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THE RADIO RECORD

AND
ELECTRIC HOME JOURNAL

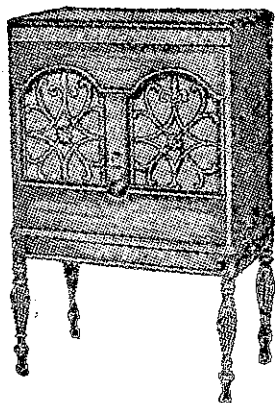
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WELLINGTON, FRIDAY, SEPTEMBER 12, 1930.

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It is to Philips that credit must be given for the introduction of the Penthode five-element valve, and the A.C. Screen Grid tube—both of such revolutionary design that it was made possible for three valves to do the work of five.

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W18R.

If they had only known

says

Mr. IVAN O'MEARA

We would have
been sent to
GAOL

THEN came the crystal set, and at that time it was a crime to make use of such things. Experiments, therefore, had to be carried out with great secrecy. A sort of secret wireless society existed at Gisborne, with its headquarters at Mr. P. Stevens' workshop at Kaiti. The speaker himself had an aerial in a tree, unseen. With his set in a small shed, he listened to the ships' signals. He kept his set



MR. IVAN H. O'MEARA.

under lock and key, and had to send to America for catalogues, from which he and others made the coils and condensers from sheet zinc. Type-writer roller knobs came in handy.

Crystals for detectors were scarce, and experiments were carried out with various minerals. He confiscated several of the best

the neighbourhood thought he was either "not quite right" or had gone back to his second boyhood. He found out that the higher the wire the greater the signal strength.

A War Time Incident.

NOW that they could receive signals, they tried to send them, and it was considered a great feat, and there was great excitement among the experimenters, when a signal from Kaiti was picked up at Mangapapa.

In the early years of the war, when the spy scare was on, one of the members was seen with an aerial on the chimney. This was confiscated by the police, and the owner fined £10. Some of the evidence adduced was claimed to be ridiculous. The papers here were full of the case, and a copy of the "Herald" was sent to America, where one of the journals printed the case in full, and in italics, pointing out the ignorance of such matters in New Zealand.

Later a radio valve was obtained from America, "in a very interesting manner," and was in use here while the Government stations were still using crystals. Later valves were to be obtained in small numbers, and subsequently, when American stations began to send Press messages, nights were spent copying down these messages for practice. In one particular case, the news appeared here by cable five days later.

This led them to listen in to the big boxing bouts in America, and enabled the Press here to publish a full description in place of the brief cable messages obtained by telegraph.

N.Z.'s First Radio 'Phone.

THE audio amplifiers then came into use, and

Mr. O'Meara took his to Mr. Stevens' shop one evening and made the first two-stage audio amplifier. Mr. R. Patty joined the investigating party at this stage. Mr. Stevens constructed the first transformer, and although it was not a great success, further attempts were made, with better results. Some of the transformers made then were better than certain ones on the market to-day. Mr. Patty made them, when there was a demand, at £3 10s. each.

They then tried marketing transmitters, and Mr. Stevens and he were able to provide the first radio telephone in use in New Zealand. Nothing was said about this in the Press at the time, because "we would have been put in gaol" if it had been given publicity. Representatives of the Press were present, however.

They continued experimenting without lawful right until 1923, when their efforts were legalised. They were placed on 200 metres down to 160 metres.

They then commenced testing between Australia and America. In May, 1924, North and South America carried out a number of test messages. On one occasion in that month he secured touch with an amateur in Buenos Ayres, establishing a new record. The next day he was asked by a radio journal in New York to rush details and a photo of himself to the paper, offering 25 dollars for the trouble. He did not accept the money, but asked instead that a 30-dollar valve be sent. The valve duly arrived, but the filament was burned out, and was of no value.

Naval Experiments.

SHORTLY after the Buenos Ayres communication, he tried experimenting on 100 metres, and then on 80 metres, on which he secured contact with (Concluded on page 2)

A Story of Early Radio

specimens belonging to an Auckland, who had a fine collection of minerals, consoling himself with the thought that it was all for the progress of science. One amateur had an aerial 300ft. long stretched between two trees.

He later experimented with flying a kite, using for an aerial a No. 24 double cotton-covered wire instead of the string. People in

ZL2AC—that is a call known to radio enthusiasts the world over. It signifies the amateur radio station of Mr. Ivan H. O'Meara, of Gisborne, whose work has made him prominent as one of the world's best-known amateur research workers. In the field in 1901, he has taken a prominent part in radio ever since. In each new development he has been in the forefront—radio reception—crystal detection—transmission—valve work—short-wave and ultra-short-wave below 10 metres. As early as 1927 he had contacted nearly 60 countries. This retrospective talk, given by Mr. O'Meara to the newly-formed Gisborne Radio Club, will prove of considerable interest to listener, experimenter and ham.

RADIO, as the ordinary person knows it, is listening to broadcasts of football matches, musical programmes, fights, and many other items, but there is a more interesting side, said Mr. O'Meara. Greater interest lay in the communication with fellow-transmitters in various parts of the world.

The world is a small place to wireless amateurs, for by means of the Morse code they could communicate with people of all nationalities. They could also converse by voice, but, with the restrictions in the matter of wave length, this was not very successful outside Australia and New Zealand. Voices could often be heard with clearness from America, although reception in America from New Zealand was not yet clear.

Fight for Existence.

THE amateur radio men had their organisation, both local and international, the latter having grown from a purely American organisation to one of 20,000 members all over the world.

The wireless amateurs had to fight for their existence, and at one time were in danger of being crowded out. The amateurs now made use of the shorter wave lengths of from 10 to 80 metres. With the use of very small power, they were able to cover great distances. Prior to the amateur, the low frequency or long-wave lengths were in the greatest demand, the commercial stations using from 2000 metres down to 200. It remained for the amateur to discover that good results could be obtained from low wave lengths, with the result that now they were confined to a low range. In this low range, from 15,000 to 20,000 amateurs were operating, fortunately not at the same time.

In 1901, when the present King and Queen were visiting the Dominion as the Duke and Duchess of York on the ship Ophir, Mr. O'Meara made his first acquaintance of radio. On that occasion he found the telegraph engineer at Gisborne trying to despatch wireless messages to the Ophir lying in the bay. The vessel, however, did not hear the messages. The aerial used on the Ophir was a piece of copper wire up the mast and dangling down about 20ft. The local apparatus was very crude, but the speaker thought then that it was "just the thing."

PRECISION! THAT MEANS VALUE

A striking example of the marvellous precision used in achieving the supreme performance of all "Gulbransen" models is shown in the final testing of the efficiency of each set, which must measure to within four-millionths of a volt of the master laboratory model. All the other equipment used is made and tested with the same care.

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League of N.Z. Penwomen to Provide Programme for 1YA

THE well-known and flourishing club in Auckland, the League of New Zealand Penwomen, which is devoted to the arts, will provide a programme for broadcasting from 1YA on Wednesday, September 17.

This concert has been arranged for by the 1YA Musical and Dramatic Committee, on which the league is represented by Mrs. Alice Carr Tibbits.

The club is the centre of women's intellectual life in Auckland, and its concerts, provided by members who contribute original work in songs, sketches, plays, and instrumental music, are always a delight to members and friends. Performers for the broadcast concert include: Mrs. Harold King, Mrs. Herbert Bloy, Miss Amy Hansard, Miss Marjorie Tiarks, Mrs. Arthur Griffiths, Miss Mary Brett, Mrs. H. R. Hesketh, Misses Amy Stevenson, Rita Phillips, and Edna Sheldermine, Mrs. Culford Bell, Miss Oona Burton, Miss Gertrude Bertram, and Messrs. George Moody and Boswell.

The club, which has grown from babyhood to settled maturity in Auckland, has had a very successful career. "Sincerity—in Friendship, in Art, and in Ideals," is its motto.

This women writers' club, which held its first meeting in April, 1925, bears testimony to the advancement of the women of New Zealand, and its progress since that time has proved the advantage of the establishment of such an organisation to encourage the undoubted creative talent available in the Dominion.

Formed on the lines of, and incorporated with the penwomen's clubs of America, its object is to stimulate creative art among New Zealand women, to assist in finding markets for the work of the members, to maintain a board of critics and advisors, and, by holding exhibitions of work done, to give practical encouragement to writers and artists, and to foster a spirit of comradeship among them.

The league, which was brought into being in Auckland by Mrs. Victor Macky (Edna Graham Macky), in association with Mrs. Carr-Rollett

"I'll put a girdle round about the earth in forty minutes," says the fairy Puck in "A Midsummer Night's Dream."

But it is no fairy tale that any owner of one of—

MACK'S FAMOUS TWO, THREE OR FOUR-VALVE SHORT-WAVE SETS

Can get round the world in a trice.

Owners of local-receiving sets, especially the Q.P., would be well advised to attach one of these dependable short-wave sets and prove this.

No imported goods come up to these famous sets—for performances. We do not export our goods, but make them here for New Zealanders.

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Early Radio

(Continued from page 1.)

Connecticut. A South Islander later got into touch with England, this being the commencement of the international telegraphy among amateurs. Later they started working at 40 metres, then on 20 metres. It was at first thought that 20 metres would not be successful, but later it was found that with very short wave lengths messages sometimes skipped distance at various intervals. It was discovered, however, that 20-metre signals were valuable for daylight messages where higher wave lengths failed. Some years ago he worked Indo-China on 14 metres.

He then had the pleasure of doing some experimental work with the Naval Laboratory of the United States. In 1925, when the United States' battle squadron was in Australian and New Zealand waters, a representative of the radio amateurs in America travelled with the squadron for experimental purposes on the short wave lengths. The powerful transmitters on the battleships were found useless beyond 3000 miles, whereas the short-wave sets were quite effective, and carried most of the traffic of the fleet. This demonstrated the wonderful usefulness of the short wave, and was the start of the short-wave apparatus in the American navy. Great Britain was not far behind.

He related a number of incidents of long range communication. On one occasion he relayed an important message from Paris to a French ship at Shanghai, and dealt with the reply in about ten minutes. He also communicated with the MacMillan polar expedition and received a message from the leader of the party for the Governor-General of New Zealand. He had his first experience with commercial work in relaying corrections for 800 telegrams between Paris and Asia.

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DRULEIGH COLLEGE

TASMAN BLDGS., ANZAC AVE., AUCKLAND.
STATION Z.L.I. bx.

Stewart-Warner Radio Chosen by Spelling Bee Winner

Mr. Norrie (official adjudicator):

"Spell Non-concurrence."

Mr. Spring: "N-o-n-c-o-n-c-u-r-r-e-n-c-e."

Mr. Norrie: "Right!"

... and this concluded the Spelling Bee Competition. Mr. Spring was entitled to choose any radio as his reward. We congratulate Mr. Spring on his good fortune.

Mr. Spring knows a good radio when he sees one, and after giving every consideration, chose a STEWART-WARNER RADIO as representing the best and most up-to-date Radio obtainable. But read his letter, his own words will tell you what he thinks:—



September 3rd, 1930.
8, Flers Street,
Rarori, City.

Messrs. Hope Gibbons, Ltd.,
Stewart-Warner Radio Division.

Dear Sirs,

I take much pleasure in telling you how pleased I am with my choice of a Stewart-Warner Radio. I had the opportunity of taking any set, but after making exceedingly careful comparisons for tone, power, selectivity, and gramophone reproduction, I decided that yours was by far the best instrument. Being, too, a keen radio amateur, and knowing something about commercial radios, I consider the Stewart-Warner one of the neatest and well set out chassis units I have seen. It is something to be proud of. I am very pleased at having won the "Spelling Bee" Competition which entitled me to make a free choice of the best radio obtainable, and I look forward to many happy hours with my newly acquired Radio.

Yours very sincerely,

F. Spring

NO champion has been so sensationally successful as the Stewart-Warner Screen-Grid Radio. It has completely knocked out all previous standards of "best" in radio performances. It is so powerful that it brings distant stations booming in with absolute fidelity of tone... so selective that stations which you only know by hearsay are instantly at your command no matter how near you may be to a "local." This success did not just happen... it is not a lucky fluke. It is the result of over 25 years of experience in the production of high-grade electrical equipment... of supervision which insists on unmerciful accuracy in the manufacture of every unit. Ask your dealer for a demonstration and you will both hear and see why the Stewart-Warner has been proclaimed the winner by everyone who has heard it.

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AUCKLAND

CHRISTCHURCH

WELLINGTON

The New Zealand Radio Record

—AND—

Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX. 1032. WELLINGTON.

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

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

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

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

WELLINGTON, FRIDAY, SEPTEMBER 12, 1930.

UNITY THROUGH RADIO.

VISIONS of increasing world unity through radio, in the artistic and literary field at any rate, are raised by a British Official Wireless message just published. This announced that, in the course of the next few months, listeners in the British Isles will be enabled to enjoy direct contact through improved land line communications with the three outstanding music centres on the Continent of Vienna, Budapest and Warsaw.

This has been made possible by the co-operation of the International Broadcasting Union, which has its headquarters at Geneva. Recently the experiment was carried out of broadcasting the Salzburg Mozart festival. The results were brilliantly successful. Improved technical efficiency in land line communication now makes it possible for perfect clarity to be achieved over long distances. From the technical point of view, therefore, distance has been conquered, and it is now feasible for practically the whole of Europe to be built into one link.

BUT the advance of radio does not stop even there. Experiment has ever been proceeding, and the result of the efficiency achieved through these continued experiments is seen in the announcement that closer communication in the radio world is about to be established between the United States and Great Britain. In the interview with Mr. A. R. Harris, which we published on his return from his recent visit to the United States, he indicated that through the use of diversity antennae increased efficiency in the reception of short-wave broadcasts was possible, and that it had been found the United States was able to receive British programmes with a remarkable degree of efficiency.

Through that efficiency it has now been arranged that a regular series of talks will be directed to American audiences by famous Englishmen, the names to be featured in the first series being Sir Oliver Lodge, Mr. H. G. Wells and Mr. John Masefield. This constitutes a remarkable advance. Not only will the thought of these

famous Englishmen be of interest to the United States, but their diction and their use of the English language. It has long been recognised that radio would inevitably tend to the elimination of local diversities of speech and the establishment of the language on a broad basis of standard purity. Such broadcasts as these will accentuate that process.

Incidentally the development of the talkie film is working in the same direction, although from a reverse angle, viz., the exhibition of the puerilities of what is known as the ordinary American dialect. That is simply being pushed out of existence by "talkie" diffusion, and is being replaced by actors whose language is understandable and appreciated by British ears.

ANOTHER amazing development in radio is that foreshadowed by

Mr. Harris, when he indicated that recordings of overseas programmes will shortly be secured, and in the comparatively near future be made available to New Zealand audiences. Certain difficulties, both from the technical and business point of view, may have to be overcome before clarity and perfection are attained; but this is a consummation of the future which certainly will be impatiently awaited by New Zealand audiences which desire to participate in the world's best.

Great as have been the advances of the past quarter century, it is plain from this indication of events that, at any rate in the harvesting of the gains of the past, much yet awaits us.

Radio Licenses for Broadcast Items in U.S.A.

A MOVEMENT has begun in the United States, where there is no license fee for radio listeners, to enact legislation which will bring revenue to the States from radio operation, the proceeds to go toward paying the cost of the Government's radio research and standardisation activities, as in Canada, where the fee amounts to one dollar. South Carolina, for instance, recently set up a law that imposes an annual license tax of fifty cents on each radio receiver costing fifty dollars or less; one dollar on each set costing between fifty and two hundred dollars, and up to 2 dollars 50 cents each for sets in the higher price ranges.

To make the law operative the Act requires: That each and every person, firm and corporation engaged in the business of selling, bartering or exchanging radio receiving sets, shall keep a separate record of such sales especially showing the person to whom such sale is made; that such records required to be kept shall be subject to inspection by the State tax commission.

AN interesting experiment was carried out in Timaru on Sunday evening, August 31. Simultaneously with a concert taking place in Ashburton, which was being broadcast by 3YA, a concert was being given in Timaru, and the occasion was taken advantage of to use some of the Ashburton concert for the benefit of the Timaru audience. The opening number by the band was accordingly picked up and reproduced by loudspeaker in the Timaru hall, and later on in the evening another selection, in which the Timaru band was joining, was also reproduced. In this case, six beats on a drum in the Ashburton theatre gave the Timaru band conductor the necessary cue.

It was an interesting instance of how the organisers of concerts in two towns can co-operate by the use of a radio broadcast. As those who heard the Ashburton broadcast know, the concert given by the Ashburton Silver Band, under Conductor H. J. Osborne, was of particular merit.

Talks on Pottery

MISS BRIAR GARDNER, who recently won the spelling-bee contest at IYA, will appear at the Auckland station in a new role next Wednesday evening, when she will give the first of a series of talks on "Pottery." Miss Gardner is a very proficient exponent of this craft, and in her lectures she will describe the many ways of making pottery from the earliest times down to the present day.

HAVE you renewed your subscription to the—
"Radio Record and Electric Home Journal"?

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Maori Photographs

READERS who sent in 3/- for a photograph of the Maori party who entertained at the Wellington Exhibition, will within a week be able to obtain the photographs. Some delay has been occasioned by the difficulty to obtain some of the names, but they are now to hand, and orders will be executed as soon as they can be printed. If any other readers desire copies of the photo. (full plate, mounted with names of the performers), they can obtain same by applying to our office—Box 1032.

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How the Child Mind Develops

MISS M. G. THORNTON, of the Teachers' Training College, Wellington, gave a very interesting and valuable account to 2YA Children's Sessions Advisory Committee, of which she is a member, when she told of the result of tests made at Kelburn School with children between the ages of 5 and 11 years.

The advisory committee, in its desire that the sessions should fulfil to the greatest degree possible the purpose for which they are intended, at the previous meeting set up a sub-committee to make full investigations and submit recommendations. It was in this connection that Miss Thornton carried out the tests.

In reporting on the result, Miss Thornton said: "The tiny tots I took in little groups and then individually. For Standard 1, I asked them to dramatise a 2YA children's session. They acted the parts of the Uncles and Aunts and the listeners-in. For Standards 2, 3, and 4 I gave a questionnaire, and this is a summary of the results: The interest of the children varies according to the age. From 5 to 5½, the dominating interest was the Nursery Rhyme and Nursery Jingle. From 5½ to 6½, the nursery rhyme interest was still very strong. The interest in birds and animals, domestic and wild was dominating. I asked them what stories they liked best, and they said about animals and birds. From 6½ to 7½ they were interested in children and grown-up people and people who do things, such as the man who drives the car or aeroplane, people whom they come in contact with in their daily life, such as tradespeople, etc. Seven and a half to 8½; the boys of this age, when they were dramatizing 2YA, said: 'You cannot have 2YA without the machinery.' Some of them had to go in a corner and work the machinery. That is the mechanical interest developing. They were also interested in children and people. Birthday greetings at this age are very important. The children who were acting the Uncles and Aunts called greetings to children from Auckland to Invercargill. They were interested in places, showing very definitely that children of this age are realising there are other people in the world beside themselves.

"Standard 2. They were interested in what has gone before; consolidating the previous stages. They did not show definite interest in anything new. Standard 3 showed a definite interest in the Maoris. Of course, that shows the influence of the school work. Standard 4, 10½ to 11½, wanted stories of history, pirates and adventure. Throughout all stages, fairy stories are of great interest. When I asked them whether they liked adults or children performing, the majority voted for child performers."

Sailor Concert

AN attempt is being made to engage some of the men off the warships stationed at Auckland to put on a programme from 1YA. It is stated that there is some excellent talent among the sailors, and such a programme should be well received by listeners.

Noted Australian Baritone To Sing from 1YA

DURING his present visit to New Zealand, Mr. Rex Harrison has delighted 2YA, 3YA and 4YA audiences. He is now engaged to sing at 1YA on Tuesday, September 16, Friday, September 19, and Sunday, September 21, so that Auckland listeners may look forward to some excellent music.

On Tuesday Mr. Harrison will sing "The Devout Lover," and "Waves." His items on Friday will be the "Prologue to 'Pagliacci'" and "Lorraine, Lorraine, Lorraine."

On his third appearance at 1YA he will give a special after-church recital. He will sing "How's My Boy," two songs by Cadman, "To Be Near My Beloved," and "The Moon Drops Low," Hydn's spirit song, "Hark What I Tell to Thee," and "It is Enough" (from Mendelssohn's Elijah).

Mr. Harrison is a New Zealander who, as a broadcasting artist, has met with great success in Australia.

He has sung frequently from all the "A" class stations, and last year won a broadcasting championship held by 2FC and 2RI. Sydney. In a radio contest he was first out of 86 entries.

It is of interest to Christchurch listeners to know that Mr. Harrison received his vocal tuition from the veteran teacher, Mr. H. M. Lund, of Christchurch. During the twenty years Mr. Harrison has been singing professionally he has given recitals in many of the leading cities of Australia. His voice is a pure baritone and his enunciation and interpretation have been acclaimed by Press musical critics.

Mr. Harrison comes of a musically-gifted family. His father was a band conductor and organist. To his parents he owes much of his early training, for they laid the foundation of his mastery of diction, enunciation, breathing and phrasing.

which Sir Oliver Lodge, Mr. H. G. Wells, Mr. John Masefield, and other famous Englishmen will contribute.

Concerning these Continental relays, it is interesting to look back a few years to realise the progress that is being made. Seven years ago the extent of London's telephonic connection with the Continent was limited to Paris and Brussels—to-day it is indirect telephonic contact with 90 per cent. of the existing telephonic systems. This has become possible solely by the invention of the radio valve amplifier. The importance of valve amplification is illustrated by a recent successful telephonic experiment from Stockholm, Sweden, to England, thence by wireless to America, and round America by land lines. Valve amplification took place many times on the way, without which the transmission of speech would have been impossible.

TWO artists who are to make reappearances from 1YA soon are Maisie Carte-Lloyd and Edna Langmuir. The former, who was lately with J. C. Williamson, Ltd., will be heard in elocutionary items on September 26. Miss Langmuir, one of the most versatile artists ever heard from 1YA, and a former member of the Minus Fives, has been away in Australia for some time on a professional stage engagement.

Wellington Exhibition

Presentation to
Mr. C. G. Camp

AT a special meeting of the exhibitors at the Wellington Radio Exhibition the report of the Exhibition Committee, Messrs. F. H. Fitt, T. H. Megann, C. Rickard, G. Robertson and C. G. Camp, secretary, was presented.

Mr. Robertson, N.Z. manager of A.W.A., occupied the chair. He said that, viewed from every point, the show had been a success, and he felt that the 12,000 people who had attended had been more than satisfied with the exhibits and the methods taken to ensure their entertainment.

Special attention was drawn to the part played by the Wanganui Maori party in supplying the majority of the entertainment, and reference was also made to the orchestra, who rendered items every afternoon during the exhibition.

Mr. Robertson then presented the balance-sheet, which was unanimously adopted, and a vote of thanks was then passed by all present to the management on their initiative and resource in organising and making the show such a success, both financially and in numbers of attendance.

Before the meeting concluded a presentation was made to Mr. C. G. Camp, secretary of the Exhibition Committee. Prior to the presentation, the chairman of the committee spoke of the application and energy which Mr. Camp had displayed before and during the course of the exhibition, and Mr. Robertson asked him to accept this token as a tangible expression of their appreciation.

Mr. Camp, who suitably responded, said that he had enjoyed the work, and any of his success was only made possible by the co-operation of the Exhibition Committee, who were only too pleased to render their services whenever called upon, and he felt sure that when future exhibitions were held the knowledge gained from this show would undoubtedly be of value.

The meeting then closed.

Evolution of Railway

JUST 100 years have elapsed since the opening of the Manchester-Liverpool railway, and in this time there have been great developments in this means of locomotion. This will be the subject of a talk at 3YA on Monday, September 15, the speaker being Mr. H. R. Farr, of the Traffic Department of the Railways, Christchurch.

Forty-nine years prior to that, George Stephenson was born, and it was in 1814 that his first locomotive attained a speed of six miles an hour. Fifteen years later, in 1829, his famous "Rocket" travelled at the rate of 25 to 35 miles an hour, and obtained a prize of £500 offered by the directors of the Liverpool-Manchester railway company for the best locomotive.

That was practically the beginning of railways, and what has happened since will be the subject of Mr. Farr's talk.

International Broadcasts

European Programme for Britain

A BRITISH official wireless message published on Saturday last states that by an extension of the relay system British listeners, after a few months' time, will be connected with the three big European musical centres of Vienna, Budapest, and Warsaw. Recently the Mozart festival at Salzburg was relayed and attended with brilliant success both from the technical point of view and the appreciation of listeners. This has led to the extension of the arrangements now proposed through the co-operation of the International Broadcasting Union, which has its headquarters at Geneva.

Improved types of land lines will, it is believed, provide English listeners with broadcasts fully equal in clearness to studio performances.

It is also announced that the British Broadcasting Corporation is developing its communications with America, and interchanges of items will be more frequent in future. America is shortly to hear, among other items, a series of talks entitled "England Calling," to

Batteryless Radio

WHILE in Toronto, Mr. A. B. Harris had the pleasure of meeting Mr. E. S. Rogers, the man whose genius created the batteryless radio set, and who is now the vice-president of the great corporation which makes the set with his name.

Before Mr. Rogers had finished his studies as a schoolboy, he was an experimenter with the new wonder of the age—then known more generally as wireless. School and college were no sooner finished that he plunged right into radio as a life work, first as a wireless operator, and later as a scientific investigator and inventor. But he did not long follow the beaten paths. While still a lad in his teens, he launched out in as yet uncharted zones of the science, seeking to solve the riddle of operating receiving and sending sets without the use of batteries. And he did solve it, as the world knows today. While still in his early 'twenties he was the first to develop successfully and manufacture a multiple valve radio receiver operating from current taken from the lighting mains and without the use of batteries or acids.

Though but a few short years have passed, it is a far cry from that first batteryless receiver to the magnificent modern instruments which are on the market to-day. As to the future of radio, Mr. Rogers remarked: "When it comes to the art of broadcasting, the art of entertaining over the air, I feel that we are all in our infancy. Greater things are before us. Radio has a future which none of us can fathom."

IYA Lecture Recital

MRS. DAISY BASHAM, whose lecture-recitals on famous composers are always appreciated by IYA listeners, has chosen Cherubini for her subject on Friday, September 19. On this occasion she will be associated with Mr. Barry Coney, the well-known baritone.

Listeners will find this lecture-recital to be of more than usual interest. Cherubini, born in Florence in 1760, lived to the great age of eighty-two. In the important development which music underwent in those long years, he had himself a large share; the Church and theatre music of France in particular, to which he devoted most of his mature work, owe him more than it would be easy to compute. For the most part grave and serious, his music displays a breadth and vigour not unlike the great Beethoven's; it is all sincere and dignified, even in its more light-hearted moods.

Limerick Selections for 2YA Eight O'clock Revue

SATURDAY last had in store another bright evening for listeners to 2YA, when Mr. Bishop broadcast the fourth "Eight o'clock Revue." The original numbers always contain some surprises, and last Saturday was not without its quota.

In the third series of Limericks, on the subject of Motors and Motoring, the winner by popular vote was announced as Mrs. O. Williams, 52 Cornwall Street, St. Albans, Christchurch. Her Limerick (No. 5) read:

*There was a young lady named Rita,
To a car thought her hubby should
trita,*

*But the time has passed by
And a new car they buy,
Called a pram, and what's more—
a twosita!*

and she has been sent the "Radio Record" prize of a guinea.

The Limericks read over the air for judging in this series were on the subject of Marriage, and listeners are asked to send in their solutions to Mr. Will Bishop, G.P.O., Box 1032, Wellington, by Thursday, September 11. The first six, from which the winner will be chosen are appended. The subject for the next competition is "Music or Musicians," and the Limericks must reach Mr. Bishop, together with the judging for the fourth series.

No. 1.

*There was a young fellow called
Jeff,
Whose wife ran away with his chef;
They eloped in the night
And he heard 'em all right,
But sometimes it pays to be deaf!*

3YA "Fairy Song"

*The fairies are so happy,
And shall I tell you why?
They never fuss or grumble,
They never frown or cry!
From all their tasks before them,
They never run away.
They never shirk their bits of work,
And this is what they say—*

No. 2.

*A certain young lady named Morse
Wed an officer out of the force;
Her nighties were red,
She ate biscuits in bed;
He sure has some grounds for
divorce!*

No. 3.

*A carpenter known as Bill Phipps,
Who was working on Home-going
ships,
Got spliced, I'm afraid,
To a fair fisher maid;
Will the progeny be Fish and Chips?*

No. 4.

*We have a star boarder named
Prouse,
Who flirts all the time with my
spouse;
If they're out late to-night,
I shall switch out the light;
I'll show them who's boss of this
house!*

No. 5.

*A maiden who married did rue it,
Her mother said, "Well, you would
do it,
But take my advice,
Just pretend to be nice;
Then grease all the stairs with some
suet!"*

No. 6.

*He was my newly-wed brother,
His impatience he tried hard to
smother;
When the nurse he espied,
He dashed up and cried,
"Am I a proud father—or mother?"*

Chorus:

*Smile a little, while a little sunbeam
passes by.
Smile the more, and you'll restore the
brightness in the sky.
Make the world more cheery as you gaily
march along.
Watch your stride, walk side by side, and
sing the fairies' song.*

*Let's all be like the fairies,
And try their little plan,
To give a smile to others,
And help them all we can.
There's such a lot of frowning
Which doesn't do much good,
So come along, let's sing this song
Just like the fairies would.*

Distinguished Visitor

A Radio Writer

AN interesting visitor to Wellington at the present time is Mr. Malcolm A. Frost, special correspondent of "World Radio," one of the publications of the British Broadcasting Corporation, London. Mr. Frost is a writer of plays and short stories of distinction, and has specialised in the production of radio plays. In this field he has produced a number of his own works for both the British Broadcasting Corporation and Continental stations. Recently he was engaged by the National Broadcasting Company in America to demonstrate English methods of production in their studio. In the course of a month, in association with that company, Mr. Frost studied American methods, and gave their staffs an insight into the methods of production utilised by himself. One of the features which struck Mr. Frost in connection with his American experience, was the manner in which he was asked at three days' notice to produce one of his own plays. To enable this to be done, the National Broadcasting Company scrapped a previously selected programme throughout its chain of stations and arranged for the production of Mr. Frost's play. An orchestra of 35 and a choir of 16 were specially engaged for the production. Expense was no object, as is indicated by the fact that the whole of the musical score had to be specially written for the orchestra and choir from Mr. Frost's own pianoforte MS.



MR. MALCOLM A. FROST

Special correspondent of "World Radio," who is now visiting the Dominion.

Incidentally, it is of interest to know that the National Broadcasting Company, which, with the Columbia Broadcasting Company, is one of the

(Concluded on page 29.)

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MILE in America, Mr. Harris's interest naturally centred in New York, the metropolis of broadcasting in U.S.A. He visited all studios and was cordially welcomed everywhere. A hearty greeting and a warm reception are typical of American broadcasting stations.

When questioned as to his impressions concerning the American stations, Mr. Harris said that the New Zealand studios compared very favourably with those overseas—surprisingly so. However, upon consideration, he remarked, this was not so surprising, as New Zealand, because it had been late into the field, had profited by the experience of other countries, with the result that the New Zealand stations were up to date in every way.

"One's impressions on first entering an American studio are soon revised," said Mr. Harris. "One has stepped into a veritable hive of busyness. People are hurrying about, here, there and everywhere, officials and artists are there in all stages of dress and deshabille—of course, it was very hot when I was there. The fastidiously dressed performed alongside the unconventional in the most democratic way imaginable. But after one has been there for a while he realises that it is all not quite so chaotic as it seemed, and that the different atmosphere which pervades the studios and influences the artists is due to the different basis, namely, sponsored programmes, on which the services are run.

"For instance, an orchestra which has been engaged to give a programme in the interests of some advertising firm. The members will be practising in a studio, waiting their cue to go on the air. When the warning light shows, they commence immediately, play the ten or fifteen minutes for which they have been engaged, and then stop. Their interest in broadcasting seems to be finished. All that has concerned them has been to fulfil their contract to the satisfaction of the firm sponsoring them and to the advertising agency which engaged them.

"The broadcasting station, its equipment and staff seem to be nothing to them, for they have not been engaged by the broadcasting company. It is this feature that accounts for the difference noticed during the broadcasting of a concert in an American studio."

Programme Recordings.

"NOT all the programme organising is done by the American stations, this being confined to filling in the intervals between such portions of the service as were sponsored by advertising firms. Electrical transcripts play an important part in the service and in addition there were any number of commercial gramophone records. Recordings for sponsored programmes were made and sent to the hundreds of stations throughout the States, so it did not follow that one heard the actual artists when one listened in—it might be the human performer or it might be a recording. Naturally, records containing any reference to advertising would not be acceptable in New Zealand so that limited the supply of such recordings available for this country. He had, however, been successful in making arrangements which would enable New Zealand listeners to get an idea of the type of programmes broadcast in America. The records to be broadcast from the YA stations will be recordings by artists

The General Manager Expresses His Views on Radio of the Future Impressions of the American Tour

of wide reputation. After all, all the prominent artists of the world find their way to New York at some time or other, and the recordings to come to New Zealand will not be restricted to performances by American artists."

AS has been previously stated, Mr. Harris specially interested himself in respect to procuring supplies of recorded programmes for broadcast from the New Zealand stations. The lim-

required to be performed only once at their highest rendition to make them available to the public in their very best and highest forms. This applies not only to the standard of actual performance and the engagement of the world's best talent, but also to the studio placings and procedure generally. As these are taken care of during the recording, any attention to those factors is quite unnecessary during the

A RELAY OF THE WELLINGTON APOLLO SINGERS'

First Concert of the 1930-31 Season will be carried out by 2YA from the Concert Chamber, Town Hall

ON SEPTEMBER 20.

Conductor: Mr. H. Temple White

tations as regards the population of actual broadcast performance. It is this country, together with the nominal license fee paid by listeners, make it financially impossible to consider the matter of importing artists or building up costly professional combinations for broadcast entertainment.

On the other hand, it is apparent that if the company can obtain satisfactory electrical recordings of programme matter performed for broadcast in the larger countries, it can give its listeners a diversity of entertainment as great as that in other parts of the world.

In addition, and providing satisfactory and acceptable recordings are available as well as efficient reproducing equipment, electrical transcription has much to commend it. In direct studio performance there is a commercial limit to the amount of rehearsing that can be undertaken, as the actual studio performance in broadcasting is more or less restricted to one continuous performance; whereas in the ordinary theatre, the same performance may run into days or weeks at a time.

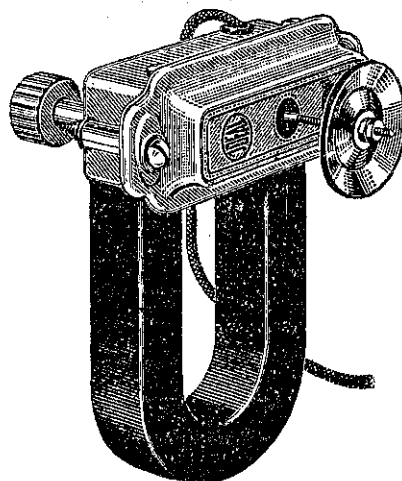
Programmes for electrical recording on the other hand can be rehearsed and improved before production, and are

With regard to this matter, added Mr. Harris, the company had for the past two years been in continual negotiation, through its consultant in America, with many prospective sources of supply for recordings and within the last six months the prospects of obtaining requirements have been very encouraging. It was, therefore, with the view to finalising arrangements that he has visited America.

Trans-Atlantic Telephony.

IN New York Mr. Harris inspected the terminal station of the American Telegraph and Telephone Company. This company has available four routes for working London, including one for working the mail steamers and also an extra one for working with Buenos Aires. All are of different wavelengths for use at different times of the day. One of the circuits, however, is a long Morse and is found to be the most reliable. Two-way conversation can be carried on and telephone subscribers ring up anywhere in the United States or Canada and converse with a second party in England. The trans-Atlantic talk costs 80 dollars (£8) for three minutes, plus land-line toll at either end. Interruption on account of fading, distortion and such like is checked up and not charged for. The conversation carried on is not intelligible other than through the company's telephone for the talking is reversed at the terminal station at each end before transmission, so that any listener picking up the station would experience considerable difficulty in making any sense of what was being spoken.

"Talking with the operator at Buenos Aires, I found conversation as easy as on a local telephone call," said Mr. Harris, "but notwithstanding the results obtained and the clarity of the transmission, I was given to understand that this method of telephoning is not as satisfactory as a direct line, and the company is at the present time laying an 1800-mile submarine telephone cable from Newfoundland to England so that the company will be in the position to assure telephone conversation between England and America equal to local connections. It was also intimated that the company has proposals for a shortwave commercial telephone service between the United States and Hawaii, and look forward to continuing the system through to New Zealand.



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BEFORE commencing his recital of H.M.V. gramophone selections at 1YA the other night Mr. Fairburn told listeners that permission had been received to hold a request session and asked them to send in any requests they wished. He stated that, although other radio artists seemed to receive a large numbers from listeners, he and Mr. Carl Atkinson had only received about half a dozen all told since they had been giving the record recitals. Consequently they were in the dark as to whether listeners appreciated the recitals, what type of record they preferred, and as to how many listened. As a result of these remarks quite a number of letters have since been received, and the idea of giving request items seems to be a popular one.

LISTENERS always seem to appreciate anything a little off the beaten track and usually welcome anything in the shape of a novelty. The short entertainment entitled "Radio Magic" by Mister Ree on August 30 was greatly appreciated by 1YA listeners, and the mysterious magician has received a large number of complimentary letters, while requests for a repeat performance are numerous. Mister Ree will be heard from 1YA again on September 27, and also on October 9.

MR. MALCOLM A. FROST, an enthusiastic radio amateur, who was in Auckland with the steamer Ar-

madale last week, spoke from 1YA during the children's hour on Thursday evening. He has produced a number of plays for the B.B.C., England, and has spoken over the radio in Belfast, New York, and Argentina. He has contributed to a number of wireless papers, and has his own set on board the Armadale.

ANOTHER break was made in the children's hour on Wednesday, September 3, when the civic reception to the crew of the Tahiti was relayed from the Town Hall. This was an excellent idea on the part of the 1YA station authorities and was greatly appreciated by listeners.

PROOF that the relays of the Wednesday community sing-songs from the Auckland Town Hall are appreciated by country listeners is given by the fact that 337 letters containing contributions from country listeners were received after Uncle Tom's recent sing-songs. One letter stated that an audience of sixty had been assembled

round one particular set and that sixteen shillings had been collected among this group of listeners.

THE sing-song on September 3 was led by Mr. Owen Pritchard, of 1YA, and there was a record attendance, with a record collection of £28. Uncle Tom was on the platform with a choir of about two hundred and fifty children.

MISS BRIAR GARDNER, winner of The Auckland section of the "Radio Record" spelling bee, is an expert on pottery and has been engaged to give a series of six talks on this subject from 1YA, commencing on September

went out one day to demonstrate a set to an Auckland family who had never owned a set before. He sold them the set and showed each member of the family in turn how to work it. Finally he came to the daughter of the house. "Yes, I see how you tune-in," she said, "but please tell me which dial you have to turn to make it go faster!"

MRS. ZOE BARTLEY-BAXTER'S presentation of the Omar Khayam Phantasy from 1YA on September 2 was excellent, and earned high praise from many listeners. The performance was well done, and the producer is to be congratulated on presenting such a finished production.

Community Singing in Auckland

AN interesting feature of the increasing popularity of community singing in the Auckland Town Hall is the lively interest that radio provokes. Take in these weekly mid-day sings. During the last few weeks the Town Hall has been taxed to its 3000 capacity, and last Wednesday, September 3, many were unable to obtain admittance. At the semi-final sing, "Uncle Tom, of 1YA," who was the song leader intimated to listeners-in that the Community Singing Committee were closing down for the season, and he suggested if they would like an extension of the season, a letter to the committee might influence it to carry on for a few weeks longer. A most unexpected response was the result. Within a few days more than 400 letters of request were received. They all contained contributions to the funds, and at the moment of writing more than £25 had been received. Letters came from all over the North Island, and as far south as Nelson. The result is that the committee are continuing the sings till Wednesday, October 1, in acknowledgment of so gracious and practical a request. The "sings" are run by a committee of city men. The only expense is the rental of the Town Hall and advertising. Last year the surplus was divided among the unendowed charities of the city. This year they anticipate quite a respectable amount for the same purpose. The "sings," being broadcast, have an added interest; and the committee is indebted to some of the 1YA personalities—Mr. Len Barnes, Mr. Owen Pritchard, Cinderella, and Uncle Tom—who, as song leaders, have contributed no small part in the popularity of these weekly gatherings.



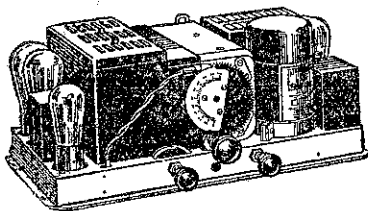
MRS. H. STANSFIELD,
a 1YA contralto.
—S. P. Andrew, photo.

17. Another series of talks to be heard from the station soon is to be given by the Auckland Zoological Society, the dates being October 10, 17 and 24. Mr. L. J. Cronin, who gave a very bright and interesting little talk on "Side-lights on Parliament" from 1YA recently, has arranged a debate for broadcasting on October 1, the motion being "That Capital Punishment Should Be Abolished."

AMONG new artists who are to be heard from 1YA in the near future are Mr. David Whisker, flautist, late of the Sydney Conservatorium of Music, who will play on September 23; Mr. Pearson, English comedian, who will sing dialect songs on September 27; Mr. Hugh Woods, bass-baritone, who will be heard on the same date; and the Neiafu Duo, two Tongans who will play Hawaiian music on October 2.

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MISS EDITH HARRY, the Australian composer-vocalist, who appeared at the various "YA" stations in New Zealand last summer, broadcast lately from 3LO, Melbourne. She gave a short recital of her own compositions and of modern classics.

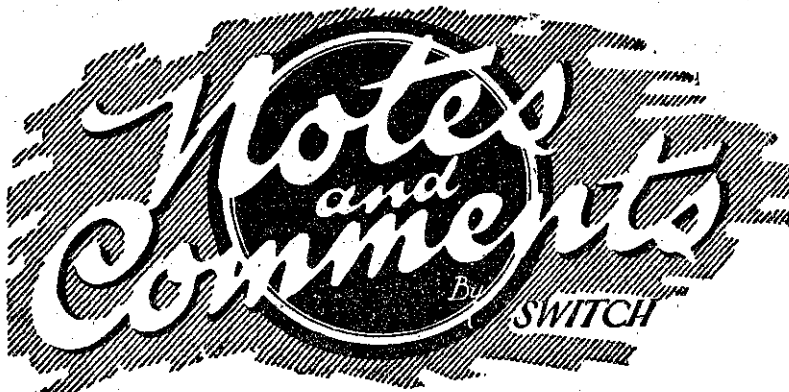
A LISTENER, comparing programmes in Europe with those in this part of the world, writes: "Imagine an organ solo extending over a period of 120 minutes, the piece being 'Rock of Ages.' This is typical of a German programme. American jazz is invariably rendered in march time by German orchestras. What would happen here if there were unexplained silences extending from 5 to 60 minutes or more? These silences are common affairs with European stations. And then, what about speeches to the people? There would no doubt be an all-round 'moan' if one of our politicians were to speak for over an hour from one of our broadcast stations, yet this happens in France, while in Russia propaganda comprises most of each station's programme."

E. W.A. (Tadmor), in last week's "Record" mentions having received 2FC, Sydney, on a two-stage amplifier and a crystal, per medium of a nearby seven-valve set, which was oscillating. "Switch" had reported that a Wellington listener had received 2FC on a two-stage amplifier and a crystal. "Switch" is not in a position to state that reception was or was not due to the oscillation of a valve set. This subject evoked almost endless correspondence a few years ago in New Zealand, as well as in America and England, and there appears to have been little doubt that reception with a crystal unassisted by a nearby oscillating valve had been accomplished over almost unbelievable distances.

"**SWITCH**" has overheard several chats between 2ZM, Gisborne, and 4ZP, Invercargill, of late, after broadcast hours. Both stations were testing, and it was interesting to compare notes. 4ZP complained that 3DB, Melbourne, was interfering with reception of 2ZM, Gisborne. "Switch" can avoid 3DB and receive 2ZM without a shadow of interference, but the slightest move of the dial tunes 4ZP out and brings in 3DB. The stations round about that wave-length are certainly rather crowded.

"**TWIN**" (Petone) sends particulars of the reading of his dials when tuning in a distant station after 10 p.m. The station, he says, "has a buzzing like an aeroplane." This is without doubt the Newcastle station, known in Wellington by its excessive hum and distortion. The writer derives entertainment from nearly 40 stations each week, but has not discovered one with such persistent distortion as that of the Newcastle station. This will probably be rectified before long.

OWING to a prevalence of local electrical noises, "Switch" has found it difficult to identify those American stations which are audible just after darkness closes in. One



American station which the writer finds quite loud enough for loudspeaker entertainment more often than any other from the States is KFWB, Hollywood, California. This station operates on a wavelength of 315 metres (950 kilocycles) and uses a power of only 1000 watts, according to the latest list. It is owned by Warner Bros. Broadcasting Corporation, and is heard best on Sunday evenings between 6.30 and 7 o'clock. "Switch" finds it on a slightly longer wavelength than that of 2GB,

wave 'phone station should communicate with the Chief Radio Inspector, Wellington, and he will direct one of his officers to give advice on how to cut out the unwanted station. On one evening, by some peculiarity, "Switch" found the tests from this station coming in on top of 2FC, Sydney.

SUGGESTIONS are again being made in Australia that occasionally the Parliamentary debates in the Commonwealth House at Canberra should be broadcast. "Switch" recalls some years ago the broadcast of a debate from the New South Wales Lower House. In Wellington reception was almost perfect, but various members, knowing that their speeches and ejaculations were being put on the air, were obviously "playing to the gallery." A veritable "war" in the House developed as certain members became heated, and the Government wisely decided to ban further broadcasts of Parliamentary debates. As one writer put it, "The broadcast disclosed how the public money was being wasted in the House."

MR. H. P. BROWN, Director of Commonwealth Postal Services, and chairman of the Federal Wireless Committee, in an article published in the Melbourne Press says: "Much work has been done in eliminating from broad-

casting reception those parasitic noises which have their source in electrical machinery, apparatus and power transmission lines. In the near future a nation-wide campaign will be launched still further to minimise these disturbing influences. Already there has been in evidence a willingness to co-operate with the department in applying the remedy in particular cases, but it will be necessary for all those authorities and public bodies who have any control over the undertakings which are responsible for creating the disturbances to give their wholehearted co-operation to the solution of the problem." Possibly something of the sort will be organised in New Zealand. The annual conference of power boards' engineers would be a fitting occasion for the matter to be brought forward.

THE Japanese stations have been very much in evidence during the past week. There is, however, an excess of talk from these stations. Through an interpreter, "Switch" has heard lectures on ancient Japanese poets, on great Japanese statesmen, and on military and naval leaders. Radio plays are also rather too numerous. Still "Switch" has heard some pleasing musical numbers from JOHK, Sendai, lately, including "On Wings of Song" and other Western vocalisation, sung by a Japanese girl with a light soprano voice. The words were in Japanese. One wonders what the Japanese performers would say if they knew they were audible throughout a home 5500 miles away.

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Reception Table for Australian Stations

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:—

| | |
|----------------------|----|
| 2FC, Sydney | 10 |
| 2LB, Sydney | 9 |
| 4QG, Brisbane | 8 |
| 3LO, Melbourne | 7 |
| 3AR, Melbourne | 6 |
| 2GB, Sydney | 4½ |
| 2UE, Sydney | 4 |
| 3UZ, Melbourne | 3½ |
| 7ZL, Hobart | 4 |
| 3DB, Melbourne | 4½ |
| 5CL, Adelaide | 2 |
| 6WF, Perth | 2 |
| 2KY, Sydney | 1½ |

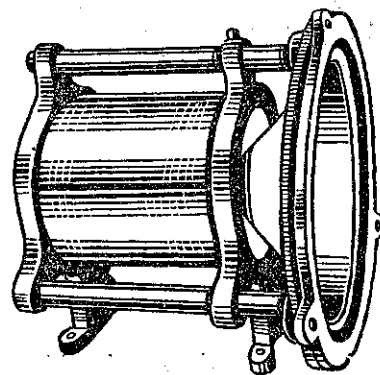
The above figures are the points assessed, with 10 as the maximum.

Sudney (316 metres), although the position should be reversed if both stations are on their published wavelengths.

MR. FRANK D. CLEWLOW, the talented English dramatic actor who toured New Zealand a few years ago with the Allan Wilkie Shakespearean Company, is heard occasionally from 3LO, Melbourne. Recently he gave some extracts from the works of the London poet, Henry Munro, including a war poem, selected from "Strange Meetings." Mr. Clewlow will be particularly remembered by New Zealand theatre-goers by his fine interpretations of the role of Henry VIII.

SOME Wellington listeners who operate crystal sets have been experiencing interference from radio-telephony transmitted on test from the new Wellington short-wave 'phone transmitter to Sydney. Listeners who have difficulty in tuning out the short-

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Items of Interest in This Week's Broadcast

BIBLE CLASS RALLY
2YA, Sunday

EIGHT O'CLOCK REVUE
2YA, Tuesday

PENWOMEN'S CONCERT
1YA, Wednesday

**ORCHESTRAL SOCIETY
CONCERT**

4YA, Thursday

**MUNICIPAL BAND
CONCERT**

1YA, Saturday

APOLLO SINGERS
2YA, Saturday

SUNDAY

Auckland Notes.

THE evening service will be relayed from St. Andrew's Church, the preacher being the Rev. Ivo Bertram, and the organist Dr. Neil McDougall. Afterwards there will be a relay of the concert to be given in the Town Hall by the Municipal Band.

Bible Class Rally
2YA Features.

THE station will be on the air at 2.45 for the purpose of relaying from the Wellington Town Hall the Inter-denominational Rally of Youth held under the auspices of the Combined Bib's Classes of Wellington. Proceedings will be opened with a brief organ recital by Mr. H. Temple White.

His Worship the Mayor (Mr. G. A. Truop) will preside, and an out-

Feature Peeps at Future Programmes

standing feature of the rally will be an address by His Excellency the Governor-General, Lord Bledisloe, G.C.M.G., P.C., K.B.F.

Choral items will be given by the Karori Methodist Bible Class Choir, the champion choir at the recent Methodist Musical Competitions. At 7 o'clock there will be a relay of the evening service of the Vivian Street Church of Christ. The preacher will be the Rev. W. G. Carpenter and the organist Miss Hazel Hunter. From the Grand Opera House there will follow a relay of the concert to be given by the Port Nicholson Silver Band.

From Christchurch.

THE evening service in Oxford Terrace Baptist Church, Christchurch, will be broadcast. The preacher will be Mr. B. M. Wilson, the organist Mr. Melville Lawry, and the choir-master Mr. K. G. Archer. A studio concert will follow. This will be contributed by Mrs. J. A. Edwards (soprano), Miss Merle Miller (mezzo-soprano), Mr. J. Francis Jones (baritone), Mr. Harold Beck (cello), and the Christchurch Broadcasting Trio.

4YA Broadcast.

THE service in Hanover Street Baptist Church, the preacher being the Rev. E. S. Tuckwell and the choir-master Mr. H. P. Desmoullins. The relay of the 3YA after-church concert will follow.

MONDAY

From 2YA.

AT 7.40 Mr. H. C. South will give his fortnightly book review at 7.40.

The Ariel Singers will provide the vocal portion of the concert programme at 2YA. Their items will include solos, a duet and two quartet numbers. Miss Zena Jupp, a popular young Wellington entertainer, will recite two numbers, "Peg Away" and "The History Examination," the latter being a number

which is full of good wholesome humour. The Orchestra, under Signor A. P. Truda, will play Beethoven's "Coriolanus" overture, a movement from Haydn's "Symphony in D Major," two numbers from Drigo's "Les Millions D'Arlequin" ("Barque d'Armour" and "Reconciliation"), Elgar's "Carissima" and Rubenstein's "Valse Caprice."

Miss Oreti Stallard will play the first movement of Beethoven's "Apassionata Sonata," and Mr. Henry Mount, the talented organist of St. Gerard's Redemptorist Church, will give a brief organ recital, his items being a "Choral March" (by Rossi), a "Lament" by C. Eridge-Taylor, and Hartwell's "Offertoire in F."

The recordings which are being incorporated in the programme will include a violin solo by Tossy Spivakovsky (a brother of the young pianist who toured the Dominion some three or four years ago), and an artist of high standing on the Continent, a flute solo by Emil Prill, one of the world's leading virtuosos, and a choral version of Strauss's waltz "Roses of the South," by the Sieber Choir.

Notes from 3YA.

A TALK has been arranged for 7.30 on "A Hundred Years of Railway

"The Tight Little Island," "Jack Spratt," "Nightfall at Sea," "Arise O Sun," and "When Evening's Twilight." The vocal solos will include a number of old favourites, "The Deathless Army," "Invictus," "My Ain Folk," "Spring's Awakening," "Roses," "Heart of the Hills," and "The Garden Fashioned for You."

4YA Items.

THE W.E.A. talk at 7.40 will be by Mr. A. Salmond, B.A., of Otago Boys' High School, on "An Introduction to the Race Problem in the Pacific."

A very attractive programme will be presented by the 4YA Orchestra. This instrumental programme has been specially arranged, and will be the feature of the evening's entertainment. The numbers to be played will include Mendelssohn's "Overture in C," Ansell's "Overture to an Irish Comedy," and Rossini's "Semiramide" overture. There will also be Chopin's "Polonaise in A," selections from "Rigoletto," "The Rebel Maid," and "Pirates of Penzance," Squire's "Slumber Song," Drigo's "Reconciliation," and three dances from German's "Tom Jones."

Mr. F. V. Drake will play a cello solo and Mr. A. H. Pettitt a piano solo. The vocal portion of the evening's programme will be provided by Miss Molly Andrews and Mr. William Ruffell.

TUESDAY

Gleaned from 1YA.

AT 8.15 p.m. Mrs. Les Crane will continue her talks on "The Beauty of Mind and Body in Relation to Diet," and at 7.40 p.m. Mr. J. F. Montague will give a further talk on "Maori Pronunciation and Place Names."

An excellent concert programme has been arranged. It will consist in the main of popular operatic numbers. Selections by the 1YA String Orchestra, under the direction of Mr. J. Whitford Waugh, will comprise excerpts from "H.M.S. Pinafore," "Iolanthe," and "Master Melodies from Famous Light Operas." Mrs. Laetitia Parry, one of the finest singers heard from 1YA, will sing "She Had a Letter from Her Love" (from "Merrie England"), "Liet Signor" (from "Gli Ugonotti") and "Nymphs and Shepherds Come Away" (from "The Libertine").

Mr. A. Gibbons Taylor, bass-baritone, who is a most artistic singer, has chosen "O Patria" (from "I Vespri Siciliani"), "Si, tra i ceppi" (from "Berenice") and "O Isis Guide Them" (from "The Magic Flute") for his items. A Topical Talk will be given by Mr. A. B. Chappell, M.A., and a vocal and elocutionary interlude will be given by those delightful entertainers, Mr. and Mrs. J. W. Bailey. Their sketch will be entitled "Waiting for the Guests." During the evening a relay will be carried out from a concert to be given by the Orphans' Club Orchestra, under Mr. Harold Baxter.



MR. LEO WHITTAKER.

one of Auckland's leading teachers of singing and pianoforte, recently heard from 1YA in a half-hour recital.

—Andrew, photo.

Development," the speaker being Mr. H. R. Farr.

The band concert will be provided by the Woolston Band (under Mr. R. J. Estall), the assisting vocal artists being the Valencia Quartet (Miss Lucy Fullwood, Miss Mary Taylor, Mr. T. G. Rogers, and Mr. E. J. Johnson. The concerted numbers will be of special interest—"There was a Jolly Miller,"

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MRS. F. EVANS,
lyric soprano and a member of the Salon
Trio and the 1YA Broadcasting Choir.
—Andrew, photo.

Selections from 2YA's Programme.

A representative of the Department of Agriculture will talk to farmers at 7.40.

From 8 to 9.30 p.m. will be devoted to the "Eight O'clock Revue." The Revue, which is in charge of that well known and popular entertainer, Mr. Will Bishop, will be assisted by the Salon Orchestra, under the direction of Mr. M. T. Dixon.

Following their usual practice, the company will present songs, old-time and popular, humorous sketches, and light vocal items and concerted numbers, including, of course, an opening and a closing chorus.

From 9.30 to 11 p.m. listeners will be entertained with a dance programme of specially chosen gramophone recordings.

Of Note from 4YA.

ONE of the series of talks, "Tourist Resorts of New Zealand," will be broadcast by Mr. R. W. Marshall at 7.40 p.m.

The evening's programme will be given by the St. Kilda Band, under the conductorship of Mr. James Dixon. The assisting vocalists will be: Miss Muriel Edgar, Miss Mary Teviotdale and Mr. N. Gamble (baritone). Mr. A. Gorrie will recite extracts from the writings of Robert Service. Mr. G. Christie will play, as a cornet solo with band accompaniment, "When You Come Home." The whole programme will be popular and attractive.

WEDNESDAY

1YA Activities.

Penwomen's Concert

COMMUNITY singing will be relayed from the Auckland Town Hall from 12.30 p.m. to 1.30 p.m. At 7.40 Miss Briar Gardner will give the first of a series of fortnightly talks on "Pottery."

The studio programme will be given by the members of the New Zealand League of Penwomen.

This society does much to foster and encourage both writers and com-

posers among the women of Auckland and elsewhere. They give delightful concerts to their members and friends and they demonstrate that the talent in Auckland among the ladies is of very high calibre. The majority of the items to be performed have been written by members of the league. There will be songs, sketches, piano and cello solos, and two violin quartets.

3YA's Programme.

ON the vocal side there will be excerpts from two very popular musical comedies, "Oh! Oh! Delphine" and "Going Up," the singers being the Salon Quartette (Miss Corrie Aslin, Miss Dulcie Mitchell, Mr. H. Blakeley and Mr. Graham Young). Both the plays are full of catchy melodies. The instrumental portion of the programme will be provided by the Studio Octet, under Mr. Harold Beck. The numbers to be played will include Macdowell's delightful "Woodland Sketches" and the ballet music from Massenet's "Le Cid."

From 4YA.

THE afternoon talk by the Home Science Extension Department of Otago University will be about "Helpful Hints for Christmas Gifts."

The Novelty Syncopaters, playing popular melodies, will provide the instrumental portion of the bright and varied programme. The vocalists will be Miss Olga E. Wynne (soprano), Mrs. Doris M. Aitchison (contralto), Mr. B. Brown (Scottish song and patter), Miss Tui Northey (elocutionist) and Mr. S. Kershaw (baritone). A novelty number, piano and syncopated harmony, will be provided by Messrs Wilson and Ferrant.

Appearing on the programme is the Cambrian Duo, who will give selections of novelty items, piano and vocal. The last appearance of this combination was very heartily received by listeners.

Other vocalists appearing on the programme will be Miss Nellie Lingard (contralto), who will sing "Soul of Mine," "Your Song," and "Come Soothing Death," and also Miss Thelma Duffin (mezzo-soprano), whose items include "I Wonder if Love is a Dream," "Jeunesse," and "Wishing." Humour will be supplied by M. T. T. Garland.

The Studio Trio should delight the great unseen audience.

2YA Notes.

This being "Band Night" the Miramar Silver Band, under the conductorship of Mr. A. Sutherland, will contribute another of their entertaining programmes. The items will include the selection, "Hampton Court"; waltz, "For Ever True"; the fantasia, "A Summer Day"; a dance humoresque, "The Merry Men"; Newbold's selection, "The Dear Little Shamrock"; and the marches, "Man o' Brass," "La Vivandiere," and "The Star of the Desert." The band will be assisted by Miss Moana Goodwill (soprano), Mrs. Lurline Dargaville (contralto), and Messrs. H. W. Dowling and Noho Toki (baritone and tenor respectively). Miss Moana Goodwill was at one time a member of the Apollo Quartet, and Mrs. Dargaville is a newcomer to radio. She is the possessor of an excellent radio voice, and has also had professional experience on the concert platform.

A pianoforte arrangement of the celebrated "Naila Waltz," by Doh-

Forests. This talk has been arranged for by the 3YA Primary Productions Committee.

Vocal trios will be a feature of 3YA's programme. These three young ladies—Misses Sylvia Angus, Delcia Philpott and Kathleen Bond—were very successful at the recent competitions, and the same trios then sung will be heard on the air this evening. In presenting "A Summer Night," sung to cello obbligato by Miss Marjorie Chapman, Miss Bond will also be repeating the number with which she won at the competitions. Other soloists for the evening will be Mr. J. A. Blythe (tenor) and Mr. W. Rofe (bass). Miss Noel Cape-Williamson will be contributing piano solos and humorous elocutionary numbers will be provided by Mr. Denys Cow. There will be an instrumental programme by the Studio Octet.

4YA on the Air.

THERE will not be the usual silent day, but 4YA will relay a concert, which is to be given in the Town Hall by the Dunedin Orchestral Society under the conductorship of Mr. J. Coombes. A very attractive programme will be presented. The assisting vocalists will be Miss Bertha Rawlinson (contralto) and Mr. Cecil Hawes (baritone).

FRIDAY

Auckland Notes.

MR. B. S. JONES, wireless engineer, will continue his talks on "How to get the best out of your receiver."

The String Orchestra, under the direction of Mr. J. Whitford Waugh, will play some very interesting numbers on 1YA's classical night. Many congratulatory remarks have already been received on the performances of this combination.

The vocalists for the evening will be Mr. Ian H. Burry (a young tenor who has been heard previously from 1YA) and Miss Molly Atkinson, one of Auckland's outstanding vocalists. During the evening Mrs. Daisy Basham, assisted by Mr. H. Barry Coney, will give two lecture-recitals on the "Life and Works of Cherubini."

Features from 2YA.

A PROGRAMME of operatic and musical comedy numbers will be given this evening. The vocalists will be Miss Jessie Shmith (late of Melbourne), Miss Janet Stirling, Mr. Chas. Edwards, and Mr. Wilbur Davies, and their items will comprise solos from "Don Juan," "Mignon," "The Rebel Maid," "The Prodigal Son," and "The Desert Song."

Mr. Lawrence Searle, a young elocutionist who has had considerable experience of competitions and concert work, will make his radio debut on this programme, his numbers being "The Vow," by Sir Gilbert Parker, and a humorous number "Toasts and Toasters." Miss Edith Rait will contribute a piano solo. The orchestra's items will include the "Crown Diamonds" overture, selections from "Carmen" and "Wildflower," Finck's descriptive selection, "A Day in Paris," and Granier's "Valse Ballet." During the course of this programme a relay of a sound film feature showing at the Majestic Theatre will be carried out.

Items from Christchurch.

MR. D. COSGROVE will give his fortnightly talk on "Radio Service" at (Concluded on page 21.)



MRS. R. RATTRAY.
Two artists well-known to 1YA listeners. Mrs. Rattray is a Scottish soprano, Mr. Brough a baritone.
—Andrew, photo.

THURSDAY

Cooking.

FROM 1YA, 2YA and 3YA, the afternoon home science talk, prepared by the Home Science Extension Department of Otago University, will be on "cold puddings and desserts."

At 1YA.

A VERY interesting entertainment has been arranged for the popular night.

nanyi, will be played by Mr. Ernest Sharp. The lighter side of the programme will consist of humorous items by Mrs. E. O. Chapman, a well-known performer from 4YA until she married and came to reside in Wellington; as Miss Rona Scott she was often heard from the Dunedin station.

Gleanings From 3YA.

"THE manufacture of wood pulp" will be discussed in a talk at 7.30 by Mr. W. G. Morrison, Conservator of

Full Programmes for Next

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Sunday, September 14

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, SEPTEMBER 14.

- 3.0 : Afternoon session—Selected studio items, including literary selection by the Announcer.
 4.30 : Close down.
 6.0 : Children's song service, conducted by "Uncle Bert."
 6.55 (approx.): Relay of Divine Service from St. Andrew's Church (Preacher, Rev. Ivo Bertram; Organist, Dr. Neil McDougall).
 8.30 (approx.): Relay of Municipal Band concert from Auckland Town Hall.
 9.30 (approx.): God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, SEPTEMBER 14.

- 2.45 : Relay from the Town Hall of the Interdenominational Rally of Youth by the Combined Classes of Wellington. (Chairman, His Worship the Mayor, Mr. G. A. Troup.) During the proceedings there will be an address by His Excellency the Governor-General, Lord Bledisloe, G.C.M.G., P.C., K.B.E.
 Mr. H. Temple White will give a brief organ recital from 2.45 p.m. to 3 p.m.
 7.0 : Relay of Evening Service from the Church of Christ, Vivian Street. Preacher, Pastor W. G. Carpenter. Organist, Miss Hazel Hunter.
 8.15 : (approx.) Relay from the Grand Opera House of the Band Recital of the Port Nicholson Silver Band (Conductor, Mr. J. J. Drew).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, SEPTEMBER 14.

- 3.0 : Afternoon session gramophone recital.
 4.30 : Close down.
 5.30 : Children's Song Service by children of Baptist Sunday Schools.
 6.15 : Intermission of musical recordings from the studio.
 6.30 : Relay of evening service from Oxford Terrace Baptist Church. Preacher: Mr. B. M. Wilson. Organist: Mr. Melville Lawry. Choir master: Mr. K. G. Archer.
 7.45 (approx.): Musical recordings from studio.
 8.15 (approx.): Studio Programme.
 Orchestra—Berlin State Opera Orchestra, "Capriccio Italien."
 8.28 : Soprano—Mrs. J. A. Edwards, "Yielding to Sweet Love's Ecstasy."
 8.28 : Cello—Mr. Harold Beck, "Tre Giorni" (Pergolesi).
 8.32 : Chorus—Eveready Hour Group, "Goin' Home" (arrgd. Fisher).
 8.35 : Instrumental—Christchurch Broadcasting Trio, "Andante"; "Scherzo" (From Trio in C Minor) (Mendelssohn).
 8.46 : Mezzo-soprano—Miss Merle Miller, (a) "To the Sea" (Schubert); (b) "Dedication" (Franz).
 8.51 : Orchestra—San Francisco Symphony Orchestra, "Funeral March of a Marionette" (Gounod) (H.M.V. ED5).
 8.53 : Baritone—Mr. J. Francis Jones, (a) "Beloved It Is Morn" (Aylward); (b) "From the Land of Sky Blue Water" (Cadman).
 9.0 : Weather report and station notices.
 9.2 : Instrumental—Christchurch Broadcasting Trio, (a) "Cantabile" (Widor); (b) "Slavonic Dance" (Dvorak).
 9.9 : Soprano—Mrs. J. A. Edwards, (a) "Tears of Joy" (Schumann); (b) "Morning Miss Spring" (Skinner).
 9.13 : Baritone—Mr. J. Francis Jones, "Thou Art Passing Hence, My Brother" (Sullivan).
 9.17 : Cello—Mr. Harold Beck, "L'Agreeable" (Marias).
 9.20 : Mezzo-soprano—Miss Merle Miller, "The Erl King" (Schubert).
 9.24 : Orchestra—Philadelphia Symphony Orchestra, "Toccata and Fugue in D Minor" (Bach) (H.M.V. D1428).
 9.32 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, SEPTEMBER 14.

- 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 church service from Hanover Street Baptist Church. Preacher: Rev. E. S. Tuckwell, B.A. Choirmaster: Mr. H. P. Desmoulins.
 7.45 : Barbirolli's Chamber Orchestra, "Symphony No. 2 in D Major."
 Utica Jubilee Singers, "Climbin' Up the Mountain" (Zono. 5159).
 8.5 : Relay of concert programme from 3YA.
 9.30 : God save the King.

Monday, September 15

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, SEPTEMBER 15.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, SEPTEMBER 15.

- 3.0 : Chimes. Selected gramophone items.
 3.30 and 4.30 : Sporting results to hand.
 3.40 : Lecturette—Mr. Frank Hilton, "Domestic Cooking."
 4.55 : Close down.
 5.0 : Children's Session, conducted by Uncle Jeff.
 6.0 : Dinner music session, "Columbia" Hour.
 Orchestra—Mengelberg's Concertgebouw Orchestra, "Oberon Overture Parts 1, 2 and 3" (Weber) (04347).
 Octet—Squire's Chamber Orchestra, "L'Arlesienne Suite" (Rizet).
 6.13 : Tacet.
 6.15 : Orchestra—Menorah Symphony Orchestra, "Shulamith Selection." Band—B.B.C. Wireless Military Band, "Indian Queen."
 Octet—Squire's Chamber Orchestra, "L'Arlesienne Suite Minuet."
 6.29 : Tacet.
 6.30 : Orchestra—New Queen's Hall Orchestra, "Slavonic Dance in G Minor" (Dvorak) (04348).
 Band—B.B.C. Wireless Band, "Helston Furry Professional."
 Orchestra—Classic Symphony Orchestra, "Classical Memories."
 6.44 : Tacet.
 6.45 : Octet—Squire's Celeste Octet, "Ave Maria" (Bach) (02569).
 Poltronieri String Quartet, "Quartet in E Andante and Canzonetta."
 Orchestra—Squire's Celeste Octet, "On Wings of Song."
 6.58 : Tacet.
 7.0 : News session, market reports and sports results.
 7.40 : Lecturette—Mr. H. C. South, "Books—Grave and Gay."
 8.0 : Chimes.
 Overture—2YA Orchestra (Conductor—Signor A. P. Truda) "Coriolanus" (Beethoven).
 8.9 : Quartet—Ariel Singers, "The Lass With The Delicate Air" (Arne).
 8.13 : Piano—Miss Oreti Stallard, "1st Movement of Appassionata Sonata."
 8.20 : Soprano—Miss Jeanette Briggs, L.A.B. "Be Still Blackbird."
 8.24 : Selection—2YA Orchestra, "A Movement from the Symphony in D Major" (Haydn).
 8.32 : Elocution—Miss Zena Jupp, "Peg Away" (Hamblen).
 8.37 : Bass—Mr. J. M. Caldwell, "Shepherd, See Thy Horses Foaming Mane."
 8.41 : Violin—Tossy Spivakovsky, "Caprice XX" (Paganini) (Parlo. A4175).
 8.44 : Contralto—Miss Ngaire Coster, "Unmindful of the Roses."
 8.48 : Tenor—Mr. H. Brusey, (a) "Sea Reivers Song" (Kennedy-Fraser); (b) "Island Shelling Song" (Kennedy-Fraser).
 8.56 : Selection—2YA Orchestra, (a) "Barque D'Amour"; (b) "Reconciliation" from "Les Millions D'Arlequin" (Drigo).
 9.4 : Weather report and announcements.
 At approximately 9 p.m., following station announcements and weather report, the programme will be interrupted in order to permit the Hon. P. A. de la P'errille, Minister of Industries and Commerce, Tourist and Publicity, to give an address on "New Zealand Foods and New Zealand Scenery."
 9.6 : Relay of Organ Recital by Mr. Henry Mount, (a) "Choral March" (Rossi); (b) "Lament" (Coleridge-Taylor); (c) "Offertoire in F." Baritone with organ—Mr. Charles Mack, "O Holy Night" (Adams).
 9.22 : Selection—2YA Orchestra, "Carissima" (Elgar).
 9.30 : Choral—Sieber Choir, "Roses of the South" (Straus) (Parlo. A4209).
 9.38 : Humour—Miss Zena Jupp, "The History Examination" (Anon).
 9.43 : Flute solo with orchestra—Emil Prill, "The Russian Carnival."
 9.51 : Duet—Misses Jeanette Briggs and Ngaire Coster, "Farewell to Summer" (Johnstone).
 9.55 : Bass—Mr. J. M. Caldwell, "When Dull Care" (Lane Wilson).
 9.58 : Quartet—Ariel Singers, "The Sea Hath Its Pearls" (Pinsuti).
 10.3 : Valse—2YA Orchestra, "Valse Caprice" (Rubenstein).
 10.7 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, SEPTEMBER 15.

- 3.0 : Afternoon session—Gramophone recital.
 4.25 : Sports results.
 4.30 : Close down.
 5.0 : Children's hour, "Sunny Jim" and "Cousin Margot."
 6.0 : Dinner session, "H.M.V." Hour.
 Overture—H.M. Coldstream Guards Band, "Poet and Peasant" (Suppe).
 Orchestra—Symphony Orchestra, "Love, the Magician" (De Falla).
 6.12 : Tacet.
 6.15 : March—National Military Band, "Liberty Bell" (Souza) (Zono. 5366).
 Waltz—International Novelty Quartet, "Cuckoo" (Jonasson) (Zono).
 Waltz—Jack Hylton's Orchestra, "Spanish Rose" (Pearson) (B5481).

Week-all Stations-to Sep. 21

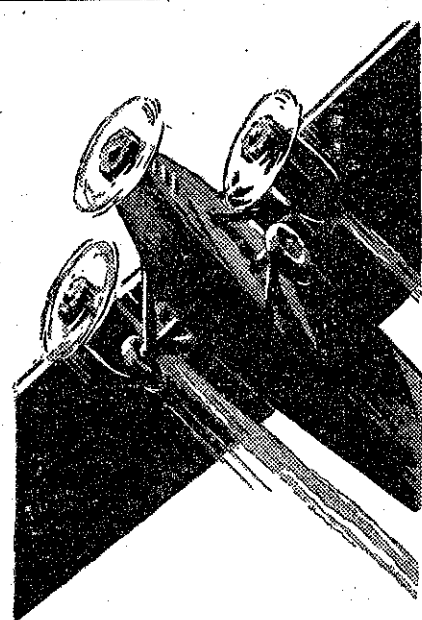
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- Xylophone—Sam Herman, "Al Fresco" (Zonophone EE53).
 6.27: Tacet.
 6.30: Orchestral—New Light Symphony Orchestra, "In a Clock Store" (Orth).
 March—Royal Opera Orchestra, "Marche Hongroise" (Berlioz).
 Orchestral—Symphony Orchestra, "Spanish Dance" (De Falla).
 6.42: Tacet.
 6.45: Schottische—International Novelty Quartet, "Lena" (Mewes) (Zono.):
 Pipe organ, piano, trombone, and harp—Shilkret's Rhythm Melodists,
 "When You're with Somebody Else" (Gilbert) (EA336).
 Waltz—Jack Hylton's Orchestra, "The Angelus was Ringing" (B5481).
 March—National Military Band, "El Capitan" (Sousa) (Zono. 5366).
 6.57: Tacet.
 7.0: News session.
 7.30: Talk—Mr. H. R. Farr, "One Hundred Years of Railway Development:
 1880 to 1980."
 8.0: Band programme by the Woolston Band (Conductor R. J. Estall) and
 assisted by 3YA artists.
 March medley—Band, "Famous Fragments from W. Rimmer's
 Marches" (arr. Hawkins).
 Overture—Band, "Pique Dame" (Suppe).
 8.12: Quartet—Valencia Quartet, (a) "There was a Jolly Miller" (Fanning),
 (b) "The Tight Little Island" (Fanning).
 8.16: Bass—Mr. E. J. Johnson, "Invictus" (Huhn).
 8.19: Guitar—Kolomoku's Honoluluans, "Aloha Oe" (Liliuokalani) (Zono.).
 8.23: Mezzo-soprano—Miss Lucy Fullwood, "Heart of the Hills" (Hewitt).
 8.26: Dance intermezzo—Band, "Wedgewood Blue" (Ketelbey).
 8.31: Tenor—Mr. T. G. Rogers, "The Garden I Fashioned for You" (Oliver).

- 8.34: Organ—Charles Saxby, "Raymond Overture" (Thomas) (Zono. 5057).
 8.40: Contralto—Miss Mary Taylor, "My Ain Folk" (Lemon).
 8.44: Violin—Kreislser, (a) "Deep in My Heart, Dear" (Romberg), (b) "In
 dian Love Call" (Romberg) (H.M.V. DA785).
 8.50: Suite—Band, "Mignonne" (Beethoven).
 9.0: Weather report and station notices.
 9.2: Orchestral—National Symphony Orchestra, "Fra Diavolo" (Auber).
 9.8: Quartet—Valencia Quartet, "Jack Spratt" (Blackburn).
 Contralto—Miss Mary Taylor, (a) "Nightfall at Sea" (Phillips), (b)
 "Arise, O Sun" (Day).
 9.17: Cornet—Bandsman R. Ohlson, "As You Pass By" (Russell).
 9.22: Tenor—Mr. T. G. Rogers, "Roses" (Adams).
 9.25: Cello—Beatrice Harrison, "Harlequinade" (Popper) (H.M.V. C1626).
 9.29: Mezzo-soprano—Miss Lucy Fullwood, "Spring's Awakening."
 9.33: Fantasy—Band, "In a Chinese Temple Garden" (Ketelbey).
 9.40: Bass—Mr. E. J. Johnston, "The Deathless Army" (Trotter).
 9.43: Organ—Arnold Grieg, "Medley of National Airs" (H.M.V. 5087).
 9.49: Quartet—Valencia Quartet, "When Evening's Twilight" (Hatton).
 9.52: Duo d'Amour—Band, (a) "Gallantry" (Ketelbey).
 March—Band, (b) "Merry and Bright" (Ripley).
 10.1: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, SEPTEMBER 15.

- 3.0: Chimes. Selected gramophone items.
 4.25: Sporting results.
 4.30: Close down.
 5.0: Chimes. Children's hour, conducted by "Big Brother Bill."
 6.0: Dinner music, "Columbia" Hour:
 Orchestral—Milan Symphony Orchestra, "Mignon Overture," Parts 1
 and 2 (Thomas) (05058).
 Band—H. G. Amers and the Eastbourne Municipal Band, "The Little
 Clock on the Mantel" (Wheeler) (01768).
 Orchestral—Jean Lensen and His Orchestra, "Millions d'Arlequin."
 6.14: Tacet.
 6.15: Orchestral—Symphony Orchestra, "Hungarian March" (Berlioz).
 Violin solo—Toscha Seidel, "Hebrew Melody" (Achorn, arr. Zimbalist).
 Orchestral—Jean Lensen and His Orchestra, "Si Mes Vers Avaient
 des Ailes" (Hahn) (01770).
 Orchestral—Bernardo Gallico and His Orchestra, "The Dance of the
 Dwarfs" (Noack) (05037).
 6.29: Tacet.
 6.30: Orchestral—H. G. Amers and the Eastbourne Municipal Orchestra,
 "Silhouettes" (Arensky), (a) "Introduction, (b) "La Coquette."
 Orchestral—Bernardo Gallico and His Orchestra, "The Clock is Play-
 ing" (Blaauw) (05037).
 Band—H. G. Amers and the Eastbourne Municipal Band, "Dancing
 Doll" (Poupee Valsante) (Poldini) (01768).
 Orchestral—H. G. Amers and the Eastbourne Municipal Orchestra,
 "Silhouettes—The Dreamer" (Arensky) (05032).
 6.44: Tacet.
 6.45: Orchestral—Zurich Tonhalle Orchestra, "Il Seraglio Overture," Parts
 1 and 2 (Mozart, arr. Busoni) (05025).
 Violin solo—Toscha Seidel, "Ave Maria" (Schubert) (05045).
 Orchestral—Symphony Orchestra, "Coppelia Ballet—Entr'acte and
 Valse" (Delibes) (05055).
 6.59: Tacet.
 7.0: News session.
 7.40: Talk—Mr. A. Salmond, B.A., "An Introduction to the Race Problem in
 the Pacific," under auspices of W.E.A.
 8.0: Chimes. Special instrumental programme:
 Overture—The Orchestra, "Overture in C" (Mendelssohn); "Overture
 to an Irish Comedy" (Ansell); "Polonaise in A" (Chopin).
 8.20: Mezzo-soprano—Miss M. Andrew, (a) "Prelude from a Cycle of Life"
 (L. Ronald), (b) "Cuckoo Clock" (Schaefer).
 8.27: Cello—Mr. F. V. Drake, "Robin Adair" (traditional).
 8.33: Baritone—Mr. William Ruffell, (a) "Storm Clouds" (Fothergill);
 (b) "Trade Winds" (Keel).
 8.40: Selections—The Orchestra, (a) "Rigoletto" (Verdi), (b) "Rebel Maid"
 (Phillips), (c) "Reconciliation" (Drigo).
 9.0: Weather report.
 9.2: Band—Garde Republicaine, "Entr'acte, 'Carmen'" (Bizet) (Col. 02747).
 9.10: Piano—Mr. A. H. Pettitt, "Waltz in A Flat" (Chopin).
 9.14: Overture—The Orchestra, (a) "Semiramis" (Rossini).
 Serenade—The Orchestra, (a) "Slumber Song" (Squire), (c) "Pirates
 of Penance" (Sullivan) (selection).
 9.30: Mezzo-soprano—Miss M. Andrews, "Nymphs and Shepherds" (Purcell).
 9.34: Chorus—Orchestra Symphonique and Chorus, "When Soldiers Mount
 Guard" (Bizet) (Columbia 9528).
 9.38: Suite—The Orchestra, two numbers from "Danses Miniatures de Ballet"
 (Ansell): (1) Allegretto Grazioso, (2) Tempo di Valse.



...ON...ON...ON
 while the world
 eagerly waits

NEARLY every day great, epoch-
 making events of which the
 world stands eagerly, tensely
 awaiting the results, are taking place.
 To all corners of the earth the news
 is flashed. This morning it may be
 the successful crossing of thousands
 of miles of Atlantic waste by aero-
 plane or dirigible . . . to-morrow,
 news of international sporting fix-
 tures . . . next week the stirring
 announcement of some great medical
 discovery or invention. Press reports
 are as nothing compared with the joy
 of personally hearing a direct broad-
 cast of these things. One's senses
 thrill to the magnetism of the broad-
 cast . . . one feels the atmosphere
 . . . the tenseness with which the
 event is surrounded. All this the

Stewart-Warner Screen-Grid Radio, with its uncanny selectivity and supersensi-
 tivity, gives you. So accurate and faithful does it bring the broadcast to you
 that for the time being you are miles away, standing, as it were, amidst the
 glamour and pulsing incidents of the actual scene itself.

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AUCKLAND *Hope Gibbons Ltd* **CHRISTCHURCH** **WELLINGTON**

- 9.46: Baritone—Mr. William Ruffell, "Tommy Lad" (Margeson).
 9.50: Chorus—Orchestra Symphonique and Chorus, "'Tis the Mid-day Bell."
 9.54: Three dances—The Orchestra, "Dances from 'Tom Jones'" (German):
 (1) Morris Dance, (2) Gavotte, (3) Jig.
 10.3: God save the King.

Tuesday, September 16

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, SEPTEMBER 16.

- 3.0: Afternoon session—Selected studio items, including Literary selection by the Announcer.
 3.15: Talk—Mrs. Les Crane—"Beauty of Mind and Body in respect to Diet."
 3.30: Further selected studio items.
 4.30: Close down.
 5.0: Children's session, conducted by Uncle Dave.
 6.0: Dinner Session, "Columbia" Hour.
 Intermezzo—Milan Symphony Orchestra, "Cavalleria Rusticana."
 Selection—Herman Finck's Orchestra, "Schubertiana" (arrgd. Finck).
 Marimba Orchestra, Rio Marimba Orchestra, "Three O'Clock in the Morning" (Robledo) (02685).
 6.27: Tacet.
 6.30: Bayreuth Festival Orchestra, "Siegfried Prelude Act 3" (Wagner).
 Waltz—Eddie Thomas' Collegians, "Moments With You" (Shilkret).
 Waltz—Eddie Thomas' Collegians, "Moonlight on the Danube" (Gay).
 Wuriltzer organ—Stanley MacDonald, "La Rosita" (Dupont).
 6.43: Tacet.
 6.45: Selection—Regal Orchestra, "Pagliacci" (Leoncavallo).
 Rio Marimba Orchestra, "My Isle of Golden Dreams" (Blausfuss).
 6.57: Tacet.
 7.0: News and market reports.
 7.40: Talk—Mr. J. F. Montague, Maori Pronunciation and Place Names.
 NOTE: This programme will be interrupted to allow of relay of selections by the Orphans' Club Orchestra, under Mr. Harold Baxter.
 8 p.m.: Chimes.
 Overture—Berlin State Opera Orchestra, "Oberon" (H.M.V., D1316, Weber).
 8.9: Bass-baritone—Mr. A. Gibbons Taylor, "O Patria!" (from "I Vespri Siciliana" (Verdi)).
 8.13: Selection—1YA String Octet, under direction of Mr. J. Whitford Waugh, "H.M.S. Pinafore" (Sullivan).
 8.19: Soprano—Mrs. Laetitia Parry, "She Had a Letter from Her Love," "Merrie England" (German).
 8.24: Orchestral—1YA String Octet, "Master Melodies" from famous light operas (Finck).
 8.34: Baritone—Mr. Rex Harrison, (a) "Prologue" (Leoncavallo); (b) "Lorraine, Lorraine, Lorraine" (Spross).
 8.43: Talk—Mr. A. B. Chappell, M.A., topical talk.
 8.58: Evening weather forecast and announcements.
 9.0: Orchestral—1YA String Octet, "Pretiosen," precious gems (Lindemann).
 9.18: Bass-baritone—Mr. A. Gibbons Taylor, (a) "Si, tra i ceppi," from "Berenice" (Handel); (b) "O, Isis Guide Them," from "Magic Flute" (Mozart).
 9.25: Orchestral—Royal Opera Orchestra, "Eugen Onegin" (H.M.V., C1201, Tschakowsky).
 9.29: Vocal elocutionary interlude—Mr. and Mrs. J. W. Bailey, "Waiting for the Guests."
 9.40: Soprano—Mrs. Laetitia Parry, (a) "Lieti Signor," from "Gli Ugonotti" (Meyerbeer); (b) "Nymphs and Shepherds, Come Away," from "The Libertine" (Purcell).
 9.56: 1YA String Octet, "Iolanthe" (Sullivan).
 10.3: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, SEPTEMBER 16.

- 3.0: Chimes. Selected gramophone items.
 3.30 and 4.30: Sporting results to hand.
 4.55: Close down.
 5.0: Children's session, conducted by Uncle Jim.
 6.0: Dinner music session—"Columbia" Hour.
 Orchestral—Albert W. Ketelbey's Concert Orchestra, "Cockney Suite," Nos. 1 to 4: (1) A State Procession (Buckingham Palace), (2) The Cockney Lover (Lambeth Walk), (3) At the Palais de Dance (Anywhere), (4) Elegy (Thoughts on Passing the Cenotaph) (Ketelbey) (05052/3).
 6.13: Tacet.
 6.15: Orchestral—Albert W. Ketelbey's Concert Orchestra, "Cockney Suite," No. 5, Bank Holiday ("Appy Amstead") (Ketelbey) (05054).
 Band—Regimental Band of H.M. Grenadier Guards, "Radio Quick March" (Pecking) (01854).
 Orchestral—Jack Payne and the B.B.C. Dance Orchestra, "Say it with Songs" Selection, Parts 1 and 2 (de Sylva) (05029).
 6.28: Tacet.
 6.30: Orchestral—Albert W. Ketelbey's Concert Orchestra, "Jungle Drums—Patrol" (Ketelbey) (05054).
 Organ solo—Emil Velazco, "Estrellita" (01795).
 Band—Debroy Somers' Band, "Hungarian Medley, Parts 1 and 2."
 6.43: Tacet.
 6.45: Orchestral—Albert W. Ketelbey's Concert Orchestra, "By the Blue Hawaiian Waters," Parts 1 and 2 (Ketelbey) (05035).

Organ solo—Emil Velazco, "La Golondrina" (01795).
 Band—Regimental Band of H.M. Grenadier Guards, "Fighting Strength" (Jordan) (01854).

- 6.58: Tacet.
 7.0: News session, market reports and sports results.
 7.40: Lecturette—Representative, Agricultural Department, "For the Man on the Land."
 8.0: Chimes.
 "The Eight O'Clock Revue." The fifth instalment of a series of grown-up children's hours. Specially written, composed and arranged by Will Bishop. Supported by the 2YA Salon Orchestra, under the direction of Mr. M. T. Dixon.
 9.30: Dance programme—"Edison Bell."
 Foxtrot with vocal trio—Alfredo and His Band, "Sweetheart of All My Dreams" (Fitch) (976).
 Foxtrot with vocal chorus—The Blue Jays, "Dance of the Paper Dolls."
 Foxtrot—Alfredo and His Band, "Deep Night" (Henderson) (976).
 Foxtrot—The Blue Jays, "The Toymaker's Dream" (Golden) (1224).
 9.42: Waltz with vocal chorus—Alfredo and His Band, "My Song of the Nile" (de Sylva) (1262).
 Waltz with vocal chorus—Alfredo and His Band, "I'll Always be in Love with You" (Ruby) (1247).
 Foxtrot—Alfredo and His Band, "Turn on the Heat" (de Sylva).
 Foxtrot—Alfredo and His Band, "This is Heaven" (Yellen) (1250).
 Foxtrot—Alfredo and His Band, "If I Had a Talking Picture of You."
 Vocal—G. H. Elliott, "Muddlin' Thro'" (Howard Flynn) (1291).
 10.0: Foxtrot with vocal duet—Alfredo and His Band, "Little Pal" (de Sylva).
 Foxtrot—Alfredo and His Band, "Laughing Marionette" (Collins) (911).
 Foxtrot—Alfredo and His Band, "Why Can't You?" (de Sylva) (1270).
 Waltz with vocal chorus—Alfredo and His Band, "Sometimes."
 Waltz—Alfredo and His Band, "Let Me Dream in Your Arms Again."
 10.15: Vocal—Stanley Kirby, "My Mother's Eyes" (Baer) (1235).
 Foxtrot with vocal chorus—Radio Rhythm Boys, "Painting the Clouds with Sunshine" (Burke) (1297).
 Foxtrot with vocal chorus—Alfredo and His Band, "Mean to Me."
 Foxtrot with vocal chorus—Radio Rhythm Boys, "Tiptoe Thro' the Tulips with Me" (Burke) (1297).
 Foxtrot with vocal chorus—The Plaza Band, "A Precious Little Thing Called Love" (Davis) (1236).
 10.30: Waltz with vocal chorus—Alfredo and His Band, "Lady Divine."
 Foxtrot with vocal chorus—Harry Hudson's Melody Men, "Why Do I Love You?" (Kern) (852).
 Two-step—Bal Musette Orchestra, "Mayorqua" (Brunel) (945).
 Vocal—G. H. Elliott, "Yodelling Coon" (Howard Flynn) (1291).
 10.42: Foxtrot with vocal chorus—Alfredo and His Band, "I've Never Seen a Smile Like Yours" (Johnson) (1262).
 Foxtrot with vocal chorus—Alfredo and His Band, "I Think of What You Used to Think of Me" (Turk) (912).
 Foxtrot—Harry Hudson's Melody Men, "Oh Man River" (Kern) (852).
 Foxtrot with vocal chorus—Alfredo and His Band, "I Don't Know Why I Do It, But I Do" (912).
 Foxtrot with vocal chorus—Alfredo and His Band, "Do Something."
 Dutch dance—Bal Musette Orchestra, "Raffe" (Berniaux) (945).
 11.0: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, SEPTEMBER 16.

SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, SEPTEMBER 16.

- 3.0: Chimes. Selected gramophone items.
 4.25: Sporting results.
 4.30: Close down.
 5.0: Chimes. Children's hour, conducted by Uncle Pete.
 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'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 session.
 7.40: Talk—Mr. R. W. Marshall, "Tourist Resorts of N.Z."
 8.0: Chimes. Programme of music to be rendered by St. Kilda Band, under Direction of Mr. Jas. Dixon.
 March—The Band, "The Moa" (Bulch). Waltz—The Band, "Syringa."
 8.16: Soprano—Miss Muriel M. E. Eager, "Sing, Sweet Bird" (Gawn).
 8.22: Organ—Arthur Meale, "Yellow Sands" (Ewing) (H.M.V., B3112).
 8.26: Recital—Mr. A. Gorrie, "Two Miniatures" (Robert Service).
 8.32: Selection—The Band, "Tam o' Shanter" (Round).
 8.47: Baritone—Mr. N. Gamble, "Old English Love Song" (Allitsen).
 8.51: Novelty—Ferreira and Paalubi, "Kilima" (Traditional) (H.M.V. B2369).

- 8.55: Contralto—Miss M. Teviotdale, (a) "My Heart is Like the Night" (Lassen); (b) "I Love Thee" (Greig).
 9.1: Weather report.
 9.3: Instrumental—The Band, "Cock o' the North" (Carrie).
 9.11: Soprano—Miss Muriel M. E. Eager, (a) "Stay With Me" (Anon.); (b) "When Roses Bloom" (Reichardt).
 9.14: Orchestra—Nat Shilkret and Orchestra, "Stephen Foster Melodies."
 9.22: Recital—Mr. A. Gorrie, "Selections" (Robert Service).
 9.28: Foxtrot—The Band, "Painting the Clouds with Sunshine" (Burke).
 9.34: Baritone—Mr. N. Gamble, (a) "Easter Snow" (arrgd. Stanford); (b) "Old Clothes, Fine Clothes" (Shaw).
 9.40: Cornet—Mr. G. Christie, "When You Come Home" (Squire).
 9.47: Organ—Arthur Meale, "Beneath the Desert Moon" (Ewing).
 9.50: Contralto—Miss M. Teviotdale, "Gretchen at the Spinning Wheel."
 9.54: March—The Band, "Royal Fusiliers" (Rayner).
 10.0: God save the King.

Wednesday, September 17

4YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, SEPTEMBER 17.

- 12.30: Relay of Community Singing from Auckland 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.
 Selection—H.M. Grenadier Guards Band, "New Sullivan Selection."
 Waltz—Court Symphony Orchestra, "Destiny Waltz" (Baynes) (564).
 6.12: Tacet.
 6.15: Orchestra—Columbia Symphony Orchestra, "Idillo" (Lack) (01076).
 Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert":
 (1) La Caprice de Nanette, (2) Demande et Response" (Coleridge-Taylor) (02589).
 6.26: Tacet.
 6.0: Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert":
 (1) Un Sonnet d'Amour, (2) La Tarantelle Fretilante.
 Wurflitzer organ—Terence Casey, "I'm Lonely" (Coates) (01501).
 6.42: Tacet.
 6.45: Dance suite—H.M. Grenadier Guards, "Nell Gwynn Dances": (1) Country Dance, (2) Pastoral Dance (German) (01329).
 Orchestra—Columbia Symphony Orchestra, "Spring Song."
 Waltz—Symphony Orchestra, "Morgen Blatter" (Strauss) (9218).
 6.58: Tacet.
 7.0: News and market reports.
 7.40: Talk—Miss Briar Gardner, first of a series of talks on "Pottery."
 8.0: Chimes. Presentation of a special programme by the New Zealand League of Penwomen.
 Overture—Light Symphony Orchestra, "The Merry Wives of Windsor."
 8.9: Maori song—Mrs. Harold King, "Kotero Poi" (Rupi Hamutana).
 8.13: Piano—Mrs. Herbert Bloy, "Nalla Waltz" (Delibes-Dohnanyi).
 8.22: Mezzo-soprano—Miss Amy Hansard, (a) "Elly Aroon" (Mary Brett); (b) "Hay Harvest" (Mary Brett).
 8.29: Cello—Miss Marjorie Tiarks, "Thais" (Massenet).
 8.33: Elocution—Mrs. Arthur Griffiths, "The Speech of Clythe" (own. arr.).
 8.37: Piano solos—Miss Mary Brett, (a) "Waltz" (Mary Brett); (b) "Impromptu" (Mary Brett).
 9.42: Violin quartet—Mrs. H. R. Keskeith and Misses Amy Stevenson, Rita Phillips and Edna Sheldermine, "Minuet" (Boccherini).
 9.46: On-act play—"No Imagination" (Jean Boswell). Cast: Mrs. Culford Bell, Miss Oona Burton, Mr. Arthur Griffiths, Mr. George Moody, Mr. Boswell.
 9.0: Evening weather forecast and announcements.
 9.2: Selection—H.M. Coldstream Guards Band, "La Fille de Madame Angot" (Lecocq) (H.M.V. C1370).
 9.10: Maori song—Mrs. Harold King, "Pehea Ra Tai A Aroha."
 9.14: Piano solos—Mrs. Herbert Bloy, (a) "Polka" (Rachmaninoff); (b) "Finale from B Minor Sonata" (Chopin).
 9.24: Mezzo-contralto—Miss Amy Hansard, "There is Quietness Among the Lilies" (Mary Brett).
 9.28: Cello—Miss Marjorie Tiarks, "Poems" (Fibich).
 9.32: Elocution—Mrs. Arthur Griffiths, "Episode in Church."
 9.36: Piano—Miss Mary Brett, "Nocturne" (Mary Brett).
 9.40: Violin quartet—Mrs. H. R. Keskeith, Misses Amy Stevenson, Rita Phillips, Edna Sheldermine, "Prelude and Rondo" (Weinwurm).
 9.44: Humorous sketch—Miss Gertrude Bertram and Mr. George Moody, "Sausages and Surprises" (Isabel M. Cluett).
 9.54: Selection—National Symphony Orchestra, "Light Cavalry" (Von Suppe).
 10.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY SEPT. 17.

SILENT DAY.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, SEPT. 17.

- 3.0: Afternoon session, gramophone recital.
 4.25: Sports results.
 4.30: Close down.

- 5.0: Children's Hour, conducted by Uncle John.
 6.0: Dinner session, "Parlophone" hour.
 Overture—Berlin State Opera Orchestra, "Mignon" (Thomas).
 Instrumental—Grand Symphony Orchestra, "Tales of Hoffman-Baccarole" (Offenbach) (A4061).
 6.12: Tacet.
 6.15: Fantasia—Edith Lorand Orchestra, "Faust" (Gounod) (E10579).
 Piano—Karol Szreter, "Fledermaus" (Strauss) (A4082).
 6.27: Tacet.
 6.30: Berlin State Opera Orchestra, "Italiana in Algeria" (Rossini).
 Cello—Orabio de Castro, "Nocturne in E 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.
 7.30: Addington stock market reports.
 8.0: Chimes.
 Operatic and Miscellaneous Programme, including vocal Excerpt from Musical Comedies.
 "Oh! Oh! Delphine" (Van Caryll) and "Going Up" (Louis Hirst).
 Overture—Bournemouth Municipal Orchestra, "Don Giovanni."
 8.9: Baritone and Quartet—Mr. J. G. Young and Calon Quartet, "Please Turn Your Backs" (Caryll).
 Tenor—Mr. H. Blakeley, "Posing for Venus" (From "Oh! Oh! Delphine") (Caryll).
 8.15: Instrumental—Studio Octet (Conductor Mr. Harold Beck) "Grand March" (Verdi); (b) "Nocturne" (Chopin).
 8.25: Quartet—Salon Quartet—"Oh Gifted Master, Sleep" (Caryll).
 Contralto and Baritone—Salon Duo, "Can We Forget" (From "Oh! Oh! Delphine") (Caryll).
 8.31: Novelty—Circolo Mandolinistico—"Torna a Surriento" (De Curtis).
 8.34: Soprano and Trio—Miss Corrie Aslin and Salon Trio, "Maxim Girl" (From "Oh! Oh! Delphine") (Caryll).
 8.37: Instrumental—Studio Octet—(a) "Pas de Amphores" (Chaminade); (b) "Mazurka" (St. Saens).
 8.44: Baritone and Quartet—Mr. J. G. Young and Salon Quartet, "Everything's at Home Except Your Wife" (Caryll).
 8.47: Cello—W. H. Squire, "Sicillienne" (Faure) (Columbia L1759).
 8.51: Soprano and Tenor—Salon Duo, "The Venus Waltz" (From "Oh! Oh! Delphine") (Caryll).
 8.54: Selection—London Theatre Orchestra, "Lilac Time."
 9.2: Weather report and station notices.
 9.4: Quartet and Contralto—(Salon Quartet and Contralto), Miss Dulce Mitchell, "Excerpts From Going Up" (Louis Hirst).
 Contralto and baritone—Salon Duo, "I Want a Boy" (Louis Hirst).
 9.8: Instrumental—Studio Octet, Ballet Music, "Le Cid" (Massenet); (a) Castillane; (b) Andalouse; (c) Aragonaise; (d) Aubade; (e) Catalane.
 9.20: Contralto and soprano—Salonelle Duo, "If You Look In Her Eyes" from "Going Up" (Louis Hirst).
 Tenor and quartet—Mr. H. Blakeley and Salon Quartet, "Going Up."
 9.25: Orchestra—New York Symphony Orchestra, "Entrance of the Little Fauns" (Pierne) (Columbia 02907).
 9.28: Soprano—Miss Corrie Aslin, "The Touch of a Woman's Hand" from "Going Up" (Louis Hirst).
 9.31: Instrumental—Studio Octet, "Jig" (Holst).
 9.35: Contralto and baritone—Salon Duo, "Do It For Me" from "Going Up."
 Soprano and quartet—Miss Corrie Aslin and Salon Quartet, "Tickle Toe" (Louis Hirst).
 9.39: Violin—Joseph Sziget, "Le Printemps" (Milhaud) (Columbia L1963).
 9.43: Soprano and tenor—Salon Duo, "Kiss Me" from "Going Up."
 Baritone—Mr. J. G. Young, "There's a Brand New Hero."
 Quartet—Salon Quartet, "Here's to the Two of You" (Louis Hirst).
 9.53: Instrumental—Studio Octet, "Woodland Sketches" (Macdowell).
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, SEPTEMBER 17.

- 3.0: Chimes. Selected gramophone items.
 3.15: Talk—"Helpful Hints for Christmas Gifts," Home Science Extension Department of Otago University, under auspices of 4YA Primary Productions Committee.
 4.25: Sporting results.
 4.30: Close down.
 5.0: Chimes. Children's Hour, conducted by Big Brother Bill.
 6.0: Dinner music, "Parlophone" hour.
 Overture—Grand Symphony Orchestra, "Zampa" (Herold) (A4020).
 Waltz—Dajos Bela Orchestra, "Morgenblatter" (Strauss) (A4038).
 6.12: Tacet.
 6.15: Instrumental—Orchestra of the Opera Comique, Paris, "Scenes Pittoresques" (Massenet) (A4057).
 Waltz—Edith Lorand Orchestra, "Vienna Waltz" (Drdla) (E10581).
 6.27: Tacet.
 6.30: Waltz—Dajos Bela Orchestra, "Marien Klange" (Strauss) (A4038).
 Instrumental—Dajos Bela Orchestra, "Ideale" (Tosti) (A4015).
 Waltz—Edith Lorand Orchestra, "Merry Vienna" (Zishrer).
 6.42: Tacet.
 6.45: Waltz—Edith Lorand Orchestra, "Song of Autumn" (Waldteufel).
 Waltz—Queenie and David Kall, "Hawaiian March" (Ellis) (A2372).
 Valse Intermezzo—Edith Lorand Orchestra, "The Flowers' Dream."
 Selection—H.M. Irish Guards, "The Desert Song" (Romberg).

- 6.57: Tacet.
 7.0 : News session.
 8.0 : Chimes.
 Overture—Romani and Italian Orchestra, "Old Comrades March."
 8.4 : Contralto—Mrs. Doris M. Aitcheson, (a) "Break, Break, Break" (Carey); (b) "In a Monastery Garden" (Ketelbey).
 8.11: Popular Melodies—Novelty Syncopators, (a) "Chant of the Jungle" (Freed); (b) "Should I" (Freed).
 8.19: Baritone—Mr. S. Kershaw, "Bols Epais" (Lully).
 8.22: Saxophone—Mr. J. McCaw, "Suite Orientale" (Gurewich).
 8.26: Recital—Miss Tui Northey, "His First Long Trousers" (Anon.).
 8.30: Popular Melodies—Novelty Syncopators, (a) "My Varsity Girl" (Harding); (b) "You're Always in My Arms" (McCarthy).
 8.38: Soprano—Miss Olga E. Wynne, "Nanon" Gavotte" (Massenet).
 8.42: Piano and Syncopated Harmony—Messrs. Wilson and Ferrant, (a) "The Latest Hit"; (b) "The Bab-Bab-Bab-Ling Brook."
 8.51: Vocal items—Mr. B. Brown, "Scotch Song and Patter" (Tyffe).
 8.55: Popular Melody—Novelty Syncopators, "Start The Day With a Smile."
 9.0 : Weather report.
 9.2 Contralto—Mrs. Doris M. Aitcheson, "It's Only a Tiny Garden."
 9.5 : Recital—Miss Tui Northey, "A Lesson With a Fan" (Anon.).
 9.8 : Popular Melodies—Novelty Syncopators, "Precious Little Thing Called Love" (Davies).
 9.12: Baritone—Mr. S. Kershaw, (a) "Slow, Horses, Slow" (Jalowioz); (b) "Homeland" (Drummond).
 9.18: Waltz—Novelty Syncopators, "Blue Hawaii" (Baer).
 9.21: Soprano—Miss Olga E. Wynne, "Over the Meadow" (Carey); "Dawn, Gentle Flower" (Bennett).
 9.26: Popular Melodies—Novelty Syncopators, "Let Me Have My Dreams."
 9.29: Vocal items—Mr. B. Brown, "Harry Lauder" (Lauder).
 9.33: Dance session, "Brunswick."
 Foxtrot—Anglo Persians, "Dancing Butterfly" (Pascal-Golden).
 Foxtrot—Abe Lyman and His California Orchestra, "Worryin' Over You" (Tobias, De Rose) (4774).
 Foxtrot—Al Goodman and His "Flying High" Orchestra, "Thank Your Father" (de Sylva) (4726).
 Waltz—Regent Club Orchestra, "I Love You So" (Kahn-Florito).
 9.42: Foxtrot—Tom Clines and His Music, "Until Love Comes Along."
 Foxtrot—Lloyd Huntley and His Isle o' Blues Orchestra, "Promises."
 Foxtrot—Ben Bernie and His Orchestra, "Telling It To the Daisies."
 Foxtrot—Lloyd Huntley and His Isle o' Blues Orchestra, "On a Blue and Moonless Night" (O'Flynn, Hoffman, Osborne) (4784).
 9.54: Vocal trio—Earl Burtnett's Biltmore Trio, "If I'm Dreaming."
 Foxtrot—Ben Bernie and His Orchestra, "Keeping Myself For You."
 Foxtrot—Colonial Club Orchestra, "Caribbean Love Song" (Berton).
 Foxtrot—Ben Bernie and His Orchestra, "You Brought a New Kind of Love to Me" (Fain, Kahal, Norman) (4767).
 Foxtrot—Tom Clines and His Music, "Any Time's the Time to Fall in Love" (Janis, King) (4772).
 10.9 : Walt—Ben Bernie and His Hotel Roosevelt Orchestra, "Coquette."
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "Exactly Like You."
 Foxtrot—Ben Bernie and His Orchestra, "Reminiscing."
 10.21: Vocal—Vaughn De Leath, "Sometimes I'm Happy" (Caesar, Youmans).
 Foxtrot—Abe Lyman and His California Orchestra, "You Will Come Back To Me" (Fields, Rose) (4774).
 Foxtrot—Ben Bernie and His Orchestra, "Livin' in the Sunlight, Lovin' in the Moonlight" (Sherman, Lewis) (4767).
 Foxtrot—Colonial Club Orchestra, "Watching My Dreams Go By."
 10.33: Waltz—Regent Club Orchestra, "Lazy Louisiana Moon."
 Foxtrot—Colonial Club Orchestra, "Wherever You Are."
 Foxtrot—Colonial Club Orchestra, "Sweepin' the Clouds Away."
 10.42: Vocal trio—Earl Burtnett's Biltmore Trio, "A Year From To-day."
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "On the Sunny Side of the Street" (Fields) (4742).
 Foxtrot—The Jungle Band, "Sweet Mama" (Ellington, Mills) (4760).
 Waltz—Earl Burtnett and His Los Angeles Biltmore Hotel Orchestra, "Love Boat" (Brown, Freed) (4232).
 Foxtrot—Anglo-Persians, "The Toy-Town Admiral."
 Foxtrot—Colonial Club Orchestra, "All Alone Monday."
 11.0 : God save the King.
- 6.29: Tacet.
 6.30: Waltz—International Concert Orchestra, "Danube Waves" (Ivanovici).
 Hawaiian—Hilo Hawaiian Orchestra, "Kawaihau Waltz" (Kealakai).
 Orchestral—Paul Whiteman and His Concert Orchestra, "Caprice Futuristic" (Malneck) (C1607).
 Organ—Edward O'Henry, "Ca C'est Madrid" (O'Henry) (B3094).
 6.44: Tacet.
 6.45: Orchestral—Hylton's Orchestra, "Good Old Songs" Selection (C1592).
 Orchestral—International Concert Orchestra, "Barcarolle."
 Orchestral—New Light Symphony Orchestra, "Cavalleria Rusticana."
 6.59: Tacet.
 7.0 : News session.
 7.15: Market reports and stock exchange notices.
 7.25: Sporting results, followed by general news.
 8.0 : Chimes. Piano and vocal novelty duo—The Cambrian, (a) "Ten Little Miles from Town" (Karn); (b) "O Flower Divine" (Elsdell).
 8.9 : Instrumental trio—Studio Trio, "Melody in F" (Rubinstein).
 8.16: Mezzo-soprano—Miss Thelma Duffin, (a) "Jeunesse" (Barry); (b) "Wishing" (Gordon).
 8.23: Humour—Mr. T. T. Garland, "Humour."
 8.30: Instrumental trio—Studio Trio, "Serenade" (Drdla).
 8.35: Contralto—Miss Nellie Lingard, (a) "Your Song" (Bond); (b) "Come Soothing Death" (Bach).
 8.42: Piano and vocal novelty duo—The Cambrian Duo, (a) "Maytime" (Geoch); (b) "Nocturne" (Bourne).
 8.50: Instrumental trio—Studio Trio, "Prelude" (Rachmaninoff).
 8.55: Mezzo-soprano—Miss Thelma Duffin, "I Wonder if Love is a Dream."
 8.59: Evening weather forecast and announcements.
 9.1 : Instrumental trio—Studio Trio, "La Paloma" (Yradier).
 9.6 : Contralto—Miss Nellie Lingard, "Soul of Mine" (Barne).
 9.10: Piano and vocal—The Cambrian Duo, (a) "If You Would Love Me" (MacDermid); (b) "There's a Little Maori Whare" (Lawrence).
 9.18: Instrumental trio—Studio Trio, "Liebesfreud" (Kreisler).
 9.23: Humour—Mr. T. T. Garland, "A Fireside Chat."
 9.28: Programme of dance music—"Columbia."
 9.30: Foxtrot—The Harmonians with vocal chorus, "I'm in Seventh Heaven."
 Foxtrot—The Knickerbockers with vocal refrain, "Song of Siberia."
 Foxtrot—The Harmonians with vocal chorus, "Used to You."
 Foxtrot—Ernie Golden and His Orchestra, with vocal chorus, "Satisfied" (Friend and Caesar) (01740).
 9.42: Vocal—Eddie Walters, with piano and guitar accompaniment, "Goodness Gracious, Gracie" (Abbott, Casem and Winbrow) (01630).
 Foxtrot—Stellar Dance Band, "Dancing Goblin" Novelty Foxtrot.
 Foxtrot—Harry Reser's Syncopators, with vocal chorus by Tom Stacks, "The Flipperty Flop" (Coslow, Robin and Whiting) (01681).
 Foxtrot—Stellar Dance Band, "Giggling Goliwog" (Tisley and Evans).
 Waltz—Ben Selvin and His Orchestra, "I've Waited a Lifetime for You."
 9.57: Duet—Ford and Glenn, with novelty accompaniment, "Where the Sweet Forget-Me-Nots Remember" (Dixon Warren) (G20578).
 Foxtrot—Guy Lombardo and His Royal Canadians with vocal trio, "Then we Canoe-dle-oodle Along" (Woods, Tobin and Bohr).
 Foxtrot—Ben Selvin and His Orchestra, "Junior" (Donaldson) (01691).
 Foxtrot—The Midnight Revellers, with vocal refrain, "True Blue Lou."
 Foxtrot—Ipana Troubadours, with vocal refrain, "There was Nothing Else to Do" (Kalmar, Ruby and Warren) (01703).
 Foxtrot—Ipana Troubadours with vocal refrain, "Just a Glimpse of Paradise" (Kalmar, Ruby and Warren) (06199).
 10.15: Duet—Pearce Brothers (Al and Cal), "If I Give Up the Saxophone."
 Foxtrot—Ben Selvin and His Orchestra, "Am I Blue?"
 Foxtrot—The Midnight Revellers, "If I Had My Way" (Green).
 10.27: Foxtrot—Ted Fiorito and His Edgewater Beach Hotel Orchestra, "Candle-light Lane" (Lewis and Fiorito) (01755).
 Waltz—Frank Ferera's Hawaiian Trio, with vocal chorus, "Pagan Love Song" (Brown and Freed) (G20560).
 Foxtrot—Guy Lombardo and His Royal Canadians, "You Want Lovin'."
 10.30: Vocal—Marie Burke, "The Song I Love."
 Foxtrot—Guy Lombardo and His Canadians, "Here We Are."
 Foxtrot—Ted Fiorito and His Edgewater Beach Hotel Orchestra, "You've Never Been Blue" (Lewis, Young and Fiorito) (01755).
 Foxtrot—Ted Lewis and His Band, with vocal refrain, "My Love Song."
 10.45: Duet—The Two Comedians with orchestra, "Smith's Crisp Crisps."
 Foxtrot—Ray Starita and His Ambassadors Band, "Iz Izzy Azzzy Wozzy."
 Foxtrot—Harry Rester's Syncopators, with vocal refrain, "Piccolo Pete."
 Waltz—Frank Ferera's Hawaiian Trio, with vocal chorus, "Ua Like a No a' Like" (Everett) (G20560).
 11.0 : God save the King.

Thursday, September 18

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, SEPTEMBER 18.

- 3.0 : Afternoon session—Selected studio items.
 3.15: Home science—"Cold Puddings and Desserts." Talk prepared by Home Science Extension Service, Otago University.
 4.30: Close down.
 5.0 : Children's session, conducted by "Peter Pan."
 6.0 : Dinner session—"H.M.V." Hour.
 Waltz—International Concert Orchestra, "Over the Waves" (Rosas).
 Orchestral—Paul Whiteman and His Concert Orchestra, "High Water."
 Hawaiian—Hilo Hawaiian Orchestra, "My Hula Love" (Kealakai).
 Orchestral—Zonophone Salon Orchestra, "Simple Aveu" (Thome).
 6.13: Tacet.
 6.15: Orchestral—Paul Whiteman and His Orchestra, "Mississippi Suite."
 Organ—Edward O'Henry, "Chant Sans Paroles" (Tschalkowsky).
 Orchestral—Zonophone Salon Orchestra, "Narcissus" (Nevil).

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, SEPTEMBER 18.

- 3.0 : Chimes. Selected gramophone items.
 3.15: Home Science Talk—"Cold Puddings and Desserts," Miss I. F. Meadows—Home Science Talk, arranged by the Home Science Extension Department, Otago University.
 3.25: Selected gramophone items.
 3.30 and 4.30: Sporting results to hand.
 4.55: Close down.
 5.0 : Children's session, conducted by Uncle George.
 6.0 : Dinner music session, "Parlophone" Hour.
 Orchestral—Grand Symphony Orchestra, "Suite Orientale"; (a) "March"; (b) "On the Shore of the Ganges" (Francis Popy).
 Orchestral—Edith Lorand Orchestra, "Toreador and Andalousse."
 Orchestral—Grand Symphony Orchestra, "Naila" (Delibes) (A4191).

- 6.14: Tacet.
 6.15: Orchestral—Dajos Bela Orchestra, "Woodland Peace" (Favilla).
 Orchestral—Berlin State Opera House Orchestra, "The Barber of Seville Overture" (Rossini) (A4193).
 Orchestral—Edith Lorand Orchestra, "Minuet" (Boccherini).
 6.29: Tacet.
 6.30: Orchestral—Grand Symphony Orchestra, "Suite Orientale Pt. 4":
 "The Patrol" (Francis Popy) (A4156).
 Orchestral—Grand Symphony Orchestra, "Lustspiel Overture."
 Orchestral—Dajos Bela Orchestra, "The Court Ball" (Josef Lanner).
 Orchestral—Grand Symphony Orchestra, "Japanese Lantern Dance."
 6.44: Tacet.
 6.45: Orchestral—Grand Symphony Orchestra, "Suite Orientale Pt. 3":
 "The Dancers" (Francis Popy) (A4156).
 Orchestral—Dajos Bela Orchestra, "Viennese Waltz Potpourri."
 Orchestral—Grand Symphony Orchestra, "Chinese Street Serenade."
 6.59: Tacet.
 7.0: News session, market reports and sports results.
 8.0: Chimes.
 Studio Programme by the Miramar Silver Band (Conductor Mr. A. Sutherland) and assisting artists.
 March—The Band, "Man o' Brass" (Ord Hume).
 8.5: Soprano—Miss Moana Goodwill, "I Hear You Singing" (Coates).
 8.9: Piano—Mr. Ernest Sharp, "Naila Waltz" (Dohnanyi).
 8.15: Baritone—Mr. H. W. Dowling, "The Great Adventure" (Fletcher).
 8.19: Wurlitzer organ—Terence Casey, (a) "Love Everlasting" (Frini);
 (b) "Crazy Piouette" (Frisk) (Columbia D042).
 8.25: Contralto—Mrs. Lurline Dargaville, "My Dear Soul" (Sanderson).
 8.29: Vibraphone—Miss Joyce Morgan, (a) "Old Folks at Home" (Foster);
 (b) "Santa Lucia" (Neapolitan folk song).
 8.34: Humour—Mrs. E. O. Chapman, "Mrs. Green Has 'Er Photo Took."
 8.39: Fantasia—The Band, "A Summer Day" (Greenwood).
 8.47: Tenor—Mr. Noho Toki, "When You are There" (Tate).
 8.53: Waltz—The Band, "For Ever True" (Pecorini).
 8.59: Weather report and announcements.
 9.1: Soprano—Miss Moana Goodwill, "Over the Waters Blue."
 9.5: Vibraphone—Miss Joyce Morgan, (a) "The Bells of St. Mary's" (Adams); (b) "Husheen" (Needham).
 9.10: Baritone—Mr. H. W. Dowling, "The Carpet" (Sanderson).
 9.14: Selection—The Band, "Hampton Court" (arrgd. Greenwood).
 March—The Band, "La Viandiere" (Rimmer).
 9.25: Contralto—Mrs. Lurline Dargaville, "A Bowl of Roses."
 9.29: Humour—Mrs. E. O. Chapman, (a) "The Little Black Hen" (Milne);
 (b) "Mrs. Green in a London Bus" (Rynd).
 9.35: Selection—The Band, "The Dear Little Shamrock" (Newbold).
 9.43: Tenor—Mr. Noho Toki, "I Pitch My Lonely Caravan at Night."
 9.47: Dance Humoresque—The Band, "The Merry Men" (Rimmer).
 9.52: Duet—Layton and Johnstone, (a) "In An Old World Garden" (Pep-
 per). (b) "Ain't It Great To Be Home Again" (Gilbert).
 9.58: March—The Band, "Star of the Desert" (Owen Thomas junr.).
 10.2: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, SEPT. 18.

- 3.0: Afternoon session, gramophone recital.
 3.15: Home Science—"Cold Puddings and Desserts," talk prepared by the Home Science Extension Service Otago University.
 4.25: Sports results.
 4.30: Close down.
 5.0: Children's Hour, conducted by Ladybird and Uncle Frank.
 6.0: Dinner session, "Columbia" hour.
 Selection—Court Symphony Orchestra, "The Windmill Man."
 J. H. Squire's Celeste Octet, "Scene De Ballet."
 Halle Orchestra—"Hungarian Dance No. 5 in G Minor" (Brahms).
 6.13: Tacet.
 6.15: Plaza Theatre Orchestra, "The Three Bears" Fantasy (Coates).
 J. H. Squire's Celeste Octet, "A Vision of Christmastide" (Harrison).
 6.27: Tacet.
 6.30: Regimental Band of H.M. Grenadier Guards, "La Benediction Des Poignards" (Meyerbeer) (02931).
 Bournemouth Municipal Orchestra, "Echoes of the Valley" (Gennin).
 J. H. Squire's Celeste Octet, "Second Movement From 'Symphonie Pathetique'" (Tschaiakowsky, arrgd. Robertson) (02937).
 Halle Orchestra, "Hungarian Dance No. 6 in D" (Brahms) (01677).
 6.43: Tacet.
 6.45: Bournemouth Municipal Orchestra, "The Merry Brothers."
 Regimental Band of H.M. Grenadier Guards, "Lo, Here the Gentle Lark" (Bishop, arrgd. Godfrey) (02931).
 Herman Finck's Orchestra, "Christmas Memories" (argd. Finck).
 6.58: Tacet.
 7.0: News session.
 7.30: Lecture—Mr. W. G. Morrison (State Forest Service) (Conservator of Forests) "Manufacture of Wood Pulp," arranged by 3YA Primary Productions Committee.
 8.0: Chimes.
 Overture—Concertbegouw Orchestra, "Anacreon" (Cherubini).
 8.12: Soprano—Miss Sylvia Angus, (a) "A Birthday" (Woodman); (b) "When First I Saw Your Face" (Purcell).
 8.16: Bass—Mr. R. W. Rofe, "The Sands o' Dee" (Clay).
 8.20: Instrumental—Studio Octet (Conductor Mr. Harold Beck), Overture "Men of Prometheus" (Beethoven).
 8.25: Vocal trio—Soprano, mezzo-soprano, contralto—Miss Sylvia Angus, Delcie Philpott and Kathleen Bond, "Song on the May Morning."

- 8.29: Piano—Miss Noel Cape-Williamson, "Concert Paraphrase."
 8.35: Humour—Mr. Denys Cow, "Having It Out" (Kent).
 8.40: Piano and accordeon—Guido Deiro, "Drigo's Serenade" (Drigo).
 8.43: Tenor—Mr. J. A. Blythe, (a) "Two Hazel Eyes" (Grieg); (b) "I Love Thee" (Grieg).
 8.48: Choral—Wiener Schubertbund, "Der Tanz" (Schubert) (Col. 02836).
 8.50: Instrumental—Studio Octet—(a) "Minuet All Antico" (Karganoff);
 (b) "Morris Dance" (Noble).
 8.59: Weather report and station notices.
 9.1: Orchestral—Johann Strauss and Symphony Orchestra, "Doctrinen."
 9.5: Contralto—Miss Kathleen Bond, "A Summer Night" (with 'cello obligato by Miss Marjorie Chapman) (Goring Thomas).
 9.9: Instrumental Studio Octet—"Meditation" (Bach-Gounod).
 9.14: Choral—Wiener Schubertbund, "Die Nacht" (Schubert).
 9.18: Piano—Miss Noel Cape-Williamson, "Moment Musical."
 9.21: Bass—Mr. R. W. Rofe, (a) "The Secret" (Scott); (b) "The Curtain Falls" (D'Hardelot).
 9.27: Violin—Yelly D'Aranyi, "Poeme Hongroise" (Hubay) (Co. 03584).
 9.30: Vocal trio—Soprano, mezzo-soprano and contralto, Misses Sylvia Angus, Delcie Philpott and Kathleen Bond, "The Dream Seller."
 9.32: Instrumental—Studio Octet, "Three English Dances" (Cowan), (a) Stately Dance; (a) Rustic; (c) Graceful.
 9.45: Humour—Mr. Denys Cow, "The Faithful Lover" (Burnard).
 9.45: Orchestral—Columbia Symphony Orchestra, "Scarf Dance."
 9.52: Tenor—Mr. J. A. Blythe, (a) "Deep in a Rose's Glowing Heart" (Nevin); (b) "At the Mid Hour of Night" (Cowan).
 9.56: Instrumental—Studio Octet, "Indian Love Lyrics" (Woodford-Finden) God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, SEPTEMBER 18.

- 8.0: Relay from Town Hall, Dunedin, of Concert by Dunedin Orchestral Society. Hon. Conductor, Mr. J. Coombes. Assisting Artists, Miss Rawlinson, contralto; Mr. Cecil Hawes, baritone. Orchestral items include:—
 1. Overture—"The Huntress" (Easton).
 2. Suite—"The Dance of the Hours" (Ponchielli).
 3. Symphonie No. 8—"Allegretto Scherzando," "Menuetto," "Allegro Vivace" (Beethoven).
 4. Overture—"Hansel and Gretel" (Humperdinck).
 5. Selection—"The Mikado" (Sullivan).
 6. March Triomphe—"Cortege Polonais" (Doneddu).
 Vocal items will include: Miss Bertha Rawlinson, L.A.B., "O Lovely Night" (Landon Ronald), "Tune o Tears" (Galloway), "The Night-ingle" (Kjerulf). Mr. Cecil S. Hawes, "The Old Superb" (Stanford).
 God save the King.

Friday, September 19

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, SEPTEMBER 19.

- 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 "Annet Jean."
 6.0: Dinner session, "H.M.V." Hour:
 Suite—London Symphony Orchestra, "Czar Sultan Suite" (D1491)
 Waltz—International Concert Orchestra, "Waltz Dream" (Zono. EF18)
 6.12: Tacet.
 6.15: Suite—New Light Symphony Orchestra, "Peer Gynt Suite" (Grieg):
 (1) Ingrid's Lament, (2) Arabian Dance (C1571).
 New Light Symphony Orchestra, "Prelude in G Minor" (Rachmaninoff) (Zonophone EF24).
 6.27: Tacet.
 6.30: Suite—New Light Symphony Orchestra, "Peer Gynt Suite" (Grieg):
 (1) Return of Peer Gynt, (2) Solveig's Song (C1572).
 New Light Symphony Orchestra, "Prelude in C Sharp Minor" (Rachmaninoff) (Zonophone EF24).
 6.42: Tacet.
 6.45: Philadelphia Symphony Orchestra, "Danse Orientale" (Glazounov).
 Waltz—International Concert Orchestra, "Sari" (Kalman) (Zono.).
 March—Philadelphia Symphony Orchestra, "March of the Caucasian Chief" (Ippolitoff-Iwanoff) (E521).
 6.57: Tacet.
 7.0: News and market reports.
 7.40: Talk—Mr. B. S. Jones, "How to Get the Best out of your Receiver."
 8 p.m.: Chimes.
 Orchestral—Royal Philharmonic Orchestra, "Scherzo" from Two Movements in Symphonic Form (Columbia, 02732).
 8.9: Tenor—Mr. Ian H. Barry, "Love's Mirror" (Coleridge-Taylor).
 8.13: Orchestral—1YA String Octet, under direction of Mr. J. Whitford Waugh, "Scherzo" (Mendelssohn).
 8.17: Lecture-recital—Mrs. Daisy Basham, assisted by Mr. H. Barry Coney, "Cherubini."
 8.32: Orchestral—1YA String Octet, (a) "Ave Maria" (Gounod); (b) "Naila" (Delibes).
 8.38: Mezzo-soprano—Miss Molly Atkinson, "The May Night" (Brahms).
 8.42: Orchestral—1YA String Octet, (a) "Liebestarume" (Liszt); (b) "Intermezzo" (Mascagni).

- 8.52: Baritone—Mr. Rex Harrison, (a) "The Devout Lover" (White); (b) "Waves" (Phillips).
 8.59: Evening weather forecast and announcements.
 9.1: Royal Philharmonic Orchestra, "Poco Allegro" from Two Movements in Symphonic Form (Columbia, 02783).
 9.9: Tenor—Mr. Ian H. Burry, (a) "Who is Sylvia?" (Shubert); (b) "The Brightest Day" (Easthope Martin).
 9.16: Orchestral—1YA String Octet, "Prelude and Nocturne" (Chopin).
 9.26: Lecture-recital—Mrs. Daisy Basham, assisted by Mr. H. Barry Coney, "Cherubini."
 9.41: Piano—William Murdoch, "Romanze in F Sharp Major" (Col., 04222, Schumann).
 9.45: Mezzo-soprano—Miss Molly Atkinson, (a) "On Wings of Song" (Mendelssohn); (b) "But Lately in Dance" (Arensky).
 9.52: Orchestral—1YA String Octet, (a) "Moments Capriccioso" (Weber); (b) "Enchanted Forest" (Spitalny).
 10.0: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, SEPTEMBER 19.

- 2.45: Unveiling ceremony in connection with the Memorial to the late Rt. Hon. W. F. Massey.
 3.30 and 4.30: Sporting results to hand.
 4.55: Close down.
 5.0: Children's session conducted by Big Brother Jack.
 6.0: Dinner music session—"H.M.V." Hour:
 Orchestral—Marek Weber and Orchestra, "Beggar Student" (C1528).
 Orchestral—Philadelphia Symphony Orchestra, "Carmen" Entr'acte Act 4 (Bizet) (E531).
 Piano—Wilhelm Backhaus, "Bohemian Dance" (Smetana) (DB1130).
 6.13: Tacet.
 6.15: Band—Creatore's Band, "Semiramide" (Rossini) (C1420).
 Orchestral—Philadelphia Symphony Orchestra, "Soldiers Changing the Guard" (Bizet) (B1618).
 Orchestral—Marek Weber and Orchestra, "Rustle of Spring" (C1630).
 6.28: Tacet.
 6.30: Orchestral—New Symphony Orchestra, "Nell Gwynn Dances," Nos. 1 and 2 (Edward German) (B2987).
 Orchestral—Philadelphia Symphony Orchestra, "March of the Smugglers" ("Carmen"—Bizet) (D1613).
 Piano—Wilhelm Backhaus, "Caprice Espagnole" (Moszkowski).
 6.44: Tacet.
 6.45: Orchestral—Marek Weber and Orchestra, "My Darling" Waltz (C1630) Band—National Military Band, "Flying Dutchman Overture" (A364).
 Orchestral—Philadelphia Symphony Orchestra, "Carmen" Entr'acte Act 1" (Bizet) (E531).
 6.58: Tacet.
 7.0: News session, market reports and sports results.
 8.0: Chimes. (Note: During the course of this programme there will be a relay of a sound film feature from the Majestic Theatre.)
 Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "Crown Diamonds" (Auber).
 Soprano—Miss Janet Stirling, "Batti Batti" from "Don Juan."
 Piano—Miss Edith Rait, "Scherzo in B Flat" (Chopin).
 Baritone—Mr. Wilbur Davies, "From Rushy Banks of Silver Nile."
 Selection—2YA Orchestra, "Carmen" (Bizet).
 Elocution—Mr. Lawrence Searle, "The Vow" (Sir Gilbert Parker).
 Tenor—Mr. Charles Edwards, "How Many Hired Servants," from "The Prodigal Son" (Sullivan).
 Wurlitzer organ—Jesse Crawford, "Indian Love Call" (Friml).
 Contralto—Miss Jessie Smith, "One Alone," from "Desert Song."
 Selection—2YA Orchestra, "Wildflower" (Youmans).
 Weather report and announcements.
 Soprano—Miss Janet Stirling, "Gavotte" from "Mignon" (Thomas).
 Band—Band of H.M. Coldstream Guards, "Florodora" Selection.
 Baritone—Mr. Wilbur Davies, "The Fishermen of England," from "Rebel Maid" (Montague Phillips).
 Selection—2YA Orchestra, "A Day in Paris" (arr. Finck).
 Humour—Mr. Lawrence Searle, "Toasts and Toasters" (Newman).
 Wurlitzer organ—Jesse Crawford, "Serenade" from "Student Prince."
 Contralto—Miss Jessie Smith, (a) "Eleanore," (b) "Baby Mine."
 Tenor—Mr. Charles Edwards, "One Flower Grows Alone in Your Garden" (Romberg).
 Duet—Winnie Melville and Derek Oldham, (a) "The Swing Song," (b) "Trot Here and There," from "Veronique" (Messager).
 Valse—2YA Orchestra, "Valse Ballet" (Granier).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, SEPTEMBER 19.

- 3.0: Afternoon session.
 4.25: Close down.
 5.0: Children's hour, "Chuckie."
 6.0: Dinner session, "H.M.V." hour.
 Overture—National Symphony Orchestra, "Light Cavalry" (Suppe).
 Waltz—Chicago Symphony Orchestra, "Roses of the South" (Strauss).
 'Cello—Pablo Casals, "Moment Musical" (Schubert) (DA776).
 6.13: Tacet.
 6.15: Hawaiian—Hilo Hawaiian Orchestra, (a) "Kawaihau Waltz" (Keala-kai); (b) "My Hula Love" (B2799).
 Medley waltz—The Troubadours, "Popular Songs of Yesterday."
 'Cello—Pablo Casals, "Le Cygne" (Saint-Saens) (DA776).
 6.27: Tacet.

- 6.30: Waltzes—International Concert Orchestra, (a) "The Merry Widow" (Lehar); (b) "Luxembourg Waltz" (Lehar) (Zono. EF9).
 Violin and guitar—Guilietta Morino, (a) "Harlequin's Serenade" (Drigo); (b) "Could I?" (Poggis) (Zono. BE134).
 6.44: Tacet.
 6.45: Instrumental—New Light Symphony Orchestra, (a) "Dancing Doll" (Poldini); (b) "At Dawning" (Cadman) (B2629).
 Wurlitzer organ—Jesse Crawford, "Carolina Moon" (Davis) (BA536).
 Instrumental—Royal Orchestra, "The Sleeping Beauty."
 6.58: Tacet.
 7.0: News session.
 7.30: Fortnightly talk—Mr. D. Cossgrove, "Radio Service."
 8.0: Chimes.
 Overture—Marek Weber's Orchestra, "The Beggar Student."
 8.9: Popular song—Mr. Leslie Stewart, "Alice Ben Bolt" (Kneass).
 8.13: 'Cello—Mr. Harold Beck, "La Ciquantine" (Gabriel Marie).
 8.17: Male quartet—The Salon Group, "Jeannine I Dream of Lilac Time."
 8.21: Dance music—Bailey-Marston Dance Orchestra, (a) "Song of the Dawn" (Yellen); (b) "I Still Remember" (Tobias).
 8.27: Contralto—Miss Nellie Lowe, "Children Asleep" (Moire).
 8.30: Instrumental—Christchurch Trio, (a) "Dialogue" (Bachmann); (b) "Valse" (Godard).
 8.40: Baritone—Mr. A. G. Thompson, (a) "Slow Coach" (Bennett); (b) "The Rebel" (Wallace).
 8.44: Dance music—Bailey-Marston Dance Orchestra, (a) "For You" (Rommel); (b) "Leven-thirty Saturday Night" (Burnett).
 8.50: Contralto and baritone—The Dulcet Duo, "Barcarolla" (Gounod).
 8.53: Novelty—Syd. Howard, Vera Pearce and Company, "Our Village Concert" (H.M.V. C1782).
 9.1: Weather report and station notices.
 9.3: Dance music—Bailey-Marston Dance Orchestra, (a) "The Punch and Judy Show" (Black); (b) "Lover Come Back to Me" (Romberg).
 9.9: Popular songs—Mr. Leslie Stewart, (a) "When God Gave You to Me" (Nicholls); (b) "The Floral Dance" (Katie Moss).
 9.15: 'Cello—Mr. Harold Beck, "Rustic Dance" (Squire).
 9.18: Chorus—Light Opera Company, "Gems from Princess Flavia."
 9.23: Dance music—Bailey-Marston Dance Orchestra, (a) "Somebody Mighty Like You" (Ward); (b) "Pickin' Petals off of Daisies" (de Sylva).
 9.29: Contralto—Miss Nellie Lowe, (a) "In the Chimney Corner" (Cowan); (b) "The Lilac Cotton Gown" (Hill).
 9.34: Instrumental—Broadcasting Trio, (a) "The Old Refrain" (Kreisler); (b) "Serenade" (Chaminade); (c) "Hungarian Dance No. 2."
 9.44: Humour—Norman Long, "What Did the Village Blacksmith Say?"
 9.47: Baritone—Mr. A. G. Thompson, "Listenin'" (Wood).
 Contralto and baritone—The Dulcet Duo, "Awake" (Pellister).
 9.52: Dance music—Bailey-Marston Dance Orchestra, (a) "You, Just You" (Yoell); (b) "A Night of Happiness" (Conrad).
 9.58: Chorus—Light Opera Company, "Vocal Gems from Sunny" (Kern).
 Dance music by the Bailey-Marston Dance Orchestra will be continued until 11 p.m.
 God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, SEPTEMBER 19.

- 3.0: Chimes. Selected gramophone items.
 4.25: Sporting results.
 4.30: Close down.
 5.0: Chimes. Children's hour, conducted by "Aunt Sheila."
 6.0: Dinner music, "H.M.V." Hour:
 Orchestral—Berlin State Opera Orchestra, "Polonaise" (Liszt).
 Violin—Isolde Menges, "Nocturne in E Flat, Op. 9, No. 2" (Chopin).
 6.13: Tacet.
 6.15: Band—H.M. Coldstream Guards, "La Lillie de Madame Angot" (C1370).
 Piano—Mark Hambourg, "Rakoczy March" (Liszt) (C1439).
 Orchestral—John Barbirolli's Chamber Orchestra, "A Little Night Music, First Movement" (Mozart) (C1655).
 6.29: Tacet.
 6.30: Orchestral—John Barbirolli's Chamber Orchestra, "A Little Night Music, Second, Third, and Fourth Movements" (C1655-6).
 Piano—Mark Hambourg, "On Wings of Song" (Mendelssohn) (C1439).
 6.44: Tacet.
 6.45: Quartet—Virtuoso String Quartet, "Londonderry Air" (arr. Bridge).
 Violin—Isolde Menges, "Air on G String" (Bach) (C1288).
 Quartet—Virtuoso String Quartet, "The Emperor Quartet," Op. 76, No. 3 (Haydn) (C1470).
 6.58: Tacet.
 7.0: News session.
 8.0: Chimes. Overture—Menorah Symphony Orchestra, "Bar Kochba."
 8.9: Baritone—Mr. C. S. Hawes, (a) "Bedouin Love Song" (Pinsuti), (b) "To a Miniature" (Brahe).
 8.16: Violin—Yelly D'Aranyi, "Bagatelle in D" (Gatty) (Col. 01622).
 8.20: Recital—Miss E. Newbold, "Our Lizzie Listens In" (Anon.).
 8.26: Instrumental—4YA Trio, "First Movement from Trio in B Flat."
 8.38: Soprano—Mrs. D. Carty, "Ave Maria" (Mascagni).
 8.42: Piano—Mrs. C. Drake, (a) "Wild Iago," (b) "Blurette" (MacDowell).
 8.47: Tenor—Mr. Ernest Drake, (a) "O, Mistress Mine" (Quilter), (b) "Fair House of Joy" (Quilter).
 8.50: Instrumental—4YA Trio, "Finale from Trio in E Flat" (Beethoven).
 8.58: Contralto—Miss Helen Roy, "To Music" (Schubert).
 9.1: Weather report.
 9.2: Tone poem—New Queen's Hall Orchestra, "Finlandia" (Sibelius).
 9.10: Baritone—Mr. C. S. Hawes, "The Two Grenadiers" (Schumann).

- 9.14: Cello—Mr. P. J. Palmer, "Allegro" (Saint-Saens).
 9.22: Recital—Miss E. Newbold, "I Don't Care" (Russell).
 9.26: Soprano—Mrs. D. Carty, (a) "The Harp That Once" (Moore), (b) "When Song is Sweet" (Sans Souci).
 9.33: Band—Royal Italian Band, "Marcia Reale" (Gabetti) (Col. 01182).
 9.37: Tenor—Mr. Ernest Drake, (a) "Song Above the Roof" (Williams), (b) "Sigh No More, Ladies" (Aitken).
 9.43: Instrumental—AYA Trio, (a) "A Lament" (Kennet), (b) "Polonaise" (Chopin).
 9.53: Contralto—Miss Helen Roy, (a) "Ships of Arcady" (Head), (b) "Slumber, Dear Maid" (Handel).
 9.59: Orchestra—Columbia Symphony Orchestra, "Bridal Procession" (Col.).
 10.3: God save the King.

Saturday, September 20

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, SEPTEMBER 20.

- 2.45 (approx.): Relay of Rugby football match from Eden Park.
 4.30: Close down.
 5.0: Children's session, conducted by "Cinderella."
 6.0: Dinner session—"Parlophone" Hour:
 Waltz—Dajos Bela Orchestra, (a) "Sulamith" (Hansen-Milde), (b) "Mignonette" (Nicholls) (E10571).
 Instrumental—Dajos Bela Orchestra, "Eldgaffeln" (Landen) (A4009).
 6.12: Tacet.
 6.15: Instrumental—Frank Westfield's Orchestra, "Classica" (arr. Tilsley).
 Organ—Sigmund Krumgold, "Indian Love Call" (Friml) (A2389).
 Waltz—Dajos Bela Orchestra, "You, You Only" (Arnold) (E10592).
 6.27: Tacet.
 6.30: Selection—Raie Da Costa Ensemble, "Funny Face" (Gershwin).
 Waltz—Dajos Bela Orchestra, "The Sphinx" (Poppy) (E10592).
 6.42: Tacet.
 6.45: Instrumental—Orchestra Mascotte, (a) "The Flowers' Dream" (Translatur), (b) "Whispering of the Flowers" (Von Blon) (A2559).
 Organ—Sigmund Krumgold, "Gipsy Love Song" (Herbert) (A2339).
 Instrumental—Dajos Bela Orchestra, "Electric Girl" (Helmsburgh-Holmes) (A4009).
 6.58: Tacet.
 7.0: News and market reports.
 8.0: Chimes. Relay of Municipal Band concert from the Auckland Town Hall.
 10.0 (approx.): Programme of dance music, "Brunswick" Hour:
 Foxtrot—Abe Lyman and His California Orchestra, "Another Night."
 Foxtrot—Meyer Davis's Hotel Astor Orchestra, "If I Had My Way."
 Foxtrot—Abe Lyman and His Californian Orchestra, "I'm Only Making Believe" (Davis-Coots) (4555).
 Foxtrot—Chic Scoggin and His Pla-Mor Orchestra, "If I Could Write a Song" (Fulcher) (4654).
 Waltz—Meyer Davis's Hotel Astor Orchestra, "There Must Be Somebody Waiting for Me" (Donaldson) (4603).
 10.15: Foxtrot—Jesse Crawford and His Orchestra, "The Prep Step."
 Foxtrot—Irving Mills and His Hotsy Totsy Gang, "Manhattan Rag."
 Foxtrot—Jesse Stafford and His Orchestra, "My Sweetest Than Sweet."
 Vocal—Chester Gaylord, "Dance Away the Night" (4582).
 Foxtrot—Irving Mills and His Hotsy Totsy Gang, "What Kind of a Man is You?" (Carmichael) (4641).
 Foxtrot—Tom Gerun and His Orchestra, "One Sweet Kiss" (4521).
 Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "The End of the Lonesome Road" (Ruby-Perkins) (4552).
 Waltzes—Abe Lyman and His California Orchestra:
 "If I'm Dreaming" (Dubin-Burke) (4637).
 "The Shepherd's Serenade" (Grey-Stothart) (4633).
 10.42: Vocal—Chester Gaylord, "Just You, Just Me" (Klages-Greer) (4582).
 Foxtrot—Tom Gerun and His Orchestra, "Some Day Soon" (4521).
 Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Scotchie" (White) (4552).
 Foxtrots—Abe Lyman and His California Orchestra, "Sally" (4657);
 "If He Cared" (Grey-Stothart) (4633).
 Foxtrot—Chic Scoggin and His Pla-Mor Orchestra, "She Chills Me."
 11.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, SEPTEMBER 20.

- 3.0: Relay description of Football Match played at Athletic Park.
 5.0: Children's session conducted by Uncle Toby.
 6.0: Dinner music session, "H.M.V." hour:
 Orchestral—Piccadilly Orchestra, (a) "My Beloved Gondolier" (Tibor), (b) "Souvenir De Capri" (Bece) (B2575).
 Instrumental—New Light Symphony Orchestra, "Just a Memory."
 Violin and Cinema Organ—Elsie Southgate, "I Hear You Calling Me."
 6.12: Tacet.
 6.15: Waltzes—Marek Weber's Orchestra, "Potpourri of Waltzes."
 Waltz—Hilo Hawaiian Orchestra, "Sweet Hawaiian Dream Girl."
 6.26: Tacet.
 6.30: Instrumental—New Light Symphony Orchestra, "Scene De Ballet Marionettes" (Glazounov) (B2754).
 Violin and cinema organ—Elsie Southgate, "Rose in the Bud."
 Instrumental—New Light Symphony Orchestra, "Persiflage."

Instrumental—Jack Hylton's Orchestra, "When the White Elder Tree Blooms Again" (Doelle) (C1616).

- 6.44: Tacet.
 6.45: Instrumental—Salon Orchestra, "My Blue Heaven" (Whiting).
 Waltz—Hilo Hawaiian Orchestra, "Sleepy Honolulu Town" (Earl).
 Instrumental—Jack Hylton's Orchestra, "I Kiss Your Hand, Madame."
 6.56: Tacet.
 7.0: News session, market reports and sports results.
 7.40: Lecture—Miss M. Ellis, M.A. Lecturer in History Victoria University College, a W.E.A. Lecture, "Early Voyages Around New Zealand."
 8.0: Chimes.
 Relay from the Concert Chamber, Town Hall, of the Wellington Apollo Singers' First Concert of the 1930-31 season.—(Conductor, Mr. H. Temple White.
 The Choir, (a) "Hymn to Appolo," from "Ulysse" (Gounod); (b) "Sylvia" (Oley Speaks); (c) "To Thee, Great Lord," from "Moses in Egypt" (Rossini).
 Piano solos—Mr. Ernest Jenner, A.R.A.M., (a) "My Believing Heart Rejoice, Sing, and Make Merry" (J. S. Bach—arr. Walter Rummel); (b) "Berceuse" Op. 11, No. 1 (Liapounov).
 Soprano solo—Miss Myra Sawyer, "Shadow Song," from "Dinorah."
 The Choir, (a) "Now is the Month of Maying" (Old English) (Morley); (b) "Queen of the Silent Night" (Gerard Cobb); (c) "Much Ado About Nothing" (Robinson).
 From the studio: Weather reports and announcements.
 Overture—Berlin State Opera Orchestra, "The Mastersingers."
 Relay from Concert Chamber, Town Hall:
 The Choir, (a) "Drake's Drum" (Coleridge-Taylor); (b) "In a Gondola" (Linders); (c) "The Wood Chuck" (Linders).
 Piano solo—Mr. Ernest Jenner, A.R.A.M., "Jeux d'Eau" (Ravel).
 Soprano solo—Miss Myra Sawyer, "Adrift," from "Songs of the Chinese" (Granville-Bantock).
 The Choir, (a) "Music When Soft Voices Die" (Ward-Casey); (b) "The Soldier's Farewell" (Kinkel); (c) "Concert Waltz."
 10.0 (approx.): Dance programme—"Brunswick."
 Foxtrot—Red Nicholls and His Five Pennies, "I May Be Wrong."
 Foxtrot—Bob Haring and His Orchestra, "How Am I To Know."
 Foxtrot—Irving Mills and His Hotsy Totsy Gang, "Can't We Get Together?" (Razaf) (4482).
 Foxtrot—Ben Bernice and His Hotel Roosevelt Orchestra, "Bottoms Up" (Friend; White) (4516).
 10.12: Vocal—Chester Gaylord, "Sing a Little Love Song" (Conrad, Gottler).
 Foxtrot—Colonial Club Orchestra, "When You're Counting the Stars Alone" (Russell-Rose) (4517).
 Foxtrot—Ray Miller and His Orchestra, "Moonlight and Roses."
 Foxtrot—Irving Mills and His Hotsy Totsy Gang, "Sweet Savannah Sue" (Razaf) (4482).
 Waltz—Carter's Orchestra, "On Miami Shore" (Le Baron) (4471).
 10.27: Male Duet—Billy Murray and Walter Scanlan, "The Whoopie Hat Brigade" (Siegel-Jaffe) (4513).
 Foxtrot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "If I Had a Talking Picture of You" (de Sylva) (4501).
 Foxtrot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Doin' the Boom Boom" (Gottler) (4502).
 Foxtrot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Sunnyside Up" (de Sylva) (4501).
 Foxtrot—Dan Russo and His Oriole Orchestra, "Because You Said 'I Love You'" (Sanders) (4502).
 Waltz—Carter's Orchestra, "A Little Love, a Little Kiss" (Ross).
 10.45: Male duet—Billy Murray and Walter Scanlan, "Last Night Honey."
 Foxtrot—Red Nicholls and His Five Pennies, "The New Yorkers."
 Foxtrot—Colonial Club Orchestra, "The Boomerang" (Rose) (4517).
 Foxtrot—Ben Bernice and His Hotel Roosevelt Orchestra, "Bigger and Better Than Ever" (Friend) (4516).
 Waltz—Roy Fox and His Montmartre Orchestra, "I've Waited a Lifetime For You" (Goodwin) (4495).
 11.0: Sporting summary.
 11.10: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, SEPT. 20.

- 3.0: Afternoon session gramophone recital.
 4.25: Sports results.
 4.30: Close down.
 5.0: Children's hour, conducted by Aunt Pat and Birdman.
 6.0: Dinner session—"Columbia" Hour.
 March—H.M. Grenadier Guards, "Martial Moments" (arrgd. Winter).
 Waltz—Eddie Thomas' Collegians, "Missouri Waltz" (Logan) (02553).
 6.12: Tacet.
 6.15: Violin and Wurlitzer organ—Marrnello, "Evening in the Desert."
 Hawaiian—South Sea Islanders, "Dreamy Hilo Bay" (Heagney).
 March—Columbia Symphony Orchestra, "March of the Toys."
 Piano solo—Percy Grainger, "Molly on the Shore" (Grainger).
 6.26: Tacet.
 6.30: Waltz—Eddie Thomas' Collegians, "Till We Meet Again" (Whiting).
 Waltz—Eddie Thomas' Collegians, "Beautiful Ohio" (Earl) (02651).
 Piccolo duet—Jean and Pierre Gennin, "Rippling Streams" (Gennin).
 6.41: Tacet.
 6.45: Violin and organ—Marrnello, "Once" (Saunders) (Regal G20420).
 Xylophone—W. W. Bennett, "Gee Whiz" (Byron) (02575).

- Hawaiian—South Sea Islanders, "Lei Lani" (Heagney) (01162).
 Instrumental—Denza Dance Band, "In the Shadows" (Finck).
 6.58: Tacet.
 7.0: News session.
 7.30: Sports results.
 8.0: Chimes.
 Overture—Paul Whitman and His Orchestra, "Rhapsody in Blue."
 8.9: Popular song—Mr. E. A. Dowell, "Gipsy Love Song" from "Fortune Teller" (Smith).
 8.13: Violin—Miss Irene Morris, "Boat Song" (Ware).
 8.16: Chorus—The Salon Group, "Sonny Boy" (Henderson) (H.M.V. EB35).
 8.20: Steel Guitars and Ukulele—Miss Elaine Moody's Hawaiian Trio, (a) "Under a Texas Moon" (Perkins), (b) "Lazy Louisiana Moon" (Donaldson), (c) "When the Real Thing Comes Your Way" (with vocal refrains by Elaine Moody) (Speirs-Coslow).
 8.29: Mezzo-contralto—Miss Kathleen Johns, (a) "Little Irish Rose" (Zamenek), (b) "Keep the Sun in Your Heart" (Hedley and Acres).
 8.36: Instrumental—Broadcasting Trio, "Trio No. 1" (Bohm).
 8.46: Humour in song and story—Mr. Jock Lockhart, introducing: "Love Limited" (Weston Lee).
 8.52: Organ—Sidney Custard, "Cuckoo" (Jonasson) (H.M.V. EA690).
 8.55: Baritone—Mr. Arthur Couch, "Mountain Lovers" (Squire).
 8.59: Saxophone—Rudy Wiedoeft, "Rubenola" (Wiedoeft-Frey).
 9.2: Weather report and station notices.
 9.4: Orchestral—International Concert Orchestra, "My Treasure."
 9.8: Popular songs—Mr. E. A. Dowell, (a) "You'd Rather Forget Than Forgive Me" (Johnson and Davis), (b) "I'm Looking For a Girl Named Mary" (Stept).
 9.14: Violin—Miss Irene Morris, "Poeme" (Fibich).
 9.17: Chorus—California Humming Birds, "She's a Great Great Girl."
 9.20: Steel Guitars and Ukulele—Miss Elaine Moody's Hawaiian Trio, (a) "Lament" (Steel Guitar solo by Miss Moody) (M.S.), (b) "Hawaiian Love Bird" (Donniker-Royst), (c) "Truthful Parson Brown."
 9.29: Mezzo-contralto—Miss Kathleen Johns, "Dream Avenue."
 9.32: Instrumental—Christchurch Broadcasting Trio, (a) "Spring Song" (Mendelssohn), (b) "Softly Awakes My Heart" (St. Saens), (c) "Three Fours Valse" (Coleridge-Taylor).
 9.42: Humour in song and story—Mr. Jock Lockhart, introducing: "Bow-Wow-Wow" (Low).
 9.49: Accordion—P. Frosini, "Silver Moon" (Frosini) (H.M.V. EE129).
 9.52: Baritone—Mr. Arthur Couch, (a) "The Dream Tryst" (K. Russell); (b) "Why Shouldn't I?" (Squire).
 9.58: Orchestral—International Concert Orchestra, "Luxembourg Waltz." Dance music until 11 p.m. "Brunswick" hour.
 10.0: Foxtrot—Tom Gerunovich and His Roof Garden Orchestra, "Am I Blue?" (Clarke-Akst) (4429).
 Foxtrot—Carl Fenton and His Orchestra, "Laughing Marionette."
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "Twas Not So Long Ago" (Hammerstein 2nd Kern) (4614).
 Foxtrot—Ray Miller and His Orchestra, "That's Where You Come In."
 10.12: Foxtrot—Roy Ingraham and His Orchestra, "Like a Breath of Springtime" (Dublin-Burke) (4544).
 Foxtrot—Carl Fenton and His Orchestra, "Sweetness."
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "Don't Ever Leave Me" (Hammerstein-Kern) (4614).
 Foxtrot—Roy Ingraham and His Orchestra, "Deep in the Arms of Love" (Davis-Ingraham) (4544).
 Vocal—Charles King, "Happy Days Are Here Again."
 10.27: Foxtrot—Roger Wolfe and His Orchestra, "Why Was I Born."
 Foxtrot—Ray Miller and His Orchestra, "In a Kitchenette."
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "Here Am I!"
 Foxtrot—Ray Miller and His Orchestra, "Ain't You Baby?"
 Foxtrot—Tom Gerunovich and His Orchestra, "Let Me Have My Dreams" (Clarke-Akst) (4429).
 Waltz—Jesse Stafford and His Orchestra, "A Bundle of Old Love Letters" (Freed-Brown) (4659).
 10.45: Vocal—June Pursell, "Never Say Die" (Robin-Chase) (4635).
 Foxtrot—Jesse Stafford and His Orchestra, "Only Love is Real."
 Vocal—June Pursell, "The Album of My Dreams" (Davis-Arlen).
 Foxtrot—Jesse Stafford and His Orchestra, "Should I?"
 Foxtrot—Henry Lange and His Baker Hotel Orchestra, "Somebody Loves Me" (MacDonald-de Sylva-Gershwyn) (4478).
 11.0: God save the King.
- 4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, SEPTEMBER 20.
- 6.0: Chimes. Selected gramophone items.
 6.25: Sporting results.
 6.30: Close down.
 6.0: Chimes. Children's hour, conducted by "Aunt Anita":
 6.0: Dinner music—"H.M.V." Hour
 Orchestral—Boston Symphony Orchestra, "Frühlingstimmen" (EO11)
 Organ—Jesse Crawford, "Serenade" (Romberg) (EA638).
 Band—National Military Band, "Ben Hur" (Byng) (A365).
 6.12: Tacet.
 6.15: Orchestral—Vienna Philharmonic, "Dorfschwalben" (Strauss).
 Violin—David Wise, "Canzonetta" (D'Ambrosio) (Zonophone 5420).
 Orchestral—Jack Hylton and His Orchestra, "Steppin' Out" (B5727).
 6.29: Tacet.
 6.30: Orchestral—New Mayfair Orchestra, "Wake Up and Dream" (C1660).
 Organ—Jesse Crawford, "Indian Love Call" (Prini) (EA638).
 Orchestral—International Novelty Orchestra, "To Die Dreaming."
 Orchestral—International Novelty Orchestra, "Four Little Farms."
- 6.43: Tacet.
 6.45: Orchestral—Jack Hylton and His Orchestra, "Old-Time Song."
 Violin—David Wise, "Cavalleria Rusticana" (Mascagni) (Zono. 5420).
 Orchestral—Jack Hylton and His Orchestra, "Lonesome Little Doll."
 6.59: Tacet.
 7.0: News session.
 8.0: Relay of vaudeville programme from 3YA, Christchurch.
 10.0: Dance session, "H.M.V." Hour:
 Foxtrot—Waring's Pennsylvanians, "Won't You Tell Me, Hon?"
 Foxtrot—Rio Grande Band, "Dites Moi Ma Mere" (Yvain) (B5701).
 10.12: Vocal—Maurice Elwin, "I've Never Seen a Smile Like Yours" (Zono).
 Foxtrot—Irving Aaronson and His Mommanders, "Outside" (Flynn).
 Foxtrot—George Olsen and His Music, "I'm in Seventh Heaven."
 Foxtrots—Rudy Vallee and His Connecticut Yankees:
 "Me Queres?" (Vallee) (EA620).
 "You Want Lovin'" (Osterman) (EA649).
 Waltz—Nat Shilkret and His Orchestra—"Let Me Have My Dreams."
 10.30: Humorous duet—Dora Maughan and Walter Fehl, "A Woman Who Knows" (Ruskin) (B3011).
 Foxtrot—George Olsen and His Music, "Little Pal" (De Sylva).
 Foxtrot—Jack Hylton and His Orchestra, "Everybody Loves You."
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "Lonely Trobadour" (Klenner) (EA649).
 Foxtrot—Nat Shilkret and His Orchestra, "Am I Blue?" (EA627).
 10.45: Vocal—Paul Oliver, "Evangeline" (Rose, Jolson) (Zono. EE172).
 Foxtrot—Jack Hylton and His Orchestra, "Don't Hold Everything."
 Foxtrots—Rudy Vallee and His Connecticut Yankees:
 "Perhaps" (Razaf) (EA629).
 "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.
- 1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, SEPTEMBER 21.
- 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 Bert."
 6.55: Relay of Divine Service from Church of Christ (Preacher, Pastor W. Campbell).
 8.30 p.m. (approx.):
 Instrumental trio—Studio Trio, (a) "Rhondo," from Trio in G Major (Haydn); (b) "Minuet in G" (Beethoven).
 Baritone—Mr. Rex Harrison, (a) "Abide With Me" (Liddle); (b) "God is Our Refuge" (Stevens).
 Instrumental trio—Studio Trio, (a) "Polonaise in A" (Chopin); (b) "Chanson Triste" (Tschalkowsky); (c) "Cavatina" (Raff).
 Baritone—Mr. Rex Harrison, (a) "How's My Boy?" (Homer); (b) "To be Near My Beloved" (Cadman); (c) "The Moon Drops Low" (Cadman).
 Instrumental trio—Studio Trio, (a) "Playera" (Granados); (b) "The Rosary" (Nevin); (c) "Vivace" (Raff).
 Baritone—Mr. Rex Harrison, (a) "Spirit Song—Hark, What I Tell to Thee" (Haydn); (b) "It is Enough"—"Eljah" (Mendelssohn).
 Instrumental trio—Studio Trio, (a) "Andane" from Trio in G Major (Haydn); (b) "Nina" (Pergolesi, arr. Kreisler).
 Orchestral—Vienna Philharmonic Orchestra, "Hungarian Dance No. 3" (H.M.V., B3145, Brahms).
 9.30: God Save the King.
- 2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, SEPTEMBER 21.
- 3.0 to 4.30: Afternoon session of selected gramophone records.
 6.0: Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from the Cambridge Terrace Congregational Church.
 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 of the Band Recital of the Wellington Municipal Tramways Band from St. James Theatre (Conductor, Mr. E. Franklin).
- 3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, SEPTEMBER 21.
- 3.0: Afternoon session, gramophone recital.
 4.30: Close down.
 5.30: Children's Song Service by children from Anglican Sunday Schools.
 6.15: Musical recordings from Studio.
 7.0: Relay of Evening Service from Christchurch Anglican Cathedral. Preacher: His Grace Archbishop Julius. Organist and Choirmaster: Dr. J. C. Bradshaw.
 8.15 (approx.): Relay of programme from 4YA Dunedin.
 God save the King.
- 4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, SEPTEMBER 21.
- 3.0: Chimes. Selected gramophone items.
 4.30: Close down.

- 5.30: Children's Song Service from Salvation Army Citadel. Preacher—Captain Chandler. Conductor of Band: Mr. A. W. Millard.
- 8.15: Studio Concert by Kaikorai Band under conductorship of Mr. Thos. J. Kirk-Burnand.
- March—The Band, "New Zealanders" (Lithgow).
- Serenade—The Band, "In This Hour of Softened Splendour."
- 8.25: Soprano—Miss Lettie de Clifford, "There is a Green Hill Far Away."
- 8.29: Negro Spiritual—Fisk Jubilee Singers, "Ezekiel Saw De Wheel."
- 8.33: Selection—The Band, "Ten Minutes with German Grand Opera."
- Entr'acte—The Band, "Slumber Song" (Squire).
- 8.50: Baritone—Mr. Arthur W. Alloo, (a) "The Lord is My Light" (Allitsen), (b) "Litany" (Schubert).
- 8.57: Squire Celeste Octet, "A Vision of Christmas" (Harrison).
- 9.3: Weather report.
- 9.5: Soprano—Miss Lettie de Clifford, (a) "The Holy Child" (Martin), (b) "The Legende" (Tschalkowsky).
- 9.11: Selection—The Band, "Ballad in G Minor" (Kirk-Burnand).
- 9.20: Negro Spiritual—Fisk Jubilee Singers, "Little David" (Trdtl.).
- 9.24: Baritone—Mr. Arthur W. Alloo, "Nazareth" (Gounod).
- 9.27: Gloria—The Band, "Gloria From 12th Mass" (Mozart).
- Hymn—The Band, "The Day Thou Gavest, Lord, is Ended" (Dykes).
- 9.33: God save the King.

Programme Features

(Continued from page 11.)

7.30. Music by the Bailey-Marston Dance Orchestra will be broadcast this evening. Dances will intersperse the concert programme, and from 9.50 the orchestra will provide a complete session of dance music till 11 p.m. Contributing to the concert session will be the Dulcet Duo. (Miss Nellie Lowe and Mr. A. G. Thompson) singing solos and duets. Popular songs by Mr. Leslie Stewart will include the old favourite "Ben Bolt," immortalised by Svengali in "Trilby," "When God Gave You to Me," and "The Floral Dance." A cello solo, "Rustic Dance," will be played by Mr. Harold Beck, and selections from Bachmann, Godard, Kreisler, Chaminade, and Brahms will be played by the Christchurch Broadcasting Trio.

4YA Notes.

THE vocalists will be Mrs. D. Carty (singing the popular airs, Mascagni's "Ave Maria," "The Harp that Once" and "When Song is Sweet"), Miss Helen Roy (whose numbers will be "To Music," "Ships of Arcady," and "Slumber, Dear Maid"), Mr. Ernest Drake, the popular tenor, and Mr. C. S. Hawes, baritone. Miss E. Newbold will give two recitations, there will be a cello solo by Mr. P. J. Palmer, and piano solos by Mrs. C. Drake. The 4YA Trio will present selections from Schubert and Beethoven, "A Lament" (by Kennet), and Chopin's "Polonaise."

SATURDAY

Selections from 1YA.

THE evening concert will consist of a relay of the Municipal Band concert in the Auckland Town Hall. The programme will continue with dance music until 11 p.m.

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From Wellington. Apollo Singers

THE final football description will be broadcast this afternoon at 2 o'clock by Mr. Chas. Lamberg. A W.E.A. lecturette will be given this evening at 7.40 by Miss M. Ellis, M.A., Lecturer in History at Victoria University College, the subject being "Early Voyages Around New Zealand." An excellent programme has been arranged for the evening concert session, the occasion being the first appearance of the newly-formed Apollo Singers. This combination of male singers will perform under the conductorship of Mr. H. Temple White, and will be assisted by Miss Myra Sawyer (soprano) and Mr. Ernest Jenner, A.R.A.M. (solo pianist).

The choral items will include "Hymn to Apollo," from "Ulysses," "To Thee, Great Lord," from "Moses in Egypt," the Old English madrigal, "Now is the Month of Maying," Coleridge-Taylor's "Drake's Drum," the popular "Soldiers Farewell," and Dudley Buck's "Concert Waltz." Miss Myra Sawyer's items will be "The Shadow Song," from the opera "Dinorah," and a number from Granville-Bantock's song cycle "Songs of the Chinese."

Mr. Ernest Jenner, A.R.A.M., will play "My Believing Heart Rejoice, Sing, and Make Merry," by Bach, arranged by Rummel, Liapounov's "Berceuse," Op. 11, No. 1, and "Jeux d'eau," by Ravel. At the conclusion of the relay a dance programme will be given from the studio, and at 11 o'clock a summary of the day's sporting events will be given.

Gleaned from 3YA'S Programme.

VARIETY will mark the programme to be broadcast from 3YA (and also broadcast on relay by 4YA). Miss Kathleen Johns and Mr. E. A. Dowell will sing popular songs. Baritone solos by Mr. Arthur Couch will comprise "Mountain Lovers," "The Dream Tryst," and "Why Shouldn't I?" Mr. Jock Lockhart will provide humour in song and story. Miss Elaine Moody's Hawaiian Trio, always welcomed by listeners, will contribute steel guitar and ukulele items, with vocal refrain by Miss Moody. Selections to be played by the Christchurch Broadcasting Trio will include numbers by Mendelssohn, Saint Saens, Coleridge Taylor and Bohm. Miss Irene Morris, violinist, will play Ware's "Boat Song." The programme will be relayed to 4YA.

Australian Programmes

(Times corrected for New Zealand.)

Thursday, September 11.

STATION 2FC.—9.30 p.m., 10.16 p.m., and 11.30 p.m.: The A.B.C. Orchestra will present selections. 9.37 p.m. and 10.4 p.m.: Enid Conley, pianist, and Clement Q. Williams, baritone, in short recitals of Russian compositions. 9.49 p.m. and 10.23 p.m.: Muriel O'Malley, contralto. 10.35 p.m.: Arthur Greenaway presents excerpts from "Romeo and Juliet."

2BL.—9.30 p.m.: Band music and community singing from the Ashfield Town Hall. Assisting artists are Alex. Whitson, baritone; Fred Bluett, comedian; and Harry Foster, the seven-year-old boy soprano.

3AR.—9.45 p.m.: Special studio reproductions, annotated by Mr. Lindsay Biggins, Mus. Bac., including "Symphony in F Major, No. 6" (Pastorale), (Beethoven), played by the Vienna Philharmonic Orchestra.

Friday, September 12.

STATION 2FC.—9.30 p.m. and 10.4 p.m.: "The Wandering Troubadours" will entertain. 9.37 p.m. and 9.57 p.m.: John Warren, tenor. 9.44 p.m. and 10.35 p.m.: Wally Baynes, comedian. 9.54 p.m. and 10.26 p.m.: Josef Kaartinen, saxophonist. 10.45 p.m. and 11.39 p.m.: Relay from 3LO, Melbourne, of selections by the Collingwood Citizens' Band. 11.2 p.m.: A pianoforte recital of "Bird Call" impressions. 11.12 p.m.: "The Favourite Five" will entertain. 11.27 p.m.: "Pierrot and Pierrette" present piano and saxophone duets.

2BL.—9.30 p.m. and 10.10 p.m.: Aussie Reka, soprano. 9.37 p.m. and 10.17 p.m.: Carl Morris, in classical pianoforte selections. 9.49 p.m. and 10.28 p.m.: Oliver King, basso. 9.56 p.m.: The A.B.C. Orchestra present the "Ruy Blas" overture (Mendelssohn). 10.3 p.m.: Mayne Lynton, elocutionist. 10.35 p.m.: "Magic Cargoes" a play to be presented. 11.25 p.m.: A recital of Maori songs and of the celebrated compositions of Alfred Hill—"Waiaata Poi" and "Waiaata Maori." The recital will include "Takoto Mai Raukura," "Tawhaki," "A Poi Dance," "Waiaata Poi" (Alfred Hill), "Titi Toreia" and "Huri Huri," "Pokarekare," "Waiaata Maori" (Alfred Hill), "Waikato."

3LO.—9.30 p.m.: Transmission from St. Paul's Cathedral of an organ recital by Dr. A. E. Boyd: (a) "Organ Concerto in B Flat" (Handel), (b) "Larghetto in D" (Mozart), (c) "Sketch in C Minor" (Schumann). 9.50 p.m.: "The Life Story and Reminiscences of Gilbert and Sullivan" compiled by Fred Patey, with incidental music by the studio orchestra. 10.20 p.m., 10.45 p.m. and 11.39 p.m.: Selections by the Collingwood Citizens' Band. 10.30 p.m. and 11.12 p.m.: "The Favourite Five" present a new entertainment, "Quinologues." 11.55 p.m.: Mr. Baxter, manager, and Mr. Prentice, captain of the British Rugby team, will speak.

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

Saturday, September 13.

STATION 2FC.—9.30 p.m., 10.22 p.m., 10.54 p.m. and 11.22 p.m.: Selections by the Metropolitan Band. 9.40 p.m. and 10.35 p.m.: John Byrne, basso. 9.47 p.m. and 11.4 p.m.: Reg. Hawthorne, entertainer. 10.2 p.m. and 11.12 p.m.: Jack Lumsdaine, the "Radio Rascal," presents songs at the piano. 10.12 p.m. and 11.30 p.m.: Lucille Bruntell and partner in two short radio sketches: (a) "Geoffrey Wynyard's Wooing," (b) "Harmony in A Flat." 10.42 p.m.: Lionel Lawson, violinist.

2BL.—9.30 p.m. and 11.12 p.m.: "The Wikara Trio," in harmony numbers. 9.37 p.m.: Reg. Harrison, comedian. 9.45 p.m.: Carlos Facola, novelty pianist. 9.52 p.m. and 11.36 p.m.: Stella Ranger, popular vocalist. 10 p.m.: Description of boxing contest at Sydney Stadium. 11.3 p.m., 11.29 p.m. and 11.43 p.m.: The A.B.C. Dance Band.

3LO.—9.30 p.m.: "Captain Barty" a thrilling comedy-drama in three acts. 12.10 p.m. and 12.18 p.m.: The studio dance band.

3AR.—9.30 p.m.: Transmission from the Tivoli Theatre of a special vaudeville programme.

Sunday, September 14.

STATION 3LO.—9.30 p.m.: Transmission from the Plaza, St. Kilda, of a concert by Gustave Slapoffski and the Victorian Professional Orchestra. 11.30 p.m.: Relay from the State Theatre of Wurlitzer organ selections.

3AR.—8.30 p.m.: Divine service from St. Paul's Cathedral, Melbourne. 10 p.m.: A concert programme arranged by Professor Bernard Heinze. 11.10 p.m.: "The Pilgrim's Progress" (John Bunyan), specially arranged for broadcasting.

Monday, September 15.

STATION 3LO.—9.30 p.m.: "Under Neapolitan Skies,"—music and songs of Southern Italy, featuring Manzoni and his Neapolitan Orchestra, with Horace White, tenor. 10.30 p.m.: The Royal Victorian Liedertafel. 11 p.m.: "Smoke Concerts," by Pat Hanna.

3AR.—9.45 p.m., and at intervals throughout the evening: Selections by the Prahran City Band. 9.55 p.m. and 11.3 p.m.: Thomas George, baritone. 10.2 p.m. and 11.10 p.m.: Rene Esler will entertain. 10.22 p.m. and 10.56 p.m.: John Thomas and Sarah will provide a comedy interlude. 10.29 p.m. and 11.40 p.m.: Paula Mewkell and Leonore Young, harp, violin and voice.

Tuesday, September 16.

STATION 3LO.—9.30 p.m.: A.B.C. orchestral concert with Gustave Slapoffski and the Victorian Professional Orchestra. 12.10 p.m.: The A.B.C. Novelty Orchestra present popular dance numbers.

3AR.—9.30 p.m.: Transmission from the Tivoli Theatre of a vaudeville programme. 10.45 p.m., 11 p.m., 11.28 p.m., and 11.40 p.m.: The A.B.C. Novelty Orchestra. 10.52 p.m. and 11.21 p.m.: Jock Thompson, baritone. 11.6 p.m. and 11.35 p.m.: Phil Smith, comedian. 11.16 p.m.: Denis Hourigan, cellist.

Wednesday, September 17.

STATION 3LO.—9.30 p.m.: The Melbourne Repertory Company presents "Arms and the Man" (Bernard Shaw), a three-act play, with incidental music by the studio orchestra.

3AR.—9.45 p.m.: Relay of a concert programme by the Royal Victorian Institute for the Blind.

Identification Wanted

ON August 23, at 1.20 a.m., a station on 1300 kc. (231 metres), broadcasting "The Banks of the Wabash," and "The Sidewalks of New York." Two others heard, one on 1500 kc. (200 metres) and the other on 936 kc. (320 metres), I think were American, judging by the decided accent of the announcers. Three further stations on 720 kc. (416 metres), 800 kc. (375 metres), and 850 kc. (353 metres) were heard on 27th, but a howling set in our neighbourhood spoilt reception.—"Toc-Toq" (Wellington).

AT 8.10 p.m. on August 27 I heard someone calling: "Hullo, BIM, hope you are getting me now—calling." Call sign quite unreadable. Then apparently shouted: "1.30 p.m. to-morrow," repeated many times. The call sign was given several times, but was quite indistinct. Dial 6 (dial 0—100). 2ZI, Hastings, dials 12. Strength audible on L.S. across the room, but not very distinct. I tried at "1.30 p.m. to-morrow," but there was no sound; therefore I imagine it was an Australian amateur.—P.D.L.H. (Gisborne).

STATION operating on Palmerston's wavelength on August 27 at 6.30 p.m. Speech, song, and music were foreign, like Japanese. 2ZF came on the air after having trouble with the microphone, and completely drowned this stranger. Signals R4.—"Sky-lights" (Martinborough).

ON August 26 I heard what I took to be 5DA, Adelaide, but in one of the recent "Records" I noticed mention made of a station 5AD, Adelaide. The station I heard (5DA) was on a wavelength just above 2ZI, Hastings, 225 metres (1330 kc.). Is this station (5DA) the same as the one you mentioned?—K. A. Dixon (Hawke's Bay).

You probably heard 5KA, Adelaide, on 250 metres (1200 kc.). See list of Aus-

tralian stations published in last week's issue.—Ed.]

ON September 1 between 10 p.m. and 12.30 a.m. I heard a station operating on 1110 kc. (270 metres). Dance items were on most of the time and I heard the announcer say once that "Station K—," and static drowned the rest. Would this be KZKZ, Manila? On September 3 between 12 a.m. and 1.30 a.m. another station on 3LO's wavelength. This station was only heard after 3LO closed down.—"J.M.J." (Masterton).

ON 3/9/30 heard new Hobart station. 337 metres (890 k.c.), just a little before, close down. Items heard were "The Love Parade" and march "Colonel Bogey," then "God Save the King." R4-5.—"Gregg" (Dunedin).

SHORT-WAVE station picked up at midnight on August 30 in vicinity of 33 metres. Very clear, steady and full phone strength. A man announced in a foreign language. He said: "Hullo" several times, and then repeated a short foreign phrase about 20 times. Some more talking followed. Several military marches played by band with kettle-drums and flutes prominent. Prior to this what sounded like a national anthem was played. Then came bugle calls and drums, followed by a slow band piece. There was then a pause, but still no announcements. Then a choir sang what appeared to be two hymns. It was then about 12.45 Sunday morning, and I closed down.—"Query" (Te Awamutu).

THE D.X. CLUB

Views and News.

AMERICAN station heard 24/8/30 at 4.50 p.m. Position on dial (0—100), 36½ (2KY equals 38). Item by the Red Leads, "Coming Round the Mountain." Apparently a sort of sing-song was on, for there was an accompaniment of some sort of tin-canning to a previous item. The announcer asked "folks not to leave their loud-speakers yet." In announcing the above, "Coming Round the Mountain," he mentioned several names of persons present—Baxter, Burdett (and

An Old Identities Relay

AT 3 p.m. on September 22, 2YA will relay an "At Home" by the Wellington Early Settlers' and Historical Association to their Excellencies Lord and Lady Bleisloe. This will take place at the Conference Hall of the Dominion Farmers' Buildings.

two other names I failed to catch), from Winnipeg, Canada. Heard the announcer speak several times in about 20 minutes, but he gave no call-sign. Good strength on head phones. Later I logged two more Americans, one certainly not listed in the 1930 "Guide." KROW, Oakland, Cal. (not Richmond, as stated in a recent issue of the "Record"). Position on dial 51 (3UZ equals 52, 1YA equals 55). Items: Saturday Night Variety Hour, song by soprano, "Only a Rose," followed by an organ piece. Time, N.Z., 5.5 p.m. About 5.10 I logged a station with call heard distinctly as WGMR, playing dance music from some dance hall. Volume quite audible on loudspeaker. Announcer gave no locality, but his call twice. Dial 57 (mid-way between 1YA and 2BL). I have had WENR on same dial reading, but then he usually says: "The music is from the world's most beautiful ballroom." Can anyone tell me if there is a station WGMR, and its address? My set is a battery operated S.G., commercial 4.—P.L.D.H. (Gisborne).

ON August 26 I heard a boat calling 3LAM on about 232 metres (1290 k.c.) at 8.10 p.m. He gave his call as 3JAM, Melbourne, and also gave a list of the cargo they were carrying. This seemed to be chiefly poles and timber. Strength R3-5. I did not hear Melbourne calling. Also another station on 2UE's wavelength (approximately) which gave a call sounding like 6LM. I have a five-valve battery set and have logged 22 New Zealand, 24 Australian, six American, and nine Japanese, but have heard no calls from the latter.—J.L. (Westport).

COULD anyone give me any information re 4ZO, Dunedin? I heard him about 7.30 a.m. on August 9 on two numbers, "Romance" and "Polonaise." Strength about R6-7, wavelength 270-280 metres. Also, can anyone give me any information re a station heard about ten weeks ago giving a call-sign R895 and operating on 300-350-metre band? I have not heard him since. I logged an American on 31st at about 5.45 p.m., giving a call which sounded like KLXP, on about 285 metres (1050 k.c.). One vocalist's name was given as Tommy Burns. Three items heard were "Always, Always," "Three Sailor Boys," and "What Good am I Without You?" Strength about R5-6. Also another American somewhere in California heard at 11.50 p.m. on September 1 on about 280 metres

(1070 k.c.). Strength R3, static bad. He was playing gramophone records.—"Proton" (Gisborne).

SHORT-WAVE station on 24-50-metre band comes in at 68½ degrees, about 5 degrees below 2FC on the broadcast band. The announcer, usually a woman, is heard calling "Hullo, London." Occasionally a man speaks in English, but with a foreign accent. It is as strong as VK2ME and I receive them at the same time that 2ME is working GBF, i.e., from 5-7 p.m. They appear to be testing. Also a station between W3XAL and W9XF, about ½ to 1 degree below the latter.—F.B.P. (Gisborne).

WOULD "Amazon," "ZLDX," "Unconscious" and "Incubus" please inform me how many valves they are using in their sets? Also, could anyone give me the wavelengths of IZHI, KZRM, KGU, and KGMB? I have a seven-valve set and have just recently started DX-ing. So far I have logged about 60 stations. I have just received a verification card from 2IID, Newcastle. Their address is Airsales Broadcasting Co., Civic Centre, Hunter Street, Newcastle, Australia. — "Sandy" (Palmerston North).

STATION operating a point (on the lower dial) above 3UX, Melbourne. Practically every evening between 6 and 8 I can hear music very faintly above a pronounced hum. There are also two Japanese stations, one on 900 k.c. (333 metres) and the other on 970 k.c. (309 metres).—"Screen-grid" (Opunake).

STATION tuned in on July 4 at approximately 5.55 p.m. ½ degree above 2ZR, Wanganui. I was just in time to hear "This is station —." The latter part of the call sounded like BY, Santiago. He then proceeded with music call items. Strength was R1 at first and then faded right out between 6 and 6.5 p.m. I have had him since, but at no strength. I logged a second on August 23 at 6.55 p.m. on 34½ degrees (2ZF on 34) giving call K—, Hollywood. I logged him again on the 26th at 6.25 p.m. and held him until 6.55 p.m. at strength R1-3. Static was bad and all I heard was "Station —, Voice of Hollywood—dance—Burns." For the remainder of the time he was on dance music and songs. Also a Japanese on 60 (4RG on 61), and another on 54, where I receive 2ZP and KROW. I am using a seven-valve battery set, since starting DX work on June 3 this year I have logged 16 Americans, three Japanese and six Australians. I have had my set ten months and have a total of 54 stations, 12 of which I still have to identify.—B.H.B. (Masterton).

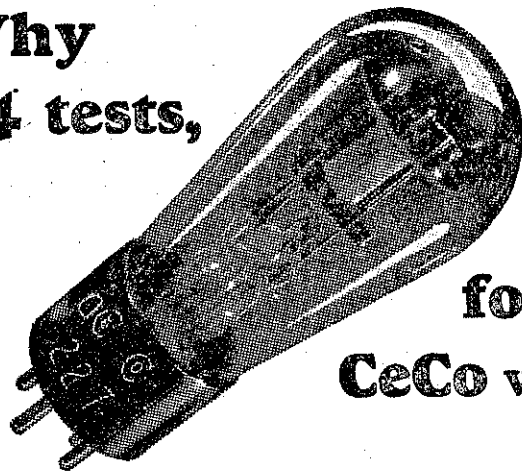
The "1930 Listeners' Guide and Call-Book" is still obtainable from the Te Aro Bookshop, Courtenay Place, Wellington. We would advise you to order as soon as possible, as stocks are very limited.—Ed.]

Stations Identified

A. McK. (Gore): The address of KGMB is "The Honolulu Broadcasting Co., Honolulu."—B.J.B. (Wai-pukurau).

"BOB" (Wellington): Station on 4ZL's wavelength is 1ZF Manurewa. I heard him testing about two weeks ago on Sunday at 11 a.m. Would "Kau-spanka" (Hawke's Bay) tell me the date and time he received Canada and Mexico, and what stations he heard? News from Mr. Fred Easter, Ohio, U.S.A., states that Station KDKA, Pittsburg, has applied for a permit to experiment with 400,000 watts on 306 metres, and if it is granted should be heard in New Zealand. Tests will be after midnight.—"Metre" (Huntly).

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G.2-Q.P.

"METRE" (Huntly): Station on 492 metres (610 kc.) is KFRG, San Francisco. **"H.F.A."** (Masterton): 4BC, Brisbane, is correct. Station officially opened on August 16, 1930. **"Gregg"** (Dunedin): Address of 2ZI is Arthur Simmonds, Ltd., radio specialists and merchants, Hastings. **"Kilocycle"** (Huntly).

IN my last letter I identified a station for M.B.S. (Palmerston North) as KZRM, Manilla. This appeared as KXRM. A. D. Rodgers, Wellington: 4BC, Brisbane, is on the air any night with children's, news, and musical sessions, and puts over very good programmes as also does 5AD, Adelaide. My log to date, all in the last three months, is 114 stations, comprising 41 Americans, 27 New Zealand, 7 Japs., 33 Australian, 2 Chinese, 2 Indian and 2 Honolulu. These were received on a seven-valve a.c., so C.E.W. (Feilding) will have to improve a little. **"Gregg"** (Dunedin): Call sounds like WOAI, but he operates on 1190 kc. (252 metres). **"Kauspanka"** (Hawke's Bay): I receive station VK2ME approximately once a week, on 3 degrees, single dial, but I always put it down as a harmonic of that station. I picked up on Sunday last ZL2AB, Otaki, in conversation with ZL2AX, Palmerston North.—J.P.C. (Palmerston North).

I HAVE now heard call of station on 200 metres (1500 kc.). It is KGER, Los Angeles, California.—"Excusable" (Millerton).

"BOB" (Wellington) is correct re 12M, Manurewa, 245.9 metres (1220 kc.) in last week's issue. He broadcasts records only, and these are always very clear. The station is only five miles away from me, and "Bob" does very well to pick such a small-powered station up as clear as he states. If there is anything further he would like to know I will do my best to tell him.—J.A.S. (Otahuhu).

"GREGG" (Dunedin): 4BC, Brisbane, was heard on August 15, when the announcer said the station was testing prior to the official opening at 6 p.m. on Saturday, 16th. He was operating on about 230 metres (1300 kc.). I understand this is a relay station, and listeners will get the call of the station they may be relaying.—E. T. Armstrong (Auckland).

J. M. McD. heard 2YB, New Plymouth. **Bob** (Wellington): The station on 640 kc. (468m.) is KFI, Los Angeles, California, and the station above 4QG is probably 5CL, Adelaide. **"Ajax"** (Waihi) heard 2ZH, Napier. **D.L.C.** (Hamilton) heard KFI, Los Angeles, California. **"Filter"** (Hawke's Bay): The call of the station on 1340 kc. (224 m.), is KGMB, Honolulu, Hawaii. The Australian B class have been coming in well here. I have heard 2XN, Lismore, 4BC, Brisbane, 5AD, Adelaide, 2HO, Newcastle, 2GB, 2UE, 2UW, 2KY, and 2HO, Hobart.—"Yankee" (New Plymouth).

S. W. (Lower Hutt).—The foreign station you heard was probably RV15, Siberia, on 70 metres, and the other might have been KIXR, Manila, on 48 metres. **D.L.C.** (Hamilton): The station below 3AR was probably KFI, Los Angeles. **Rover** (Ohakune Junction): The station talking to 2ME might have been ZLW, Wellington, though they usually transmit on 27.5 metres, near GBP's wavelength. **E. W. Anglesey** (Nelson): The stations were 2XM Lismore, 1340 kc. (224m.), and a new "B" class. **J.C.** (New Plymouth): HS4PJ, Siam, and HS2PJ, are on 37 and 29.5 metres respectively; the latter is only heard from 1 to 3 a.m., while the former is off the air at present. I heard a station two days in succession about two weeks ago, on 16.75 metres at 2.45 p.m. All that was heard was counting from 1 to 10, and the last letters of the alphabet. Have you logged this station, (J.O.)?—**"Metre"** (Huntly).

"MEDICO" (Hastings): During Royal Show week in Sydney, 2FC was broadcasting from Wirth Bros' circus, from 11.30 in the morning. One of the features of the programme was the goat races. Goats ridden by juvenile riders raced round the arena three times. After the races the jockeys, which the announcer proclaimed as "little sports," came up to shake hands with the winner. Could any DX'er supply me with the hours of broadcasting of 2ZI, Hastings? **"Wilcox"** (Timaru).

C. WEIR (Wellington): ZL2AX is an N.Z. amateur who tested on approx. 160 metres one morning. **"D.L.C."** (Hamilton): No doubt 12M. **"Rover"** Ohakune: Might be KIXR.—ZLDX (Palmerston North).

An Excellent Log.

I HAVE a commercial 3-valve s.g. set, and have logged the following stations:—15 New Zealand, 16 Australian, 10 American (excluding 2 or 3 I have not identified), and 3 Japanese. I cannot get the calls of the latter, but think they are JOKK, JQAK, and JOAK. On August 29 I picked up 5AD, Adelaide, and 4BC, Brisbane. The latter was apparently testing. 5AD was on dance music, and both were R5-6. I am shortly adding an amplifier to my set, so "Kauspanka" had better look to his laurels. My situation is fair, and is about a mile from the sea.—**"Proton"** (Gisborne).

Recent Loggings.

TWO stations coming in well at present are 2ZI, Hastings, and 2ZC, Wairoa. 2YB, New Plymouth, is transformed since

we have received six reports from Wellington, Masterton, Northland, Dunedin, Christchurch, and your town now. We have been reported from all over the U.S.A., the West Indies, and from Spain, France, and England in Old Europe. We are not proud of such records, but we do thank the Almighty for showing the world how a radio fan with 7½w. power can cover such tremendous distances, as clear as your own report.

NRH is a Continental station with fame, and we are transmitting just because we want to please; we have a large power outfit of 150 watts, but same has refused to work, and we are waiting some time to see if we can use it or not. Yes, the clock is our mascot, and I will appreciate very much any report of yours, besides of advising some of your friends or newspapers in Australia about this station to see if they can report also. During August and every day from that month till the last of the year we will transmit from 4 to 5 p.m. C.S.T., or 9.30 to 10.30 night time in your place. Please report and advise your radio newspapers—from August, on every day but Monday. Yours thankfully, **"Cespedes."**

Fourteen Stations on a Crystal Set!

I WAS very interested to read the par by E. W. Anglesey (Tadmor) about reception of 2FC on a crystal and two-stage amplifier, and I have often wondered if there are many listeners in New Zealand who get the Australians on an ordinary crystal with no amplifiers whatever. I was listening to 2FC last night on my crystal set (no amplifier), and I also heard 1YA, 2YA, 3YA, and 2BL. I have sent away to 2FC for verification. Last night was the first time I have heard 1YA. During the winter of 1928 when I was residing in Christchurch, my log for a crystal set was: Five New Zealand and nine Australians. My farthest DX on a crystal was 5CL Adelaide. I managed to hear the call of this station twice. There is no imagination about this reception, as I have friends who have heard them quite plainly. Early one evening about two months ago I was surprised to hear 2ME Sydney calling London when I tuned in to Wellington. Since then I have heard 2ME many times, and one night a friend listened and said he heard "Hello, London" called out at least five times. Other scraps of conversation such as "What number, please?" and "OK London," were also heard very plainly. I have heard local amateurs on the 80-metre band on the crystal set, but I didn't think it was possible to get anything so low as 2ME, who are supposed to be on 28.5 metres. Are there any other listeners who have heard them on a crystal set? By the way, when I get the Australians I can usually go from one to the other. This seems to disprove the theory that I get them from a neighbouring valve set. I am quite prepared to believe there are some listeners who have done better than I, and would like to hear from them through the DX columns. A crystal set certainly has a much greater range than 40 miles.—**"A.M."** (Dunedin).

Australia on a Crystal.

I SEE that a Nelson listener doubts the possibility of picking up Australian stations (direct) on a crystal and two (Concluded on page 29.)

Eavesdropping

SURELY a strange and awesome thing is this
That mortal man, thousands of leagues removed
O'er trackless sea and space, should dare to tap
The boundless ether, which conveys to Him,
The Lofly One who sits on Heaven's throne,
Prayers, diapasons and Te Deums of praise,
Raised as one voice, like mighty thunders roll:
Usurping thus God's high prerogative
And intercepting with irreverent ear
Spiritual communings betwixt God and man!
Surely a strange and bold, presumptuous thing!

—OLYMPUS.

I HAVE identified a station working on same wavelength as 3ZC, Christchurch, 250 metres (1200 kc.). It is 5KA, Adelaide. Possibly this is the station heard by "Bob" (Wellington), and L.H. (Mercer). Thanks, H. G. Smith (Huntly) for address.—**"Gregg"** (Dunedin).

DX Topics

Recent Verifications.

I HAVE just received verification from 4BC. This station is operated by Chandler's Broadcasting Service (c/o J. B. Chandler and Co.), 43 Adelaide Street, Brisbane; wavelength 233 metres (1290 kc.); power, 500 watts. I also have a card from VPIA, Suva. This station is operated by A.W.A. (Aust.), Ltd. The principal station at Suva is VPD. VPIA was testing for one week only and is unable to state when the next test will be. Have received 79 stations to date, using a 3-valve s.g. set, made in New Zealand. Of the above 79 stations, 27 are American (broadcast band only).—**"Screen Grid 3"** (Nelson).

Anirate Subscriber.

RE 2ME on broadcast band inquired about by "Incubu" (Waitaha), I heard him calling "Hulloh Norah" for about 20 minutes before he satisfied my horrible curiosity as to who "Norah" was, by telling her where to berth and refuel. Who is our friend exactly on Wanganui's wavelength, 594 kc. (505 metres) who plays the piano and sings comic songs at 1 a.m.? Come on, Amazon. We all want you to win the biscuit. Haven't you got Eketahuna and Manurewa, or 2HO, Hobart, 890 kc. (337 metres), just on top of 1YA, shouting out the cricket scores at midnight, yet? Did anyone hear history repeating itself the other day in the shape of the subscriber in Sydney roaring at the man in charge in London for cutting him off at the end of the three minutes? The other fellow, of course, was paying!—**G. Fraser** (Ohura).

moving into new quarters, and altering its wavelength. It is a pity, though, that this station is practically on top of 4ZL, Dunedin, which is the best of the New Zealand "B" class on my set. 5AD, Adelaide, has been coming in well of late, and 2MK, Bathurst, was heard very clearly after the larger Australians had closed down. The reception of the speeches by the Australian cricketers through 2BL at the conclusion of the last Test was also perfect, from about 4.20 a.m. on. Woodfull, Oldfield, Bradman, Grimmett, Hornibrook, Fairfax and the manager spoke. I heard 2BL (or FC) I forget which, addressing 2YA on its silent night over a week ago. KHJ, Los Angeles, KPO, San Francisco, KFI, Los Angeles, KGMB Honolulu, are the best American stations heard by me.—**"Screen Grid"** (Opunake).

An Amazing Short-wave Station.

I RECEIVED by a recent mail a diploma, letter, and packet of pamphlets from NRH, the "little giant of Central America." The following is a copy of his letter.—**E. W. Anglesey** (Nelson).
"My Dear Radio Fan,—I have the pleasure to answer your letter dated June 6 last, and to thank you for your news concerning this station in the tropical centre of America, the smallest on earth. We are working with 7½ watts and 500 volts only, and with such power, besides your great record, that with your letter

DON'T BUY A FARRAND SPEAKER

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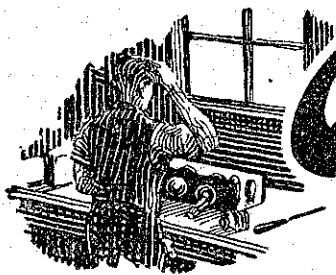
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Questions and Answers



D.S. (Market Cross).—Do you consider the enclosed specifications for an eliminator to work from 32 volts d.c. satisfactory?

A.: Yes. As far as we know these units are made up of Edison cells to any voltage, provision being made to parallel the blocks for charging when the voltage required is greater than the mains. They are really wet batteries, and are practically indestructible.

2. Would it supply sufficient for two minus 171 A's in the last stage?

A.: In all probability yes, but it is hard to determine from the amount of data given.

3. What valves with low filament consumption would replace two minus 112 A's, as detector and first audio in an American model receiver.—UXL

EMARF (Oamaru).—Could you give me the constructional details of frame aerial.

A.: They were published in the "R.R." on December 6, 1929.

2. Could I use a short-wave adaptor with a 7-valve a.c. set?—Yes.

Where could I find particulars of such an adaptor?

A.: In the 1930 "R.R. Listeners' Guide."

3. Would you advise building an adaptor or a short-wave set?

A.: A short-wave D.C. set would be the more certain for results.

J.B. (Nelson).—Can I add a stage of r.f. to my 4-valve parallel feed B.D. If so how?

A.: Yes; the 2 r.f. parallel feed B.D. was described fully in the 1929 "Listeners' Guide."

2. What voltage should I apply to the detector first and second audio and r.f.appings on my set?

A.: RF equals 90; Det equals 45; 1st audio equals 135; power equals 150.

3. What bias would I need to apply to these valves?

A.: We cannot state unless we know the valves you are using.

4. Would I need to shield any of the stages and would sheet brass do?

MANY correspondents still ask questions and do not append the coupon. They cannot expect to be given priority over those who do.

A.: The three stages, r.f. and det. should be shielded with sheet iron or aluminium, but brass would do.

5. Would I need to alter the coils?

A.: The specifications are given in the 1929 "Guide." To use two r.f. stages the aerial coil and regenerative remain as they are, and the first r.f. coil is similar to the regenerative without the tickler, providing the same condensers are used.

6. Are the number of turns on the r.f.c. critical?—No.

BUNG (Hamilton).—Is a 10-valve s.g. super-het. as powerful as a 10-valve s.g. receiver using an aerial?

A.: No; the former is designed for use with a frame antenna for areas where it is inconvenient to use the outside aerial.

2. Could I add an extra stage of s.g. using one s.g. and three ordinary valve.

or could I put a pentode in the last stage?

A.: You could add a stage of screen grid if you followed out the circuit published in last week's "Radio Record." The pentode could quite easily be placed in the last socket with the auxiliary terminal connected to the highest B+.

3. What is a vario-coupler?

A.: A vario-coupler is defined in the "Listeners' Guide" as "a loose coupler of variometer design having a coil rotating inside another." It is a method of tuning a radio receiver by varying the inductance rather than the inductance and capacity as is the case with the ordinary receiver.

4. What is the cause of the set making a singer or speaker sound as though talking through his or her nose?

A.: If it is only occasional, and your batteries are up to standard, it is distortion due to your locality.

L.C.B. (Nelson).—I have built the "R.W. Two," but it is not going very well. I have altered the value of almost everything, and the set will not oscillate.

A.: The failure to get results is caused by the alterations you have made. For instance, you have altered the value of the tuning condenser from .0002 to .0001, and this will quite alter the tuning range of your coils. They were designed to oscillate with the .00035, but you are using .0003, consequently you must add more turns. Your coils will have to be re-designed for a .0001 condenser. If you state the size of former you intend to use throughout, the gauge of wire available, we will design them for you. We strongly advise constructors to adhere to specifications. Failure to obtain results is more often caused by this than by anything else. Altering specifications to suit the correspondent's requirements is a long job, and we do not particularly welcome it.

M.K. (—).—I have a Western Volt ammeter reading 0 to 1 volts, 0 to 3 volts, and 0 to 30 volts. I wish to increase its range to 300 volts. What resistance must I use in series?

A.: We need to know the number of ohms per volt. This is usually marked on the meter. However, if you use a universal resistance and calibrated the meter with a known source of supply, you could arrive at the setting by experiment.

SHORTWAVE (Auckland).—Could you supply me with valvebase coil data for the Cossor Melody maker?

A.: Your best plan is to use a .002 m.f.d. fixed condenser in series with the existing variable condenser to reduce their capacities to 00015, and then construct the coils described in the 1930 "Radio Listeners' Guide," page 95. We are returning your 6d., as the only coil data for the Cossor that we have published was the specifications on the standard coil former for one band.

A.G.B. (Wellington).—I enclose a diagram of a crystal and valve with three-valve performance designed to operate from the mains. Is this circuit satisfactory?

A.: Yes, but it will be advisable to use a variable resistance for grid bias. You can use either PMS or 201A. We do not know the other. D.B.I.

BAY (Christchurch).—I am using a new professionally-made three-valve kit set, and can pick up only two stations on phones. Why should I not receive other stations?

A.: Your best plan would be to take the receiver back to the dealer who made it and state your case. You should get better results.

2. Which is the better valve combination—1410 detector and two P.410's, or two 415's and one 410?

A.: The second is by far the better; in fact, the first is quite wrong. P.410 is a last-stage valve.

ANGUS (Wanganui).—What are the specifications for coils using three-ganged .00025 tuning condensers?

A.: You have not stated the type of wire you wish to use, but we recommend 72 turns 24 d.s.c. wire on a 2 1/2 in. former.

2. If the screen voltage is higher than the detector voltage fringe howl is bad, otherwise the set is quite satisfactory.

A.: This is a characteristic of the circuit or the valves. So long as you get good results, everything is in order.

3. My aerial is only 20 feet high, and the lead-in runs for twenty feet over the roof. The Australian stations come in at their maximum strength at five o'clock.

A.: It would probably be better if you increased the height of the aerial, so that it cleared the roof, leaving more margin.

PIAKO (Hauraki Plains).—I am not clear about using a 200,000 ohms resistance in series with the plate leads to the eliminator, as I already have an r.f. choke in the same position. Must I have another condenser placed in parallel with the resistance?

A.: Providing the plate voltage can be controlled satisfactorily from the eliminator there is no need for the resistance and by-pass condenser. In any case, using parallel feed there will be little need for a condenser across the resistance.

LEARNER (Lower Hutt).—I have a three-valve all-wave set. Could I add another stage of audio?

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150 Hook-ups each 1/9
1001 Radio Questions and Answers .. 2/9
Short-Wave Manual (1930) 2/9
(Above issued by "Radio News" staff.)
"Practical Radio Telegraphy," by Nilsson and Hornung 15/6

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Write us.

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64 Courtenay Place, Wellington.

A.: As you are already using two transformers, no.

ANGEL (Palmerston North).—About what would be the cost of the material used in the short-wave adaptor described in the "R.R. Guide."

A.: Approximately £8/10/-.

LONG-WAVE (Auckland).—On a two-valve set how far should I be able to receive? I am using 45 volts.

A.: Little more than the local station satisfactorily. You will need higher voltage before you can reach other stations.

2. Could my set be converted into a short-wave, and about what would be the cost?

A.: You could use the parts in assembling "Round the World Two." You would need to reduce the capacity of the condensers with a series condenser. The cost would probably be less than £1.

3. Is the Octron a good valve?

A.: We do not know it, but presume it is one of the 201A type manufactured under license from the R.C.A. You should know if it is as good as the standard by the price. It should not be under 9/-.

4. Is the — a good transformer?

A.: No, it is a cheap one.

G.M. (Dunedin).—Where could I obtain a diagram of a two-valve short-wave receiver using 199 valves?

A.: Construct "Round the World Two" described in the "R.R." February 28, 1930.

2. How far should I be able to reach out on earphones?

A.: This set will bring in London, and Russia.

CONTROL (Invercargill).—When I touch our dynamic speaker with any metal object, it can be heard in the speaker. Is this right?—Yes.

2. What is the consumption of our set in watts?

A.: 60 to 80.

3. Is our aerial of excessive length, 45 feet high, 115 feet long?

A.: Yes; unless you are troubled with excessive noise, or lack of selectivity, do not alter it, otherwise try .00025 condenser in series.

4. The dial light flickers. Is this a fault in the set?

A.: It may be loose in its socket, otherwise you should consult the agents who sold you the set.

E.T.A. (Ngunguru).—Can the first charge for the B accumulator described in the 1930 "Guide" be given with a car generator?

A.: If the directions in the "Guide" concerning the rate of charging are followed, the operation could be carried out successfully with the generator. Of course the B battery would have to be divided up in series parallel so that the

section receiving the charge would be slightly less in voltage than that delivered by the generator.

2. Would a Daniells cell charger be sufficient to keep it charged?

A.: Yes, if the B battery is broken up in sections slightly less in voltage than that supplied by the chargers.

N.D.B. (Tolaga Bay).—If I cannot obtain 1.5/8-inch tubes, how many turns would I require on 1½ in. tubes for Akarana band pass four?

A.: The number of turns can quite conveniently be the same as the small difference in diameter will make only a negligible difference in tuning.

2. Could short-wave be received on this set if fixed condensers were arranged so that they could be switched in series with the tuning condensers?

A.: Yes; to find out the number of turns for the coils, you would have to do an amount of experimenting. You could use as a basis the specifications given for valve base coils in the 1930 "Guide."

3. Would the set be more sensitive than the B.D. with an s.g. valve?

A.: No; but it would be more selective.

4. Could the Akarana B.P. 4 be built with two stages of s.g., and regenerative detector?—Yes.

AS our waiting list is now, with a few of last week's queries, brought up to date, would any correspondent who has written in and not received an answer, communicate again, restating his problem.

CURIOUS (Auckland).—Is the cabinet model of — receiver superior to the table model, and why?

A.: The cabinet provides a bigger baffle, and this improves the tone.

2. Which is the difference between two models (cited)?

A.: 66 is an a.c. model, with three stages of screen grid, one of 227 and two of 250. The other is a battery model with three stages of 222, one of 112A, and two 171A's.

Note.—Sorry, "Curious," be we cannot compare commercially-made receivers.

INTERESTED (Auckland).—Why do we get much better reception from the B class Dunedin station than from the A station?

A.: This appears to be locality trouble. Our own experience has been that 4YA is the most reliable.

RADIO FIBND (Halcombe).—When the aerial condenser is tuned below 30 degrees, everything is cut clean out, but bad motor-boating commences. Below the centre point of the dial the readings do not agree.

A.: It seems that the moving and the fixed vanes are making contact below 30 degrees, and in the other that the coils are not properly matched. There may be stray capacity due to proximity of metal parts or the condensers may not be of the same precise value.

2. I tried altering the aerial condenser by seriesing several fixed condensers. They altered the reading backward and forward. Why?

A.: You were altering the capacity of the tuning condenser, and this would naturally affect the reading.

A.W.W. (Otago).—How can I eliminate hum pick-up from electric light mains when I use long leads from a crystal set to headphones in another room.

A.: The leads may be too close to one another, or run too close to the electric light mains.

CONTROLS (Gisborne).—What are the number of turns and size of wire to tune between 15 and 110 metres, using 00015 tuning condensers, and a 2½ in. former?

A.: 16-30 metres 3sec. 4 tick.
28-45 metres 6sec. 5 tick.
43-65 metres 11sec. 6 tick.
62-115 metres 20sec. 7 tick.

These may have to be varied slightly.

2. What resistance is used for 200A and 201A valves?

A.: 4 ohms for the detector, and two for the a.f.

3. I have the adaptor in the 1930 "Guide," but get motor-boating. What is the cause and the cure?

A.: It is due probably to the grid circuit of the adaptor coupling with either the plate leads or part of the set. The leads should be short and well away from one another, and if necessary should be shielded as described. Are you using the small battery?

PROTON (Gisborne).—Can I use a screen grid valve in the detector stage of my kit set?

A.: Yes, a circuit will be published in a month or so.

2. Could I add an extra stage to this set?

A.: Yes; the method was described in the "R.R." about a month back.

3. Which would be better, a further stage of detection or another audio stage.

A.: The ordinary receiver has only one stage of detection. Two are found in heterodyne receivers, so you had better add another audio stage.

4. Do you know of a two-valve amplifier that would go with this set?

A.: You can add only one valve owing to coupling taking place when there are more than two transformers.



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533 COLOMBO ST., CHRISTCHURCH

5. My loudspeaker vibrates.
A.: You are probably giving it too much volume. Try adjusting the diaphragm or use a filter.

C.C. (Hikurangi).—What valves shall I use in the short-wave set described in the 1930 "Guide"? I am using 222 screen grid, and a 4-volt accumulator.

A.: Mullard, detector 4DX, first audio, P.M.3, second P.M.4. Philips, detector 415, first audio 409, second audio 406 for quality, or 409 for volume. Osram, L410, in all stages, or P410 if quality is desired.

L.S.B. (Eketahuna).—What valve would you suggest for my receiver?

A.: A two 221A's, detector 200A, last stage 112A.

2. My set fades on Auckland. Will a new valve improve that?

A.: Probably not. It is an atmospheric phenomenon.

3. When tuning the filament current control to halfway volume is at a maximum. Why?

A.: Because at this point the valves are heated to their optimum temperature, and further increasing the current is likely to damage the valve.

4. Is the enclosed diagram correct?

A.: If you are using 112A you should use 9 volts, grid bias.

A.T.C. (Wellington).—Can you supply me with a three-valve circuit?

A.: You can either add another valve to your existing receiver, as shown in

Winding the Optimum Coil

A Correspondent Asks Questions

Answered by "Cathode"

A CORRESPONDENT has raised certain points in connection with the papers on coil design which were printed in these columns some time ago. As these little difficulties are such as may

bringing the answers to the queries into some degree of prominence.

The first question reads as follows: "In constructing any inductance coil, what is the best or most efficient ratio of length of winding to diameter of coil?"

Now, in strictest theory, given a coil of certain diameter, the resistance decreases (i.e., the efficiency improves progressively as the length of the coil is increased, provided that the optimum diameter of wire is always used. In practice, however, apart from the inconvenience of such bulky coils, there is no real improvement in efficiency after the length of the coil equals its diameter. In fact, a very efficient coil will result from a winding length three-quarters of the diameter. Thus we may say that for practical purposes efficiency is greatest when the winding length is equal to the diameter, while a reduction of the winding length to three-quarters the diameter makes a more compact coil, and has but little effect on the coil resistance. This point is well illustrated in the charts appearing herewith.

Our correspondent next asks the number of turns of 24 s.w.g. to wind on either a 3-inch or a 2½-inch former and the most suitable winding length in each case; the tuning condenser is to be of .0005 mfd. maximum capacity.

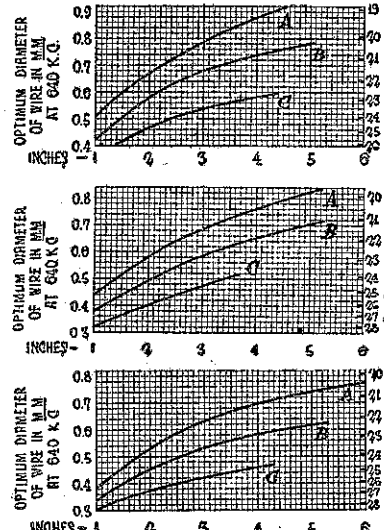


Fig. 1.—Details on page 27.

have been encountered by other enthusiasts, it has been considered worth while

our issue of August 8, or construct "Round the World Three," described on March 7.

IMPEDANCE (Christchurch).—When the gramophone pick-up is plugged into the set I cannot get enough volume. Would an impedance transformer improve this?

A.: An ordinary inter-valve transformer would be better.

2. Can tone be improved?

A.: From the table of your valves it appears that the last two 45's are not balanced. Consult your dealer.

T.M.L. (Kilbirnie).—I intend building Pentode's crystal and valve with three-valve performance. Has the set been redesigned?

A.: No; the original circuit is still perfectly satisfactory.

2. Could another stage of audio be added?

A.: Yes; as was described about a month ago.

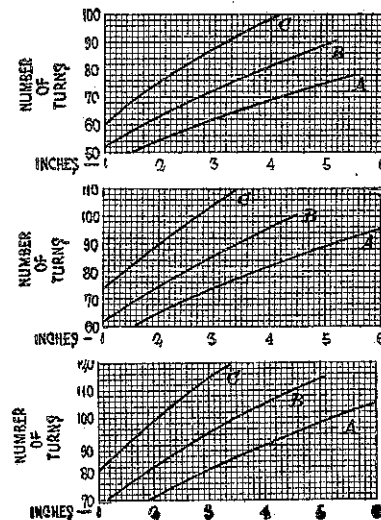


Fig. 2.—Details on page 27.

From information given in the issue of the "Radio Record" of August 23, 1929 (Vol. III, No. 6), we know that for a tuning condenser of this size an inductance coil of 200 microhenries is necessary. For a .00035 mfd. condenser, 280 m.h. would be more suitable, while a .0003 or .00025 mfd. condenser would call for an inductance of 340 m.h. Aiming at maximum efficiency, reference must be had to the charts, Fig. 1. Knowing that 24 s.w.g. has a diameter of 0.5585 millimetres, a line may be

drawn across the 200 microhenry chart at this point, and it will be seen that it cuts line A (3-inch diameter coils) at a point corresponding to a winding length of 1½ inches, while it cuts line B (2½-inch diameter coils) at a point equivalent to a winding length of just on 2 inches. Reference to Fig. 2 shows that to give the required inductance with the diameters and winding lengths decided upon, the 3in. coil would need about 45 turns (the chart does not extend quite this far), while the 2½in. coil would call for 60 or 62 turns, which would, of course, be spaced over the previously ascertained winding length of 2in.; the 3in. coil will not accommodate the necessary turns in the space of 1½in., so that here a close-wound coil is the most efficient.

Our correspondent submits a suggested circuit for a crystal receiver in which he proposes to use this coil; he will find this circuit quite successful.

The third query submitted is as follows: Given the inductance required, the size of the wire to be used, and the size of former, how does one arrive at (a) the number of turns to wind on, (b) the length of the former to space out the winding over?

These two points have really been covered in the practical instance just given. It may be noted that choosing a gauge of wire and then ascertaining the optimum dimensions of the coil for that particular gauge is a rather "back-to-front" proceeding, and will frequently lead, as in the instance just given, to a coil of unsuitable shape. A much sounder process of design is to first decide upon the most suitable and efficient shape and dimensions for the coil, then ascertain from the charts the number of turns to obtain the required inductance with those dimensions, and the most efficient wire diameter; the nearest gauge to the optimum diameter can then be chosen for winding the coil.

THE next query is whether the efficiency of a tuned circuit is improved at all by increasing the ratio of inductance to capacity. It is, of course, although with a crystal receiver it is probable that the damping imposed on the circuit by the crystal would nullify any benefit which might otherwise be gained. When the tuned circuit is in the plate circuit of a valve the advantage of using a preponderance of inductance is readily understood. The amplification depends on the magnitude of the plate load, and since the impedance of a tuned circuit depends on the magnitude of a factor L over C (where L is the inductance, C is the capacity and r the high-frequency resistance), so the amplification increases as the inductance L is increased. The improved amplification is paid for by a decrease in selectivity.

Lastly, our correspondent wishes to know how the "Shape Factor" curve in the above-mentioned article is arrived at. This is actually a derivation and plotting of Nagaoka's constants for inductance calculation, but the development of the formulae is somewhat outside the scope of these columns.

Correction

THE photographer's name appearing under the photo. of "Uncle Jim," of 2YA, last week should have read "Pam."

LISTENERS must attach this coupon to all queries sent to the Technical Editor (Box 1032, Wellington). Questions arriving without it are likely to go astray or be delayed.

Name of set
Number of Valves
Name
Address

Nom de plume

To be kept in subsequent inquiries.

Date

Please Note:—

- (1) Be specific and brief, tabulating, if possible.
- (2) Write legibly, and on one side of the paper.
- (3) We do not design circuits, but accept suggestions for feature articles.

Solving trouble, as different from advice, is difficult by correspondence and while letters are given every consideration, answers are not necessarily correct—they are only our opinion based on the matter supplied, which may be quite inadequate. Intricate and involved specifications cannot be supplied without a specialist's fee.



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Inductance Diagrams

THE details of diagrams on the opposite page are:—

Fig. 1.—Optimum diameter of wire for coils, the number of turns for which were given on August 23. Top.—Coils of 200 microhenries. Middle.—280 microhenries. Bottom.—340 microhenries. Curve A relates to coils of 3-inch diameter. Curve B to coils of 2.5-inch diameter. Curve C to coils of 2-inch diameter. Winding lengths indicated along bottom of each chart.

Fig. 2.—Charts referred to in diagram 1 showing the number of turns for inductance coils. Top.—Coils of 200 microhenries. Middle.—280 microhenries. Bottom.—340 microhenries. Curve A relates to coils of 3-inch diameter. Curve B to coils of 2.5-inch diameter. Curve C to coils of 2-inch diameter. Winding lengths indicated along bottom of each chart.

Questions and Answers

L. McL. (Timaru): My 3-valve set worked satisfactorily for the first six months, and since having adapted an eliminator and a pentode the set seems to burst into oscillation when called upon to take more than usual volume. I have had two radio men to see the set but they cannot solve the mystery.

A.: If two radio men (we hope they are experts) visited your set and examined it you can hardly expect us to help you without seeing the set. From our knowledge of this set we suspect the screen-grid valve. Try replacing it with another and altering the voltages.

FOR SALE OR EXCHANGE

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

WANTED to Sell, Philips "B" & "C" Battery Eliminator, almost new, tested 100 per cent. Price £8 complete. Owner purchased all-electric. Reply A. Brown, Box 937, Wellington, or Phone 28-509.

ALL-ELECTRIC 2-Valve Local Station Set, complete with Loudspeaker. Excellent reception and good quality. Set was built by thoroughly qualified expert, and is guaranteed. £12. "Reception," c/o "Radio Record."

8 SCREEN-GRID RADIO CHASSIS, £26, Triple S.G. R.F., Power Detection, 245's Push-pull. Write for details. Royds-Howard Co., Christchurch.

FIGURE of willowy grace by taking Youth-o-Form capsules. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

"A.B.C." ELIMINATORS, with Westinghouse Rectifiers, make Battery Radio superior to most A.C. Radios. Quotations gladly given. Johns, Ltd., Chancery Street, Auckland.

YOUTH-O-FORM reduces weight 20lbs. six weeks. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

9D. 4½-volt Torch Batteries, Round Units 8d., 9-volt C, 3/-, No. 6 1/11 posted. Royds-Howard Co., Christchurch.

OBESITY—Reduce 20lbs. 6 weeks. Take Youth-o-Form. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

"UPCO" Pick-up, complete with tone-arm and volume control. Guaranteed perfect condition—a splendid instrument—£8/10/-. Owner purchased combination. "Pick-up," Box 1032, Wellington.

Advisory Committees Meet

Some Interesting Conclusions Reached

3YA Musical and Dramatic.

MR. W. H. DIXON (representing the Royal Christchurch Musical Society) was voted to the chair at the meeting of the 3YA Musical and Dramatic Committee on Wednesday, September 3, Mr. T. Dent being unavoidably absent. There were present: Dr. F. A'Court (Harmonic Society), Mr. R. J. Loughnan (Male Voice Choir), Mr. Geo. Manning (W.E.A.), Mr. G. L. Donaldson (Professional Musicians), Mr. A. F. O'Donoghue (station director, 3YA), and Mr. C. S. Booth (secretary). Appreciation of the company's interest in music week was expressed by several members on behalf of their societies.

Reference was made to the very successful debate carried out by 4YA and 3YA on relay between the two stations, and the suggestion was made that more of a similar nature should be arranged. The committee fully discussed the programmes submitted during music week. A number of suggestions in regard to studio programmes were advanced, also subjects for talks.

4YA Primary Productions.

A MEETING of the 4YA Primary Productions Committee was held on Friday, August 29, there being present: Mr. R. B. Tennent (chairman), Mrs. Robin Allan (representing Home Science Extension Department of Otago University), Mr. A. O. Cameron, Mr. S. P. Cameron, Mr. L. W. McCaskill, and Mr. J. Mackenzie, station director. An apology for absence was received from Mr. James Begg, and a welcome was extended to Mr. S. P. Cameron (secretary to the Farmers' Union and president of the Chamber of Commerce), who took his seat as a member of the committee for the first time.

In the discussion which followed, reference was made to the widespread appreciation which the various talks, both afternoon and evening, enjoyed, and the committee discussed how these broadcasts could be made still more effective. Various subjects for dialogues and talks were suggested, and a sub-committee consisting of Messrs. Tennent, McCaskill, and Cameron was set up to submit a report.

2YA Children's.

THE monthly meeting of the 2YA Children's Sessions Advisory Committee was held on Tuesday, August 26, Mr. L. J. Greenberg presiding. There were also present: Miss M. G. Thornton (Teachers' Training College), Mrs. Martin Tweed (Girl Guides), Miss E. Wilson (Free Kindergarten), Dr. Elizabeth Bryson (League of Mothers), Mrs. L. Sommerville (Federation of University Women), Mrs. Chatfield (Society for Protection of Women and Children), Brigadier Gray (Salvation Army), Mr. D. P. Campbell (Presbyterian Orphanage), Mr. G. W. Morgan (Radio Children), Mr. Andrews (Anglican Homes), Pastor W. G. Carpenter ("Uncle George"), Mrs. D. Evans (Children's Organiser), Mr. J. Davies (Station Director).

A long and interesting discussion ensued on the report of a sub-committee set up at the previous meeting to review the work of the sessions. This report read:—

1. It is the opinion of the committee that the Children's Sessions should cater more especially for children in the age-group five to ten years.

2. The sessions require what might be termed a psychological background. With this in view the committee submits experimental data based on research conducted by members of the staff of the Teachers' Training College. This information briefly sets out what is deemed to be the essential requirements of children in the age-group five to ten.

3. Story-telling on true and imaginary themes should find a regular place in the programmes, with an emphasis

on stories based on real facts of life, such as natural history and the records of human life and achievement.

4. The arrangement of the programme should be a matter of graduation, catering from the younger to the older group with certain "interspersions" in the second half.

5. As far as possible each programme should represent a blending of adult and children's work. All children's items should be under adult direction and acceptably done.

6. It is recommended that two members of the committee, i.e., Miss Thornton and Mr. Morgan, should be associated with the Children's Session Organiser in introducing two experimental programmes based on the suggestions made by this committee.

7. For the purpose of further investigation a committee of three should be appointed to co-operate with the organiser and an uncle for the purpose of applying these principles and with a view to securing experimental data from selected listeners.

8. That the thanks of the committee be conveyed to the principal and staff of the Teachers' Training College for the presentation of valuable data to the committee.

After discussion, each clause of the report was unanimously adopted.

RADIO DIRECTORY

What to Buy and Where

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AERIAL MASTS Domestic Radio Co., Ltd.,
300 Queen Street, Auckland.

ACE and HAMMERLUND SETS, Johns, Ltd.
WESTINGHOUSE Rectifiers Chancery Street, Auckland.

BROWNING DRAKE SPECIALISTS F. J. W. Fear & Co.
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BURGESS RADIO BATTERIES, All Radio Dealers.

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PHILIPS VALVES AND APPARATUS All Good Radio Dealers.

AMONG the recent releases of H.M.V. and Columbia are several numbers that should be of interest to those who are forming their collections. Probably at least some of them will be played over the air in the near future.

Columbia has added two more Maori records to its already fine collection. These have been recorded at Ohinemutu, Rotorua, by the Maori Choir. "Huri, Huri" and "Haere Atu Ra," two Maori love ditties, are found on DO58, with the further ditties "Hoki Hoki, E Hine e Hoki Mai" and "Toia Mai te Waka" on the reverse. In both the ditties on the first side a sweet-voiced soprano chants the verse, and in the refrain is joined by a very full choir. These are sweet and bright, with great contrast between the gentle voice of the soprano and the rousing chorus. The ditties on the reverse sung by the full choir, and are tuneful, melodious, and vigorous.

"Love Never Dies" (E Hara te Waera) and the musical game "Titi-Torea" are found together on DO57. The former is a plaintive air led by the soprano and joined by a chorus, which rises and falls to great effect. The other side is brighter and the rhythm is more marked with both solo and chorus.

"Titi Torea" is a song which the Maoris sing during their stick game, in which they all sit around in a ring and while singing the song throw sticks to each other in rapid succession. The game is played by the young people to keep them quick of eye and hand, and what particularly fascinates the onlooker is the rhythmic grace imparted to their movements.

"LILY of Laguna" one of the successfully resurrected tunes of other days, is a record that often comes over the air. As an organ solo on Columbia DO24 it will be welcomed by those whose electrical instruments allow them to bring out bass as strongly as is intended. The recording is by Quentin Maclean on the Cristie unit organ, at the Regal Cinema, London. This is a splendid tune for the organ; it has a

wide range, from whistling treble to heavy bass, and well marked rhythm. It is one of those records that brings out the qualities of the electric reproducer. "Little Dolly Daydream," on the reverse, is a sweet air, but less suited to the organ than "Laguna."

TWO organ solos by Terence Casey, played at the Tivoli Theatre, London, on the Wurlitzer organ, are found on Columbia DO42, "Love Everlasting" and "Crazy Pirouette." As an organist Casey is widely famed, and these two solos are good examples of his art. "Crazy Pirouette," a "fireworks" record that keeps up a smart pace right from the first note, without leaving any breathing time until the last sustained note, a really splendid exhibition of organ manipulation. The reverse is less unusual, but there is plenty of colour.

HAWAIIAN music over the air is usually accorded a good reception, and listeners will no doubt be interested in two numbers played on H.M.V. B3383, by the Hilo Hawaiian Orchestra—"The Rosary" and "Aloha Oe" (Farewell to Thee). "The Rosary" is a new version of an old theme, and those who like both the components will like the record. Generally, though, the theme is not suited to an orchestra of this description. The reverse is better fitted for Hawaiian instruments. It is a plaintive native air played on the instruments for which it was written. This sweetly tuneful music should

With GRAMOPHONE and RADIO

SOME RECENT RECORDINGS

BY "B NATURAL"

please, for the instruments are perfectly played and are unusually fine in tone.

"L'HEURE BLEUE" (Spolianski) and "In An Old World Garden" (Pep- per) are two organ solos played by Sandy Macpherson on the organ of the New Empire Cinema, London (H.M.V. B3300). I have seen these two airs described as "restful," and this, I think, is the most suitable adjective to use. Both are quiet airs well suited to Macpherson's style, and he makes of them splendid records.

PARTS three and four of "Memories of Paris" have been recently recorded on H.M.V. 3314, by Jack Hylton and his orchestra. These are brisk airs and when played by Hylton's orchestra leave little to be desired. This most versatile combination treat the differing airs that comprise the Memories in masterly fashion and impart considerable variety to the record. A notable feature about Hylton's arrangement is the unexpected changes from grave to gay, from the leadership of one group of instruments to another, and these manoeuvres are availed of in this record.

SCHUBERT'S "Marche Militaire" has been a favourite for a century, and now we are getting so many excellent versions that no collection need be without it because of the owner not liking the interpretation. H.M.V. has recently issued another excellent record, Mischa Levitzki playing it as a piano solo on D1809. On the reverse is Rachmaninoff's Prelude in G Minor. In the march the character is admirably preserved, and at times it is difficult to realise that there is only one instrument participating. The round smooth tone, the exquisite phrasing, the perfectly executed technique all make us wish to hear more from this splendid artist's repertoire. I like very much this version of "Militaire." The interpretation of the prelude is equally fine, though it differs greatly from the march.

ANOTHER black label H.M.V. that should please is D1733, Lotte Schoene, accompanied by the Berlin State Orchestra, singing "Tales from the Vienna Wood" (Strauss), and an excerpt from Strauss's "Die Fledermaus." We have heard the Tales in excellent orchestral renderings, but never before as a solo with such a bril-

liant accompaniment as the Berlin Orchestra. The rich soprano voice of the German soloist rises majestically above the full blitting strains of the orchestra. An altogether unusual record for the Strauss music was written for orchestra.

FERMANO AUTORI records two operatic numbers on H.M.V. C1342, "Mephistopheles' Serenade" ("Faust," Act 4), and "Slander Song" ("Barber of Seville"). Operatic works in English are rare, and it is good to see that the gramophone companies are bringing out English versions of some of the best operatic airs. It will be recollected that in Act 4 of Faust Mephistopheles gloats over Marguerite as she kneels before the altar, deserted by her lover Faust, praying for forgiveness. Between bysts of derisive laughter he tells her of the fate that will befall her and the demons that will torture her for her unfortunate past. The words of the solo unfortunately are not as clear as they might be. The "Slander Song" is one of jealous Basilio, who conceives a slander which shall involve Count Almaviva and drive him from Seville. The rendering on this new record is good, for Autori interprets well the rising feelings of Basilio as he contemplates the slander and its effect.

Piano Items

By Mr. Jenner from 2YA

DURING the broadcast concert of the Apollo Singers from 2YA on September 20, Mr. Jenner, one of the Dominion's most distinguished pianists, will play items of considerable interest. They are:—

(a) "My Believing Heart, Rejoice, Sing and Make Merry"—J. S. Bach (arr. Walter Rummel)

This piece is one of Walter Rummel's fine transcriptions for piano of arias from Bach's Church Cantatas. For once one almost feels that Bach forgot that it was a church cantata which he was writing; surely his whole body, in addition to his believing heart is rejoicing, singing dancing, and almost humorously making merry, so rollicking is the spirit of this piece.

(b) "Berceuse," Op. II, No. 1—Lia-pounov.

This Berceuse is one of the great cradle-songs of piano literature, worthy to hold a place in the company of that immortal inspiration of the great Chopin—the "D Flat Berceuse."

(c) "Jeux d'eau"—Ravel.

This is possibly Ravel's supreme achievement in piano composition—a real work of genius. It is classical in design, yet modern in idiom, and is wonderfully pictorial of the effects of water playing from an ornamental fountain. Helped by the quotation which precedes the music "Dieu fluvial riant de l'eau qui le chatouille," one can easily picture the statue of "some ancient Greek river-god, his limbs bathed by the purling waters of an ornamental fountain."

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The through transport of furniture and other goods by rail and sea between stations in the North and South Islands is a special feature of the Railway service.

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BURGESS RADIO BATTERIES

Distinguished Visitor

(Continued from page 6.)

two big factors in American broadcasting, does not own the whole of the stations through which its programmes are disseminated. It works on a system of supplying programmes to these privately-owned stations. The stations can utilise their programmes or not, as they prefer. If they are used payment is made. On the other hand, if the National Broadcasting Company undertakes for a comprehensive payment a publicity venture, then each of the stations linked up in that venture receives its share of the fee paid.

Mr. Frost is visiting New Zealand partly by way of holiday, but also to study broadcasting systems throughout the world. By special arrangement with the shipping company owning the vessel by which he is travelling, Mr. Frost is carrying his short-wave receiving equipment with him, and is concentrating upon records of the reception of 58W in various parts of the world. In New Zealand he is finding reception not particularly good. From New Zealand Mr. Frost proceeds to Australia, where he will also investigate the Australian broadcast methods.

Immediately on his arrival in Wellington Mr. Frost visited 2YA, and was promptly commandeered for participation in the Children's Session. With Mr. Ball and Aunt Molly a general conversation was enjoyed, which was broadcast to the children on Friday evening last. On other occasions, too, Mr. Frost was heard over the air.

One feature in connection with New Zealand radio which has greatly struck Mr. Frost is the fact that British manufacturers of radio apparatus have neglected the colonial market. The amount of American radio apparatus sold in New Zealand was a surprise to our visitor, and on his return to England he purposes impressing upon English manufacturers the desirability of studying the needs of the overseas countries in radio apparatus. Not only is there the New Zealand market, but that represented by Australia, South Africa, and the Argentine. Mr. Frost was in the Argentine twelve months ago, and was greatly struck by the possibilities of that country from the radio point of view. Many of the larger estancias have their own short-wave receiving sets, with which they can be in contact with their principal markets and other parts of the world.

Tips and Jottings

THE best way of increasing the strength of a crystal set is to attempt to get a better aerial and earth system.

IN the absence of a wall, post, etc., to which the stays for a mast can be attached, the best method is to use a buried stay footing.

DO not allow your accumulator terminals to be covered with greasy deposit, but clean them thoroughly, and then keep them lightly coated with petroleum jelly.

FOR ordinary broadcast wavelengths there is no objection to the use of a metal supporting mast for the aerial, provided that the insulation of the latter be good.

DX Topics

(Concluded from page 23.)

audio. I have a "commercial" crystal and two 201A's in audio. For the last five nights I have received 2FO, 2YA, 2BL, and 4QG, at R10, R3, R3, R2 respectively. Some nights they were slightly weaker. I get no static. This reception cannot be due to oscillating receivers as I have listened to 2FO until 12.30 some nights. The same listener reports excellent reception of 3RO. He is R2 here now.—"ZLIX" (Palmerston North).

Loggings for the DX Cup.

I READ with interest in "Switch's" notes where he stated a listener in Milton (Otago) has heard a station on KPO's frequency at an early hour in the morning. I have heard this station for the past two months now, and have got in touch with "Kauspanka" (Hawke's Bay) to see if he could clear up this station, but have had no luck. I have heard plenty of talk from this station, no music. Also there is another on 4QG's frequency, with plenty of talking. "Kauspanka" has also heard the carriers of these stations recently. No doubt the listener in Milton is right. It is a foreign station, but which one? Will try at 3 a.m. to-morrow morning to clear them up.

I have not heard the Indian stations for the past two years to identify them clearly. There is always a barrage of static. I have heard 2XN, and verified 2AY, 5AD, 8G1, 4BC, VK4LW lately, all at good strength. Let's to it, DX'ers.—S. Ellis (Okato).

Australian Stations.

J.P.C. (Palmerston North): Your suggestion re publication of Australian stations was noted, and a full list published in our last week's issue.—Ed.

DX Clocks

DX enthusiasts who have not been able to secure a copy of the DX clock, which reduces the time in any part of the world to New Zealand time, can now obtain one either from his dealer or direct from us, Box 1032, Wellington. This has proved very popular and the demand was greater than we expected, with the result that our first edition sold out very rapidly. Another has been printed, and anyone on the waiting list will now receive his copy. The price is 9d., posted in special wrapper.

Trade Notes

MESSRS. SIEMENS BROTHERS & CO., LTD., of Woolwich, England, whose dry battery experience extends back over many years, have recently installed automatic machinery. They are now manufacturing the standard torch unit and radio battery size of dry cell by a new process. An improved chemical formulae, the work of their experimental department, which gives both cells added life and power, is being introduced. To assure uniformity, the radio battery is designed for use in a climate similar to New Zealand. The new methods of manufacturing should increase their popularity. Messrs. Cory-Wright and Salmon are the N.Z. agents.

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THE ELECTRIC HOME JOURNAL

THE latest Mersey-side sport is electric rabbit racing by whippets. This may prove a serious competition to greyhound track racing.

IN these days, when people rarely bother to write long letters, cards to slip into envelopes are, we are told, very much the fashion. They are got up in the same way as the notepaper, with their owner's address and monogram. A clear blue, with a fine border of a darker shade, is the latest fad in colouring.

DO you wear a p.c.? In other words, a "chignon pendu," which, being translated, means wearing your hair in a neat little knot on the nape of the neck. In London this would seem to be the mode of the moment.

I WAS at a party given by an American hostess the other night, and was particularly struck with the variety of sandwiches at supper. Here are a few of the fillings:—

- (1) Crushed salted peanuts, mixed with salad mayonnaise, laid between slices of brown or rye bread and butter.
- (2) Chopped olives and chillies between slices of bread that has first been spread with cream cheese.
- (3) Sardines made into a paste with vinegar and oil, and spread on bread which has been covered with lettuce leaves.
- (4) Fruit jelly and cream cheese between large biscuits is a popular American sandwich.

"LOOK what I have done for Mamie—yes, and what science has done! Think of the advantage of the electric dish-washing machine, reducing the work of dish washing to, you might say, practically a minimum; in fact, a game and a joy! And the vacuum cleaner, and what an invention that is!—no more sweeping, no more beating rugs—why, say, the preachers can talk about these mysteries and all like that, but I guess in the vacuum cleaner America has added to the world its own mystery, that all last when the columns of the Acropolis have crumbled to mere dust!"—Sinclair Lewis.

WILL there soon be no such thing in the world as "prolonged and hearty laughter"? asks a correspondent in the "Radio Times." Are broadcasting and talking pictures teaching their audiences to laugh quickly and get it over? The nature of these new forms of entertainment imposes a special code of manners upon those who listen to them, particularly in the matter of laughter. The clever producer will sometimes follow up his best jokes with a pause, so that the audi-

ence may laugh and miss nothing spoken, but the audience may not agree with the producer as to what is funny, and remaining stonily silent, be merely irritated by the slowness of the production. It seems, therefore, that if we are not to spoil the pleasure of those listening with us we shall have to learn either to suppress our laughter, or to laugh in short, sharp bursts.

THERE are many points to be considered when building a house, but if the owner has any consideration for his prospective guests, he will see to it that there is a porch at the front door, and one built in such a way as to afford some shelter to those waiting to be admitted. For the roofing, both of house and porch, nothing looks better

able bed and easy chair go without saying, and an electric reading-lamp and radiator are essential items.

"THE man you love at seventeen is seldom the man you wish to marry when you are twenty-five," says Ursula Bloom. "It is very difficult to believe this when you are standing on the threshold of life, but it is true. Later, when you ripen to a mature wisdom, you will find you have quite different ideas about everything. The second thoughts of the twenties are more likely to provide us with ultimate happiness than the first thoughts of youth. Youthful love sometimes skids badly in the forties."

Thought for the Week

The mistakes we make through generosity are less terrible than the gains we acquire through caution.

—Thornton Wilder in "The Woman of Andros."

than the real brick-red tiles, which are both picturesque and durable, and have the advantage of being recommended by all the leading architects.

SEVERAL hundred business girls were among those present at a debate held recently in a Westminster Hall, and organised by the Association of Women Clerks and Secretaries. The speakers, one and all, denounced the return to long skirts for present-day wear. Miss Ellen Wilkinson, M.P., voiced her opinion in no uncertain terms. "It is time to protest," she said, "against this tyranny of fashion over us unfortunate women. We had evolved a perfect form of uniform dress for women, simple and efficient as the Greek tunics of old. It was comfortable to wear and practical."

WHEN you are having a guest for the week-end or longer, there are many little details you can arrange for his or her comfort. For many of one's friends in this busy world, a visit to someone else's house is their only chance of a rest; and breakfast in bed on a dainty tray would be much appreciated. A necessity of real hospitality is plenty of hot water for the bath, and to this we may add a bottle of bath-salts and some extra special soap. There should be flowers and a new magazine or two in the guest room, smoking and writing materials, not forgetting a few labels and a large waste-paper basket. A really comfort-

ELECTRICITY in housekeeping is to be taught in a summer school for teachers at Hampstead, London. Miss Caroline Haslett, the very live wire of the Women's Electrical Association, has been asked by the Board of Education to organise the school. The idea of this course is to prepare teachers to domestic science in secondary schools to give lessons in electric housecraft. There will be two lecturers, both women. Miss Margaret Partridge, who is an electrical engineer, will lecture on the story of the power-house. She will explain the wiring of a house, the technique of switches and plugs, and show how to do such simple repairs as mending a fuse. The second lecturer will be Miss Helm, chief officer of the Newcastle-on-Tyne Electricity Company.

"ONE often hears that women do not know how to choose a meal (says a London writer), but the luncheon given in honour of the wives of the delegates to the Colonial Conference at the Forum Club, which began with ice consommé and proceeded via salmon mayonnaise and cold chicken to strawberries and cream, was ideally assorted to the heat." Such a delicious meal would not, of course, be possible without the help of an electric refrigerator. During the present heat-wave in London the lucky possessors of refrigerators will doubtless be congratulating themselves on their foresight.

THERE have been great developments in the manufacture of rubber, sponging lately, and its uses are manifold. As it provides excellent springs, mattresses and chair seats of all sorts are being made of it; and its sound-deadening properties have induced several English railway companies to lay down sponge carpets in their restaurant cars. It will not be long before balls of every kind will be made of sponge-rubber, in which case the popular expression, "Throwing up the sponge," will have acquired a literal significance.

1930 is surely a woman's year. After the achievements in the air of Miss Winifred Brown and Miss Amy Johnson, we come to Miss Marjorie Foster, winner of the King's Prize at Bisley, who scored twenty-one "bulls" in succession, shooting with a service rifle. Miss Foster is by profession a poultry-farmer, with tennis and sculpture as hobbies. On the day after her victory she was up at dawn as usual feeding her chickens. It only remains now for England to find a woman who can bowl out Bradman.

A GOOD soft-soap for scrubbing benches, baths, sinks, etc., can be made quite cheaply as follows:—One cake sandsoap, two small packets soap powder, 13 cups boiling water. First grate the sandsoap into a powder and mix well in a bucket with the soap powder and water. Stir at intervals to prevent the sand from sinking to the bottom. When cool put into jars ready for use.

"RURAL electrification in New Zealand," said Mr. W. P. Gauvain, M.I.E.E., at a recent meeting of the Overhead Lines Association, "may be said to have started in 1918, in the December of which year the Electric Power Boards Act was passed. In nine years from that date New Zealand reached the position of sixth on the list of electrified countries as regards consumption per head of the population, their figure being 310 units, and to-day rural electrification is on a satisfactory basis."

HERE is a good recipe for fairy cakes: Beat together 3oz. butter and 3oz. castor sugar till well creamed. Sieve 6oz. flour and mix into it the grated rind of half a fresh lemon and 2oz. glace cherries chopped small. Beat 3 eggs till light and frothy, and beat these and the flour alternately into the butter mixture. Beat thoroughly and add lastly $\frac{1}{2}$ teaspoonful of baking powder. Put into small tins and bake about 15 minutes in a brisk oven (350 deg. F.).

AFTER the Wellington War Memorial Carillon was placed in Hyde Park, the makers installed an electric-pneumatic apparatus by means of which the bells could be played. Special hand-playing recitals are frequently given in addition to the mechanical playing of the bells.

"ELECTRIFY and Troubles Fly" is now being taken as the motto for all poultry-farmers. We have only to go a little way out of Wellington to a large poultry farm to see how simple it all is. With the present reasonable charges for electrical energy, and the slight danger of service interruptions, electric service is undoubtedly replacing all other methods of heating incubators and brooders. One chief point is that electricity does not vitiate the air, and it lends itself easily to automatic thermostatic control, and, above all, reduces the chances of fire to a minimum. It was only the other day that two successful poultry-farmers from the Upper Hutt district called to see me. They were telling me how much more time they had now everything was modernised and up to date on their farm. The use of electrically-heated incubators saves so much work in caring for the lamps, especially where a large amount of hatching is done. They found it an advantage to use the 500-egg size instead of the mammoth size, if they did not want to hatch every week, and a further advantage was the ease of disinfecting against infectious diseases after each hatch. Their words of praise for the electrically-heated brooder could not be high enough. It appears that in the brooder stage of a chick's life equality of temperature is almost as important as in the incubator period. This is why the thermostatically-controlled brooder is essential, and though it is an extra expense it is well worth it for one's peace of mind. It is not a difficult matter to fit electric heaters to existing brooders. Information will be given inquirers.—Yours, ALISON.

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Prize Poem Competition

THE prize of half a guinea this week is awarded to D.P. for hauntingly lovely lines entitled "Treasure." We feel sure the work of this contributor will find many admirers among those who respond to poetic outlook coupled with fascinating phraseology. Selected for commendation are the verses of A.N.I.C., which, though not so completely rounded out as the prize-winning poem, possess appealing charm, and we hope, if space permits, to publish the wistful lines dedicated to "Youth."

"Becky" writes with freshness and verve of the winding tracks of the backblocks and her "little puna shack." She has the true touch.

"Life's Like That" voices reflections on this topsy-turvy world with some facility, but the repetitive line ending each verse is ineffective.

"Olympus" copes with an immense theme with reverence and originality, using the difficult form of blank verse with some success.

"When the Skies are Grey" insists on silver lining apt to be forgotten amid "ways that are dark and tricks that are vain," but the lines fail to impress.

"Maid of Athens": Your burning and yearning verses do not scan.

"Jonathan": "To a Skylark" fails to recapture the first fine careless rapture of an earlier poem inspired by the same "blithe spirit."

"Abe" laments wintry wind that shatters the "darling buds" of spring. This effort shows evidence of the immaturity of youth, but in careful phrasing suggests "the best is yet to be" in the work of our contributor.

"Foursquare": Alliterative, statistical and portentous. We assume higher mathematics to be more in your line than poetic musings.

"Man of Devon": Verbal gymnastics with a revolutionary trend.

TREASURE

THERE are remembered things,

Strange, lovely things,
Not for the hands,
But for the heart to hold.
Dark trees, lanterned with gold
By sunset, seabirds' wings.
Still pools that lie
Brimmed with dark water
Filled with stars.
Pale evening sky,
And sunset bars
Swept by the coloured ebb
Of day withdrawn.
White foam that spills
Over the cloudy weirs of dawn,
Far purple hills.
Moonlight and starlight,
Shadow, wind and shower,
And rain-wet flower,
When winds are grey
And no bird sings,
These things I ponder—
Lovely things.

-D.P.

House Planning

The Ideal Kitchen

AN ideal kitchen should be light and airy, and as it is essentially woman's domain, and a place where much of her time is spent catering for the needs of the family, should be made not only attractive, but space should be used to save as many steps as possible. One I have in mind at the moment seems to fit the case.

At one end is a wide casement window, from which one gets a pretty peep of the harbour, and underneath this window is a seat which can be folded up into the wall when not in use. The wall to the right of the window has a broom cupboard and a table which can be let down in front of the seat, and the shelves behind used for china or any other purpose for which a cupboard is needed.

To the left of the window is the cooler, or food cupboard, which reaches from floor to ceiling, the air circulating through gratings built in the outer wall at top and bottom. The cooler is provided with slatted shelves which can be taken out to be scrubbed.

Opposite the window is an electric range over which is a vent for the escape of steam and the smell of cooking, and a rack for drying kitchen cloths. On each side of the range are cupboards from floor to ceiling, those on the right having a space between through which is a servery to the dining room. Between the servery and the cooler runs the bench with porcelain sink, above which is an inset cupboard for soap, etc. Underneath the bench are drawers, and bins for flour, sugar, cake, and bread, all of which are tin lined, and these linings can be taken out to be cleaned.

The woodwork in this kitchen is white enamelled, and the floor is laid with rubber tiles in blue and gray. An easy chair of blue cane for the busy housewife to take an occasional rest completes the picture.

that go farthest to produce good results.

My friends admire my garden greatly, and exclaim at the work and time it must absorb, yet I am sure that most of my success is due to the habit I have formed of "pottering" round my favourite plants, while my afternoon tea kettle boils.

So many of our suburban gardeners fail to get results from their work because they garden in spasms. They will spend a week-end in hard work in the garden, plant out a number of plants from the nurseryman, and then put away their tools with a sigh of relief, and a feeling that if the garden does not repay their labours with a gorgeous display of blooms it will be ungrateful indeed.

But nothing of the kind happens. The winds, for which our land is justly famed, sweep over the soil, forming a hard crust, and the poor little plants, too often sold fresh from the artificial shelter of the greenhouse, make little or no headway. Meanwhile the old lady next door, who gardens most unscientifically, and is always poking about with a broken dinner knife, has a far finer display of flowers than the poor one who nearly broke his back last month and covered his hands with blisters. Let us, then, remember that with plants (as with women) it is the constant small attentions that count.



Cook's
opinion of a
broadcaster!

Spring in Our Gardens

Occupy the Odd Minutes

DURING these dark and stormy days it has been hard indeed to believe that spring is really here, but so it is; and if we wish our gardens to do justice to the loveliest of all seasons we must snatch at every chance to do a little in the garden.

I am often amazed to find how many of my women friends think that it is useless to attempt to do anything in the garden unless they have at least a half day to give to the work, yet the more I garden the more I am convinced that it is the half-hours, nay, even the odd minutes, spent among the flowers

—she thinks he's wonderful during the evening programme—but when it comes to baking she'd sooner have a tin of ANCHOR SKIM MILK POWDER on the shelf than the finest radio going. A few spoonfuls added to every mixing means more delicious scones and cakes—higher food value—and a freshness that lasts for DAYS.

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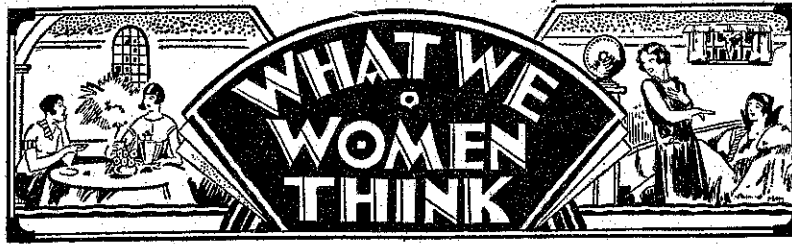
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ALTHOUGH not perhaps specially calculated to appeal to the feminine mind, with its illimitable expanse of sheer cold ice, I must confess that I enjoyed to the fullest Byrd's picture as now running in the Capital City. There is less of the flamboyant Americanism that is so unpopular, and more of the steady scientific record of an outstanding performance. The film leaves the impression of a wonderful co-operation of organising capacity, backed by all the money required. Mental comparison need only be made with the circumstances under which poor Scott trudged to the Pole. It is refreshing to note that Byrd pays tribute to Scott as being his boyhood hero. Byrd's face is appealing in its calm strength, but I must admit that I found his voice in his introduction very monotonous in its one pitch and tone. But perhaps one can't expect a great adventurer to be also an orator, and Byrd's accent is ten thousand times better than that of the ordinary movie performer, for which praise be! He speaks highly of New Zealand, remarking that they came to this country regarding us as their cousins, and left feeling that we were brothers. My husband at this point expressed the hope that they would show a little more brotherly love in their tariff adjustments. Isn't it like a man to think of the financial side?—Francesca.



THE effect of the Spelling Bee is reviewed in this item which has reached us: "After being placed among the 'also rans' I wended my way to our domiciliary edifice and, reaching my room by means of a stairway of cochleate design, sat down in a somewhat hypochondriacal state of mind to soliloquise on the value of the study of philology, etymology and, last but not least, orthoepy. After a brief period I was aroused by the entrance of an old friend, an erudite Welsh professor of geology. He was excited over the discovery of an area of loess, of some fossilised deposits of a monotonous composition, some of which were trebled, others ophiomorphic, and others of boustrophetion design. There were also fossilised flowers of papveraceous origin, and remnants of weapons, about which he postulated the hypotheses, without hyperbole, that the original owners were pachydermatous individuals with anthropophagous tendencies. Finding that his discourse tended to obfuscate my intellectual vision, I became obsessed with caloethes, and asked if he were interested in rhyparography, and, if so, to give an epegetical example. Although usually of an elcmosynary disposition, he apparently regarded my remark as quite supervacaneous, and replied in a stentorophonic voice in the negative. Desiring to restore his

equanimity I asked him to tell me about his native heath. He commenced by: 'I was born at Llanfawrllwgwyngllgogerychwyrndrobwilllantysiliogogoch!' Whew! That really applied the operculum, or, to descend to the vernacular, 'put the lid on.' A pressure on my left shoulder, and a gentle voice whispered, 'Don't you think you would sleep more comfortably in your bed?' I readily agreed.—No. 17."

Life's Dusty Road

I travel along the road
As all men must!
Footsore, weary and worn,
And my throat is choked with dust.

While wandering wearily,
As most men do,
I think of hills to be climbed...
And wish that I were through.

I long for Peace on that Dusty Road,
For the shade of a green-leaved tree;
And the cry of my soul, as I journey on,
Is Sanctuary!... Sanctuary!
—E. M. FRAME.

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YOU will remember the little incident I cited last week of the young girl, who, confined to her bed, was so much enlivened by radio. The sequel occurred two days later. The unfortunate child had been in great pain again and even the wireless could not properly lift her out of herself. She was listlessly listening to the sessions without taking any particular interest when the children's hour and its greetings came along. This brought back memories of the happy experience she had had, and she perceptibly brightened. The birthdays came and went and the session was almost closed. The aunt had called her last birthday when, without warning, "Are you there, little —," mentioning this youngster's name. Then followed one unholy yell (I cannot describe it otherwise), "Mum, quick." Mother and father rushed in to see their child sitting up with flushed and excited face, and her hair wildly shaken, tensely listening. There was a special greeting for her in which both aunt and uncle participated.

That greeting was a better tonic

than the doctor could prescribe, and what had previously threatened to be a restless night was turned to one of comfort and ease.—Gwendolyn.

THE swing of fashion is developing a curious revival of interest in everything Victorian. "Punch" recently had a cartoon depicting the confusion of thought engendered in an elderly habitue of Ascot when gazing at the pronouncedly Victorian backs of his lady friends. His thought that he was back in the days of his grandmother, however, was scattered on seeing the same fair ladies face to face—for there was an opacity and a shimmering display of silk-clad limb about the front view which no Victorian style could ever have permitted. On the stage no up-to-date revues are complete without a Victorian ballet, while in the ballroom even debutantes feel incomplete without those heavy golden bracelets of bygone days encircling their wrists. Perhaps we can do with some little of the dignity of Victorian days as a corrective of the jazz outlook of recent times.—Rosella.

A SERIES of articles on "The Plays that Women Like," by St. John Ervine in the London "Sunday Observer," has provided frank discussion of the attitude of the modern woman to sex plays. In the mass of correspondence received from women the frank confession is made that such plays are appreciated as providing a definite source of information and outlook on phases of life which in the past were all too guiltily hidden—and by the very fact of being hidden given an importance to which they were not entitled. One correspondent signing herself "A Middle-aged Spinster" said that a woman obtained vicarious satisfaction from the performance of sex plays. "For the time being she is the girl in love, in distress, in difficulties, as the case may be, and as such experiences her rapture, her despair, and her troubles in a comfortable sort of way. I think the sexual satisfaction gives her definite pleasure without any disagreeable after-effects." A paragraph in a review by Ivor Brown (another well-known reviewer) of a couple of plays of what he called "The Bad Girls of the Family" type, rather amused me.

"What must strike a modern most strongly," he wrote, "about these bad girl plays of the past is the ungoverned lust for chastity." At some time in the history of mankind this obsession overtook us and the neurosis was intensified by the sickly broodings of celibate priests whose method of self-compensation for unnatural repression was ferociously to exaggerate the pleasure denied them. Somehow or other there got fixed into human consciousness this extraordinary notion about an act which is by nature brief and often trivial in its accompanying emotional results. A girl might be dirty, lazy, greedy, selfish, and silly, in short utterly worthless and a curse to society, but so long as she remained technically "pure" she could pass for what the Americans call a "near-angel." But suppose that in a fit of absent-mindedness, restlessness, temporary excitement, or mere curiosity (and that is probably the commonest motive), "she 'fell'" then no name could be too bad for her, no banishment too severe, no end unjust. What a contrast in outlook and thought is that from the atmosphere of Hawthorne's "Scarlet Letter."—Amaryllis.

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Coffee Making

THERE are a few simple factors to be grasped before coffee can be made at home, uniformly equal in flavour and aroma to the beverage as served abroad. Coffee should be of good quality, freshly ground, and unsparingly used. Soft water is inclined to extract all the bitter and strong fractions from the coffee, so in all circumstances use hard water.

If expense is not a point to consider use pure coffee, and not a mixture of coffee and chicory. A fireproof jug and a piece of clean muslin are sufficient for coffee-making, or a special apparatus may be added to the kitchen utensils if coffee is to be a daily beverage for the family.

Coffee With Milk

Ingredients: Take one tablespoon of freshly ground coffee to every $\frac{1}{2}$ pint of water; a pinch of salt.

Method: Put the coffee into a hot jug. Sprinkle over it a pinch of salt. Pour over it the boiling water, stirring all the time. Double the muslin over the jug. Stand for ten minutes on the stove and strain very carefully into a hot coffee pot. Bring your milk to boiling point, and pour the two liquids into the cup, at the same time using two parts milk to one part coffee.

Coffee, Black

Method: Allow 3 desertspoons of freshly ground coffee to each $\frac{1}{2}$ pint of water. Black coffee is prepared in the ordinary way, and can be made successfully by following the preceding method:—It should be made very strong and free from grounds, and is generally taken without the addition of sugar. Where coffee is regularly served in Europe, a coffee-grinder is kept in the kitchen, and the principle followed is to buy the whole coffee berries, already roasted. Sufficient berries to make coffee for immediate use can at any time be dropped into the coffee-grinder, which is hand operated, and with a few turns of the handle, freshly ground coffee is ready to make this palatable and invigorating drink. Coffee should always be served very hot.

Curry and Rice

Ingredients: 1½lb. steak. 2 large onions, 2½ breakfast cups of milk, $\frac{1}{2}$ teaspoon of salt, 3 or 4 tablespoons of vinegar, 6 teaspoons of best curry powder, 1 dessertspoon of dripping.

Method: Cut onions finely and fry in the saucepan with the dripping fat (do not use a frying pan). Have the salt and curry powder mixed to a smooth paste with the vinegar. Add this to the onions and continue stirring and frying until the mixture has a dry appearance. Add the cold milk and bring to the boil. Put in your meat and let it simmer for two and a-half hours. For a time this will have a curdled appearance, which disappears when the curry is cooked. Serve with rice, cooked in the following way: To every breakfastcup of rice allow one quart of water, using two breakfast cups of rice for this quantity of curry. When water boils, add rice and salt to flavour. Let it boil hard for 20

COUNSEL for the COOK

By "ELECTRA"

minutes exactly. Put through a strainer and pour two cupfuls of cold water through it. Drain and put round the curry on a dish, and serve hot.

Aberdeen Sausage

Ingredients: 1lb. steak, ½lb. fat bacon, 2 small cupfuls of breadcrumbs, 1 dessertspoon of Worcester or tomato sauce, egg; pinch of salt and pepper.

Method: Mince beef and bacon very finely, add other ingredients; mix well, then mix in egg well beaten. Form into a roll, tie with a floured cloth and boil gently for two hours. When done, roll carefully out of the cloth. Cover with browned bread-crumbs. Serve cold.

Veal Souffle

Ingredients: 2 cups of cooked minced veal, 4 eggs, 1½ cups of thick white sauce, small teaspoon of salt.

Method: Make the sauce with two tablespoons of butter, four tablespoons of flour, one cup of milk. Salt and pepper to taste. Mix well; add veal and salt. Allow to cool, and fold in the stiffly beaten egg whites. Put in a greased baking dish, and set in a pan of hot water, and bake in a moderate oven, about fifty minutes.

Date Pudding

Ingredients: 1½lb. dates, ½lb. of flour, ½lb. of sugar, ½lb. of breadcrumbs, 5oz. of suet, 2 eggs, 1 gill of milk. A little salt and nutmeg.

Method: Stone and cut the dates in small pieces; let them simmer in the milk for 5 or 10 minutes. Shred the suet finely; mix with the flour, breadcrumbs, a teaspoon of baking-powder, sugar, and nutmeg. Let the milk and dates cool a little; mix with the beaten egg; pour into the dry ingredients. Put into a buttered mould, and steam for 2½ hours. Serve with sweet sauce.

French Shorbread

Ingredients: 6oz. flour, 2oz. corn-flour, $\frac{1}{2}$ teaspoon baking powder, pinch of salt, ½lb. butter, 2oz. icing sugar, one egg.

Method: Sift flour, cornflour, baking powder and salt together. Roll icing sugar free from lumps and cream with the butter; add egg, unbeaten, and beat well, then work in flour, etc., until it becomes a firm dough. Place in an ungreased tin, press well down, and smooth over with a knife, and prick with a fork. Bake in a slow oven 1 hour. Cut into shapes while hot in the tin.

Apricot Charlotte

Ingredients: One tin of apricots, 1 glass of sherry, 3oz. gelatine, sugar, a few drops of essence of Vanilla, sponge fingers.

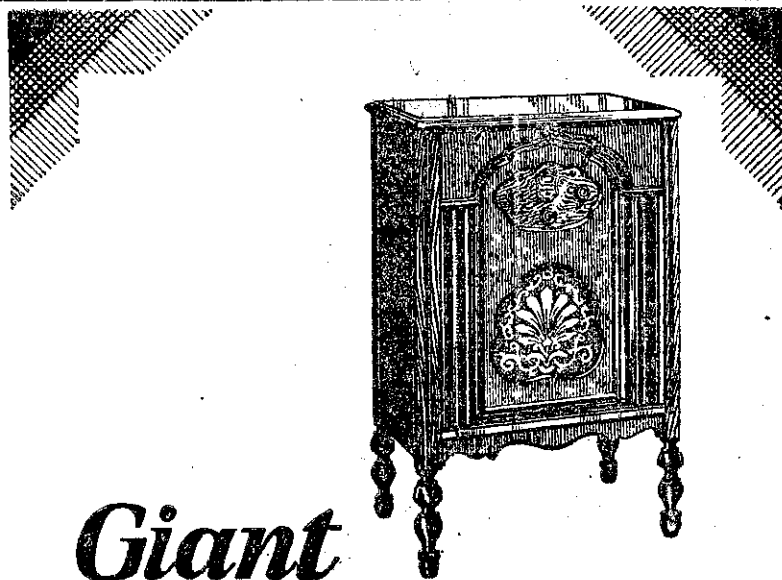
Method: Dissolve the gelatine in a little of the apricot juice. Turn the

fingers, and pour in the apricot puree. Turn out when cold and set. Serve with cream.

Salad Savoury

THIS tomato and cheese salad savoury makes a very tasty luncheon dish, and makes a pretty addition to the table if served on a bed of lettuce leaves.

Method: Dissolve two desertspoons of gelatine in one and a half cups of hot tomato soup. Cut a hard-boiled egg into slices and place these in small moulds, and add a quarter of a pound of salted cheese. Pour in the soup in which the gelatine has been dissolved until each mould is full. Allow them to set, and when cold turn them out and serve them with lettuce.



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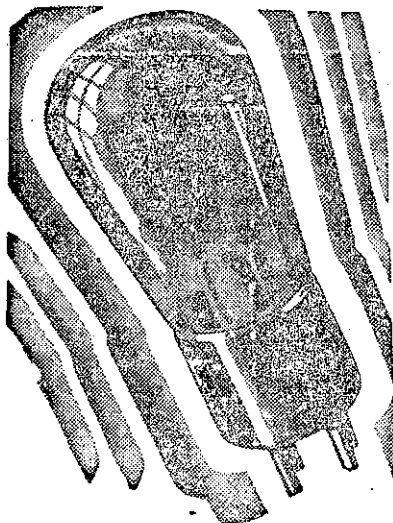
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THE studio at 3LO, Melbourne, was once famous as being the only one in the world at which the public were admitted as an audience during the actual broadcast transmissions. This plan has now been adopted by stations in many countries, and is a marked success.

BY way of an experiment, a Berlin business man recently put through a call by trans-Atlantic radio telephone to Los Angeles, where his voice was relayed to a passenger in an aeroplane flying over the city. "I am speaking to you from Berlin," he commenced. "Can you hear me?" And the listener in the plane replied: "Your voice is perfect, but too loud. Don't shout!"

A SHORT time ago the broadcasting station at Prague, Czechoslovakia, broadcast a radio play entitled, "Fire at the Opera" (writes an English contemporary). A number of listeners who switched on without having read the announcement of the programme were under the impression that a fire had broken out at the Prague Opera House, and not a few of them made inquiries over the telephone or ran to the opera to find out the truth.

TELEVISION has taken another step in its development with the production of a two-way land-line system which can supplement the usual two-way telephone, permitting the parties to a conversation to see as well as to hear each other. An experimental service between two remote points has just been demonstrated successfully in America.

IT has often been prophesied that by the aid of radio facsimile transmission, newspapers will be published in various parts of the world simultaneously, and this is nearer realisation than many people are aware. Recently the whole of the front page of a Californian newspaper was transmitted from Oakland to New York, 2500 miles, where it was automatically reprinted and read on that side of America in less than three hours after its leaving the printing press in San Francisco.

AN English radio amateur is reported to have been convicted at St. Louis, U.S.A., of operating an unlicensed radio transmitter. He was sentenced to a year's imprisonment and paroled for deportation to England as an undesirable alien. Assuming the report to be correct, the sentence appears to be drastic and the deportation unnecessary and insulting. No indication is given, however, of the use he

was making of the transmitter. If he was working with "bootleggers" or other criminals the matter assumes a very different complexion.

FROM Victoria has come the cry that radio broadcasting has upset the seasons, and that it is responsible for serious droughts in several localities. The Commonwealth Meteorologist, however, promptly dismissed the charge and declined to fall in with the suggestion that the wireless stations should be closed down for a month so that a test could be carried out. So broadcasting and droughts seem likely to continue so far as Australia is concerned.

THE International Broadcasting Union held its annual assembly recently, and over twenty European nations took part in the discussions. The President revealed that the union represents 330 transmitting stations serving 22½ million households, or a total of about 90 million people. In addition to its usual work of improving reception conditions the Union is to make a special point of endeavouring to assist in the development of radio-dramatic technique.

CONSIDERABLE interest is being manifest in England in the possibilities of reproducing sound films with the aid of radio. A suggested scheme is to supply films for use on the type of projector now becoming quite popular for home use, and to run them in conjunction with plays broadcast in the usual way. The receiver would be operated in the conventional manner, and at the beginning of the broadcast the projector would be started, the result being a home version of the talkies. Due precautions would have to be taken, however, to ensure synchronisation between the actors before the microphone and the listener controlling his home projector.

A SMALL receiving set has been installed in each of the 1000 cells of the Joliet Prison, Chicago, and convicts are now permitted to listen in for two hours each day. With the first broadcast announcement of sports returns, many convicts wagered their tobacco rations for weeks ahead, some of them mortgaging a year's allowance on the results of a baseball game. The installation has already served as a useful medium of contact between the governor and the convicts. When revolt was smouldering over the sudden stoppage of the tobacco ration, the governor spoke to the men in their cells on the loudspeaker and pointed out that a consignment of mouldy tobacco was being replaced by a fresh one. Discontent at once died down.