
 9.33: Instrumental—Studio Instrumental Octet, "Rebel Maid Dances" (Phillips).
 9.43: Contralto—Miss Dulcie Mitchell, (a) "Oh Thank Me Not" (Mallinson); (b) "His Lullaby" (Jacobs Bond).
 9.47: Saxophone—Rudy Wiedoeft, "Valse Mazanetta" (Wiedoeft).
 9.50: Soprano and Tenor—Salon Duo, "Look Down Dear Eyes" (Fisher).
 Mixed Quartet—Salon Quartet, "Laughing Chorus" (Root).
 9.56: Instrumental—Studio Instrumental Octet—(a) "Bal de Noces" (Burgmein); (b) "Hungarian Dance No. 5" (Brahms).
 God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, MAY 21.

- 3.0: Chimes. Selected gramophone items.
 3.15: Talk—Home Science Extension Department of Otago University, under auspices of 4YA Primary Productions Committee, "Tired Housebands."
 4.25: Sporting results.
 4.30: Close down.
 5.0: Children's hour, conducted by Big Brother Bill.
 6.0: Dinner music, "Columbia" hour.
 Waltz—Symphony Orchestra, "Artists' Life" (Strauss) (02577).
 Instrumental—Columbia Symphony Orchestra, "Al Fresco" (Herbert).
 Foxtrot—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."
 Waltz—Jacque Jacobs' Ensemble, "Over the Waves" (Rosas) (02556).
 6.27: Tacet.
 6.30: Instrumental—Columbia Symphony Orchestra, "Bandinage" (Herbert).
 Waltz—Royal Serbian Tambouriza Orchestra, "Kosovo" (3066).
 Waltz—Symphony Orchestra, "Tales from the Vienna Woods."
 March—H.M. Grenadier Guards Band, "Twist and Twirl" (Kottau).
 6.43: Tacet.
 6.45: Waltz—Royal Philharmonic Orchestra, "Blue Danube" (Strauss).
 Waltz—Jacque Jacobs' Ensemble, "España" (Waldteufel) (02560).
 6.57: Tacet.
 7.0: News session.
 7.15: Talk—A. Hamilton, M.P., under auspices of 4YA Primary Productions Committee, "Operations of the Meat Control Board."
 8.0: Chimes.

- International Concert Orchestra, "Parade of the Wooden Soldiers."
- 8.4 : Soprano—Miss Olga E. Wynne, (a) "Love's a Merchant"; (b) "The Little Damsel" (Novello).
- 8.9 : Novelty Syncopators (with vocal chorus), "Laughing Marionette" (Gilbert); "Josie and Me" (O'Hagan); "Wanna Go Places" (Robin).
- 8.18 : Recitals—Mr. Angus Gorrie, "Poets Lost to England During Great War" (final series).
- 8.23 : Instrumental—Novelty Syncopators (with vocal choruses), "I'll Get By" (Turk); "My Sin is Loving You" (de Sylva); "Rainbow Man" (Dowling).
- 8.35 : Vocal items—M. B. Brown, (a) "I Think I'll Get Wed in Summer Time" (Lauder); (b) "The Wedding of Lauchie McGran."
- 8.40 : Bass-baritone—Mr. Jack Clark, (a) "When the Sergeant Major's on Parade" (Longstaff); (b) "Midshipmite" (Adams).
- 8.47 : Novelty—Syncopators, "Roses in June" (O'Hagan); "Break Away" (Conrad); "Never Seen a Smile Like Yours" (Johnson).
- 8.59 : Weather report.
- 9.1 : Soprano—Miss Olga E. Wynne, "Summer" (M. Shaw).
- 9.4 : Waltzes—Novelty Syncopators, "Carolina Moon" (Albert); "Pagan Love Song" (Freed); "Rosemary" (Zamecnik).
- 9.12 : Recitals—Mr. Angus Gorrie, "Poets Lost to England During Great War" (final series).
- 9.18 : Vocal items—Mr. B. Brown, "Doughie the Baker" (Lauder).
- 9.22 : Foxtrots—Novelty Syncopators, "Lovable and Sweet" (Clare); "The Sun is at My Window" (Young).
- 9.29 : Bass-baritone—Mr. Jack Clark, "Bedouin Love Song" (Pinsuti).
- 9.32 : Dance session, "Brunswick" hour and a-half.
- Foxtrot—Cotton Pickers, "He's a Good Man to Have Around" (Yellen).
- Foxtrot—Ray Miller's Orchestra, "Someone's Falling in Love" (Little).
- Foxtrot—Ray Miller's Orchestra, "If You Want Lovin'" (Spier).
- Foxtrot—Cotton Pickers, "Shoo Shoo Boogie Boo" (Robin) (4447).
- 9.42 : Vocal duet—The Inspiration Boys, "On the Alamo" (Kahn) (4436).
- Foxtrot—Gerunovich's Roof Garden Orchestra, "There's Sugar Cane Around My Door" (Leonard) (4430).
- Foxtrot—Mount Royal 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).
- Foxtrot—Mount Royal Hotel Orchestra, "The Land of Sleepy Water."
- Foxtrot—Biltmore Hotel Orchestra, "That's What I Call Sweet Music."
- Foxtrot—Red Nicholls Five Pennies, "Alice Blue Gown" (Tierney).
- Foxtrot—Biltmore Hotel Orchestra, "Now, I'm In Love" (Yellen).
- 10.12 : Comedienne—June Pursell and Roy Fox, "I'm Walking Around in a Dream" (Lewis) (4412).
- Foxtrot—Arnold Johnson's Orchestra, "Don't Hang Your Dreams on a Rainbow" (Kahal) (4452).
- Foxtrot—Al Goodman's Orchestra, "Or What Have You?" (Henry).
- Foxtrot—Colonial Club Orchestra, "Song of the Moonbeams."
- Foxtrot—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."
- Foxtrot—Oriole Orchestra, "An Old Italian Love Song" (Harrison).
- Foxtrot—Kymen's California Orchestra, "Ain't Misbehavin'" (Razaf).
- Foxtrot—Oriole Orchestra, "Why Did You?" (Lombardo) (4439).
- Foxtrot—Red Nicholls Five Pennies, "A Pretty Girl is Like a Melody."
- 10.45 : Vocal duet—The Inspiration Boys, "The Moonlight March" (Newman).
- Foxtrot—Hotel Astor Orchestra, "Every Moon's a Honeymoon."
- Foxtrot—Lyman's California Orchestra, "Bashful Baby" (Friend).
- Foxtrot—Hotel Astor Orchestra, "An Eye-full of You" (Gilbert).
- Waltz—Carter's Orchestra, "That Naughty Waltz" (Stanley) (4433).
- 11.0 : God Save the King.

Thursday, May 22

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, MAY 22.

- 3.0 : Afternoon session—Relay of Concert from Lewis Eady, Ltd., including Literary Selection by the Announcer.
- 3.15 : Home Science—"Household Tasks made Easier," talk prepared by Home Science Department of Otago University.
- 4.30 : Close down.
- 5.0 : Children's programme, conducted by Peter Pan.
- 6.0 : Dinner music, "Brunswick" hour.
- Orchestral—Brunswick Concert Orchestra, "Dance of the Hours."
- Orchestral—A. and P. Gypsies, "Herbertiana" (Stone) (4287).
- Violin—Fredri Fradkin, "Le Cygne" (Saint-Saens) (4528).
- Orchestral—Brunswick Concert Orchestra, "Badinage" (Herbert).
- Orchestral—A. and P. Gypsies, "The Far Away Bells" (Furber-Gordon).
- 6.14 : Tacet.
- 6.15 : Orchestral—Brunswick Concert Orchestra, "Wine, Women and Song."
- Orchestral—Anglo-Persians "Cossack Love Song" (Katzman).
- Violin—Frederic Fradkin, "Noba" (Arndt) (4318).
- Orchestral—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 Night."

- Orchestral—A. and P. Gypsies, "Simple Confession" (Thome).
- Orchestral—Ray Miller and his Orchestra, "Go You North-Western."
- 6.43 : Tacet.
- 6.45 : Orchestral—Brunswick Concert Orchestra, "La Dansense" (Von Blon).
- Orchestral—Brunswick Concert Orchestra, "Hungarian Lutspiel."
- Violin—Frederic Fradkin, "A Kiss in the Dark" (de Sylva) (4318).
- Orchestral—Anglo-Persians, "Ragamuffin" (Greer) (4483).
- 6.58 : Tacet.
- 7.0 : Mr. H. H. Driver, "Book Review."
- 7.15 : News and market reports.
- 8.0 : Chimes.
- Selection—Mr. Reg. Morgan and his Orchestra, "Manteaux Noirs."
- 8.10 : Male chorus—Roosters Concert Party, "Y.M.C.A. Concert" (Merriman).
- 8.13 : Saxophone solo with orchestra, Mr. E. Hoffman, "Sax-o-Lot."
- 8.18 : Novelty duo—The Bohemian Duo, "Mahara Ki A-Au" (Traditional).
- 8.26 : Waltz—The Orchestra, "Beautiful Danube" (Strauss).
- 8.36 : Baritone—Mr. Reg. Morgan, "Just Because the Violets" (Russell).
- 8.40 : Violin—Mr. Frank Parsons, "The Rosary" (Nevin, arr. Kreisler).
- 8.45 : Talk—Mr. A. B. Chappell, "Topical Talk."
- 9.0 : Evening forecast and announcements.
- 9.2 : Foxtrots—The Orchestra, (a) "Laughing Marionette" (Collins); (b) "Josie and Me" (O'Hagan).
- 9.10 : Novelty duo—The Bohemian Duo, (a) "Hoki Tonu" (Traditional); "Tahi Nei Taru Kino" (Traditional).
- 9.18 : Male quartet—Serberling Players, "A Japanese Sunset" (Deppen).
- 9.21 : Trumpet solo—Mr. R. Sprowl, "Il Bacio" (Arditi).
- 9.26 : Baritone—Mr. Reg. Morgan, "The Joy Bird" (Russell).
- 9.30 : Dance programme by Reg. Morgan's Orchestra, including the following numbers and latest hits:—
- Foxtrots—"Promise Me" (Van Booth); "One Alone" (Romberg); "I'm Just a Vagabond Lover" (Zimmerman); "Blue Rose of Spain" (Nichols); "Some Sweet Day" (Shilkret); "Singing in the Rain" (Brown); "Your Mother and Mine" (Edwards); "I Kiss Your Hand, Madame" (Erwin); "Yo te Amo" ("The Wolf Song").
- Waltzes—"The Desert Song" (Romberg); "Stormy Weather Pal" (Piantadosi); "The Merry Widow" (Lehar); "My Loved One."

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, MAY 22.

- 3.0 : Chimes. Selected studio items.
- 3.15 : Home Science—"Household Tasks Made Easier," talk prepared by Home Science Extension Department, Otago University.
- 3.30 and 4.30 : Sporting results.
- 4.55 : Close down.
- 5.0 : Children's session, conducted by Uncle George.
- 6.0 : Dinner music session, "H.M.V." Hour:
- Light orchestral—Marek Weber and Orchestra, "Lehariana" (Geiger).
- Cello—Cedric Sharpe, "Air" (Pergolesi) (B3040).
- Band—Coldstream Guards, "Wedding of the Rose" (Jessel) (B3064).
- 6.14 : Tacet.
- 6.15 : Orchestral—Vienna Philharmonic Orchestra, "Morning, Noon, and Night in Vienna" (Suppe) (C1667).
- Light orchestra—New Mayfair Orchestra, "Five O'Clock Girl" (Ruby).
- 6.27 : Tacet.
- 6.30 : Orchestral—New Mayfair Orchestra, "Love Lies" (De Sylva) (C1658).
- Cello—Cedric Sharpe, "Twilight" (Friml) (B3040).
- Organ—Herbert Dawson, "Evensong" (Easthope Martin) (B2263).
- Band—H.M. Coldstream Guards, "Hobomoko Intermezzo" (Reeves).
- 6.44 : Tacet.
- 6.45 : Trio—De Groot (violin), A. Gibilaro (piano), J. Pacey ('cello), "O Sole Mio" (Di Capua) (B2588).
- Organ—Herbert Dawson, "Idylle" (Edward Elgar) (B2263).
- Orchestral—Berlin State Opera Orchestra, "German Dances" (Mozart).
- 6.57 : Tacet.
- 7.0 : News session, market reports and sporting results.
- 7.40 : Lecturette—Miss Inez Connop, "Ballroom Dancing."
- 8.0 : Chimes. Studio concert by Wellington Municipal Tramways Band (Conductor, Mr. E. Franklin), assisted by 2YA artists.
- March—The Band, "Entry of the Gladiators" (Fuchs).
- 8.6 : Soprano—Miss Rita Hopkins, "Oh that I Might Retrace the Way."
- 8.10 : Record, instrumental—Novelty Orchestra, "Danse Bagatelle" (Bourdon).
- 8.13 : Baritone—Mr. Claude Moss, "Keramos" (The Potter's Song) (Harris).
- 8.17 : Humoresque—The Band, "Three Blind Mice" (Shipley Douglas).
- 8.24 : Elocution—Miss Zena Jupp, "Scots of the Riverina" (Lawson).
- 8.29 : Tenor—Mr. Lewis Campbell, (a) "Siciliana" ("Cavalleria Rusticana"—Mascagni), (b) "Son o' Mine" (Freebooter's Song) (Wallace).
- 8.35 : Instrumental—Novelty Orchestra, "Ginger Snaps" (Bourdon) (H.M.V.).
- 8.38 : Contralto—Miss Marjorie Bennie, (a) "By the Waters of Minnetonka" (Meuranc), (b) "Ships that Pass in the Night" (Stephenson).
- 8.44 : Humour—Clarkson Rose, "My Austin Seven" (Rose) (Zonophone 5285).
- 8.47 : Selection—The Band, "Chu Chin Chow" (Norton).
- 9.0 : Weather report and announcements.
- 9.2 : Soprano—Miss Nita Hopkins, (a) "Thou'rt Like a Lovely Flower" (Schumann), (b) "Thoughts" (Fisher).
- 9.8 : Duet—Barrington and Foster Richardson, (a) "Genevieve" (Tucker), (b) "In the Valley where the Blue Birds Sing" (Solman) (Zono.).
- 9.14 : Poetic march—The Band, "The Vanished Army" (Alford).
- 9.20 : Humour—Miss Zena Jupp, "Education Made Agreeable" (Leacock).
- 9.26 : Baritone—Mr. Claude Moss, "E Pari Ra" (Rowe).
- 9.30 : Selection—The Band, "Floradora" (Hewitt).
- 9.42 : Contralto—Miss Marjorie Bennie, "Love's Coronation" (Aylward).

- 9.46: Instrumental—Violin with organ, De Groot and Terence Casey, "Cavatina" (Raff) (H.M.V. B2920).
 9.49: Tenor—Mr. Lewis Campbell, "The Last Watch" (Pinsuti).
 9.53: Waltz—The Band, "Ecstasy" (Baynes).
 March—The Band, "Old Comrades" (Telke).
 10.3: Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, MAY 22.

- 3.0: Afternoon session—Gramophone recital.
 3.15: Home Science—"Household Tasks Made Easier," talk prepared by the Home Science Department, Otago University.
 4.25: Sports results.
 4.30: Close down.
 4.25: Sports results.
 5.0: Children's hour, "Ladybird and Uncle Frank."
 6.0: Dinner session, "Columbia" Hour:
 Suite—Ketelbey's Concert Orchestra, "In a Fairy Realm" (Ketelbey):
 (1) The Moonlit Glade, (2) The Queen Fairy Dances, (3) Gnomes March (Columbia 02694-5).
 6.12: Tacet.
 6.15: Orchestral—Columbia Symphony Orchestra, "March of the Bojaren"
 Cello—Gaspar Cassado, "Melodie Arabe" (Glazounov) (03579).
 Orchestral—New Queen's Hall Light Orchestra, "Wood Nymphs."
 6.26: Tacet.
 6.30: Orchestral—New Queen's Hall Light Orchestra, "Summer Days Suite"
 (Coates): (1) In a Country Lane, (2) On the Edge of the Lake,
 (3) At the Dance (02590-1).
 6.42: Tacet.
 6.45: Orchestral—J. H. Squire's Celeste Octet, "Memories of Mendelssohn"
 (arr. Sear) (02833).
 Orchestral—Columbia Symphony Orchestra, "Bridal Procession."
 6.57: Tacet.
 7.0: News session.
 7.30: Talk, Mr. O. W. Banderson, Chairman of Committee Canterbury Horticultural Society, "Sweet Peas," arranged by 3YA primary Productions Committee.
 8.0: Chimes. Classical and miscellaneous programme:
 8.1: Overture—Victor Symphony Orchestra, "Dance of the Hours."
 8.9: Quartet—Melodious Four, "O Maiden Dearest" (Brahms).
 Contralto—Miss Belle Renaut, "Caro Mio Ben" (Giordani).
 8.15: Piano—Wilhelm Backhaus, "Hungarian Rhapsody No. 2" (Liszt).
 8.23: Baritone—Mr. T. D. Williams, "The Erl King" (Schubert).
 8.27: Instrumental—Studio Instrumental Octet (Conductor, Mr. Harold Beck), (a) "Grand March" (Verdi), (b) "Nocturne" (Chopin).
 8.37: Duet soprano and tenor—Melodious Duo, "Dear Love of Mine" ("Nadesha"—Goring Thomas).
 8.40: Sketch—Mr. Alan W. Brown, "The Fallen Star" (Harry Graham).
 8.45: Organ—Arthur Meale, (a) "March on a Theme of Handel" (Guilmant),
 (b) "The Pilgrim's Song of Hope" (Batiste).
 8.53: Tenor—Mr. Russell Sumner, "All Hail, Thou Dwelling" (from "Faust").
 8.57: Soprano—Miss Frances Hamerton, "Waltz Song" from "Romeo and Juliet" (Gounod).
 9.1: Weather report and announcements.
 9.3: Instrumental—Studio Instrumental Octet, (a) "To a Wild Rose" (MacDowell), (b) "Will o' the Wisp," (c) "From an Indian Lodge," (d) "To a Water Lily" (Woodland Sketches).
 9.12: Quartet—The Melodious Four, "Evening Has Lost Her Throne."
 Contralto—Miss Belle Renaut, (a) "Sapphic Ode" (Brahms), (b) "Woodland Thoughts" (Franz).
 9.19: Instrumental—Studio Instrumental Octet, (a) "Pas de Amphores" (Chaminade), (b) "Mazurka" (Saint-Saens).
 9.27: Baritone—Mr. T. D. Williams, (a) "The Bird of Passage" (Read), (b) "Slow, Horses, Slow" (Mallinson).
 9.31: Sketches—Mr. Alan W. Brown, (a) "Delightful People" (MS.), (b) "Exaggeration" (Belloc).
 9.34: Tenor—Mr. Russell Sumner, "Down Her Soft Cheek" (Donizetti).
 9.38: Instrumental—Studio Instrumental Octet, "Intermezzo" (with violin solo) (Holst).
 9.42: Duet, contralto and bass—The Melody Duo, "Night Hymn at Sea"
 Soprano—Miss Frances Hamerton, (a) "Skylark and Nightingale" (Ireland), (b) "Your Brother has a Falcon" (Ireland).
 9.48: Balalaika Orchestra—Kiriloff's Balalaika Orchestra, "Shining Moon" (Russian folk-song) (EA48).
 9.51: Quartet—The Melodious Four, "O Peaceful Night" (German).
 9.54: Instrumental—Studio Instrumental Octet, "Ballet Music from 'Le Cid'" (Massenet).
 God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, MAY 22.

SILENT DAY.

Friday, May 23

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, MAY 23.

- 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, "H.M.V." Hour.
 Orchestral—Berlin State Opera Orchestra, "Polonaise" (Liszt).
 Violin—Isolde Menges, "Nocturne in E Flat Op. 9 No. 2" (D1288).
 6.13: Tacet.
 6.15: Band—H.M. Coldstream Guards, "La Fille De Madame Angot" (Le Cocq) (C1370).
 Piano—Mark Hambourg, "Rakoczy March" (Liszt) (C1439).
 Orchestral—John Barbirolli's Chamber Orchestra, "A Little Night Music 1st Movement" (Mozart) (C1635).
 6.29: Orchestral—John Barbirolli's Chamber Orchestra, "A Little Night Music 2nd, 3rd, 4th Movements" (C1635/6).
 Piano—Mark Hambourg, "On Wings of Song" (Mendelssohn).
 6.44: Tacet.
 6.45: Quartet—Virtuoso String Quartet, "Londonderry Air" (arrgd. Bridge).
 Violin—Isolde Menges, "Air on G String" (Bach) (D1288).
 Quartet—Virtuoso String Quartet, "The Emperor Quartet Op. 76 No. 3" (Haydn) (C1470).
 6.53: Tacet.
 7.0: News and Market Reports.
 8.0: Chimes.
 Presentation of the Three Act Play, "The Romantic Young Lady," translated from Spanish by Helen and Harley Granville-Baker, and published by Sidgwick and Jackson; by Mrs. Zoe Bartley Baxter and Company.
 Characters: Rosario (the Romantic Young Lady), Una Moore; Dona Barbarita (the Romantic Grand Mamma, who had secured three husbands), Zoe Baxter.
 Maria Pepa—Dona Barbarita's maid since her very young days, Peggy Green.
 Amalla (A dancer known as La Malaguena), Erica Blamires.
 The Apparition (who comes in at the window), Hugh Woods.
 Emilio (Rosario's), Lees Bullot.
 Mario three, Roy McElroy.
 Pepa Brothers, Cedric Sahara.
 Don Juan (the author's friend), Dick Hudson.
 Overture—Orchestra Symphonique de Paris, "Ballet Egyptien Allegro" (Luigini) (Columbia 02785).
 Act. 1: The Home of Don Barbarita.
 Entr'acte—Orchestra Symphonique de Paris, "Ballet Egyptien Allegretto" (Luigini) (Columbia 02785).
 Act. 2: Studio of the Apparition.
 Entr'acte—Orchestra Symphonique de Paris, "Ballet Egyptien Andante" (Luigini) (Columbia 02786).
 Act 3: The Home of Don Barbarita.
 Finale—"Ballet Egyptien Finale" (Luigini) (Columbia 02786).
 God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, MAY 23.

- 3.0: Chimes. 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 session—"Columbia" Hour.
 Orchestral—Orchestra Symphonique de Paris, "L'Arlesienne Suite" (Bizet): (1) Prelude, (2) Entr'acte—Pastorale, L'Echange de Vaccaries, (3) Choeurs—Suiant la Pastorale (01324/5).
 6.12: Tacet.
 6.15: Selection—Columbia Symphony Orchestra, "Faust" (Gounod) (02708).
 Violin—Toscha Seidel, "Chanson Arabe" (Rimsky-Korsakov) (09505).
 6.27: Tacet.
 6.30: Orchestral—Orchestra Symphonique de Paris, "L'Arlesienne. (1) La Cuisine de Castelet; (2) Minuetto; (3) Le Carillon; (4) Adageitto (Bizet) (01326/7).
 6.42: Tacet.
 6.45: Orchestral—Orchestra Symphonique de Paris, "Farandole."
 Band—Band Garde Republicaine de France, "Carmen Entr'acte."
 6.56: Tacet.
 7.0: News session, market reports and sports results.
 7.40: Lecturette—Mr. N. R. Jacobsen, "Simple Explanations of Scientific Phenomena."
 The programme will be interrupted to permit of a relay of a sound film feature shown at the Majestic Theatre.
 8.0: Chimes.
 Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "La Syrene" (Alba).
 Soprano—Miss Gretta Stark, "One Fine Day" (Puccini).
 Piano—Miss Ruby Adell, "Nocturne in A" (Chopin).
 Baritone—Mr. Ray Kemp, Recitative and Aria, "Tis I, Coppelius."
 Duet—Miss Gretta Stark and Mr. Will Hancock, "Are You Going to Dance" ("Count of Luxembourg") (Lehar).
 Selection—2YA Orchestra, "A Persian Princess" (Finck).
 Entertainers—Mr. and Mrs. Albert Russell, Humour, "That's How I Like 'Em" (David); Duet, "Cream in My Coffee" (de Silva, Brown and Henderson); Song, "Come, Sing to Me" (Thompson).
 Instrumental—Efrem Zimbalist, "Orientale" (Cui) (Columbia 03624).
 Contralto—Mrs. Ray Kemp, "Romance" ("Our Miss Gibbs" (Monckton).
 Duet—Messrs. Will Hancock and Ray Kemp, "Qui Vive" (Planchette).
 Selection—2YA Orchestra, "The Dancing Mistress" (Monckton).
 Weather report and announcements.

Soprano—Miss Gretta Stark, "Huguette Waltz" ("The Vagabond King")
 Duet—Mr. Will Hancock and Mrs. Ray Kemp, "When We Are Married."
 Concert Waltz—2YA Orchestra, "Je T'Aime" (I Love Thee).
 Entertainers—Mr. and Mrs. Albert Russell, (a) "A Land Fit for
 Heroes to Live In" (Lee); (b) Duet, "Tip Toe Thru' the Tulips."
 Record—Band of H.M. Coldstream Guards, "New Sullivan Selection."
 Tenor—Mr. Will Hancock, "A Love Nest for Two" (Lohr).
 Duet—Miss Gretta Stark and Mrs. Ray Kemp, "Nocturne" (Denza).
 Record—Instrumental—W.H. Squire, "Prize Song" (Meistersingers).
 Quartet—Etude, "Huntsmen's Chorus" (Weber) (Der Freischütz).
 March—2YA Orchestra, "Strauss March" (Mezzacapo).
 God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, MAY 23.

- 3.0 : Afternoon session.
 4.25 : Sporting results.
 4.30 : Close down.
 5.0 : Children's hour, "Peterkin."
 6.0 : Dinner session, "Columbia" hour.
 Orchestral—Herman Finck and his orchestra, "Waldteufel Memories"
 (Arr. Finck) (02985).
 Cello—W. H. Squire, "Gavotte" (Mehul) (03646).
 Mandolin Band—Circolo Mandolinistico, "Torna a Surriento."
 6.13 : Tacet.
 6.15 : Band—B.B.C. Wireless Military Band, "Dance of the Tumblers."
 Octet—Squire Celeste Octet, "Funeral March of a Marionette."
 Saxophone—Chester H. Hazlett, "Valse Inspiration" (Hazlett).
 Orchestral—Plaza Theatre Orchestra, "Pearl o' Mine" (Fletcher).
 6.28 : Tacet.
 6.30 : Waltz—New Concert Orchestra, "Nights of Fragrance" (Ziehrer).
 Quartet—Squire's Celeste Octet, "Air on G String" (Bach) (01713).
 Saxophone—Chester Hazlett, "To a Wild Rose" (MacDowell) (01627).
 Orchestral—Plaza Theatre Orchestra, "Bal Masque" (Fletcher).
 6.43 : Tacet.
 6.45 : Selection—Circolo Mandolinistico, "Stephanie Gavotte" (Czibulka).
 Band—B.B.C. Military Band, "Golliwog's Cake Walk" (Debussy).
 Cello—W. H. Squire, "Madrigale" (Simonetti-Squire) (03646).
 Waltz—New Concert Orchestra, "Vienna Maidens" (Ziehrer) (02979).
 6.58 : Tacet.
 7.0 : News session.
 8.0 : Chimes.

POPULAR AND DANCE PROGRAMME.

- 8.1 : Overture—Jack Hylton's Orchestra, "A Room With a View" (Coward).
 8.5 : Tenor—Mr. L. C. Quane, "Come to the Fair" (Martin).
 8.9 : Violin—Miss Irene Morris, "La Cinquantaine" (Marie).
 8.12 : Recitation and monologue—Miss Lily Kinsella, (a) "The Photo-
 grapher's Charm" (M.S.); (b) "The Picture Pianiste" (Hastings).
 8.18 : Moments at the piano—Mr. Les. Grummitt, "Improvisations on Popu-
 lar Airs" (M.S.).
 8.23 : Mezzo-contralto—Mrs. Rhys Morgan, "Five Little Piccaninnies."
 8.27 : Instrumental—Christchurch Broadcasting Trio, (a) "Dialogue" (Bach-
 mann); (b) "Second Valse" (Godard).
 8.36 : Humour—Mr. George Titchener, "The Cruise of the Ancient Lights."
 8.41 : Popular Song—Mr. Robert Allison, "When the Sergeant Major's on
 Parade" (Longstaffe).
 8.45 : Violin—Miss Irene Morris, "Rustic Dance" (Squire).
 8.49 : Tenor—Mr. L. C. Quaine, (a) "Mary" (Richardson); (b) "There's a
 Land" (Allitsen).
 8.56 : Musical monologue at the piano—Miss Lily Kinsella, (a) "Greetings"
 (Parker); (b) "A Novel on the Bovril Principle" (Fane).
 9.1 : Weather forecast and announcements.
 9.3 : Tickling the ivories—Mr. Les. Grummitt, will improvise on well-
 known songs.
 9.8 : Mezzo-contralto—Mrs. Rhys Morgan, (a) "The Night has a Thousand
 Eyes" (Lambert); (b) "A Venetian Song" (Tosti).
 9.14 : Instrumental—Christchurch Broadcasting Trio, "The Old Refrain"
 (Kreisler); "Serenade" (Trötl); "Hungarian Dance, No. 2."
 9.23 : Baritone—Mr. Robert Allison, (a) "Border Ballad" (Cowen); (b)
 "Home Little Maori Home" (Alfred Hill).
 9.27 : Humour—Mr. George Titchener, "The Siren of Spain" (Hunter).
 9.32 : Dance music until 11 p.m. "H.M.V."
 One-step—Jack Hylton and his Orchestra, "Moscow" (Evans).
 Foxtrot—Jack Hylton and his Orchestra, "My Wife is on a Diet."
 Foxtrot—The High Hatters, "The Web of Love" (Cowan, Tittsworth).
 Foxtrot—Charles Dornberger and his Orchestra, "Campus Capers."
 Foxtrot—Johnny Hamps Kentucky Serenaders, "Sunny Side Up."
 Foxtrot—The High Hatters, "I'm in Love with You."
 9.48 : Waltz—The Troubadours, "Alice Blue Gown" (McCarthy-Tierney).
 Waltz—Nat Shilkret and his Orchestra, "Dream Lover."
 10.3 : Foxtrot—Nat Shilkret and his Orchestra, "Broadway Baby Dolls."
 Foxtrot—Nat Shilkret and his Orchestra, "You Wouldn't Fool Me
 Would You" (de Sylva, Brown, Henderson) (EA670).
 Foxtrot—Rudy Vallee and his Connecticut Yankees, "A Little Kiss
 Each Morning" (Woods) (EA665).
 Foxtrot—Henry Busse and his Orchestra, "After the Clouds Roll By."
 10.15 : Waltz—Nat Shilkret and his Orchestra, "Until the End."
 Waltz—Jack Hylton and his Orchestra, "Tondeleyo" (Gay) (B5721).
 Foxtrot—Leo Reisman and his Orchestra, "My Sweetest Than Sweet."
 Foxtrot—Nat Shilkret and his Orchestra, "Wishing and Waiting for
 Love" (Clarke-Akst) (B5689).

- 10.30 : Foxtrot—Jack Hylton and his Orchestra, "Jollity Farm" (Sarony).
 Foxtrot—The High Hatters, "Aren't We All" (de Sylva, Brown,
 Henderson) (EA656).
 Foxtrot—Jack Hylton and his Orchestra, "On Her Doorstep Last
 Night" (Hargreaves, Damerall, Tilsley) (B5744).
 Foxtrot—The High Hatters, "You've Got Me Picking Petals off of
 Daisies" (de Sylva, Brown, Henderson) (EA656).
 10.45 : Waltz—The Troubadours, "Beautiful Lady" (McLennan-Caryll).
 Foxtrot—The High Hatters, "Nobody's Using it Now."
 Foxtrot—Johnny Johnson and his Orchestra, "Just You Just Me."
 Waltz—Nat Shilkret and Orchestra, "Love Me" (Lemoir Morse Aivaz).
 Foxtrot—Jack Hylton and his Orchestra, "Yours Sincerely."
 Foxtrot—The High Hatters, "My Love Parade" (Grey, Schertzinger).
 Foxtrot—Ted Weems and his Orchestra, "Sophomore Prom."
 Foxtrot—Johnny Johnson and his Statler Pennsylvanians, "You're
 Responsible" (Clare, Levant) (EA659).
 Foxtrot—Ted Weems and his Orchestra, "I Don't Want Your Kisses"
 (If I can't have your love) (Fisher Brookes) (EA654).
 11.0 : God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, MAY 23.

- 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 music, "H.M.V." hour.
 Overture—National Symphony Orchestra, "Orpheus in Hades."
 Instrumental—San Francisco Symphony Orchestra, "Caprice Viennois."
 6.12 : Tacet.
 6.15 : Instrumental—New Light Symphony Orchestra, (a) "Spring Song"
 (Mendelssohn); (b) "Narcissus" (Nevin) (Zono. ED111).
 Instrumental—San Francisco Symphony Orchestra, "Coppelia Ballet."
 Violin—Fritz Kreisler, "Tango Albeniz" (arrgd. Kreisler) (DA1009).
 6.28 : Tacet.
 6.30 : Instrumental—Philadelphia Symphony Orchestra, "Invitation to the
 Waltz" (Weber) (D1285).
 Instrumental—San Francisco Symphony Orchestra, (a) "Serenade"
 (Moszkowski); (b) "Oriental" (Auber) (ED6).
 6.42 : Tacet.
 6.45 : Orchestral—San Francisco Symphony Orchestra, "Valse de Concert."
 Instrumental—San Francisco Symphony Orchestra, "Liebeslied."
 6.57 : Tacet.
 7.0 : News session.
 8.0 : Chimes.
 Overture—St. Louis Symphony Orchestra, "Tingal's Cave."
 8.9 : Soprano—Miss Molly Vickers, (a) "Arise O Sun" (Day); (b) "She is
 Far from the Land" (Lambert).
 8.16 : Trio—4YA Studio Trio, (a) "Andante and Variations" (Hummel); (b)
 "Ronda Alla Turca" (Hummel).
 8.28 : Sketch—Winkel-Lampen Radio Players, "In and Out of a Punt."
 8.34 : Piano—Mrs. C. Drake, "Dance Negre" (Scott).
 8.37 : Baritone—Mr. Arthur W. Alloo, "Prince Ivan's Song" (Allitsen).
 8.40 : Organ—Jesse Crawford, "I Love to Hear You Singing" (Haydn-Wood).
 8.44 : Mezzo-contralto—Miss Helen E. Roy, (a) "Long Ago" (Speaks); (b)
 "Her Rose" (Smith).
 8.50 : Instrumental—Messrs. Max Scherek and J. A. Wallace, "Sonata for
 Violin and Piano" (1st and 2nd movements) (Grieg).
 8.58 : Tenor—Mr. J. Swan, "Sincerity" (Clarke).
 9.1 : Weather report.
 9.3 : Orchestral—San Francisco Symphony Orchestra, "Valse de Concert."
 9.11 : Soprano—Miss Molly Vickers, "Ave Maria" (Kahn).
 9.14 : Sketch—Winkel-Lampen Radio Players, "Packing Up" (Melford).
 9.19 : Trios—4YA Studio Trio, "Extase" (Ganne); "Scherzo in E Flat"
 (Schubert); "Serenata" (Toselli).
 9.36 : Baritone—Mr. Arthur W. Alloo, (a) "Red Devon by the Sea" (Clarke);
 (b) "Tho' All the Stars" (Holbrooke).
 9.42 : Cello—Mr. P. J. Palmer, "Elegel" (Palmer).
 9.47 : Mezzo-contralto—Miss Helen E. Roy, "In Late September" (Barker).
 9.57 : Orchestral—Symphony Orchestra, "La Vide Breve" (de Falla).
 9.51 : Tenor—Mr. J. Swan, (a) "Come to the Fair" (Martin); (b) "Mary."
 10.1 : God Save the King.

Saturday, May 24

IYA, AUCKLAND (900 KILOCYCLES)—SATURDAY, MAY 24.

- 2.45 : Relay of description of Rugby football match from Eden Park. An-
 nouncer. Mr. Gordon Hutter.
 4.30 : Close down.
 5.0 : Children's session, conducted by Cinderella.
 6.0 : Dinner Session, "H.M.V." Hour.
 Orchestral—Boston Symphony Orchestra, "Frühlingstimmen" (Johann
 Strauss) (ED11).
 Organ—Jesse Crawford, "Serenade" (Romberg) (EA638).
 Band—National Military Band, "Ben Hur" (Byng) (A365).
 6.13 : Tacet.
 6.15 : Orchestral—Vienna Philharmonic, "Dorfschwalben" (Strauss).

- Violin—David Wise, "Canzonetta" (D'Ambrosio) (Zonophone 5420).
 Orchestra—Jack Hylton and His Orchestra, "Steppin' Out" (Vau-
 chant) (B5727).
- 6.29: Tacet.
 6.30: Orchestra—New Mayfair Orchestra, "Wake Up and Dream" (Porter).
 Jesse Crawford, "Indian Love Call" (Friml) (EA638).
 Orchestra—International Novelty Orchestra, "To Die Dreaming."
 Orchestra—International Novelty Orchestra, "Four Little Farms."
- 6.43: Tacet.
 6.45: Orchestra—Jack Hylton and His Orchestra, "Old Time Songs."
 Violin—David Wise, "Cavalleria Rusticana" (Mascagni).
 Orchestra—Jack Hylton and His Orchestra, "Lonesome Little Doll"
 (Cowan-Boutelje) (B5727).
- 6.59: Tacet.
 7.0: News and Market Reports.
 8.0: Chimes.
 Selection—1YA Orchestral Octet, under the direction of Mr. Eric Wat-
 ers, "Good News" (arrgd. Guy Jones).
 8.10: Baritone—Fraser Gange, "Rolling Down To Rio" (German).
 8.16: Soprano—Mrs. A. Rattray, "When the Heart is Young" (Buck).
 8.20: Banjo-Mandolin—Miller's Quartet, "Home Town Band" (Weidt); "My
 Song of the Nile" (Meyer).
 8.30: Concerted—Singing Sophomores, "Chole" (Kahn) (Col. 01088).
 8.33: Waltz—1YA Orchestral Octet, "New Vienna" (Strauss).
 8.43: Character Sketch—Mr. G. C. Tollerton—"A Cockney at the Theatre"
 (Own Arrangement).
 8.49: Organ—Terence Casey, "Bird Songs at Eventide" (Coates).
 8.52: Foxtrots—1YA Orchestral Octet, (a) "Maise" (Carlo); (b) "Goblin
 Blues" (Carlo).
 9.0: Evening forecast and announcements.
 9.2: Soprano—Mrs. A. Rattray, (a) "Banks and Braes" (Burns); (b)
 "Angus Macdonald" (Roedel).
 9.9: Novelty Orchestra—Flanagan Brothers, "Irish Hornpipe"; "Chicken
 Reel"; "Turkey in the Straw"; "Arkansas Traveller" (trdtl.).
 9.15: Cornet solo with Orchestra accompaniment, 1YA Orchestral Octet, (a)
 "Waltz" from "Lilac Time" (Schubert-Clutsam); (b) "Globe Trot-
 ter March" (Leopold).
 9.24: Character Sketch—Mr. G. C. Tollerton, "Excelsior With Variations"
 (Own Arrangement).
 9.32: Organ—Terence Casey, "I'm Lonely" (Coates) (01501).
 9.36: Banjo-Mandolin Quartet—Miller's Quartet, (a) "If I Had a Talking
 Picture of You" (De Sylva); (b) "One Kiss" (Romberg).
 9.46: Concerted—Singing Sophomores, "My Old Home" (Kahn).
 9.50: Orchestra—1YA Orchestral Octet, "Latest Novelties."
 10.0: Programme of Dance Music, "H.M.V." Hour.
 Foxtrot—Waring's Pennsylvanians, "Won't You Tell Me, Hon" (Lewis).
 Foxtrot—Rio Grande Band, "Dites Moi Ma Mere" (Yvain).
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "The Album of
 My Dreams" (Davis-Arluck) (EA629).
 Foxtrot—Rio Grande Band, "Valentine" (Christine) (B5701).
 10.12: Vocal—Maurice Elwin, "I've Never Seen a Smile Like Yours" (John-
 son) (Zonophone EE172).
 Foxtrot—Irving Aaronson and His Commanders, "Outside" (Flynn).
 Foxtrot—George Olsen and His Music, "I'm in Seventh Heaven" (De
 Sylva) (EA588).
 Foxtrots—Rudy Vallee and His Connecticut Yankees, "My Queres"
 (Vallee) (EA620).
 Waltz—Rudy Vallee and His Connecticut Yankees, "You Want Lovin'"
 (Osterman) (EA649).
 Waltz—Nat Shilkret and His Orchestra, "Let Me Have My Dreams"
 (Clarke, Akst) (EA627).
 10.30: Humour—Duet, Dora Maughan and Walter Fehl, "A Woman Who
 Knows" (Ruskin) (B3011).
 Foxtrot—George Olsen and His Music, "Little Pal" (De Sylva).
 Foxtrot—Jack Hylton and His Orchestra, "Everybody Loves You"
 (Dubin Little) (B5651).
 Foxtrot—Rudy Vallee and his Connecticut Yankees, "Lonely Trouba-
 dour" (Klennner) (EA649).
 Foxtrot—Nat Shilkret and His Orchestra, "Am I Blue?" (Clarke,
 Akst) (EA627).
 10.45: Vocal—Paul Oliver, "Evangeline" (Rose, Jolson) (Zono. EE172).
 Foxtrot—Jack Hylton and His Orchestra, "Don't Hold Everything"
 (De Sylva) (B5651).
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "Perhaps"
 (Razaf) (EA629).
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "On the Alamo"
 (Kahn) (EA620).
 Waltz—Jack Hylton and His Orchestra, "Let Me Dream in Your Arms
 Again" (Nicholls) (B5696).
 11.0: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, MAY 24.

- 3.0: Chimes. 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 session—"Columbia" Hour.
 March—National Military Band, "National Emblem" (Bagley).
 Cello—W. H. Squire, "The Broken Melody" (Van Veine) (04180).
 Albert Sandler's Orchestra, "I Kiss Your Hand, Madame" (Erwin).
 Kinema organ—G. T. Pattman, "Cherie Waltz" (Valentine) (01344).

- 6.12: Tacet.
 6.15: Court Symphony Orchestra, "The Gondalliers" (Sullivan) (979).
 Paul Whiteman's Orchestra, "Gypsy" (Gilbert) (07505).
 6.27: Tacet.
 6.30: Albert Sandler's Orchestra, "Chalita" (Schertzing) (01467).
 Padilla's Marimba Serenaders, "Paree" (Padilla) (Regal G20344).
 Piano—Gil Dech, "Sometimes I'm Happy" (Youmans) (01205).
 Royal Serbian Tambouritza Orchestra, "Serbian Melody" (01490).
 6.42: Tacet.
 6.45: Intermezzo—Ketelbey's Orchestra, "Bells Across the Meadow."
 Rio Marimba Serenaders, "Dolores Waltz" (Waldteufel) (Regal).
 Organ—G. T. Pattman, "Worryin' Waltz" (Fairman) (01344).
 March—National Military Band, "Stars and Stripes" (Sousa).
 6.57: Tacet.
 7.0: News session, market reports and sports results.
 7.40: Lecturette—Mr. A. E. Wilson, "Tourist and Holiday Resorts."
 8.0: Chimes.
 Overture—2YA Salon Orchestra (Conductor, Mr. M. T. Dixon), "Entry
 of the Boyards" (Halvorsen).
 8.9: Quartet—Melodie Four, "The Wedding of the Painted Doll" (Brown).
 8.13: Xylophone duo—Reno and Arta, (a) "Light Cavalry Overture"
 (Suppe); (b) "Your Mother and Mine" (Edwards).
 8.23: Tenor—Mr. S. Duncan, "Murmuring Breezes" (Jensen).
 8.27: Instrumental—Salon Orchestra, (a) "The Village Wedding" (Haydn-
 Wood); (b) "The Laughing Cavalier" (Haydn Wood).



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- 8.35: Humour—Mr. Will Bishop will entertain at the piano.
 8.45: Novelty—Fomeen Trio, "Oriental One-step" (Fomeen) (Zono. EE162).
 8.48: Mezzo-soprano—Miss Myrtle Chote, of Wanganui, F.T.O.L.L.A.B. Recit., "Armida Diopietata" Aria; "Lascia Chi Io Piango" (Handel).
 8.52: Bass with quartet—Mr. R. S. Allwright, "Good Old Jeff" (Paxton).
 8.56: Instrumental—Salon Orchestra, "Request Item."

9.0 : Weather report and announcements.

Ring description of boxing match—Leckie-Donovan on relay from Napier.

Quartet—Melodie Four, "Request Item."

Xylophone duo—Reno and Arta, (a) "Artarina Polka" (Original); (b) "Where the Bab-bab-babbling Brook" (Nelson).

Tenor—Mr. F. Bryant, "I Love to Hear You Singing" (Coates).

Cornet solo with orchestra, Mr. W. Sneddon, "My Ships" (Barratt).

Piccolo solo with orchestra, Mr. V. R. Brown, "Captive Bird" (Wilcock).

Humour—Mr. Will Bishop will again entertain.

Record—Instrumental—Wurlitzer organ, Jesse Crawford, (a) "Hawaiian Sandman" (Klickmann); (b) "I Love to Hear You Singing."

Relay from St. Andrew's Schoolroom of items from the Concert of Songs and Dances of Old Homelands by the Children of the Presbyterian Children's Homes.

Chorus—Bohemian folk songs—Bohemian Church Society of New York, (a) "To the Church Door"; (b) "To the Garden Annie Went."

Norwegian folk song—"National Song" (Traditional).

From the studio:

Bass—Mr. W. W. Marshall, "A Bachelor's Love Song" (Slater).

Record—Accordions, Fomeen Brothers, "Excerpts Rhapsody in Blue."

Soprano—Miss Myrtle Chote, F.T.O.L.L.A.B. of Wanganui, (a) "Yesterday and To-day" (Spross); (b) "A Song Remembered" (Coates).

Quartet—Melodie Four, "Carry Me Back to Old Virginny" (Bland).

Instrumental—Salon Orchestra, "Dance Novelties."

10.12: Dance programme, "Columbia" Hour.

Foxtrot—Ipana Troubadours, "Building a Nest for Mary" (Greer).

Slow foxtrot—Piccadilly Players, "Bogey Wall" (Wallace) (01567).

Foxtrot—Ipana Troubadours, "I Used to Love Her in the Moonlight."

Waltz—Rhythmic Troubadours, "My Irish Paradise" (Tilsley) (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."

Foxtrot—Piccadilly Players, "There'll Be You and I" (Green) (01639).

Foxtrot—Piccadilly Players, "I'm Tickled to Death I'm Me" (Butler).

10.27: Kinema organ—Regal Kinema Organ, "Long Ago" (Elliott), (Regal).

Foxtrot—Lou Gold's Orchestra, "Walking with Susie" (Gottler) (Regal).

Foxtrot—Paul Whiteman's Orchestra, "Reaching for Someone."

Foxtrot—Bert Low's Loungers, "Big City Blues" (Gottler) (Regal).

Waltz—Cafe Royal Band, "Forever" (Yellen) (Regal G20551).

Cavalliers, "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 : Sporting summary.

11.10: God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, MAY 24.

3.0 : Afternoon session—Gramophone recital.

4.25: Sports results.

4.30: Close down.

5.0 : Children's hour, "Aunt Pat."

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

Selection—Kauffman's Orchestra, "The Gipsy Baron" (Strauss).

Waltz—La Vittoria Orchestra, "Wedding of the Winds" (Hall).

6.12: Tacet.

6.15: Orchestral—Piccadilly Orchestra, "If Only I Had You" (Davis).

Orchestral—Piccadilly Orchestra, "Lolita" (Ferrete) (B2713).

Hawaiian—Kolomoku's Honoluluans, "Aloha-oe" (Liliuokalani).

Orchestral—Piccadilly Orchestra, "Charmaine" (Rapee) (B2528).

6.27: Tacet.

6.30: Selection—New Mayfair Orchestra, "This Year of Grace" (Coward).

Orchestral—Waring's Orchestra, "Ah! Sweet Mystery of Life."

Hawaiian—Kolomoku's Honoluluans, "Three O'Clock in the Morning."

6.42: Tacet.

6.45: Orchestral—Victor Concert Orchestra, "Minuet in G" (Paderewski).

Orchestral—Victor Concert Orchestra, "Amaryllis" (Thys).

Orchestral—Piccadilly Orchestra, "Bird Songs at Eventide" (Coates).

Waltz—International Concert Orchestra, "Blue Danube" (Strauss).

6.57: Tacet.

7.0 : News session.

7.30: Sports results.

8.0 : Chimes.

Vaudeville and Dance Programme.

Orchestral—Dajos Bela Orchestra, "Electric Girl" (Helmberg-Holmes).

8.5 : Discourse—Mr. Frank Moran, "Do Married Men Make the Best Husband?" (Moran).

8.12: Happy songs at the piano, with ukulele—The Joyous Pair, (a) "Sing a Little Love Song" (Gottla); (b) "My Sweeter than Sweet."

8.19: Vocal novelty—Charles King, "Everybody Tap" (Yellen-Ager).

8.22: A minstrel pot-pourri—Four Boys and a Piano, "In a Minstrel Revue" (MS.).

8.42: Organ—Lew White, "If I'm Dreaming" (Banks) (Brunswick 4691).

8.45: Soprano—Miss Mary O'Connor, "There's a Light in Your Eyes."

8.53: Baritone—Mr. R. S. H. Buchanan, "Simon, the Cellarar" (Hatton).

8.57: Clarinet solo—Mr. S. E. Munday, "Beneath Thy Window."

9.0 : Weather report and announcements.

9.6 : Orchestral—Dajos Bela Orchestra, "Eldgaffeln" (Landen).

9.10: Sketch—Mr. Frank Moran, "The Curate and the Congregation."

9.20: More happy songs at the piano—The Joyous Pair, (a) "Happy Days are Here" (Ager); (b) "Roses in June" (Morel).

9.27: Organ—Lew White, "Shepherd Serenade" (Stothart).

9.30: Vaudeville—Four Boys and a Piano, "A Potted Revue" (MS.).

9.50: Clarinet solo—Mr. S. E. Munday, (a) "On the Sea Shore" (Mendelssohn); (b) "Spring Song" (Mendelssohn).

9.55: Soprano—Miss Mary O'Connor, (a) "The Ninepenny Fiddle" (Hughes); (b) "Irish Folk Song" (Foote).

Baritone—Mr. R. S. H. Buchanan, (a) "Gipsy Love Song" (Herbert); (b) "Jack Briton" (Squire).

10.7 : Dance music until 11 p.m.—"Brunswick."

Foxtrot—Six Jumping Jacks, "The Whoopie Hat Brigade" (Siegel).

Foxtrot—Cotton Pickers, "No Parking" (Chase) (4440).

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."

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" (Simons) (4386).

Foxtrot—Lyman's California Orchestra, "Junior" (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."

Foxtrot—Colonial Club Orchestra, "If You Believe in Me" (Gilbert).

Foxtrot—Carl Fenton's Orchestra, "Smiling Irish Eyes" (Ruby).

Foxtrot—Carl Fenton's Orchestra, "Love is a Dreamer" (Green).

11.0 : God Save the King.

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10.45: Vocal—Buddy Morgan and his Veterans, "Sergeant Flagg and Sergeant Quirt" (Klein) (01782).
 Foxtrot—Jack Payne and the B.B.C. Dance Orchestra, "Wake Up and Dream"—Looking at you (Cole Porter) (01762).
 Foxtrot—Paul Whiteman and his Orchestra, "When You're Counting the Stars Alone" (Rose) (07029).
 Foxtrot—Paul Whiteman and his Orchestra, "Let's Do It" (Porter).
 Waltz—Paul Whiteman and his Orchestra, "Love Me" (Morse).

11.0: God Save the King.

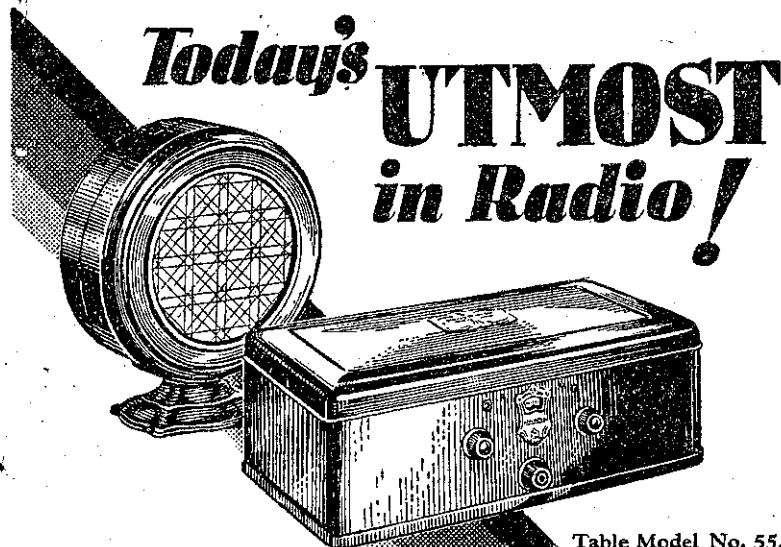
Programme Features

Monty Carlo, better known as Edith Barry).

A new combination, Miller's Banjo-Mandolin Quartet, will render numbers including "If I Had a Talking Picture of You," and "My Song of the Nile." Mr. G. C. Tollerton, a very fine humorist, has been included on the pro-

(Concluded from page 11.)

including two lighter numbers, "Maisie" and "Goblin Blue" (by



Today's UTMOST in Radio!

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gramme, also Mrs. A. Rattray (soprano) who has made herself very popular with listeners. Mrs. Rattray will sing by request, "Ye Banks and Braes."

From 2YA.

Variety in Plenty

AT 7.40 Mr. A. E. Wilson, of the Tourist Department, will deliver a lecturette on "Tourist and Holiday Resorts."

An excellent vaudeville programme has been arranged, the Salon Orchestra playing "The Entry of the Boys" as an overture, two Haydn Wood compositions, "The Village Wedding" and "The Laughing Cavalier" (broadcast for the first time) and several of the latest dance numbers. Mr. W. Sneddon will play as a cornet solo with orchestral accompaniment "My Ships," and Mr. V. R. Brown, a piccolo solo "The Captive Bird." Reno and Arta, the well-known xylophone duo, will feature several popular numbers and Mr. Will Bishop will entertain at the piano. Vocal items will be rendered by the Melodie Four, and Miss Myrtle Chote, F.T.C.L., L.A.B., of Wanganui. A feature of the programme as arranged will be a relay of several items from the concert of Old Songs and Dances by the children of the Presbyterian Homes. The choir, which performs under the conductorship of Mr. D. L. Irwin, will be heard in songs of Bohemia and Norway.

The evening's programme will be interrupted at 9 o'clock by the inclusion of the relay from Napier of a ringside description of the Leckie-Donovan boxing match.

From 3YA.

THERE will be plenty of variety from 3YA. Mr. Frank Moran will discourse on the question "Do Married Men Make the Best Husbands?" and he will also present a sketch entitled "The Curate and the Congregation." "Four Boys and a Piano" will give what they call "A Minstrel Pot Pourri" (a negro entertainment) and "A Potted Revue." Miss Mary O'Connor (soprano) will sing two Irish folk songs, and the songs Mr. R. S. H. Buchanan (baritone soloist of the Cathedral Choir) will sing will prove very acceptable. One of the latter will be the old favourite, "Simon the Cellarer." Some of the very latest popular songs will be sung by the Joyous Pair, and two clarinet solos will be played by Mr. S. E. Munday.

Our Mailbag

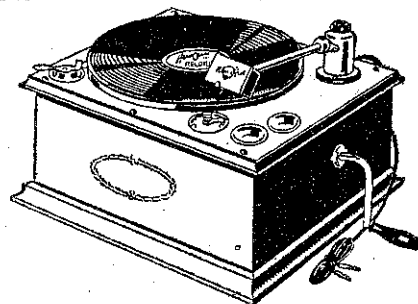
(Concluded from page 6.)

way with the plant? New Zealand, taken as a whole, only has one station, 2YA. It is becoming a national calamity, as letters are appearing from all over New Zealand on the awful mush sent out. I tuned in 16 stations last Sunday night, May 4; none were distorted, but every time I tried 2YA even the announcer was unintelligible. Five listeners in this district consider their 30/- simply thrown away, and as the broadcasting company can't be sending men all over the country I think it is not only in the listeners' interest but their own to do something and let us know per "Record."—"Sick of It" (Taranaki).

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New—But Very Old Prize Poem Competition

HELIO THERAPY, or sun cure, which is attracting so much attention to-day in the medical world, is of immemorial antiquity, remarks the "New Zealand Health Journal." In ancient Egypt, mothers took their children down to the sandy shores of the Nile and allowed them to paddle and lie about naked for hours in the sunshine. Records show that the health-giving qualities of sunlight were well understood, even though neither Egyptian mothers nor physicians knew anything of ultra-violet rays, which are a markedly valuable constituent of sunlight.

China practised sun-bathing long centuries ago, and so did the Indians of South America. But in Europe, where, except in the southern countries, there is comparatively little sunlight, the sun-bath and heliotherapy in its widest sense are practically a post-war development.

It should be remarked that so long as 400 years ago a "sea-bathing" hospital was established at Margate, on the East Coast of England, where the combined benefits of sun-and-sea bathing effected many notable cures.

The new cult had its origin in England. A few years ago a philanthropic woman, who was crippled by a tuberculous affection of the hip, interested herself in poor children similarly affected. She founded a children's free hospital in her own home, but before long the house became too small for the number of patients who sought admittance, so she built a number of shuttered but windowless shelters in the grounds. These were lighted on all sides, not for any set purpose, it should be noted, but because it was cheaper.

It was not long before it was discovered that the children who had their quarters in the sleepouts, as these shelters were called, thrived in a manner for which it was difficult to account.

It could not be fresh air alone, for all the other children lived in airy quarters.

The doctor in attendance became interested, and through him other doctors. Eventually it was decided it was sunlight as well as fresh air that was effecting such a remarkable improvement in the health of the young patients.

Heliotherapy sprang suddenly into life, or, to be more exact, took on a new lease of life, not in England only, but in Europe and America. Ultra-violet rays are found to be germicidal, to powerfully stimulate the nervous system, and as they are absorbed into the blood they give it the power of ridding itself of poisonous bacteria.

THE prize of half a guinea this week is awarded to "J.C." for her admirable stanza, and many readers, we are sure, will join us in admiration of its stately music. We like the gentle beauty of the poem forwarded by "A.N.S.C." and hope to use it at some convenient season. "Kowai" sings of the bell-bird in his garden rather lengthily, but with some success.

M.S.N. tells the world in jingly rhyme how pleased he is with his bride. "You bachelors; you bachelors," he complacently asserts, "What ill content is yours! You've lost the fairest girl in all the world." Well, well!

S.D.S.—Your verselet is quite well done, except that it's too obvious. Edith C.—Admirable sentiment, but surely the world's worst poem.

"Jackdaw's" effort is too slight altogether.

"Dorothy Dee's" domestic ditty is below standard.

"Becky" writes: "I thought 'The Major's Daughter' quite perfect of its kind. 'Chansonette' was also very dainty and attractive."

"Roderick."—All very well in its way, but it's been better done times without number.

A Tribute

*April comes slowly down, the mist of years,
And gently throws her garland in the ring,
And sets the world a-laughing!
Then backward turns, for there with pennants flying,
And beat of drums, comes marching down the centuries
The Warrior-Saint of England.
And then great Shakespeare, with his knightly band,
His heroes, villains, kings and pageantry,
Pays tribute to her greatness.*

*And, smiling, April goes her way, her triumphs now complete,
When Anzac showers its laurels with their glory at her feet.*

—J.C.

Still Cheaper

THE Wellington City Council have decided to apply £16,000 of £60,000 profit made by the Electricity Department during the financial year just ended to the further reduction of charges to consumers. Rates were last reduced as recently as January last. Night-time water heating charges

are to be reduced thirty-three and a third per cent., commercial lighting is to be subject to a discount of 10 per cent. instead of 5 per cent. provided for at the last revision, and private consumers are to pay only one penny per unit for any consumed over the first 8 at 5d. for five-roomed houses. With the completion of the change-over in voltage, we foresee great extension in the use of electricity in Wellington.

The Milking Motor-Van

IN this country, except for a very few weeks during the year, cows are brought in twice a day from the field to be milked. This, however, is not the practice everywhere. In Belgium, the cow is often brought along the street, and milked according to the customer's requirements.

A more practical alternative, from the herd-owner's point of view, now obtains in some parts where use is made of a milking-van. The van is equipped with milking machines, which are driven electrically off the motor fitted to the vehicle.

By the use of this van, the cows are left to graze peacefully the whole of their time, and the risks of driving them along motor-infested roads is avoided. In addition to these advantages, pastures at a considerable distance from the farm buildings can be utilised.

More—But Better

THE majority of women to-day have very well-conceived ideas as to what should and—perhaps, what is more important—what should not obtain as far as interior decoration is concerned, but it may not be amiss to point out that there is yet a "fresh world for them to conquer." The average home of to-day does not, indeed, require less decorating, less comfort, or less beauty. It needs more of all these things, but to a greater degree it needs infinitely more and better planning.

An English author recently said that man to-day does what he has always done and little more; but, on the other hand, the modern woman's strength, time, abilities, and capacities are daily called upon to accomplish more, and assistance is needed in planning better homes. To give of its best, this assistance must be electrically guided—and intelligently planned.

There should be room in the electrical industry to-day for the woman who understands what adequate electrical service means, the woman whose knowledge covers other forms of service as well; who appreciates the problems of other women. A glorious task, this, of proclaiming electricity's great accomplishment: in the words of President Hoover, "saving the rivers of sweat from the backs of men, and relieving the infinite drudgery from the hands of women."

Bath Nights--and Days

WHAT HOT WATER WILL COST YOU

New System of Instantaneous Heating

IN arriving at a satisfactory solution of the water-heating problem in so far as New Zealand—and Wellington in particular—is concerned, a new chapter has been added to its history by the recent decision of the City Council electricity department to permit the installation of instantaneous heaters, under limited conditions.

It may be said at once that these conditions are eminently reasonable, and will in no way affect the high efficiency of these heaters, which are, at the moment, practically the only means of obtaining instant hot water for baths and other household purposes, electrically.

At first sight the charge per kilowatt per month, and the charge per unit of electricity consumed may appear to be heavy, but a few moments' consideration reveals that this charge is concentrated on the limited number of hours (in most cases, half-hours or minutes) when the heater is actually in operation; whereas, with the employment of the storage type of heater, the lesser cost is chargeable over a much larger time, so that comparison is not necessarily unfavourable to the instantaneous type.

While supply authorities generally cannot be expected to favour this type, on account of the increase of load during the ordinary hours of demand, and the fact that it provides no outlet for night-time supply when other demands are at their lowest, it is felt that it would be unduly arbitrary to prohibit their installation.

From the consumers' point of view the instantaneous method is ideal, and

in Sydney, where several thousands are installed at ordinary rates, chiefly as bath-heaters, no serious interference with ordinary supply is experienced. Their installation is not discouraged, because they lead to a more extended use of electricity for domestic purposes.

To sum up, the situation would appear to be that for those to whom an instantaneous supply of hot water is of importance at all hours, the new heaters will admirably fulfil their needs, at a heavier rate of expense during the time they are in use, but not necessarily more expensive in the long run.

In the meantime, water-heaters now in use, controlled on the thermostatic system, and charged at a flat rate per month, will continue to give admirable service, and are in many cases all that is required. Heated during the night, they are so designed that only an infinitesimal degree of heat is lost when

the current is off, and they have the added advantage of being of New Zealand manufacture.

Another type, also Dominion made, for which the makers claim 25 per cent. more efficiency than any similar type on the market, is so adapted that it can be used without consumption of electricity, in conjunction with the kitchen range; or, when the range is not in use, heated electrically by the simple turn of a switch. This make, also, is proving admirably efficient in practice.

Probably the greatest single source of loss to be met with in ordinary practice, where storage types are concerned, is the use of the uninsulated tank, happily now almost a thing of the past, since radiation losses from bare tanks render insulation absolutely imperative, to attain economical heating. Another loss in efficiency occurs in localities where the water supply contains a considerable proportion of

solids, or is what is generally termed "hard."

The precipitation of these solids accelerated by heat forms scale which collects in the heating element if of the immersion type, or on the inside of the tank immediately at the back of the heater if of the clamp-on type. Its presence is generally manifested by a decrease in the supply of hot water available, or by a greater use of current for the same quantity of hot water, and its formation is so gradual that no sudden change in condition warns the user.

This scale-forming effect is very greatly heightened with increased temperatures, and for that reason, if unsoftened water must be used, tank temperatures should be maintained as low as is consistent with the requirements of the service, preferably between 150 and 160 degrees Fahrenheit.

It will therefore readily be seen that only rain or softened water should be used for systems of the storage tank type, wherever possible. The actual choice of a heater resolves itself, then, into a case of studying and meeting individual and varying requirements. In all cases, the service is inexpensive for the benefits conferred, while operation is highly efficient.

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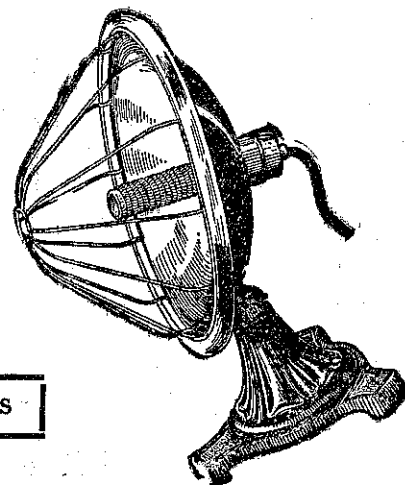
HASTINGS

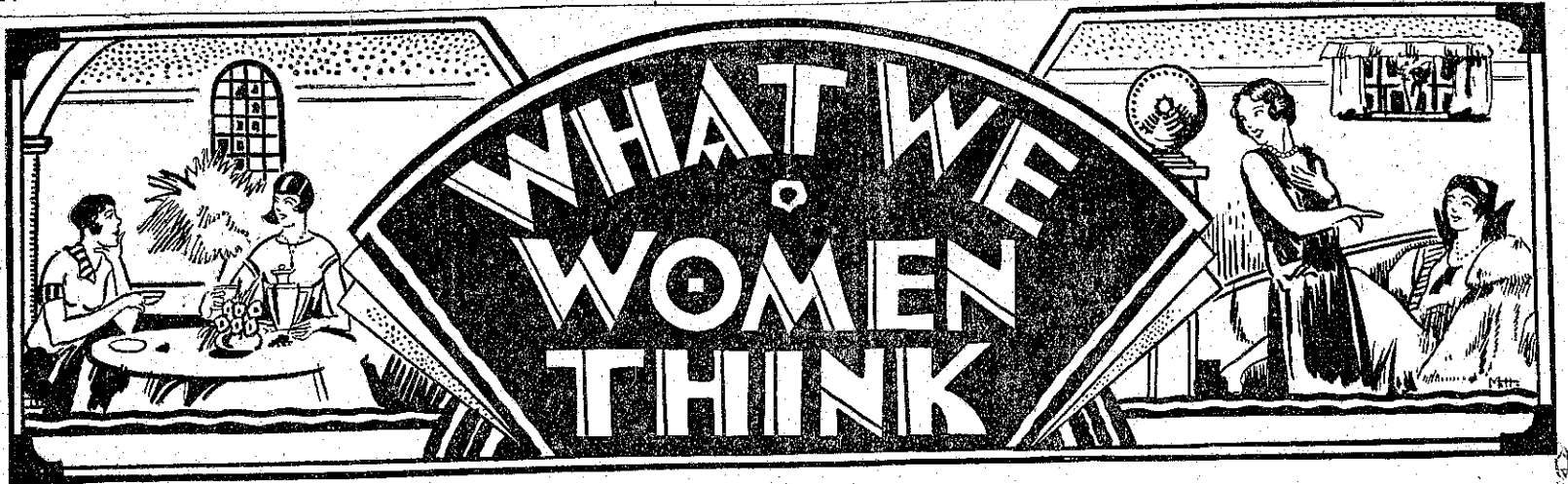
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A Tragedy of the Stage

TRULY it is said that one half of the world knows not how the other half lives, and few who have enjoyed the entertainments in America by Ziegfeld's "Follies" can have realised the rigorous life imposed on the performers. In the case of one of the "Follies" most famous beauties, it has just ended in tragedy of the saddest description, when Miss Allyn King, realising her inability to keep her weight to the dictates of her contract, jumped from the fifth story of an apartment house in New York.

In Miss King's contract was a clause that should she at any time increase her weight by more than 10lb., or decrease by more than 10lb., or to allow the dimensions of any part of her figure to vary more than half an inch from those stated, the contractor should have the right to cancel her contract. She was leading lady three years after she started with the Follies in 1916, and found it necessary to diet strenuously all the time. In 1926 she collapsed on the stage, and for two years was a patient in a sanatorium, on account of a nervous breakdown. Surely there is something radically wrong with the scheme of things when the entertainment of any part of the community demands such sacrifice.—"Tersichore," Auckland.

What is Home

THE following definition of home recently won a prize of £50 in an American competition:—

"Home is a domestic sanctuary, wrought out of desire, built into men-

ory, where kindred bonds unite the family in sharing labours, leisure, joy, and sorrows."

Honourable mention was given to other definitions in the following order:—

"Home—man's abode, made sacred by love, loyalty, and understanding, and surrounded by hallowed memories of happy days in shared experiences."

"Home—any place where dwelling is permanent and love is paramount."

"Home is the spot where the interests and affections of the family converge and fuse, and from which is radiated its composite influence."

"Home—a shelter wherein one collects possessions for enjoyment and

comfort; a permanent abode of love and contentment, to which one returns for comfort and refreshment."

Among many facetious definitions, the following sad satire on the "dry" land did not win any honourable mention:—

"Mother's in the kitchen washing up the jugs,

Father's in the cellar bottling up the suds;

Sister's in the pantry mixing up the hops.

Johnny's in the front porch watching for the cops."—Betty B.

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.

"QUEST"

*"God is is the old grey church," they said
"And all the glory that the heart has known,
Angels are there, and all the Radiant Dead,
Singing and praising at His Great White Throne."*

*I did not find Him in the dimness there
As I crept in with gentle tread and slow;
Only the incense drifting through the air,
Only the candles, burning white and low. . . .
But just without the sun shone through the rain,
A bird's voice sang an anthem to the sky,
Sudden, my heart began to beat again,
Waiting for every throbbing note to die.
And all the clouds in brave processional
Glowed with a radiance that rainbows made,
Down through the great cathedral of the trees
All reverent and slow, a whisper strayed. . .
And there against the rain-washed, vivid green
A blaze of golden gorse was everywhere,
Paving the Path to Heaven with trees between;
Singing their hymn . . . and so I found God . . . there.*

—A.N.I.C.

Our Poet Laureate

SURELY no choice could be approved more generally than that of John Masefield, poet, novelist, and dramatist, to succeed Dr. Robert Bridges to the position of Poet Laureate.

Masefield is a living example of the axiom that "poets are born, not made," for while still a lad serving before the mast at sea he was composing music for sea chanties, and before long we were to judge of his mastery of the music of the written word.

His first long, narrative poem, "The Everlasting Mercy," created something of a literary sensation, and was succeeded by "The Widow in the Bye Street," "Dauber," and "The Daffodil Fields," all of them word pictures, of the first order. His "Gallipoli" is recognised as a war classic. Philip Gibbs is said to have destroyed his own notes for a work covering part of the campaign on the Western front when he read Masefield's "The Old Front Line," feeling that he was far outstripped. It is the realism, strong feeling, and richness of emotion displayed in his works that inspires his large and faithful following, who will rejoice at the well-deserved honour bestowed upon him.—"Bookworm."

A FRIEND of mine, an exceptionally bad train traveller, was once cheered to find, on awakening after several hours on the Limited, that he felt much better than he anticipated. At the moment the train happened to be stationary. Joyfully, he remarked to his travelling companion: "By Jove, I'm feeling fine, much better than I thought. I must be getting used to it." "No wonder," was the dry reply, "we have been held up for the last two hours by a slip!"—May.

The TOMAN SUPER PICK-UP

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FOR THROAT AND VOICE

Pulmonas PASTILLES

ESPECIALLY VALUABLE

1/6 all chemists

How Would YOU Face THIS Situation?

AN everyday problem is set week-by-week, and readers are invited to send in their solutions, for which marks are awarded. Prizes are offered to those obtaining the most marks over a series of ten. First prize, £2/2/0; second prize, £1/1/0; third, 10/6, for each series.

In the event of any competitor, who has already taken a prize, winning another of the same value during the same year, such competitor will be expected to give way to the next highest score. For example, a second or third prize winner may take a first prize, a first prize may take a second or third, or a second prize winner may take a first or third, but not one of the same value during the same year.

Competitors may send in their own problems for publication and solution and a prize of 7/6 will be given for the best one sent in during each series, and 2/6 for each contributed problem used. Those sending in problems are, of course, entitled, with other competitors, to send in a solution of same. The right is reserved to publish part or the whole of any solution sent in.

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

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

PROBLEM No. 1

2nd SERIES.

Miss A. and Miss B. are friends. Miss B. is away from her home town for two years, then returns and some months later marries Mr. C.

He has previously offered marriage to Miss A. who refused him, but Miss B. (now Mrs. C.) knows nothing of this, and is continually inviting Miss A. to join parties and to visit her home. This embarrasses Miss A. because people who know of her former friendship with Mr. C. talk of her frequent appearances in his company. She has no reason to refuse her friend's invitation otherwise. Should she tell Mrs. C.?

—Suggested by "Natural."

Answers must be post-marked not later than May 15, 1930, NOT May 5, 1930, as erroneously stated in last issue.

PROBLEM No. 2

2nd SERIES.

Mr. A. and Miss B. are engaged to be married; Miss B. meets with an accident and becomes disfigured for life. Mr. A., to his intense chagrin, discovers that his affection has now almost completely vanished and he decides that he cannot possibly enter into matrimony under these conditions. Suggest the most tactful measures he can adopt to convey this information to Miss B.

—Suggested by "Radex."

Answers must be post-marked not later than May 22, 1930.

Lady (to applicant for position as gardener): "I must say you don't look much like a gardener."

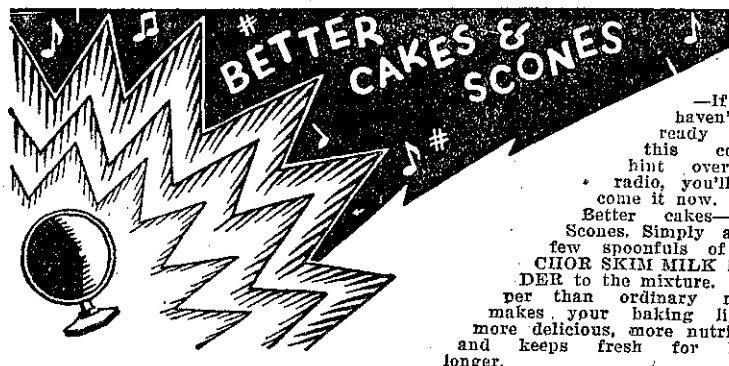
"No, madam, I am an eyebrow-plucker by profession, but, now the fashion is going out, I thought I'd turn my hand to a bit of weeding."

"What were you doing in the information booth?"

"I wanted to find out something."

"You can't find out anything at an information booth."

"That's what I found out."



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

Grocers throughout New Zealand stock ANCHOR SKIM MILK POWDER, Price 1/2 per tin. For Free Folder of Tested Recipes, write to-day to, "Anchor," Box 844, Auckland.

A Novelty Lamp

A Pavilion of Light

An English Scheme

A SPECIALLY-DESIGNED lighting fixture for attachment to any make of portable typewriter has been placed on the market. Easily fixed, it need not be removed when the typewriter is enclosed in its case, and is equipped with a special reflector that provides a soft, diffused illumination on keyboard, typing and notes. The light is complete with eight feet of silk, non-kinkable cord and plug.

Another novelty, this time for bathroom use, is an electrically-equipped medicine cabinet. The fixture is fitted with chromium-plated electric light brackets on either side, convenient outlet for curling-iron, fan, heater, or for heating shaving water, and controlling switches. There is a plate-glass mirror in the door, and glass shelves furnish space for medicine and toilet articles.

AT the Ideal Home Exhibition, now in progress at Olympia, London, a Pavilion of Light has sprung into being as the result of a £1000 competition, open to British architects, decorative artists and electrical contractors. The aim is to show the important part lighting plays in the home, and the relationship it bears to architecture, furnishing and decoration. The suite consists of six rooms, a lounge, diningroom, bedroom, nursery, kitchen and bathroom.

It is said that nothing quite like the dining-room has ever been seen before. The walls and ceilings are of black glass, with a narrow rose-coloured mirror glass strip as a cornice, and as part of the architraves, with stainless steel skirting. The threshold of the doors is lighted from below, and an etched panel lighted from behind forms a dado between the two doors.

The central feature of the room is an extremely novel dining-table, fashioned entirely of glass, the top being illuminated by light, which is also projected downward upon a rectangular tank containing goldfish and aquatic vegetation.

In the bedroom is a dressing table which is surely the last word in luxury, or at least, lighting luxury. The lady who is beautifying herself sits on a stool placed on glass, from beneath which comes a flood of light. The side tables are illuminated their full length by other concealed lights, and overhead is a wide umbrella-like arrangement which sheds another flood of opal light upon the occupant of the seat. Thus there are no shadows thrown on the occupant, and none reflected from the full-length mirror before her.

Radio Listeners' Guide, 1930 Edition. Dealers and Booksellers 2/6, posted 2/9. P.O. Box 1032, Wellington.

TRADE NOTES.

Mr. F. Mitchell Nicholl, M.I.E.E., M.I. Mech. E., M.I.E. (Aust.) has recently joined the staff of the old-established firm of Messrs. A. and T. Burt, Ltd., whose handsome new building in Courtenay Place, Wellington, adds considerably to the dignity of the city.

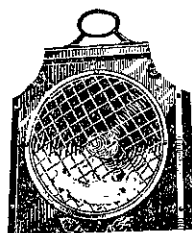
As electrical sales manager to the State Electricity Commission of Victoria, Mr. Nicholl was not only in departmental control of sales of power by that huge undertaking, but was also responsible for the inauguration and development of the merchandising scheme.

Before that Mr. Nicholl was second in command of the Government of Tasmania Hydro-Electric Department in the capacity of Deputy Chief Engineer and General Manager. Mr. Nicholl's wide experience in industrial and domestic fields, apart from that gained in the capacities mentioned previously, should render him invaluable as a consultant on all problems pertaining to the development, distribution and utilisation of electricity, particularly as the electrical section of his firm's business is now being subjected to vigorous development.

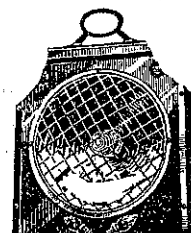
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PRIZE RECIPE.

FEW of us, alas, even the best managers, have escaped that "caught" feeling, when we have received a ring that some visitors are descending upon us for tea, as we realise the emptiness of the cake-tins. It is "in moments like these" that we shall appreciate the following recipe from "Mary Silver" for

Five Minutes Cake.

Ingredients:—One cup of plain sifted flour with half a teaspoonful of bicarbonate of soda and one teaspoonful of cream of tartar. Add three-quarters of a cup of sugar, a dessert-spoonful of cocoa, and two eggs. Method: Melt a tablespoonful of butter in a large cup, but do not make it too hot. Add two eggs, then fill the cup with milk. Now empty this cupful of liquid into the flour and beat all thoroughly for a few minutes; put in sandwich tins and bake in the usual way. The result is the lightest of sandwich cakes and the taste very good.

Sauce-y.

EMPTY a quart bottle of Worcester-shire sauce into a saucepan, and heat until it commences to simmer. Then add one heaped tablespoon of cornflour and one dessert-spoon of sugar that have been previously mixed smoothly with a teacup of vinegar.

Simmer for nine minutes. This method makes the sauce go much further and improves the flavour.—"O.W." Wai-reki.

Honey Roll and Filling.

HALF-POUND honey, 6oz. golden syrup, 2oz. of dripping or butter. Place in saucepan and bring to the boil. When cold, stir in $\frac{1}{2}$ lb. flour, 2 eggs, dissolve a good $\frac{1}{2}$ oz. of baking soda in $\frac{1}{2}$ cup of warm milk and add this. Place a piece of paper on oven tray and spread mixture on thinly. Cook in a cool oven (electric) for about 12 minutes, and roll up when cold.

Filling:—2oz. butter, $\frac{1}{2}$ lb. icing sugar, 1oz. honey, mixed together with a little warm water.—"Electric Oven."

New Ideas for the Cook

Green Tomato Pickle.

SIX pounds. green tomatoes, $\frac{1}{2}$ lb. onions, 2 teaspoons mustard, 1 teaspoon mixed spice, 1 teaspoon curry powder, $\frac{1}{2}$ teaspoon cayenne, 1oz. turmeric, 1 cup flour, $\frac{1}{2}$ cups sugar, $\frac{1}{2}$ teaspoons salt, 3 pints malt vinegar.

Put flour and sugar in a pan, moisten with vinegar, add tomatoes, onions, cut in slices, also other ingredients. Place on fire, let it come to boil slowly, keep all well heated for an hour, but do not allow to boil. Bottle; tie down when cold.—"Marianne."

Marshmallow Sponge

FOUR eggs, 1 cup sugar, 1 cup flour, 1 teaspoon cream of tartar, 1 tablespoon butter, $\frac{1}{2}$ cup milk, $\frac{1}{2}$ teaspoon soda.

Method:—Beat up eggs and sugar, add flour and cream of tartar. Melt butter with milk, stir in soda while still on fire, then mix all well together.

Filling:—White of 1 egg, 1 dessert-spoon gelatine. Mix the gelatine with a little cold water. Bring to the boil $\frac{1}{2}$ cup water, then into this stir well the gelatine. Beat white of egg up stiffly, then gradually add melted gelatine and mix well. Place between the sponge.

This sponge is a great favourite, as it is extra light. I always like to have one baked for supper, when friends drop in for a night's radio entertainment.—"Dinky Doo."

Salmon Pie.

MAKE white sauce from 1 cup milk, 2 tablespoonfuls cornflour, 1 tablespoon butter, pepper and salt to taste.

Place a tin of salmon broken in four pieces into a pie dish. Add the liquid to the white sauce and pour over fish. Sprinkle buttered breadcrumbs over the

top and bake in oven 400 degrees till nice and brown.

This is nice for a quick lunch, and is very tasty with potato chips.—"Ream."

"Feather Light" Sponges.

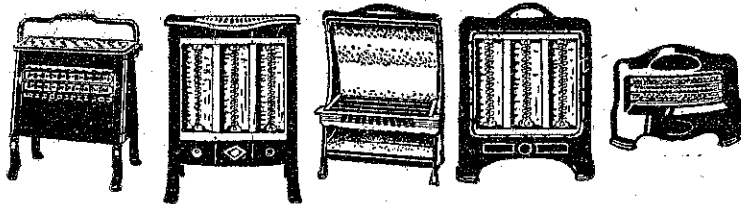
BEAT 3 eggs for 5 minutes, then add $\frac{1}{2}$ teacup fine sugar, beat 5 minutes, then add $\frac{1}{2}$ cup arrowroot, 2 teaspoonfuls cornflour and 1 teaspoonful baking powder, beat another 5 minutes.

Put in sandwich tins with electric oven at 300 deg., and bake about 20 minutes.—"Glenavon."

Johnny Allsorts Cakes

THREE ounces butter, 1 egg, 1 large cup flour, $\frac{1}{2}$ -cup sultanas, $\frac{1}{2}$ -cup sugar, 1 teaspoon baking powder, $\frac{1}{2}$ -cup chopped nuts, $\frac{1}{2}$ -cup stoned dates.

Beat butter and sugar to a cream, add egg well beaten. Beat all together and then add flour, baking powder, nuts, chopped dates, and sultanas. Mix all together till very stiff. Then place in teaspoon-lumps on a cold oven shelf, and bake in a moderate oven for about 25 minutes. The shelf should be placed low in the oven. These cakes are delicious for all occasions, and are very quickly made up if the shelled nuts are procured from the grocer. Any nuts may be used, but my family prefer peanuts.—Kate.



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The smartest designed and most cheerful-looking Electric Fire on the market. And talk about HEAT—a "CREDA" is as good as a coal fire any time. And what a saving in fuel cost! What a saving to Mother—no ashes—no dirt—no smoke! But be sure you get a "CREDA." Almost every electrical appliance dealer has the new "CREDA" Electric Fires, but if you experience difficulty in obtaining one write direct to—

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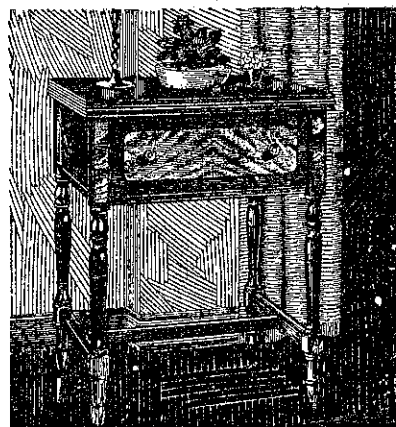
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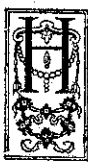
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Twenty Years our King

From a Topical Talk

By A. B. Chappell, M.A.



IS MAJESTY KING GEORGE has completed twenty years on the throne of the British realm. Congratulations to him and to ourselves are in order. In various ways—by loyal messages, salute of guns, dressing of ships, visits of courtesy—the day has been marked as important. It is important, and it is fitting that radio broadcasting, the most modern means of sharing popular celebrations, a means brought to being in the years of His Majesty's reign, should fall gladly into line.

We honour ourselves when we honour our King; this is the cardinal fact in connection with the keeping of Accession Day. That for which he stands is so really part of our own life that we may rightly regard the day as if it were our own, and with good reason give it due observance.

There are republicans who may wonder at this. If we were citizens of a republic we, too, might wonder—until we recollected the national days that every self-respecting republic keeps in some fashion. Round a President or a constitution, republican festivities gather; for us, they centre in a king. In both political systems, it is the identification of the individual's life with that of the nation that is acknowledged.

There are a few so insensible of their social debts that they can blatantly raise the cry, "No king, no flag, no country!" Against these the republican and the monarchist stand shoulder to shoulder; the anarchist is equally the enemy of both. There can be no State without a focus for loyalty, no body politic without a head. Without a focused loyalty, society is impossible and human nature must fall lower than the bulk of the beasts that perish. For us British, our King is such a focus and head.

Our King incarnates our national institutions and spirit. What is his is ours. It is our Throne that is his seat of honour. The ships that are distinguishably styled "H.M.S." we munition and man. The judges whom we seek as arbiters in our citizen disputes preside by his commission and stated authority. The parchments in which we bind ourselves to others in the realm bear his name and title. To him we swear allegiance, but he made solemn oath of loyalty also, else he could not be named in our covenant. On the coinage of the country his likeness is stamped, but we give it currency. His life and ours, his authority and the power of the people, are so vitally interwoven that our refusal to do honour to him would be to dishonour ourselves.

OUR King stands for our British ideal of citizenship. He is not above the realm. He is the commonwealth's chief servant. When he is true to that ideal, our hearts are satisfied and glad. When he openly fails to embody that ideal, we are disappointed and distressed. But we do not, therefore, seek the destruction of the Throne. Our history shows this marvel: we can dismiss and depose and even kill our king and yet be loyal subjects of a monarchy. Indeed, our very loyalty

has been proved by our rebellion. Sir Walter Raleigh, though his unfinished history was suppressed because it "dealt too saucily with kings," could yet, on the scaffold, honestly declare that he had never been disloyal to the King. It is one of the most ardent loyalists of our day, whose writings are renowned for their inspiration to reverence for Britain's Throne, who hotly denounces our First James as "a craven king," and you will find, set in another volume pulsing with patriotism, as scathing a flagellation of that monarch's littleness as ever enlivened a printed page. We know that

*He's a king,
A true, right king, that dares do
ought save wrong;
Fears nothing mortal but to be unjust;
Who is not blown up with the flat-
tring puffs
Of spongy sycophants; who stands
unmoved
Despite the jostling of opinion.*

We know, too, that there have been unregal monarchs, and history shows that we have had the courage of that opinion. Yet that very knowledge and courage are evidence of the ideal of kingship that we hold.

WHEN we see confronting each other Pilate and Jesus, Felix and Paul, Sigismund and Huss, we do not hesitate to say in each case which is the king. Neither the cowardly governor, nor the conscience-stricken procurator, nor the perfidious emperor is seen as clad in royal authority. Our swift-moving judgment strips them of the purple and flings it round the men in bonds at their mercy. The same unerring instinct marks our estimation of all the world's potentates. There is a spirit that "becomes the throned monarch better than his crown." The crown cannot make a king. It can only make demands of him as a king. We honour it for these demands, and look eagerly in hope to see that, for his own country's sake and all the world's good, he has the will and power to fulfil them.

These demands are heavy, heavy beyond the weighing of most of us. Still, as of old, "uneasy lies the head that wears a crown." It is no pastime to be a king. Shakespeare, you remember, makes "unkinged Richard" say to usurping Bolingbroke:—

*Your care is gain of care, by new care won;
My care is loss of care, by old care done;
The cares I give I have, though given away;
They tend the crown, yet still with me they stay.*

For all their idle talk, there is not one among the defamers of monarchy who would long endure the cares that "tend the crown."

True, the monarchy we know best has been shorn of many of its old prerogatives. In the patient achieving

of our constitution's stability we have transferred the initiative of legislation from the Throne to Parliament; but we have not seriously lightened the toil of the monarch. As each prerogative now in other hands has been taken away from the monarch there have been given to him, with the enlarging of the bounds of the Empire and the quickening of life's pace, new opportunities and responsibilities of service.

Our King has still really great powers, and as a clear-thinking writer on constitutional affairs remarks, "a king of great sense and sagacity would want no others." Ceasing to be a fount of law, our King has become a fount of honour, the head of our social life, and the focus of our national affection and pride. What is often over-

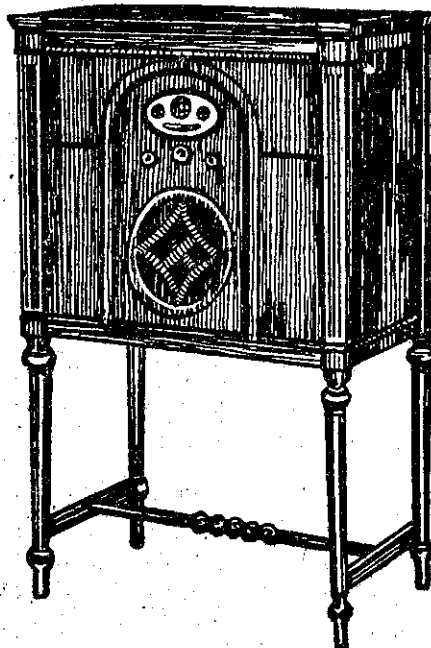
looked is the fact that these characteristics of his office bring with them great tests as well as great scope in service to the State.

AND now a few words about His Majesty King George, who for twenty years has had such burdens and such duties. Let me give you, as I speak of him, an honest picture of a serving king.

Think of the well-remembered years of the Great War. At their close, the Prime Minister of the day said that the Throne had won an added respect, stability and lustre. The truth of that is worth at least a little thought. In those terribly searching years many thrones went crashing down, never to be set up again, and some rocked dangerously. Our King's remained "broad-based upon his people's will." When London celebrated the armistice the King walked amid a cheering throng. Walked, mark you, and the cheers were spontaneous and made all London echo to the roar. Why?

Not because the war was won, but for the part he had played in it.
(Concluded on page 32.)

THE MODERN SET IS A "SILVER" SET



From the thoroughness of the construction of the chassis, built by one of the foremost radio corporations in America to the handsome cabinet, the Silver is in a field of its own. It's modern! Offering range and reproduction that is outstanding in the radio field.

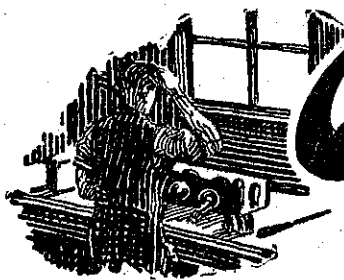
The Silver employs 8 valves, 4 screen-grid A.C., 2 245 power tubes in push-pull, 1 227 and 1 280 rectifier operating a matched impedance dynamic speaker. All antenna installation is eliminated, as an invisible screen antenna for local and distance reception is employed. Fitted with a phonograph pick-up jack and tuning from below 200 to 600 metres. An automatic voltage regulator for maintaining constant voltage to the set can also be supplied. No other radio receiver has all these advantages.

PRICE £60

The above illustration shows the Lowboy Model in a beautiful matched wood cabinet with an antique brass escutcheon. Be convinced of its superiority. Compare "Silver" Radio with any other selling at the same price.

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NEW ZEALAND AGENTS.**



Questions and Answers



"H. P." (Blenheim) makes reference to a query sent in my "Mac", Johnsonville, concerning a wet "B" battery described by "Megohm." He asks where he might obtain details of this battery.

A.: The revised version will appear in the 1930 "Radio Listeners' Guide," which will be out late this week.

"A. J.W." (Mangawai) asks if we can suggest a reason and cure for the static on the YA stations. Reception has been all right in the afternoon, but the static drowns out the music during the evening.

A.: We regret that it is impossible to cut out static. By using a small aerial or a loop of wire around the room static may be minimised, but only a few of the more powerful stations can be received.

"A. M." (Gisborne) writes stating that he wishes to know the types of lamps to use in a D.C. eliminator to reduce 230 volts to 150 volts, 90 volts and 22 volts.

A.: The use of variable resistances or a voltage divider is better. The following values will be required:—From 230 to 150 supplying 20 milliamps, 2000 ohms; from 150 to 90 supplying 5 milliamps, 3000 ohms; from 90 to 22 supplying 1 milliamp, 4500. This allows a waste current of 14 milliamperes. A good circuit and working particulars are given in the 1930 "Radio Listeners' Guide."

"C. P." (Auckland) asks if it would be feasible to use a screen grid valve as detector followed by a stage of resistance capacity coupling.

A.: Yes, this system is used in modern A.C. sets.

2: Would 20 turns on the tickler be sufficient?

A.: You will probably have trouble in controlling oscillation if the screen grid valve is used as detector. 20 turns would be about the right number.

"R. J.B." (Shannon) enclosed a diagram of a short-wave circuit and states that he cannot reduce hand capacity, and threshold howl is bad below 250 metres.

A.: We are returning your diagram with a few suggested alterations. Other than these we suggest:—

1. Connect an R.F.C. choke to the fixed plates of the reaction condenser and P of the first audio transformer.

2. If condensers have no pigtales it will be necessary to solder a connection from the moving spindle to the frame of the condenser.

3. Use proper double spaced short-wave condensers.

4. If hand capacity is still persistent place two radio frequency chokes in the speaker or phone leads in the output of the set.

5. Put 1 or $\frac{1}{2}$ megohm potentiometer across the secondary of the first audio

to stop fringe howl. Insufficient A battery causes most howl. Advance the rheostat. Do not use a ground.

"M. H." (New Plymouth) is also troubled with fringe howl, and has placed a high resistance across the secondary and a 1 mfd. by-pass condenser across the B battery.

A.: The grid leak is too high. It should be at the most 1 megohm and usually 500,000 ohms. A potentiometer across the first audio secondary is sometimes quite effective. Increase the A battery to the maximum stipulated by the valve manufacturers. Incorrect filament voltage or reducing this only causes more howl by sharpening the tuning.

2. An acquaintance made up the same circuit and could get only a loud hum with bursts of oscillation.

A.: The grid condenser is either damaged, the grid leak connected round the wrong way, or the grid return broken. Look for an open secondary or grid return. This will cause hum similar to A.C. Check from the fixed plates of the tuning condenser to the grid condenser, then from the condenser to the grid of the valve and grid leak to A+. The grid leak has probably been connected on the other side of the grid condenser and A+.

"SHORTY" (Stratford) is having trouble with connections from audio transformer. He states: The audio transformer is marked F, P, G, B, while the low-frequency transformer is marked B+P, C-, G. How must the low-frequency transformer be connected to conform with the connections of the audio transformer?

A.: The terms "low frequency" and "audio" transformer are synonymous. An audio transformer is a low-frequency transformer. The connections are as follows:—F=C-, G=G, P=F, B=B+. You will probably have to turn one transformer round slightly to get it in the set if the lay-out is marked for the other.

"NEW CHUM" (Dunedin) asks if he can adapt his set to bringing in London and the American stations, by using short-wave coils in his set.

A.: Using short-wave coils in a broadcast set is not as satisfactory as using a special short-wave set or adapter. It would pay you to make up the short-wave described in the 1929 "Radio Listeners' Guide," omitting the 1 mfd. by-pass condenser shown in the lay-out. An A.C. adapter will be described in this 1930 "Guide."

"INCUBU" (Hokitika) asks the diameter for the former for the wave-trap described by Mr. Keith in our last week's issue—3 inches.

2. A well-known kit-set lay-out shows the transformers end to end—should they be at right angles?

A.: This is not of paramount importance with modern transformers, as they are usually well shielded. An improved lay-out for this set will be found in the 1930 "Radio Listeners' Guide."

"J. C." (Ongarua) asks if it is possible to wind broadcast coils on valve bases for the "Listeners' Guide" "Screen-grid Three."

A.: Yes, from 200 to 350 metres, secondary 28 d.s.c. unspaced wire, winding length 2in. Extend the base with celluloid if necessary. Primary about 1-3rd

of this, reaction the same as primary. 350 metres to 600, 30 D.S.C. wire, wound 2 $\frac{1}{2}$ inches without spacing. Primary and tickler in the same proportion as before.

"SHORTY" (Cambridge) wishes to build a short-wave set and submits a diagram for consideration.

A.: An excellent short-wave set has been described in the 1930 "Radio Listeners' Guide" which should give better results than the one submitted. It will probably work better without an earth. The turns ratios appear to be about correct.

2: What is the difference in efficiency between valve base and ordinary coils?

A.: In actual performance the valve base is slightly less efficient than the others, though their convenience and durability outweigh any small defects.

"H. F." (Huntly) wishes to build a power transformer with an output of 7 volts 2 amps.

A.: The primary is 1070 turns of 32 s.w.g. enamelled wire—the secondary 36 turns of 18 d.c.c., core 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$. Full particulars of methods of procedure are to be found in the 1929 and 1930 "Radio Listeners' Guides."

"SUBSCRIBER" (Cambridge) has built an exponential horn which is not giving him the results he expects. It has a good tone, but is most insensitive. Recently he tried a B.T.H. unit used in the exponential with a 6ft. horn, and the magnification was only half that of a 3ft. horn. Is this a characteristic of long horns?

A.: If amplification is not up to expectations either the material or the design of the horn is wrong. The horn should not be straight, but both sides should curve outward, with a long neck near the unit. It is upon this that the amplification depends. Details of an exponential horn will soon be published.

2: The 6ft. horn vibrates more than the 3ft. one.

A.: Probably something is not fitting or the whole design of the speaker is wrong.

3: I recently introduced an old receiver unit which has a resistance marked at 200 ohms, and has a non-adjustable diaphragm 3 inches in diameter. It is not very sensitive, probably requiring a step-down transformer.

A.: Yes, use a 3 or 4/1.

"T. S.L." (Roseneath) states that on his A.B.C. eliminator he has a spare 20-volt winding with which he would like to energise the pot of his dynamic cone speaker. He wishes to know how to construct a Westinghouse type of metal rectifier for this purpose.

A.: Such a rectifier would be unsuitable for amateur construction. One could be quite easily fitted and the method has been described in this year's "Radio Listeners' Guide."

"DUNDERHEAD" asks the following questions with regard to the construction of the 2 R.F. Browning-Drake: 1. Is it necessary to have a .00025 variable condenser in the audio circuit?

A.: The purpose of this is for regeneration. The swinging coil could be used, but the condenser was found to be more efficient.

2. Could I do away with some of the rheostats either by using one rheostat for all the valves or an amperite for each?

A.: The rheostats are used as volume controls. If you wish to reduce the number put the radio valves on one and use amperites for the other valves, that is, providing they are used with a battery of higher potential than their filament.

3. Would it make much difference if I were to place both R.F. stages in the same screening box?

A.: It would cause instability. The idea of shielding is to separate one R.F. stage from the other.

"H. F.B." (Auckland) asks for information on band-pass filter coils for short-wave. He asks what would be the approximate number of turns with 28 d.s.c. wire for the aerial? A .0005 condenser will be used to tune the grid of the R.F. coil.

A.: Very little has been done with band-pass filters on short-wave, and the whole subject is a very doubtful one. The object of B.P.F. is to reserve selectivity, and quality, and to deal with problems that do not present themselves when short-wave transmission is being dealt with. About eight turns spaced on all secondaries, and reaction 10 to 12 turns s.w.g. wire close wound, and aerial 4 to 5 turns of 26 should be an approximate value to start with.

Battery and Eliminator

A CORRESPONDENT who signs himself "Round the World Three," writes:—"I joined 45 volts dry B battery and eliminator in series. Using dry battery for det. and eliminator for audio, and connecting moving vanes of variable condensers, also cores of audio transformers to the earth. I am having great results, and no hum coming through."

Sweet Music

DURING the heavy rain which fell in Sydney while the Royal Easter Show was in progress the announcer at 2FC opened the studio window and carried the microphone over to it. He called the attention of listeners to the sound of the rain. "This will give country people an idea of the weather we are having in Sydney," he remarked. The 2BL announcer also broadcast the falling rain. The sound of the downpour must have been sweet music in the ears of many farmers' families.

HOW'S THIS!

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

JOHNSON'S WIRELESS SCHOOL
BRANDON STREET, WELLINGTON.

Radio Literature

Largest stocks south of the line for Amateurs and Broadcasters. "Handy's Handbook," 6th Edition, 5/3, posted. Extra supplies arriving shortly. Send order now. 7th Edition not available until October next. Write us.

TE ARO BOOK DEPOT.

63 Courtenay Place, WELLINGTON.

How the Talkies Talk

The Final Link

(By MEGOHM)

Concluded from last week.)



HERE is one of the most interesting parts of the whole outfit—horn speakers are used for reproduction, but the unit is entirely different from the ordinary type, and is the most efficient of any yet produced. The ordinary magnetic unit has only an "efficiency" of 1 per cent. or less! The moving-coil cone speaker may have an efficiency anywhere between 10 and 14 per cent., but this talkie unit has an ordinary working efficiency of 20 to 25 per cent., while under laboratory conditions an efficiency of 50 per cent. is easily obtained!

This unit adopts the moving-coil principle, with a coil working in a strong magnetic field excited by electric current, but a small dome-shaped duralin (aluminium alloy) diaphragm about 2 inches in diameter takes the place of the paper or fabric cone usually attached to the coil in a moving-coil cone speaker.

Whereas the largest speakers previously constructed had a capacity for 5 watts input, the design of this unit allows of a continuous electrical input of 15 watts, with a high conversion efficiency over the frequency range from 60 to 7500 cycles, the efficiency being 30 per cent. over a considerable portion of this range.

Combining the increased efficiency with the five or sixfold increase in power capacity, a single unit of this type is capable of delivering from 100 to 200 times the sound output of anything previously available.

The gradually increasing horn has an opening measuring 4ft. 10in. square, the length giving a 14ft. column of air. The large part of the horn is made of three ply wood, while the narrower part is of cast iron, bolted together in sections. From one to six speakers are used in New Zealand theatres, one for small halls and three in the average theatre. The unit and metal portion of the horn total 130lb. weight.

As the horns are placed behind the screen so that the sound may seem to come from the picture, a special screen is necessary in order that the sound may readily get through, while retaining sufficient density of surface to do full justice to the projected picture. This condition is effected by the use of fabric impregnated with white compound, and afterward punched with innumerable holes about 1-16in. diameter, arranged in irregular rows. These holes remove about one-fifth of the entire surface, so that only 20 per cent. of the projected light is lost.

The Speaker Unit.

NOW to describe the speaker unit. Reference to the diagram of a section of the unit shows clearly the aluminium diaphragm to which the moving coil is attached by one edge. The diaphragm, which includes the dome-shaped portion and the flattish circular portion round the sides, is stamped from one piece of duralin about the thickness of ordinary tinfoil (.002 in.)—in fact, so thin is the diaphragm that only a slight push with the finger damages it.

Around the outer portion of the diaphragm will be seen numerous tangential pleats—these form a non-resonant flexible coupling that give the diaphragm great freedom of movement in the required direction only, so that the dome portion moves as a whole. The diameter of the dome is two inches, and in this form will reproduce the high audio-frequencies up to 6000 cycles per second. This is assisted by an obstruction C, of solid metal, placed in the sound aperture, having the same shape as the dome, and fitting into it, leaving a narrow air-space. This has the effect of causing all the high-frequency vibrations to travel an approximately equal course, hence the high cut-off at 6000 cycles.

The moving coil itself is a masterpiece of construction compared with the usual coil for dynamic speakers, in

volts from a 12-volt accumulator forming part of the equipment.

Referring to the diagram, a funnel-shaped aperture is seen in the centre of the field magnet, filled with cotton wool, supported by a cover plate of metal at the wide end and by wire gauze at the narrow end. This aperture was originally intended to be left open to ease the back-pressure from the diaphragm, and that construction was at first followed, giving good reproduction up to 6000 cycles. At a later stage the effect of filling the space with wool as a damping agent was tried, with the amazing result that frequencies up to 14,000 were reproduced, though not with such great volume as those around or below 6000 cycles.

It is thus seen that although the principle of the moving coil has been adopted, there is a carefully worked-out improvement of many details, resulting in a striking gain of efficiency which is a good example of how highly-trained minds can tackle a problem and produce something worthy of their thought and labour.

The Pick-up.

HERE again we see the idea that "something better" must be produced in order to make the system as nearly perfect as possible, and so a special pick-up is produced with remarkable characteristics. The notable feature is the level output without "peaks" from 60 cycles to 5000 cycles—a great achievement when one glances

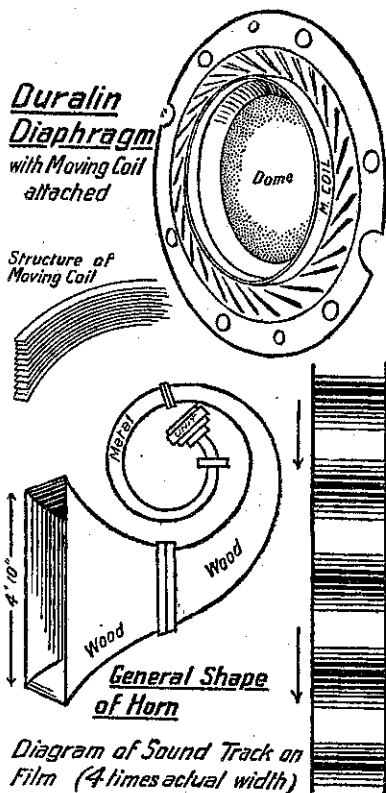
at the peak or sagging curve of the average pick-up.

This desirable property is attained by employing a stretched diaphragm of thin steel, about 1½in. in diameter. The two magnet poles are in the form of rings, one inside the other, with the annular faces close to the diaphragm, the flux then passing through the diaphragm as being the shortest path. An excellent damping system is obtained by filling the space between magnets and diaphragm with oil. The needle is attached to the centre, and parallel to the surface of the diaphragm, and moves fairly freely. A sideways movement to follow the wave in the record groove is all that is required, so in order to prevent movement along the groove, a stiff rib, horizontally placed, forms part of the diaphragm. This arrangement reduces very materially the reproduction of scratch which might be produced by roughness of the bottom of the groove.

An arm over 12in. in length is used, the pick-up being counterbalanced so that only the necessary effective weight rests on the record.

In Conclusion.

AN examination of the sound film plant cannot fail to impress the observer that efficiency at every point is well worth striving for. The usual prevailing idea that only two, or at most three, audio stages are possible, looks rather weak beside the fact that in this system as many as seven stages of audio amplification are employed without loss of quality, and with a tremendous gain in volume. A perusal of this article will, the writer hopes, enable talkie patrons to know a little more about what is going on literally "behind their backs"—in the projector room.



which ordinary thin wire is used. The coil consists of a thin aluminium ribbon 0.015in. (1/64) wide and 0.002 thick. This ribbon runs round a former which is afterwards removed, leaving the aluminium self-supporting with the turns adhering and yet separated by a film of insulating lacquer. The requisite number of turns is built up, and when complete is so compact that it resembles a ring made up of 22's brass sheet.

The field magnet, corresponding to the "pot" of the dynamic speaker, consists of an annular hollow casting into which the winding is fitted, a circular hole in the centre giving ventilation to the field coil. The field magnet is excited by current of 1½ amp. at 7

A New Valve ! A Better Valve ! and it's a RADIOTRON !!!

The new UX221 is a valve the need for which has long been felt.

It means a big saving on your "A" battery, consuming only .06 amperes. It will fit in the place of the 201A valve without any alterations—but that is not all. Fit one and notice the improvement in volume and tone.

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"Where the Quality Goods are Sold."



CERTAIN school of philosophy holds that progress does not follow what may be called a straight-line law, but rather tends to go round and round in cycles. Civilisations arise and flourish up to a certain point, and then disappear and are forgotten—to be followed in due course by others.

the root of the well-known saying that there is "nothing new under the sun." From some points of view it might be thought that radio is about the last thing on earth to which this could be applied. And yet one cannot fail to perceive a certain tendency in modern wireless practice to resuscitate ideas that have previously been thrown on one side as old-fashioned and obsolete.

Inventors Who Look Back.

ONE of the most striking illustrations is perhaps to be seen in the revival of short-wave signalling. Hertz manipulated waves of the order of only a few metres in his laboratory at the very birth of wireless. Later on, when Marconi first tackled the problem of signalling over long distances by means of wireless waves, he found it necessary to use high aerials having large capacity and inductance. In this way he was able to pour a greater amount of energy into the ether, and so to cover long distances.

At the same time this meant that his aerials were tuned to wavelengths of the order of some thousands of metres. In fact, the development of commercial wireless was for many years almost entirely concerned with long-wave working. Apart from

a few pioneers, no one had any use for or interest in the shorter waves.

Then new methods of generating and handling very high-frequency energy were discovered, and the so-called Beam system of directional transmission was developed. This proved so successful in practice that, for the first time, commercial wireless signalling began seriously to threaten the position of the cable companies.

The two industries, cable and wireless, have now been merged into a common interest, but it took a long time for inventors to look back and exploit what those who followed Hertz had thrown contemptuously aside as of no value.

Taking another point of view, the new English Regional scheme is to some extent a throwback to the state of affairs which existed when broadcasting was first introduced. Then there were but a few isolated stations, each serving as wide an area as possible.

This was followed by the gradual establishment of a regular network of subordinate and relay stations dotted here and there over the country, and imparting a certain amount of local atmosphere to the programmes. Now we are aiming to go back to the use

of only a few stations, to serve the whole country.

Amazing Ups and Downs.

AS a side issue it is not without interest to note the volte-face that has taken place in the early relations between wireless and the gramophone industry. The introduction of broadcasting was at first generally expected to deal a death blow to the gramophone.

There is no need to dwell on this mistake. One does not whip a dead horse. Instead of disappearing, the gramophone industry found an amazingly successful new lease of life, and is now more flourishing than ever.

Another curious turn of the wheel is evidenced by the recent revival in the use of high-frequency amplification. All modern sets comprise at least one, and generally two, H.F. stages. Yet not long ago it was the fashion to decry the high-frequency valve as of no value.

At one time, owing to inefficient tuning coils and high damping losses, a single stage of R.F. amplification added practically nothing either to the range or selectivity of a set. Also, owing to the difficulty of stabilisation, it was a troublesome matter to handle

two stages of R.F. amplification when used in cascade. And so listeners grew tired of the R.F. amplifier, and, figuratively speaking, pitched it overboard.

Nowadays quite a different view is taken. It is beginning to be realised that R.F. amplification is the only sure solution to the problem of selectivity. Not only that, but the R.F. side is actually threatening to displace A.F. amplification, for the reason that amplification applied before the detector valve leads to much less distortion than amplification applied afterwards. Present indications are that the set of the future will comprise three or four R.F. valves followed by a detector and one high magnification stage for loud-speaker work.

However this may be, the fact remains that what was thrown on one side in contempt a few years ago has again sprung into favour, owing to later improvements and a more enlightened point of view.

The revival in R.F. leads one quite naturally to notice the equally remarkable falling-off in the use of reaction. In most up-to-date sets fitted with ganged R.F. stages there is usually no deliberate back-coupling.

This is an amazing contrast with the "Don't do it" campaign, and the efforts of the P. and T. Department to prevent the ether from being made hideous by the persistent "knob twiddler."

Transformer Transformation!

AGAIN take valve couplings. The first coupled valves were linked together by a transformer. Then came

(Continued on page 32.)

HEAR!

The

HEAR!

Farrand Inductor Dynamic Speaker

A New type of Unit with many Outstanding Qualities.

Tone ?

True and lifelike—with full round bass—yet with no sacrifice of those subtle higher tones which are so important and which so many other speakers fail to reproduce satisfactorily.

Volume ?

Yes—decidedly yes—if you desire it, as you may judge for yourself.

Adaptability ?

Wonderful—sensitive enough to work beautifully from a one-valve amplifier, and yet has ability to handle the output from a large push-pull amplifier.

Any current supply required ?

None—isn't that splendid! No field to feed either by battery or rectifier from main supply.

Baffle ?

Yes—all good cone speakers use a baffle, but as the deep bass notes are there naturally in this speaker, the baffle may be of the simplest.

Hum ?

Whisper this—none!—from its very nature this speaker cannot add any.

Price ?

Ah! the price—a pleasant surprise awaits you on enquiry from

L. M. SILVER & Co. Ltd.,

ELECTRICAL ENGINEERS,
30-32 Lower Tory St., Wellington
Agents for New Zealand

Short-Wave News

SEVERAL letters have been received during the week containing interesting information concerning several short-wave stations.

Zeesen, Germany.—In reply to a report Mr. A. F. Gledhill (Christchurch) has received the following reply, typed in German:—"The Central Post Office offers thanks for observations in connection with the German transmitter on wavelength 31.38 metres. The transmitter operates daily 14.15, 16.30, to 19.30, and from 20.00 to 00.30, and in some cases also up till 01.30 (Central European time). Relays, principally the programmes of the German transmitter, wavelength 1634.9 metres (Königs-Wasserhausen), and/or the programme of the Berlin station. The telephone capacity is 8 kilowatts in the aerial. We would be obliged if you would let us have further observations from time to time."

The above hours in New Zealand time are:—12.30 a.m. to 1.30 a.m.; 3 a.m. to 6 a.m.; and from 6.30 a.m. to 10.30 a.m., and in some cases till 12 noon.

7LO Nairobi.—The same listener also received this:—"Thanks for report, etc. For your information, I beg to inform you that we transmit on 31.1 metres, with about half a kilowatt in the aerial. Our hours of transmission are between 7 and 10 p.m., local time, corresponding to 4.30 p.m. to 7.30 p.m. G.M.T. (4 a.m. to 7 a.m. New Zealand time)."

KZRM Manila, P.I.—A card from this station gives the following particulars:—Power, 1 kilowatt; wavelengths, 25.36, 31.4, and 48.8 metres (approximately); antenna height, 80 ft.; horizontal doublet half-wave; quartz crystal controlled. Schedule—Daily except Monday: 9.30 a.m. to 10.30 a.m., 3.45 p.m. to 4.45 p.m., 6.30 p.m. to 8.30 p.m., 9.30 p.m. to 2.30 a.m. Mondays: 9.30 a.m. to 10.30 a.m., 3.45 p.m. to 4.45 p.m., 6.30 p.m. to 8.30 p.m.; New Zealand time.

WENR and W9XF, Chicago.—Mr. A. B. McDonagh (Wellington) received the following schedule dated March 27, 1930, transposed to New Zealand time:—"Daily except Monday 8.30 a.m. to 5 a.m., 9 a.m. to 12.30 p.m.; daily except Sunday 2 p.m. to 6.30 p.m.; Mondays, 1.30 a.m. to 6 a.m., 9 a.m. to 11.30 a.m., and 1.30 p.m. to 6.30 p.m."

W2XE, New York.—A letter dated April 2, 1930, in reply to a detailed report on reception of W2XE, was received from the Columbia Broadcasting System, Inc., New York City. The following are extracts:—"W2XE operates on a frequency of 6120 kilocycles, 750 watts power. The station operates daily from 8.00 a.m. to 1.00 p.m. (12.30 a.m. to 6.30 p.m. New Zealand time) in conjunction with WABC, the key station of the Columbia broadcasting system. Some time in the near future we hope to put



on a special programme for the benefit of New Zealand between the hours of 1.00 and 3.00 a.m., New York Eastern standard time (6.30 p.m. and 8.30 p.m. our time). Each of these schedules are the latest to hand; they are included in an up-to-date list of about 80 short-wave telephony stations working between 14 and 100 metres that I have proposed for the new issue of the Radio Business Guide and Call Book.

Short-wave Stations in the Far North.—Mr. E. W. Anglesey (Nelson) reports that soon after midnight on April 13, 1930, on about 6 metres, he heard an American giving some directions about sending some batteries as soon as possible, etc. He

dance music till midnight." The music came through at R8-9 with slight gushiness. Big Ben was heard striking midnight, after which 5SW closed down till 11.30 GMT, Monday next.

Zeesen was R8 at 7.30 a.m., with a play. Static was bad. At 9.35 a.m. on about 26 metres, a voice was heard calling "Hullo" several times, but could not understand anything else. W2XAF was just audible at 10.30 a.m., slowly increasing to R8 when they signed off at 3.33 p.m. W2XAD, with the same programme, was also just audible at 10.30 a.m., increasing to R4 by noon, but went off again after this. W8XK on their 25.4-

Stations Heard During Week Ended May 10.

RA97, Siberia, 70 metres: Each evening.
W9XF, Chicago, 49.83 metres: Saturday.
W3XAL, New Jersey, 49.18 metres: Sunday, Wednesday and Saturday.
W2XAF, Schenectady, 31.4 metres: Sunday and Saturday.
ZEESSEN, Germany, 31.38 metres: Each morning except Thursday.
PCJ, Holland, 31.28 metres: Friday and Saturday.
NRH, Costa Rica, 30.5 metres: Saturday.
VK2ME, Sydney, 28.5 metres: Twice daily.
GBX, England, 27.5 metres: Twice daily.
KIXR, Manila, 26.3 metres: Each evening except Monday.
CJRX, Winnipeg, 25.6 metres: Sunday and Saturday.
G5SW, England, 25.53 metres: Each morning except Monday.
W8XK, Pittsburgh, 25.4 metres: Sunday.
W6XN, California, 23.35 metres: Sunday and Friday.
W2XAD, Schenectady, 19.56 metres: Sunday.
PHI, Holland, 16.88 metres: Thursday.

called a number of times "CGG, Bathurst Inlet, calling CXX, Port Burwell." Alaska and Hudson Straits were also mentioned. Strength was R4 at the best, with bad fading. Mr. Anglesey has heard this station since, but was only able to read odd words. Has any reader heard these stations? They are not listed in the latest Call Book.

Unidentified.

41.6 metres (about), Thursday.
26 metres (about), Sunday.

Log for the Week

Sunday, May 4.

AT 7.25 a.m. G5SW was tuned in, when orchestral music was R6, with slight gushiness. The Greenwich time signal, 6 dots, was heard at 7.30 a.m., followed by announcements from Chelmsford about the extra transmissions, daily news session, and the Saturday evening programme from London. After the usual interval at this time (when news is broadcast from London which is not available for overseas listeners), reception was too gushy to be readable. Conditions improved again later. At 9.20 a.m., it was announced that "we are now going over to the Mayfair Hotel, where Ambrose and his orchestra will play

metre transmitter, was gushy at R7 at 3 p.m., increasing to R9 later, with messages to the Far North, etc. CJRX is located between two beam stations, which spoils reception from the Canadian station. At 3 p.m. CJRX was R6, readability about 50 per cent. W6XN was well received, being R9 for some time, the best period being about 4 p.m. W3XAL was R5 at 4 p.m., increasing to R6 when they signed off at 4.34 p.m.

There were two stations just above W3XAL in wavelength, which were too weak to identify.

RA97 at 9.30 p.m. was R9 Static medium KIXR relaying KZRM, opened at 9.30 p.m. with their chimes. Their programme for the first half-hour consisted of Brunswick recordings. Strength R8-9, gushy, but 100 per cent readable.

Monday, May 5.

I DID not listen early this morning. At 2ME and GBX, at 7.15 p.m., were both good strength, with Post Office duplex. RA97 was quite good at 9.15 p.m., with an orchestra received at R8. After this the English-speaking lady reads the news bulletin. Later a male choir was heard which were very good.

Tuesday, May 6.

UNTIL about 6 a.m. G5SW was not audible. They reached R7 by 7 a.m., but were very gushy. GRX at 6 a.m. was R2, increasing to R7 by 7 a.m., while 2ME was not audible during

this period. Zeesen at 5.40 a.m. was only R3, and very gushy. At 7 a.m. they were R8, but still very unsteady. 2ME and GBX at 6.45 were R9 and R7 respectively. RAD7 at 9.45 p.m. was R8, with talk by a lady. KIXR was very poor, being only R3 at 10 p.m.

Wednesday, May 7.

At 6.30 a.m. G5SW was very weak and gushy. They were R6 at 7.30 a.m., but still very poor.

GBX was too weak to be readable at 6.30 a.m., while 2ME was gushy at R6. Both were R8 at 7.30 a.m.

Zeesen commenced at 6.30 a.m., being very good at R8-9.

GBX and 2ME at 6.30 p.m. were R6 and R9.

W3XAL was tuned in at 6.40 p.m., when music was R8, but talk only R6. Static was troublesome.

RA97 was R9 at 9.15 p.m. Talks, vocal and instrumental music was heard. Static marred reception.

KIXR was R8 with music after 9.30 p.m., talk being weaker and not so clear.

Thursday, May 8.

Until 7 a.m. 5SW was again very weak when rapid fading spoilt reception.

2ME and GBX.—Carriers only were heard of this station at 6.20 a.m. Not so much has been heard of the 41.6 metre stranger the last few mornings, but he was heard this morning at R3 with foreign talk.

Zeesen was not heard up till 7 a.m. PHI were having a special 12-hour test till 11.30 p.m. from 11.30 a.m. I listened at intervals from 6 p.m. till 9.15 p.m., when no sign could be heard. At 10 p.m. they were found to be R8, with a rapid fade, making speech difficult to follow. After this volume decreased to R7 by 11 p.m. Beside the rapid fade, a slow fade of several seconds duration was noticed.

GBX and 2ME, as usual, were going strong at 6.45 p.m. KIXR was R8 at 10 p.m., but reception was spoilt by some local electrical interference which was bad from 20—40 metres, maximum about 30 metres, but not sharply defined. This trouble was intermittent. Sometimes for a few seconds, others for a minute or two. No sign with aerial switch off.

RA97 was excellent at R9 with orchestral music. No sign of the trouble referred to on this band. 5SW was just audible at 11 p.m.

Friday, May 9.

PCJ was spoilt by rapid fading. Strength R8-9 at 6 a.m. to R8 at 7.30 a.m. 5SW at R8 was very gushy at 6.15 a.m.; talk was impossible to follow.

GBX was R7 at 6.20 a.m., but very mushy. 2ME was not audible here. Zeesen was quite good at R8-9. W6XN at 6.40 p.m. were R7. Reception was too mushy to be worth while. 2ME was R9 (Concluded on page 32.)

FOR SALE OR EXCHANGE

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

WANTED TO BUY.—"A" Battery Charger, price and particulars to M. Wood, R.D., Kimbolton.

"WESTINGHOUSE" your Battery Radio, eliminate batteries. Results superior to most A.C. Radios. Guaranteed. Write us. Johns, Ltd., Chancery Street, Auckland.

RADIO Catalogue sent on request—Electric and Battery Radios, Speakers, Batteries, Valves, Motors, Pick-ups, etc. Roysds-Howard Co., 553 Colombo Street, Christchurch.

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

REGARDLESS

of the make of Set you have we can fit

Our Famous Short Wave Addaphone

Works excellently on all types of Sets. All-Electric or Battery. Built by and obtainable only from—

MACK'S Radio Service

76 Kent Terrace, WELLINGTON.

Telephone 20-798.

at 7.45 p.m., duplex with GBX, who were very weak. RA97 were quite good at 10.30 p.m., being R9 and fairly clear of static. They were audible at R4 on their first harmonic. KIXR were very mushy at 10.30 p.m.; R4.

Saturday, May 10.

ABOUT R8, PCJ was, till just before 7.30 a.m., when an increase to R9 was noticed. Speech and music was mushy, except toward the finish at 7.30 p.m. 2ME was not audible at 6 a.m., but was up to R9 by 7.30 a.m. GBX were R4 at 6 a.m., increasing to R9. 5SW again was very poor. Mush and rapid fade was bad. R2 at 6.30 a.m., increasing to R7 by 7.30 a.m. Zeesen quite good at R9; mush noticeable, but not nearly so bad on this station.

PCJ increased slowly from R5 at 2 p.m. to R9 by 5.15 p.m. During the special Australasian programme a long list of names were read out of all listeners sending reports to PCJ during the past few months. Some idea of the number can be estimated when it took about half an hour to read them all—names and addresses. This station is either heard considerably better here in New Zealand than in Australia, or else the transmissions are better appreciated, as the reports from this country were far greater in number. W2XAF were R5 at 2 p.m., increasing to R9 by 3.30 p.m. Dance music from the Hotel St. Regis was heard till 3.30 p.m., after which the programme was continued from Albany till about 4 p.m.

CJRX was tuned in just as they were signing off at 2.32 p.m. They were very rough at R5. They signed off till tomorrow afternoon; the time was given, but not clear enough to hear.

NRH were just audible at 2.30 p.m., but could not hear them a little later on. W3XAL was first heard at 3 p.m., when they were R1. Strength increased to R8 by 4 p.m. Reports on their transmission was asked for before closing down. W9XF is back again at its old time volume and clarity. "The voice of service" was tuned in at 3.45 p.m. at R8-9; they soon reached full loudspeaker volume, reception being excellent.

A weak station was just audible between W3XAL and W9XF, too weak to understand talk. GBX and 2ME were both R8, with slight static, at 5 p.m.

KIXR was heard for a while before 8.30 p.m., on about 25.5 metres. I thought it was a strange station, but the call "Radio, Manila" was given at 8.30 p.m., when "closing down" till 6 p.m. When they opened again one hour later, they were on their regular wavelength of about 26.3 metres. RA97 at 10.30 p.m. was R9 with music and talks.

Old Features Revived

(Concluded from page 30.)

a variety of resistance, tuned-anode, and choke-capacity circuits, all of which, no doubt, had their advantages.

There are still hopes of a crystal revival. In one sense the quartz crystal has carved out quite a new and special field for itself as a piezo oscillator. But, apart from this, one can remember the sudden flush of interest that was aroused in the ordinary oxide or crystal rectifier when Lossé and Round discovered that it could (sometimes) be made to amplify the received signals.

Owing to certain difficulties, and to a drastic drop in the price of valves, this interest has waned for the time. But it is quite on the cards that the despised crystal may yet develop new and unsuspected qualities and again take first place in the affections of the broadcast listener. This would be "ringing the changes" with a vengeance. —By Sexton O'Connor in "Modern Wireless."

Twenty Years King

(Concluded from page 2.)

There was a pervading realisation, deep and strong, that had his realm been shattered he personally would yet have stood unshaken in renown.

George, the Beloved, for as such he merits long remembrance, is by nature unpretentious, guileless of endeavour to turn events into occasions of self glory. Had he not been king he would have made a wholly admirable English country gentleman, seeking the simple joys and doing the plain duties of such a gentleman's life, or perhaps a faithful, toil-loving Admiral of the Fleet. His pronounced individuality, expressed in energetic talk and eager interest, has made him everywhere a welcome influence, and his happy laughter has proved him to be delightfully human. With this naturalness has been associated a high sense of duty.

TO war purposes he devoted, in one sum, practically his whole income for one year—and much more besides that special gift. To set a conspicuous example in patriotism, he gave up alcohol for the duration of the war, just as he had, long before, so reduced his scale of living that food rationing, to which he conformed at once on its introduction, hardly made any difference at his table. He has been religious without ostentation. Throughout the twenty years of his reign he has been an example to his people in the practice of what are known as the domestic virtues.

THESE twenty years have been marked by industrial unrest, constitutional crisis, political agitation, and excitement; and in them fell to recur to that for a moment, the greatest war the world has known. But he has met all the demands of changing, testing circumstance. Before his accession, he took the duties of coming kingship very seriously. Especially did he set himself to know his destined kingdom, visiting even the outmost dominions of his inheritance. Six times he went to Canada, three times to India, twice to South Africa, and most of us remember his coming to the lands of the South Pacific. When the war befell he was, as ever, accessible to every appeal, uttered and unuttered, for service in the nation's cause. He proved indefatigable. Said Mr. Lloyd George, in the third year of the war, "There is one man who is working as hard as the hardest-worked man in this country, and that is the Sovereign of this realm."

His Majesty knew, it was said, more about the war than did any one of his Cabinet Ministers. All the secret papers of the Foreign Office, all the confidential reports of diplomatic missions abroad, all the correspondence of the India Office and the Colonial Office, all the uncensored naval and military dispatches, and all the multitudinous returns of Government Departments, on the myriad subjects that claimed his interest and attention, were perused by him at first hand.

Taking an average, his working day was then between twelve and fifteen hours, according to the rough estimate of those in a position to know. He took a personal interest in every branch of the fighting services, visiting

Australian News and Programmes

AS reception from stations across the Tasman is now fairly dependable, 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 15th.

STATION 2FC, 10.37 p.m.—"Tally Ho!" an original musical comedy in one act.

Station 2BL, 9.30 p.m.—The A.B.C. Players present "Outward Bound," by Sutton Vane.

Station 3LO, 10 p.m.—Dance Programme by Mark Makeham's Melodians, interspersed with novelty and vaudeville numbers.

Station 3AR, 9.30 p.m.—A relay from 2BL of "Outward Bound."

Friday, May 16th.

STATION 2FC, 9.30 p.m.—"The Big Four" will entertain with varied numbers. 11 p.m.: The Collingwood Citizens' Band will present: (a) March, "Glenwood"; (b) Quartet, "Aloha Oe"; and (c) Foxtrot, Selected.

Station 2BL, 10.15 p.m.—A two-pianoforte recital by Carl Morris and Madame Evelyn Greig, "Concerto in G Minor" (Mendelssohn).

Station 3LO, 9.30 p.m.—The first of a series of Historical Sketches, entitled "Good Queen Bess," with music characteristic of the period.

Station 3AR, 9.45 p.m.—Community singing from the Central Hall, Geelong.

Saturday, May 17th.

STATION 2FC, 9.22 p.m.—An Irish interlude by Nora Hill, soprano: (a) "O'Donnell Adoo"; (b) "The Sea Singer," and Irish countryside songs. 10.15 p.m.: "Packing Up," a radio play.

Station 2BL, 10 p.m.—A description of the fight at the Sydney Stadium.

Station 3LO, 9.30 p.m.—"A Country Wedding," a musical sketch. 10 p.m.: Episode 3 of "The Pickwick Club."

Station 3AR, 10.45 p.m.—A Variety Programme, including selections by the Royal Brass Band.

Sunday, May 18th.

STATION 3LO, 8.35 p.m.—Captain Donald MacLean's "At Home." A musical and literary talk. 9.30 p.m.: Hamilton Webber and his State Ensemble broadcasting from the State Theatre, with Frank Lauterman at the Wurlitzer.

Station 3AR, 8.30 p.m.: Divine Service from St. Paul's Cathedral. 10 p.m.: Relay from 2BL.

Monday, May 19th.

STATION 3LO, 9.30 p.m. "The Second Mrs. Tanqueray," a play in 4 acts.

Station 3AR, 7.45 p.m.—Dinner music by Mark Makeham's Melodians. 9.45 p.m.: Brass Band and Variety Items. 10.10 p.m.: "Samuel Goes A-Singing," being further extracts from a hitherto unpublished diary of Samuel Pepys.

Tuesday, May 20th.

STATION 3LO, 9.30 p.m.—"By the Fireside," a selection of the folk songs of Scotland, presented in a novel way. 11 p.m.: "The Spur of the Moment," a radio drama.

Station 3AR, 9.45 p.m.—Dance music, interspersed with vaudeville numbers.

Wednesday, May 21st.

STATION 3LO, 9.30 p.m.—Relay from 2FC, Sydney, of an Orchestral Concert by the Professional Musicians' Union Orchestra.

Station 3AR, 10.30 p.m.—"The Vagabonds," a colourful description of the sights and sounds of Hong Kong.

the Grand Fleet and the naval bases and the armies in France, and especially endearing himself by the patient thoroughness and simple kindnesses of his tours through munition works and hospitals. These things cannot be forgotten. They are recalled now with satisfaction and thanksgiving.

He has done much to give us, as a people, a purified monarchy—as the fount of honour rather than the source of law, I may repeat—and to make it the rallying centre of a nation's affection instead of the imperious creator of their fears. In a kingdom so blessed and served there may be, there is, a citizen-freedom the equal at least of that enjoyed in the most thoroughgoing republic. To a freedom of that kind we British have attained, and in our loyalty to the Throne we really ex-

press our fealty to the great commonwealth of which the Sovereign is the chief representative rather than the ruling head. When the throne is occupied by one who serves the realm with such conspicuous devotion and dutifulness as has His Majesty served it during these twenty years, it is a bulwark of national liberties and a bond of national union. And in thought of this we do not, we cannot, forget how well His Majesty has been supported by every member of the Royal House.

I give you, as a mental toast for this celebration, a variant of the familiar "Gentlemen, the King!" Ladies and gentlemen, of all ages, all classes, all creeds, all tastes in politics, all grades of culture, join with me in honour to George the Beloved, "long to reign over us" in the good providence of God.

A Curious Situation English Cup Final

Radio Advertising Broadcast by B.B.C.

AN interesting development is reported in the British and Continental radio world. As is well known, advertising, either direct or indirect, is banned from the programmes of the British Broadcasting Corporation, while in America the sponsored programme plays a very important part in catering for the needs of advertisers—in fact, it provides the great bulk of the American programmes.

Owing to technical changes recently, it has now become possible for a large section of the British listening public to hear Continental stations, and on Sunday, when the British broadcasting stations provide a minimum service, the practice is growing up for powerful advertising corporations to employ Continental stations for the diffusion of sponsored programmes. The first to move in the matter was the firm of Kolster-Brandes, Limited, of Sidcup, Kent, who arranged for a series of concerts on alternative Sundays from a Dutch station. Announcements were to be made in English and in Dutch. This hour of music, including many "by request" items, proved popular, and it was extended and broadcast alternately from the Dutch station and from a French station, under the auspices of the sponsoring firm. The time was also extended to two hours.

A radio-publicity organisation was then formed with headquarters in Paris, and the Revelation Suitcase Company arranged, through this organisation, for a Sunday concert from Radio-Paris. Following on this, certain British firms, notably Carreras, Limited, cigarette manufacturers, and Decca Gramophones, arranged for sponsored programmes through the same station. It is interesting to note that British newspapers have refused to publish advertisements giving details of these broadcasts, but what is more curious is that, despite their antagonism to radio advertising, the British Broadcasting Corporation is permitting advertisements of these publicity concerts in the "Radio Times" and other B.B.C. publications.

The actual publicity of these Continental broadcasts is confined to the announcement of the name of the firm and a reference, at the conclusion giving the address to which listeners may send requests for particular items.

A Wireless Feat

A REMARKABLE wireless feat is reported from Canada in the accomplishment of two-way telephonic conversation between a high-speed express train on the Canadian National Railways and cities in Great Britain. In the presence of a group of Canadian and American newspaper men some 60 telephone calls were put through from the speeding train and recipients in Great Britain.

The conversation throughout was reported to have been clear and distinct, like any other telephone conversation. The process by which this feat was accomplished was perfected and manufactured by the Chief Engineer of the Canadian National Railways, Mr. J.

AN interesting cabled item during the week records the fact that the British Broadcasting Corporation gave the British listeners a running commentary upon the course of the game in the English Cup final, fought at the Wembley Stadium before his Majesty the King and a crowded assemblage of upwards of 90,000 people, between the teams of Arsenal and Huddersfield. It is mentioned in the cable that this broadcast was particularly appreciated by the blind, especially by those who had lost their sight in the war but retained their interest in football.

That point was one which was strongly brought out in New Zealand in the course of the recent controversy over the question of the broadcasting of the matches undertaken by the British touring football team. In addition to that special appeal to ex-service men, New Zealand has the additional claim on the part of a large number of rural dwellers, keen supporters of Rugby, who would be unable otherwise to participate in the outstanding games of this tour.

Railway Wireless

New French System

THE inauguration of the first railway wireless service on French trains took place recently when a special train left Paris for Rouen carrying by the State Railway Department over 200 people invited for the occasion. The train consisted of seven coaches, each containing nine compartments capable of seating eight people. An aerial was stretched along the roof of the second coach, and a similar aerial along the roof of the third coach, beneath which was a second wire extending along one-third of its length, and used as a counterpoise. The object of these aerials is to send and receive telegrams on short waves during the journey. One compartment in each of these coaches was fitted up with the receiving and transmitting sets, a gramophone pick-up, and a large frame mounted inside a second large frame which can be tuned independently. A seven-valve superheterodyne set is used for broadcast reception. Each compartment is fitted up with eight plugs for earphones, which are procured from the radio agent on the train. A power amplifier working in conjunction with a gramophone pick-up has also been installed in a special radio van, and when reception is poor, passengers are entertained by selections of gramophone records which are announced by the train announcer before and after each record.

R. Burkholder. This achievement is certainly of a very outstanding character, and indicates a marked advance in radio equipment. Further details of the method by which it has been accomplished will be eagerly awaited from American trade journals.

The Greatest Value in Radio.

STEINITE All-Electric

3 Screen-grid Valves, Power Detector, 245 Push-pull Audio, in beautiful butt walnut console cabinet with Electro-dynamic Speaker.

Prices £42/10/-, and £47. Model 40, £52/5/-.

Radio-Gramophone combination, £87/10/-.

EASY TERMS.

FREE DEMONSTRATIONS.

G. G. MACQUARRIE LTD.,

120 WILLIS STREET.

RADIO DIRECTORY

What to Buy and Where

CITIES

- | | |
|---|--|
| AERIAL MASTS | Domestic Radio Co., Ltd.,
300 Queen Street, Auckland. |
| ALTONA & HAMMARLUND-ROBERTS SETS. | Johns, Ltd.
Chancery Street, Auckland. |
| BURGESS RADIO BATTERIES, | All Radio Dealers. |
| CROSLEY RADIO RECEIVERS | Harringtons (N.Z.), Ltd.,
40-42 Willis Street, Wellington. |
| CROSLEY RADIO | Abel, Smeeton, Ltd.,
27-29 Customs St. E., Auckland. |
| KING RADIO RECEIVERS ... | F. J. W. Fear & Co.,
63 Willis Street, Wellington. |
| LISSEN RADIO PARTS AND KITS | All Radio Dealers. |
| MAJESTIC RADIO RECEIVERS | Kirkcaldie & Stains,
Wellington Agents, Lambton Quay. |
| MULLARD VALVES | All Radio Dealers. |
| PILOT 1930 PARTS AND KITS, ETC. | Abel, Smeeton, Ltd.,
27-29 Customs Street East, Auckland. |
| PILOT 1930 PARTS—PILOT SUPER WASP KITS, GILFILLAN, KELLOGG and ATWATER KENT SETS | Harrington's, N.Z., Ltd.,
138-140 Queen St., Auckland.
40-42 Willis St., Wellington |
| RADIOLA RECEIVERS and Expert Radiola Service. | Farmers' Trading Co., Ltd.,
Hobson Street, Auckland. |
| STEINITE RADIO | G. G. Macquarrie, Ltd.,
120 Willis St., Wellington. |
| COUNTRY TOWNS | |
| CROSLEY SETS | Abel, Smeeton, Ltd.
Bank St., Whangarei, G. A. Temple, mgr. |
| CROSLEY SETS | Abel, Smeeton, Ltd. Rep. C. R. Buscoe,
409 Devon Street, New Plymouth |
| CROSLEY SETS | Dobbs Bros.,
176-8 The Avenue, Wanganui. |
| MAJESTIC, ATWATER-KENT AND RADIOLA ELECTRIC SETS | Radio House, Hamilton.
G. S. Anchor Manager. |
| PHILIPS VALVES AND APPARATUS | All Good Radio Dealers. |

The New 1930

is on Sale Next Week. PRICE 2/6

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