

PUBLISHED WEEKLY

THE RADIO RECORD

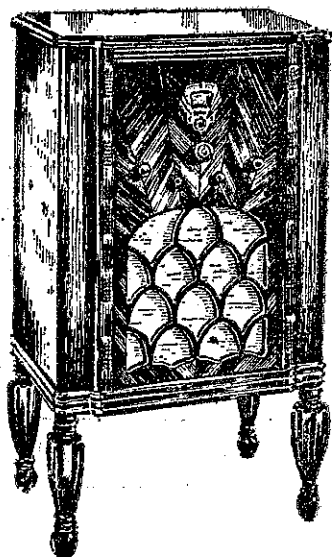
AND

HOME JOURNAL

Vol. V., No. 4.

WELLINGTON, FRIDAY, AUGUST 7, 1931.

Price, 3d.



A handsome Console Radiola at very little more than the price of an ordinary midget.



RADIOLA 45E ALL-BRITISH

A triumph of British Engineering. Screen-grid, all-electric, with tone colour control. Easily converted into a Combination Set with the AWA Phono Unit.

Amalgamated WORLD WIDE WIRELESS **Wireless**
(Asia) Ltd.

P.O. BOX 830, WELLINGTON.

See and hear Radiola 45E. Ask your Radiola dealer to demonstrate. Tone, volume, realism—with amazing economy.

SOUTH ISLAND AGENTS:

Nelson: F. Cull.
Blenheim: Thomson and Manfear.
Westport: F. Higgins.
Seddon: Lucas Bros.
Christchurch: Webley, Sons, and Goston, Ltd.; The Bristol Piano Co., Ltd.
Ashburton: W. Osman and Co., 121 Burnett Street.
Timaru: The Bristol Piano Co., Ltd.
Oamaru: The Bristol Piano Co., Ltd.
Dunedin: McCracken and Walls; The Bristol Piano Co., Ltd.
Balclutha: Wilson Elliott, Clyde Street.
Invercargill: Dickey's Ltd., Dee Street.

AN overseas contemporary, "The Indian Radio Times," announces that correspondents should not expect prompt replies if they do not quote their license numbers. This is much more tactful than saying that pirates must wait.

REQUESTS have been received that the public be permitted to visit the studio whilst broadcasting is in progress, but in America it has been discovered that the clothing of spectators absorbs sound and upsets the balance of orchestral performances.

THERE specially-equipped direction-finding stations have been brought into use by the Paris authorities to detect unlicensed transmitters. Cross bearings enable any station to be immediately identified. The same system is being used for detecting oscillations from badly-handled receivers.

FRANCE's enterprise in the matter of short-wave broadcasting to her colonies has not passed unnoticed in Italy, and it is hardly surprising that the Italians are now determined to connect up with their colonies by means of the short-wave link. Unfortunately atmospheric conditions are apparently unfavourable for direct communication between Italy and her colonies in Africa, and it is now realised that if the inhabitants of Eritrea and Somaliland are to keep in close touch with the Motherland, special "relay posts" will be necessary. It is reported that a group of Government engineers are already on their way to Asmara (Eritrea) to construct an experimental relay station.



IN recognition of the achievement of Marchese Marconi in operating from his yacht "Elettra," lying off Genoa, relays in Sydney which switched on the lights at the Exhibition, the freedom of the City of Genoa has been conferred upon the great inventor. The official ceremony was relayed by the northern Italian stations on May 24. The ladies of Genoa have presented a flag to the yacht "Elettra" in commemoration of the event.

M. RAIMU, a well-known Paris actor, has earned a new reputation as a breaker of microphones. It appears that his voice is so rich and resonant that the delicate microphone membranes are unable to withstand it. French technicians are considering the development of a tougher instrument that shall be thoroughly Raimu-proof.

WHATEVER its success in other directions, the Soviet Five Year Plan appears to be unable to cope with its own standard of radio set production. According to a newly-issued survey for the Two Years' period ended in

October last, only 1,267,000 radio receivers were in use in Russia, compared with the 2,500,000 which had been planned. Nor is production yet overtaking arrears, for, according to the latest figures, only about 65 per cent. of the 150,000 sets to be added between October 1 and January 1 were actually delivered.

ALL receiving sets are taxed in Poland—the same amount being paid for valve and crystal sets. Collection of the tax is made monthly, and is used for the general betterment of radio. Wireless transmissions are making rapid progress, and the installation of several high-powered transmitters enables even crystal set owners all over the country to enjoy programmes. These are carefully selected, and frequently consist of transmissions of plays and operas, the quality of the performances being excellent. Great care is taken over the compilation of programmes, and no item is ever given twice from the same station. For crystal set owners "Radio Polski" relays

foreign stations, an amenity greatly appreciated by this large portion of the listening community.

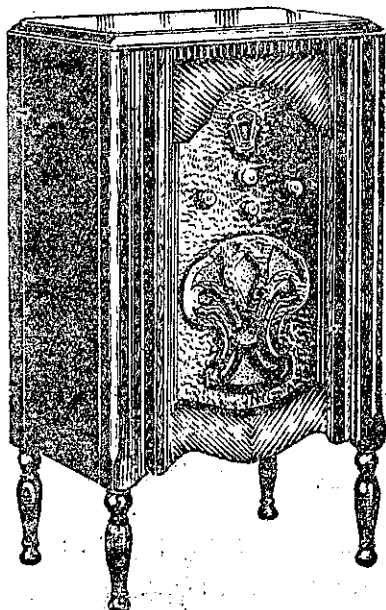
AFTER a period of stagnation, the world's largest receiving station is about to get busy. This is the constant frequency monitoring station of the United States Department of Commerce at Nebraska, established for the purpose of "policing" the American ether waves. The station has been standing idle owing to a lack of qualified staff, but eight district radio inspectors have now been detailed to cavedrop on American transmissions. The station is said to be able to pick up anything worth hearing in any part of the world.

MY experience is that because radio many people are led to take an interest in religion and attend worship at church," said Canon D. J. Garland, before the Brisbane Diocesan Synod recently. The Synod appointed a committee to inquire into the possibilities of radio, with a view to utilising it to the utmost in helping the Church to carry out its ministry to the people in remote districts, as well as to those unable to attend churches for other reasons.

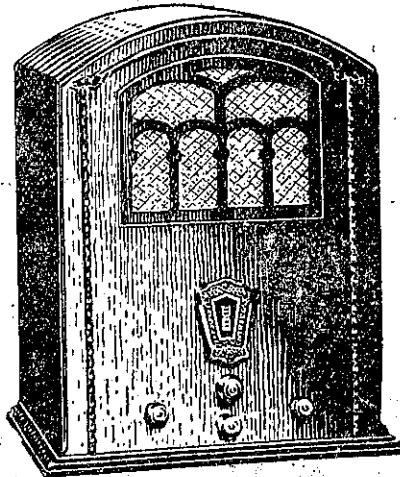
KNOW the time all over the world with a
DX Clock.

Printed on Heavy White Paper.
Posted in Cardboard Tube, Price 9d.
Write "Radio Record," Box 1032,
Wellington.

SILVER-MARSHALL offers an 8 Valve SUPERHETERODYNE IN TWO MODELS



SILVER-MARSHALL
"COMPACT"



SILVER-MARSHALL
"CADET"

The greatest of the Silver-Marshall 1931 products are the 8-valve Superheterodyne models, the "Compact" and the "Cadet." They embody all the best and most advanced features in radio—superheterodyne eight-valve chassis—three screen-grid valves—tone control—local/distance switch—pre-selection—245 valves in push-pull—extension speaker jacks—electro dynamic speaker, etc.—every feature the public is demanding.

SILVER-MARSHALL SUPERHETERODYNE

N.Z. Distributors:

FACTORY IMPORTS Ltd.

96 TORY STREET, WELLINGTON.

N.Z. Distributors for S.M. Short-Wave Sets, Chassis and Parts:

THOS. BALLINGER & CO., LTD.,
VICTORIA STREET, WELLINGTON.

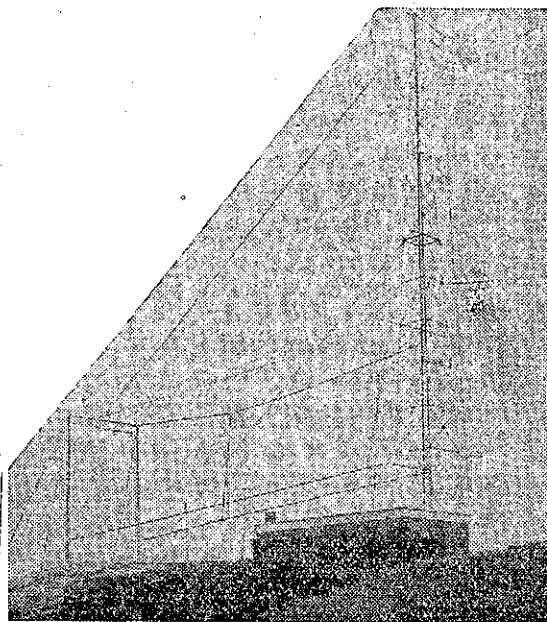
New Zealand Cricketers broadcast Reports on Test from London

LAST week listeners to all our YA stations heard something entirely new and thrilling in broadcasting. Commencing at approximately 7 o'clock on each of the mornings of Thursday, Friday and Saturday, the four YA stations broadcast the attempts at two-way conversations between Wellington and London.

Although conditions were not all that could be desired a large measure of success attended the attempts of the Post and Telegraph Department and the Broadcasting Company. Listeners were able to hear on two mornings a description of the day's play as broadcast from the Grand Central Hotel, London, by members of both cricket teams. On two mornings, listeners heard the talk between Wellington and London prior to the relaying from the hotel. The results obtained are certainly encouraging and lead one to believe that there are great possibilities in this means of communication.

The first morning's transmission was not at all satisfactory, due to the weather conditions. The morning prior to the first broadcast the results were quite good. But Thursday the channel was so bad that it was impossible to broadcast any of the conversation from the

London end. Once or twice, listeners heard the operators make contact with the Old Country, but apart from "London calling. Is that Wellington?" and the replies from Wellington there was little to be heard.



Wellington transmitter at Mt. Ekato.

AT the 2YA studio were Mr. P. B. Broad, chairman of the Wellington Cricket Association, who hoped to be able to speak with the cricketers in London. Also present was Mr. J. Smith, head of the Post and Telegraph Laboratory. Mr. Smith did most of the talking from the Wellington end. From the little that was picked up, it was possible to build up a summary. Mr. Gilligan, speaking from (*Concluded on page 29.*)



Listening to the Cricket Score.—Left: A typical scene in many listeners' homes when the result of the play in the second cricket Test match, England v. New Zealand, was broadcast from all YA stations. Right: Mr. J. Ball, director of 2YA, speaking to London on the radio telephone at 2YA, when he received an account of the scores of the second Test match. Those in the group are: Standing—Messrs. Cook and Walker (friends of K. C. James), Mr. Dempster (father of C. S. Dempster), J. R. Smith (Engineer-in-Charge of the Post and Telegraph Laboratory). Seated—Mr. Ball, Mrs. Dempster and Mr. W. P. Broad (chairman of the Management Committee of the Wellington Cricket Association). —"Dominion," photos.

WHATEVER SET YOU OWN OR BUY — BE SURE YOU ARE USING **C.M.A.**

REGISTERED TRADE MARK NOS. 20529-20530-20531

FLEXIBLES FOR SAFETY AND EFFICIENCY



Copyright
L. B. Atkinson.
Exclusive
Licensees,
Members of the
C.M.A.

A GOOD SET CAN BE SPOILT BY INFERIOR FLEXIBLES

C.M.A. FLEXIBLES COMPLY WITH THE GOVERNMENT REGULATIONS

Protect yourself and your set by
using C.M.A. for all external
connections and extensions.

Makers of C.M.A. Cables :

The Anchor Cable Co. Ltd.
British Insulated Cables Ltd.
Callender's Cable and Construction Co.
Ltd.
The Craigpark Electric Cable Co. Ltd.
Edison Swan Cables Ltd.
The Enfield Cable Works Ltd.
W. T. Glover & Co. Ltd.
The Greengate and Irwell Rubber Co. Ltd.
W. T. Henley's Telegraph Works Co. Ltd.

The India Rubber, Gutta Percha and Tele-
graph Works Co. Ltd.
Johnson and Phillips Ltd.
Liverpool Electric Cable Co. Ltd.
The London Electric Wire Co. and Smith's
Ltd.
The Macintosh Cable Co. Ltd.
Pirelli-General Cable Works Ltd.
St. Helen's Cable and Rubber Co. Ltd.
Siemens Bros. and Co. Ltd.
Standard Telephones and Cables Ltd.
Union Cable Co. Ltd.

BRITISH AND BEST—MINIMISE FIRE RISKS

Byrne's "MARCO POLO" from 1YA

In the year 1298 a naval battle occurred between the Genoese and the Venetians, in which the latter were defeated. Among the 7000 prisoners taken by the Genoese was a Venetian gentleman named Marco Polo, who had been a great traveller. He had taken part in the first mission to Kubla Khan, and had gone on when the two missionaries had turned back. While this Marco Polo was a prisoner in Genoa, he beguiled his tedium by talking of his travels to a certain writer, who wrote them down. "The travels of Marco Polo" is one of the great books of history.—H. G. Wells in "The Outline of History."

"BEFORE I die, I'll leave you the story of Marco Polo. They've said, 'That's all there is about Marco Polo.' But the scholars are a queer, blind people." And this is the story that the nonagenarian told Brian Ore as it is recorded in "Messer Marco Polo."

It was nearing night on the first day of spring, and there was a chill about the canals of Old Venice. Young Marco Polo threw down his quill in the counting-house, where he was learning his trade, and wandered out with the discontent of the season on him. There was a lot of shipping in, much of it from the glamorous East, which was at this time attracting the attention of merchants of Venice. They were bringing back many wonderful trophies—silks and satins, jewels, spices and rare curios. The great Mongol Empire was a rich trading place for its wealthy and powerful ruler Kubla Khan, who was both friendly and learned, had extended his dominions almost to Asia Minor. The captains and traders of these adventurous vessels congregated in a certain Venetian wineshop, where they argued and boasted, made friends and killed enemies.

"I'll go in and talk to the strange foreign people," said Marco Polo, for on this night neither the great Venetian lady nor the plump little gown-maker, who was eager for kissing, attracted him. Indoors there was a babel of tongues such as he had never heard before. Men were drinking and dicing, shouting when they won and cursing when they lost. One man was apart. There was no mistaking he was a great man, for he was so restful against the great commotion. You might know from his looks that he was an Eastern man—perhaps from that strange country Japan.

Marco Polo knew him to be a Chinaman, because none of the strange happenings in that place surprised him. He went on calmly smoking his pipe when all others were shouting and gesticulating.

So Marco Polo went over and saluted him politely.

"I wonder if you mind my sitting down by you for a while?" he said. "I perceive you are from China."

The captain smiled—"You guessed right."

And so it came about that young Marco learned of the wonders of the East. "I wonder if you ever met anyone by the name of Polo over there—they are foreigners in the court of the great Khan."

Yes, the captain had heard of them. They were great men; he had never met them. One he knew had a great eye for a horse and for a woman.

"That would be my Uncle Matthew," exclaimed the boy.

"And the other was a trader"—

"That would be my father, Nicholas Polo."

"For God's sake, you are the nephew of one and the son of the other," remarked the captain. "They are fine men and high in the esteem of the Khan."

And so they fell to talking about China and how the captain had last seen the beautiful "Tao Tuen," whom they called 'Golden Bells.' She was the daughter of the great Kubla Khan—a little brown slip of a girl in green coat and trousers, with a flower in her hair. As the captain had slipped past her in his barque she had called out in her tinkling voice and asked him where he was going. The boat stopped, and when the captain said he was going to foreign parts she wished him a safe voyage, saying she would be thinking of him and looking for his return.

"Golden Bells will worry about you. And take this flower for luck," she said to the mariner, giving him a flower from her hair.

Princes had come to woo her, but she didn't want them. "And so she remains in her garden with a great poet and magician to keep her company. She is not the one to refuse love but the right hour has not yet come."

Time went by and Marco Polo still thought of "Golden Bells." But even if he went there, what would she want admiring one such as he when there were princes to choose from. But it would be worth walking the world to see her.

Father and uncle returned in due time, and on their next journey they took him, though his apprenticeship was not yet served.

Only because he agreed to take the Western religion to the court of the great Khan. The mighty empire was still under the doctrines of Confucius, and the teachers from the Pope had not yet penetrated the court at Peking, and Kubla Khan, who had heard of the Western religion, was anxious to know more concerning it, to test if it were more logical than his own. So the young Polo sought audience with the Pope and learned direct from him the doctrine that he was to take to the heathen. He took also the blessing for a safe and profitable trip. Poor little Golden Bells. He wanted to tell her about the Bitter Tree.

And so the three set out on their trip to the East, with their great train of pack-horses and camels.

Moons were born and died. They passed Babel, through Cashmir, through the Tartar lands, and came to the town of Lob and, as a new moon arose, entered the Desert of the Singing Sands.

In terror a third of the caravan fled in one night. Others dropped out or deserted as they neared the heart of the desert. Some lost their reason and went screaming into (Concluded on page 9.)



Mr. J. F. MONTAGUE

On August 12 Mr. J. F. Montague and his Company will broadcast from 1YA the famous play-story, "Marco Polo," adapted for radio production from the late Don Byrne's novel, "Messer Marco Polo." A striking feature of this presentation will be the specially chosen incidental music and the various entr'acte selections.

In marked contrast to "Marco Polo" will be a humorous one-act comedy—"It's Not My Baby"—to be presented by the same Company later in the evening.

The New Zealand Radio Record

—AND—

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.

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 last insertion.

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

WELLINGTON, FRIDAY, AUGUST 7, 1931.

THE CRICKET BROADCAST.

LISTENERS were given an interesting experience this week through the enterprising action of arranging for a commentary upon each day's play of the Test Match between England and New Zealand to be sent from London by radio telephone, and picked up by 2YA and broadcast throughout New Zealand. The conception was wholly commendable, and on the second and third days a highly gratifying degree of success was achieved. For the first day conditions were bad, and the experiment had almost to be written off as a total failure. For the second day a greater degree of success was achieved, and on the third day listeners received quite a brilliant account of the play, having regard to all the circumstances.

In that this was the first occasion on which the attempt was made to broadcast radio telephony from London, the experience was historic and interesting. Thousands of listeners undoubtedly welcomed the novelty, more especially as they could see in it an indication of interesting developments in the future. This method of telephonic communication, with its greater degree of technical efficiency, will doubtless be used in future for historic broadcasts of the nature of the King's Address at the opening of the Naval Conference, Armistice Day Celebrations, and so forth. Distance is steadily being bridged, and the future undoubtedly holds the certainty of the simultaneous addressing of an audience numbered in millions where now we think only of thousands.

G. G. MACQUARRIE

LICENSED RADIO DEALER AND ELECTRICAL ENGINEER
120 WILLIS STREET, WELLINGTON.

Is carrying on business at above address. All Radio and Electrical Repairs under his personal supervision.
Prompt Attention, Quick Service and Courtesy—Our motto.

Phone 45—865.

Import Duty English Components

IN the following letter the correspondent errs in ascribing to ourselves certain statements. Our report outlined the facts of certain correspondence between a trade representative and the Postmaster-General and specifically stated "In discussing this point, the trade correspondent takes the view that, regrettable as it might be to admit it, the plain fact is that receivers from the United States are the most suitable for New Zealand conditions." Our correspondent is welcome to express his views on this matter in our columns, but we would ask him (and others) to aim at more accuracy in comment. A newspaper does not adopt as its own all items or opinions given as news in its columns.

Referring to your paragraph headed "Duty on Radio Goods" in your issue of July 24, I would join issue with you on the points raised therein.

(1) U.S.A. receivers are "most suitable for New Zealand conditions." This is an old slogan used without any argument to support it. There are several firms in New Zealand which make wireless sets, and if these are not "more suitable" then it does not say much for our own radiotronics. In most of these I notice English components are mostly used. Also the U.S.A. makers are adopting English and Continental ideas for their sets, as example the screen-grid and pentode valves. In your own paper you give English ideas in the circuits for home constructors, and most home constructors use English parts and valves. I might add that the New Zealand-made sets compare more than favourably in performance with the U.S.A. sets, and I myself had an English battery set that I would not have exchanged for any American.

(2) "English manufacturers were asking prices that enabled them to pay up to 100 per cent. dividend." You do not say what dividend the American companies pay, even if your other statement about English companies is correct, which I doubt. Besides which, the American companies go to the other extreme and "dump" their goods. I had a pile of advertising matter sent me from a correspondent in America giving the American prices of well-known sets and parts, and was surprised to notice that the New Zealand prices as advertised here are about the same as, and in some cases less than, the price for the same set or part in America—this in spite of the high duty complained of.

(3) Finally I think it would be a good plan if New Zealand followed the example of Australia and prohibited the importation of complete sets, after due notice had been given. This would give us the expansion of a new industry which has already started,

Chamber of Commerce Resolution

THE following was the resolution passed unanimously by the Auckland Chamber of Commerce:—"That it be a recommendation to the New Zealand Government that in considering the question of the future control of radio broadcasting in New Zealand, the fullest consideration should be given to the adoption of a system similar to that operating under the British Broadcasting Corporation, which has proved conspicuously successful. It is considered that operation by the State or the granting to private enterprise of the monopoly of the remunerative operation of Public Service are both essentially wrong in principle and contrary to the public interest."

Programme Notes

ELAINA MOODY is forming a new trio which will shortly entertain 3YA listeners. It will consist of Miss Moody (steel guitar), W. Clancy (Spanish guitar), and Len. Archer (ukulele).

A new quartet of entertainers, to be known as "The Rascals and their Rascallettes," will make their first broadcast from 3YA on Saturday, September 5. The party comprise experienced radio performers—Alice Greenlees, Melva Cater, Eddie Hegan, and Bert Goodland.

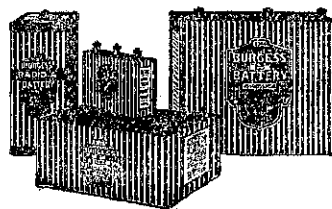
In addition to the bi-weekly relays which are taking place from 2YA, Wellington, to 2ZF, Palmerston North, and 2ZD, Masterton, similar bi-weekly broadcasts are now being carried out by Station 4ZP, Invercargill, on relay from 4YA and 3YA. These relays include the International Programme from 4YA on Monday evenings, and the after-church concerts which are relayed on Sunday evenings alternatively from 4YA and 3YA. A nautical programme will be relayed by 3YA from Lyttelton in the not-far-distant future. During the evening the concert will be interrupted to permit of a broadcast by the Mayor of Lyttelton, Mr. Sutton. Mr. Sutton will be presiding at a council meeting, and will, therefore, be unable to attend the concert, so a microphone will be taken to the council table and he will from there give his talk on "Port Lyttelton—Past and Present."

and would help to some extent our unemployment problem. Many wireless dealers are making sets now, either to order or to their own ideas, and these are giving complete satisfaction.

I have no interest commercially with any wireless firm, but write as an ordinary New Zealand listener.—I am, etc.,

Kohukohu.

J. BURT.



BURGESS RADIO BATTERIES

What's in a Name?

More Than a Song

ONE day a few years ago a lady who introduced herself as Madame — intimated to the programme organiser at 3YA that she was available for engagements and she submitted a list of songs. She added that she had sung for 2FC, and she no doubt, therefore, concluded that there was no more that need be said about her qualifications.

But the programme organiser, himself a veteran of the footlights and as well versed in the wiles of artists as he is qualified to judge of their musical attainments, was too old a bird to be caught. He courteously arranged for an audition, and just as courteously intimated to the lady that she was not up to the standard required for 3YA. He marked her paper "No good," and carefully filed it, at the same time wondering how on earth the lady was ever permitted to sing for 2FC.

Quite recently the mystery was solved. Another lady of a similar name, a star of the first grade, became known to 3YA. The programme organiser's mind dimly recollected something. "I believe I gave her an audition years ago," he said. He turned up his files and found the paper marked "No good." The surname of the artist referred to was the same, but the Christian name was different.

There was no doubt about the qualification of the star.

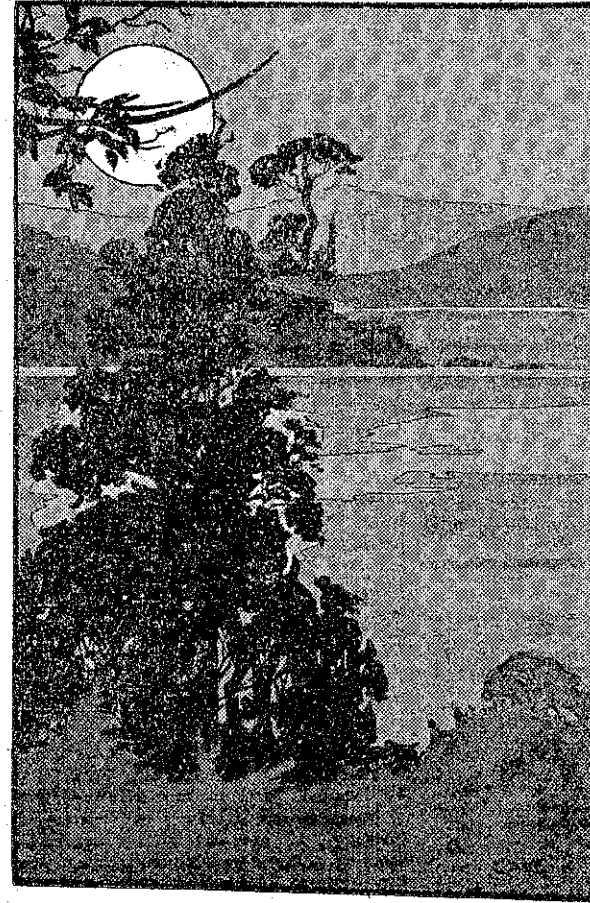
Then it transpired that the artist first mentioned had deceived the broadcasting authorities in Australia by representing herself to be, and performing as, the talented singer. In the records of that station an unfavourable report went down against her name, with the result that when the genuine star wrote about an engagement she was informed that no opportunities were offering. Subsequent explanations, however, cleared up the position. They were sisters, too.

Interchange of Programmes

Between America and Germany

ARRANGEMENTS between Germany and America for the interchange of programmes are now so far advanced that the date, June 15, is fixed for the beginning of a regular transmission to New York from Berlin and vice versa every Sunday. It is stated that a wavelength has been found, after long experimenting, which will reduce atmospheric disturbances to a minimum.

Programmes are already being drawn up. Besides the ordinary orchestral concerts and operas, many highly interesting special features are planned. On Berlin's part these include lectures by Professor Einstein, Dr. Eckener, Professors Bergius and von Miller, as well as other prominent scientists. The leading men of finance will speak on those economic questions which are of particular interest to American businessmen. The American broadcasting authorities are understood to lay



At 4YA

The Evening of Wednesday, 12

will be devoted to

VOCAL AND INSTRUMENTAL NUMBERS

written by

N.Z. Authors

Audition Tests for the Young

THE music teachers of Christchurch, members of the Society of Professional Musicians, are taking up broadcasting wholeheartedly. They are arranging for parties of their best pupils to give concerts. The teachers are freely availing themselves of the facilities offered for giving their pupils the necessary audition tests and instruction in microphone technique at 3YA. On Tuesday afternoons (3YA's silent day) it is the usual thing for the studio to be crowded with pupils who sing into the microphone while their teacher listens at the loudspeaker in another room.

special stress upon descriptive accounts given on the spot of places already known, by hearsay or personal visits, to many Americans. These include Hamburg Harbour, Heidelberg Castle, a trip on the Rhine, Frederick the Great's castle at Sans-Souci, the October Festival at Munich, and many other national institutions.

Berlin will receive in return, as typical of America's best, lectures by Messrs. Hoover, Edison, Ford and other very prominent men. Jazz bands of special repute and negro choirs and choral societies will be the principal national specialities to be broadcast as far as music is concerned. The Indian reservations and Hollywood are among the localities chosen as the most interesting for detailed reports of specialised life and manners to be sent to German listeners.

Radio Telephone Exchanges

A Practical Possibility

THE operation of an automatic wireless telephone exchange connecting a city with its various country towns, or city with city, is not only possible, but is likely to be an accomplished fact in the near future. At the present time a series of experiments are being carried out by the Marchese Marconi, world-famous inventor, in automatic radio telephony.

Further experiments on a larger scale will shortly be conducted by connecting the telephone networks of Rome and Cagliari, the capital of Sardinia, by two powerful wireless stations. It will then be possible for a person in Rome to dial a number in Cagliari, 250 miles away.

The impulses will be transmitted across the sea by short-wave wireless in a fashion similar to that in which the Marchese Marconi switched on the lights of the Sydney Radio Exhibition in March of last year from his yacht at Genoa. Once the connection has been established, conversation will be carried on by ordinary wireless telephone and will be secret, as the system is based on many superimposed wireless waves which cannot be intercepted.

It is interesting to recall that, attending the success of Marconi causing a switch to be closed at the Sydney Town Hall which released approximately 100 h.p. of electrical energy and electrically illuminated the Town Hall with 2800 electric bulbs, Mr. E. T. Fisk stated at the time:—

"The control of mechanisms such as this at a distance by wireless has already been applied on a limited scale across relatively short distances, and the development of these principles will have many useful applications, and I think will eventually lead to the stage where it will be possible in Sydney to operate an automatic telephone exchange in London."

While the application of the principles of distant control of automatic mechanisms has not yet reached the stage prophesied above, it is noteworthy that very definite progress in this direction is being made, as Marconi's experiments recorded here bear evidence.

From the first wireless telegraphy demonstration by Marconi in London in 1897, when communication was established over a distance of four miles, to the transmission of the first signal across the Atlantic, represented but four years' experiments. To-day with a wealth of scientific wireless data available and research engineers throughout the world developing and applying that data, there is every reason to believe that the stage of advancement that Mr. Fisk predicts is likely to be accomplished in the very near future. Then may a telephone subscriber in a suburb of Sydney dial a London telephone number and speak with the same facility as he to-day enjoys with the local telephone service.

HAVE you renewed your subscription to the—

"Radio Record and Home Journal."

12/6 in Advance.
Box 1022, Wellington.

N
E
W

Z
E
A
L
A
N
D

N
I
G
H
T

The Story of the Garden

ILLUMINATING and somewhat startling information on the omnipotence of green leaves was provided by Mr. E. B. Wiltshire in the course of his dialogue with Mr. F. C. Fairclough given from 3YA on Monday.

I have heard it said that but for the benevolence of the sun's rays life on this planet would be non-existent, and have been something of a sun worshipper as a consequence, but I had not quite realised the debt of gratitude which we all owe to green leaves and plant life in general. We are informed that without them we must perish. We shall all regard our aspidestras with a new feeling of respectful affection hereafter.

The chemical action of green leaves is to take charge of all the loose carbon monoxide floating around, and to give off oxygen in exchange. The former gas, being deadly so far as we humans are concerned, and the latter being essential to our continued life, it follows that the exchange effected is of mutual satisfaction to both parties.

Nature's Food

EVER since I heard Mr. F. W. Saxton, F.C.S. give a talk on milk I have been puzzling whether I am glad or sorry that I had this talk in my schedule! Not that it was anything but pleasantly, indeed forcibly, told, but now when I help myself to the milk, I feel almost like an early Christian facing Nero.

It would appear that while milk is the most balanced and complete of our foods, containing proteins, fat, carbohydrates, vitamins and what not in the best possible proportions to suit human consumption, still, like most worldly things seemingly perfect, there is a catch in it. So far as milk is concerned there are quite several catches; a few million to the cubic centimetre, in fact. They rejoice in the name bacteria or, in common parlance, bugs. For ease and speed in multiplication, the honest bug will make Brer Rabbit look as though he were not even a tryer. Each will multiply into two every half hour. If you want a headache, or have come recollection of geometrical progression (I think it is) you will see that twenty-four hours storage of a bug or two will provide you with enough bacteria to last you for all time.

I was comforted by learning that all these bacteria are not harmful. On the contrary, the majority are the very staunch allies of mankind, and comparatively few are disease producing. Disagreeable though sour milk may be, still it is by no means harmful; indeed it is beneficial. Sour milk is the handiwork of one of the more friendly variety of bacteria.

Many are the efforts made to render milk pure and germ proof. There are two very important helpers in these attempts. One is pasteurisation and the other is increased cleanliness. The former process (named after that great Frenchman Pasteur) consists of heating up the milk to a temperature of 60 to 75 degrees C., and maintaining this temperature for a period of some thirty minutes, afterwards rapidly cooling the product. An alternative and speedier

The VOICE of MICHAEL By "CRITIC"

method is to heat the milk to 90 degrees or so for one minute, and to cool in the usual way.

In theory this practice should put finis to the bugs; in practise the theory is found to be incomplete, and while bacteria are considerably reduced by pasteurisation they are by no means exterminated. The speaker pinned his faith



GLADYS WATKINS,
Wellington's noted carillonist. She is also an accomplished pianist, and with Nancie Holloway, violinist, will present a recital from 2YA on August 10.

to cleaner methods of production, clean cows, clean sheds, clean milkers, careful transportation; these are the ways to get milk pure and free from contamination. Meanwhile for as long as I remember the details of this talk I shall go on considering myself a hero each morning at breakfast.

Personal Observations

A POWERFUL talk was given from 3YA on Thursday when Dr. P. Stanley Foster spoke on the Rotary movement and its hopes and aspirations. Personal contact between influential men of various countries must inevitably lead to a better understanding and, if the movement continues to grow, should prove a valuable factor in the movement toward world peace.

Dr. Foster did well to remind us, as Britishers, that to other nations we are both foreigners and aliens, having habits and customs which are both strange and incomprehensible. Too often do we regard the people of other nations as "foreigners" on a plane decidedly lower than that occupied by ourselves. How impatient do we become because an honest beef steak is not easily procurable in Paris. But do we go out of our way to provide an equally honest dish of snails or frogs' legs for our own French visitors?

The geographical position of New Zealand makes international thought difficult. The best way of cultivating international thought is by travel; this is not possible for all, but good newspapers, the wireless, and other adjuncts of modern life all tend to break down international barriers and to permit a peep at other countries and other lives. Dr. Foster is himself very well travelled. Speaking of his impressions of the U.S.A., he analysed this vast country's complicated "make-up." Having regard to the tremendous mixture of races here represented, is it any wonder that America can compare equally well with the best and with the worst of the rest of the world. It is true that Americans cultivate an accent which jars and they have a sense of humour of the custard-pie order; nevertheless, they are among the most hospitable people in the world, and they can show us all points in the fields of both sport and business.

Dr. Foster's experiences in France were as happy as in the U.S.A. He found the French people with whom he came in contact hospitable, sympathetic, and responsive. In view of the common report that the French are openly hostile to Britishers, it is pleasing to record that the speaker received many letters from France expressing sympathy and personal anxiety when the news of the disastrous Hawke's Bay earthquake became generally known.

As Dr. Foster concluded, personal contact is worth all the reading in the world. Greater and closer contact of individuals would do much to nullify the evil and dangerous propaganda of some of the world's popular newspapers. This in turn would turn to nought the machinations of international financiers, gamblers and seekers of power; in fact one can almost foresee the time when the dirty little money-grubbers, who thrive on, and hunger for, the carnage of war, would have to provide such a war entirely by and between themselves. Then, indeed, might we truly believe in "Peace on Earth, Goodwill towards Men."

In the Open

I FEAR I did not find in Mr. Ritchie's talk given from 4YA quite the enthralling entertainment for which I was hoping. The speaker's delivery was a trifle too slow, and I think perhaps listeners would have been better pleased had the talk been livened up with more incidents.

To my mind much of the descriptive matter was reminiscent of a very well written, but somewhat ornate, guide book. As an ardent supporter of the tramping fraternity I am always anxious that new disciples shall be won. I believe Mr. Ritchie would have been more effective if he had conducted his listeners on a jolly good week-end tramp. Let them stop once or twice to boil the billy; let them taste for once, real honest tea; let them see just how much they miss by sticking to the dusty hard roads in their noisome motor-cars, and I am sure quite a number will leave their cars in the garage next week-end and see what the trampers' point of view is like.

Much of the descriptive work in this talk was excellently well done; just a trifle too much of it, that was all.

Some Common Birds

OUR feathered friends must have a very staunch friend in Mr. R. A. Falla, M.A., who spoke on Friday from 1YA. I am quite certain that all Mr. Falla's listeners will have a quickened interest in the welfare of the birds after hearing his very able talk on that topic.

Mr. Falla made early reference to the alertness, activity, and general air of spruceness noticeable in all birds.

Come to think of it, the times when we catch a bird looking listless or with a morning-after-the-night-before air about it, are few and far between. Always do they seem full of vim and vigorous activity. The fact that their blood is perpetually at a temperature of from 104 to 114 degrees F. may have a lot to do with it. We get a bit restless when ours goes over 99 degrees; in fact I have an uncle who becomes agitated when he thinks that his is over 98 degrees; birds, however, seemingly everlastingly on the boil, thrive easily.

A close study of their habits has given Mr. Falla illuminating data. For instance young birds, during the first ten days of their existence, must consume their own weight in food every twenty-four hours. As they live almost entirely upon insects during that time, the parent birds are kept pretty busy, and once again does Nature provide an even balance in that the voracious appetites of the young birds cause a heavy toll to be taken in insect life just at the time when these insects are multiplying at an excessive rate.

Mr. Falla concluded a most entertaining lecture by giving an imitation of the various calls and songs of some of the better known birds. I think the speaker expressed doubt as to whether such would go over the air at all correctly; let me assure him that they were quite excellent. Particularly clever did I consider the plaintive notes of the little Grey Warbler. I hope to hear more on the same topic from this able lecturer.

Programme Jottings from the North

(By "Call Up.")

THE Rev. Lionel Fletcher, better known over the air as Uncle Leo, is now back from his tour abroad, and has resumed his Sunday evening children's services from 1YA. He also had his church service broadcast last Sunday evening.

LISTENERS in the Devonport district are loud in their complaints in connection with Morse interference from the naval ships stationed at the Devonport base. The Morse interferes with stations on the band between 1YA and 1ZR, and seems to be right on the wavelength of 3YA. On some sets which are not very selective the Morse interferes over the whole range, and enjoyable reception of any stations is impossible. There have been similar complaints before, and it is high time the present state of affairs was righted.

THE international programmes from 1YA seem to be meeting with a rather mixed reception. Many listeners say they are the best evenings in the week, others enjoy them, while not being quite so high in their praises, while others frankly dislike them. Of

course, it is the same with all items, for it is impossible to please everybody. On the whole, however, the international programmes are popular, the main criticism of them being that they are not "international" enough.

FOR some time it has been suggested that the 1YA Octet should be increased in strength to include some brass instruments, and listeners will be pleased to hear that it has now been decided to do this. Thus the octet will be brought up to light orchestral strength. This combination has rendered splendid service at 1YA, having a very large percentage of the programmes to bear, and with its added strength should be far more capable of giving its required number of hours. Even as it is, the variety of its numbers and the size of its repertoire are amazing.

Children's Sessions

AT 2YA.

Monday.—There is to be a special "New Zealand Eveuing" to-night, when Mr. Douglas Tayler will provide us with a delightful programme of songs composed by New Zealand children. Uncle Jeff will be here to send birthday greetings.

Tuesday.—Children from St. Catherine's Convent will be in the studio this evening under the directorship of Mrs. Isobel Halligan. There will be choruses, riddles, and songs. Jumbo has arranged a little party, and he has a surprise in keeping.

Wednesday.—Listen-in to-night to Aunt Daisy and the Cheerful Chirpers, because there is to be a Spanish Chirper among them who will talk about the customs of her country. The Ngaio Chirpers will be coming, too, with their cheerful songs and choruses. Birthday greetings as usual.

Thursday.—Mr. Morgan, better known as "Cousin George," is bringing a party of children to sing choruses, play the vibraphone, and recite. "Cousin George" has also prepared a special talk, and I think he has an adventure story.

Friday.—Tweedledee and Tweedledum have arranged to give "Hop o' My Thumb" to-night, and Mrs. Pauli is bringing a band of little people to sing and play.

Saturday.—Cousin Julia and Ilma have a play called "The Prisoners of the Dobbadies," and Aunt Molly and Uncle Jasper, not forgetting Spot, have been asked to be their guests to-night. The orchestral music is being supplied by the Melody Makers.

Sunday.—The Karori Methodist Children's Choir, under the conductorship of Mr. Roberts, will be in the studio this evening. Uncle George will take the service this evening as usual.

Simplify DX-ing.

DX CLOCK 9d.

DX VERIFICATION FORMS—

1/6 for 2 doz.; 8d. doz. over 6 doz.

Booksellers, Dealers, or Box 1032, Wellington.

Eclipse of Sun

Radio Waves Affected

SPECIAL tests organised by the Department of Scientific and Industrial Research to investigate the effect of the total solar eclipse of last October on wireless waves, have been reported by Dr. M. A. Barnett.

In general, he says, the eclipse produced a partial return to night-time conditions as far as the transmission of wireless waves was concerned, and changes in signal strength followed fairly closely the changes in the amount of radiation reaching the atmosphere from the sun. There were indications, however, that the changes in signal strength came a little later than the change in radiation at the place half-way between the sending and receiving stations.

Scope of Tests Limited.

The scope of the tests which could be arranged was limited by various factors. In the first place, the path of totality crossed the Pacific Ocean, and the choice of observing stations was restricted, particularly as not all the islands are equipped with apparatus. Secondly, it was not possible to send observers with special equipment to any of the islands, and, moreover, the distance of transmission was inevitably considerable in many cases. Special transmissions were arranged, however, by radio stations at Wellington, Apia, Suva and Papeete. The receiving stations interested in the ex-

periments were numerous, and were dotted round and in the Pacific and all over New Zealand. The majority of the transmission lines crossed the path of totality.

Summary of Effects.

In his summary, Dr. Barnett says that the results were in general accord with those experienced during previous total solar eclipses. No effect definitely attributable to the eclipse was observed on long waves, although on the Rugby-New Zealand transmission a definite increase in strength occurred during the eclipse period. On the 850 and 800 metre wavelengths an effect equivalent to a partial return to night time conditions was shown for transmission distances lying between 600 and 1200 miles. This effect was noticeable whether the transmission path actually crossed the line of totality or not. The maximum change in the signal strength occurred approximately at the time of minimum eclipse effect between transmitter and receiver, although in certain extreme cases the records indicated a lag of as much as thirty minutes between the two phenomena.

In general, no eclipse effect was observed on short waves, except in certain cases on a wavelength of 52 metres, when a partial return to night time conditions was definitely indicated. In this case also the maximum effect on signal strength either coincided with or lagged slightly behind the maximum of the eclipse at a point midway between transmitter and receiver.

CLEAN accumulator terminals can be kept clean if smeared with petroleum jelly.

Why Carry Accumulators 1/- WEEKLY

Buys a BALKITE CHARGER

which will charge your accumulators at home from your 230-volt A.C. mains for a few pence.

USED RADIO SETS

We can offer exceptional value in shop-soiled and traded sets. The following are a few bargains, but a full list will be sent on request. State whether Electric or Battery.

Electric Sets (Complete with Valves and Speaker)

CHALLENGER 2-Valve, "Well-Mayde." Local station set. New. £8/10/-

PHILIPS Q-P. Used. £10/10/-

ACE ELECTRIC, used. £9/17/6

ACE ELECTRIC, slightly marked, new. £13/10/-

PRINCE, Console, 6-valve, used. £20

REMLER, Console, 6-Valve, used. £19/10/-

REMLER Radio-Gramophone, Complete, small size. £32/10/-

MONARCH 9-Valve, console, new. £29/10/-

MONARCH 9-Valve, Radio-Gramophone. £27/10/-

ZENITH 8-Valve. Exceptionally high grade, slightly marked only, heavy console. Automatic tuning. A beautiful machine, worth £73.

WURLITZER COMBINATION, used, cost about £80. £42/10/-

BATTERY SETS (less accessories).

ALTONA GRAND, 5-valve Neutrodyne. £27/10/-

GILFILLAN, 5-Valve Neutrodyne. £26/10/-

ALTONA, 5-valve Neutrodyne. £25/10/-

HAMMARLUND JUNIOR, as new. £10

BREMER TULLY, 5-valve. £25/5/-

ACE, 3-Valve. As new. £4/10/-

HAMMARLUND TYPE, W-M Coils, etc. £4

FRIESS, 9. Absolutely as new, beautiful cabinet, with loop. Great bargain. £4/10/-

FRIESS, 9. Used. £2 to £3

SEND FOR COMPLETE LIST OF USED SETS, DYNAMOS, MOTORS, ETC.

JOHNS, LTD.,

Chancery Street, Auckland.

A BIG RADIO TIME-TABLE AND STATION LIST

Printed on good strong paper that will stand folding, this comprehensive list of New Zealand, Australian, American and other stations is wonderful value for the amount asked.

Of each station is given the call sign, the location, the frequency, the wave length and the power. Never before has such a list been offered to New Zealand radio enthusiasts.

There is only a limited number available. We advise you to get your copy to-day, from your bookseller or by sending direct to our office. Price 4d. plus 1d. postage.

Get One To-day. Only a Limited Number Available

RADIO RECORD, Box 1032, Wellington.

Please send me your Radio Time-table. I enclose 5d. in stamps.

Name

Address

R.R. 2.

Satisfied—More or Less.

UNLIKE most of your correspondents, but nevertheless in accord with a large number of listeners, I must commence with an appreciation of programmes from YA stations, particularly 2YA, with its length of service. As regards evening programmes, it would seem that the best local talent available is obtained. With the growth in numbers of listeners, and so in revenue, we look forward to improvements in service, more especially in regard to orchestras.

I consider that a change to Government control would be the most unfortunate policy in the interests of listeners. No effort of the imagination is needed to realise the quality of service we would eventually receive under those conditions.

Experience of advertising from Australian stations makes abhorrent any suggestion of its intrusion here. However, I am unable to offer any other solution as regards revenue for "B" stations—that is, if it is considered necessary to retain more than half of the present number, which I doubt. It must not be forgotten that they undertook broadcasting with a full knowledge of the conditions of granting licenses. The use of advertising would not add to their popularity.

The transmission equipment of YA stations could no doubt be brought more up-to-date. Also, all stations except 2YA should be provided with much greater power. The provision of efficient stations in the main provincial centres is certainly needed for relaying purposes, also giving local news and sports services at present sadly lacking.—Hopeful.



While we welcome the expressed views of listeners on topics pertaining to radio, we ask that these communications be kept to minimum length, as heavy demands are made upon space. Mere reiteration of arguments cannot be accepted for publication, and we cannot take responsibility for views expressed. Address communications to the Editor, and sign all correspondence, though a non-de-plume may be used for publication.

Broadcasting Control.

MR. H. B. ROBB, secretary of the Orpheus Musical Society, writes to state that his society was not represented at the meeting of the 2YA Musical and Dramatic Committee, which on July 6 passed a resolution condemning any form of political or semi-political control of broadcasting, and urging the Government not to effect any alteration of the existing system. Mr. Robb states that the name of the Orpheus Musical Society should not have been used in connection with the resolution, the matter not having been considered by the society.

Down on Hollywood.

CERTAIN features of the morning and afternoon sessions of 2YA have lately aroused my indignation. I am a housewife, who, occasionally, likes to turn on the wireless in the hopes of hearing something to lessen the monotony of domestic routine. The highly-flavoured, highly-coloured accounts of Hollywood and its "glorious" homes, and "gorgeous" inhabitants, and all the other adjectival superlatives used to describe the wonders of the film colony are boring and tiresome to housewives like myself, who want entertaining; it is tiresome to have to listen to the glorification of million-dollar-alimony film stars, their diet, wardrobes and other idiosyncrasies. Surely there are thousands of worth-while women in the world of whom we could hear. Hollywood described at "land of make-believe," and "romantic," may be quite authentic, particularly when one remembers its extraordinary divorce statistics; I know I chortle in sarcastic humour over the glowing accounts of the hectic, "busy" lives lived there. One cannot help Hollywood, but are we not sufficiently far away from it to ignore certain phases of American life that just do not appeal to us? We have the talkies forever glorifying the American girl; thank goodness one can stay away if necessary. But when you consider the wireless licenses and incidental expenses of owning a set, surely the subscriber is entitled to something a bit more intelligent than the example of Hollywood. To women like myself it is all so much tommyrot. Why not the lives of a few notable Englishwomen for a change, and by notable, I do not mean notorious!—"Tooth-Grinder."

Advice to YA Services.

THE vast majority of local listeners would, I fully believe, fight hard to prevent the loss of the extra programmes

provided by station 2ZW, as these programmes have taught listeners what radio reception can, and ought, to be. The YA stations must bring their service up to date if they want support from the public, for there is no doubt that some hundreds of licenses would not have been renewed under the old order of things. 2YA has improved a lot since "competition" started, but there is a long way yet to go along the road to perfection. A suggestion for improvement: Cut out two-thirds of the "Jazz-record-fox-trot" stuff, reduce the "news and reports" section, as most of it is stale to people who have already read their papers; then either buy a couple of new "mikes," or get present ones overhauled by an expert to try and remove the "rasp" from our popular announcer's radio voice. Lastly, take a vote among licensed listeners and get a general opinion from this as to what the public really want, and which stations they prefer. Radio to-day is a public necessity, for which the listener pays; he must get what he pays for, or he will stop paying—and then what?—"Eos."

Share Quotations.

I WOULD suggest that at some time between 12 and 1, say, 12.30 p.m., 2YA should interrupt its musical programme for a few minutes and give the morning share quotations. This would be of much benefit to country shareholders, who could then advise their sharebrokers accordingly for the afternoon market. I am sure that such an action would be greatly appreciated by listeners.—DX150C.

Appreciation.

MAY I express very sincere appreciation of the performance broadcast by Signor Cesaroni and his operatic company. Despite the absence of orchestral accompaniment, "Cavalleria Rusticana" was most enjoyable, as also was Signor Cesaroni's singing of the "Pagliacci Prologue." Such performances as these add considerably to one's enjoyment in this "opera-less" country, and are very welcome.—Zedder."

Good Reception First.

PERHAPS the views of a common type of listener might be helpful. I am one of those whose ideal of radio is 100 per cent. reception. I am not concerned with where it comes from, whether from long distance or only across the street, so long as the reception is clear and undistorted without marked fading. In my district, reception is far from satisfactory at the

time when I can settle to listen in, viz., between 8 and 10 p.m. I have no complaint regarding the quality of programmes. They are excellent, but in the evenings reception is not usually good, and 2YA is quite impossible to listen-in to on account of distortion, while the other three YA stations fade rather badly. On the other hand, the two Palmerston stations come through perfectly (when they are going), and really they are the bright spots of my radio experience. The moral of this is, that it appears that if one is to have the radio playing like a high-class gramophone all the time, the signals must come from a station fairly close. Whatever system, Government or otherwise, that can supply this for me will have my wholehearted support. If it cannot be done without a degree of advertising, well I must say that some advertising would not worry me nearly so much as the poor reception we get here.

In the map published in the "Record" a few weeks ago, proposed relay stations were shown, but Palmerston was not mentioned. This was a disappointment, as I am convinced that listeners like myself who enjoy the music for its own sake, against the mere experiment of getting signals from distant places, will never get satisfaction here until it is relayed from an adjacent station. So far as I am concerned, what I have heard of foreign stations, particularly American, leads me to the conclusion that the dismal, heartbreaking wails that pass for music from them had better be excluded from my set, and left to travel along the heavyside layer without any effort to drag them down on my part. Good music and clear speech from close distance will do me, and I am sure there are many thousands who would back me up in this, and these will undoubtedly support the system which can make that possible.—A. J. Fairweather.

KNOW the time all over the world

with a
DX Clock.
9d. Each.
Box 1032, Wellington.

A YEAR
AHEAD...

1928 Electric Receiver.
1929 Dynamic Speaker.
1930 Screen Grid.
1931 Superheterodyne.
1932 Shortwave.

A year ahead all the time—that's the "Ultimate"—the set that brings no regrets. Don't buy a radio until you have seen this wonderful receiver—a 1932 model ready now, in 1931.

ULTIMATE
SHORTWAVE and BROADCAST
RECEIVER

British Construction

There is an "Ultimate" Distributor in every part of New Zealand. If any difficulty in securing information or demonstration, communicate with—

Factory Representatives:
C.P.O. Box 1778 - AUCKLAND.



In Good Times I.C.S. Men are
The FIRST taken on
and in Bad times they are
The LAST put off!

DON'T TAKE RISKS!
JOIN THE I.C.S.!

Its training has put THOUSANDS of
average men into big jobs — and
kept them there.

DON'T SAY YOU NEVER HAD A CHANCE!

The I.C.S. Illustration Method makes
home study practical

International
Correspondence Schools
(NEW ZEALAND) LIMITED

1827 Wakefield St., Wellington.

Sirs.—Please send me free prospectus giving full particulars of all branches of the profession or occupation before which I have marked X (If your subjects are not on this list, write it here).....

—Architect,	—General Bookkeeper,
—Mech. Draughtsman,	—Station Bookkeeper,
—Structural Eng'g,	—Salesman (any branch)
—Concrete Contractor,	—Shop Card Writer,
—Building Contractor,	—Advert'g (any branch)
—Carpenter,	—Com. Illustrator,
—Plan Drawer,	—Journ'ist (any branch)
—Shire Engineer,	—General Education,
—Shire Overseer,	—Language (G phone)
—Motor Mechanic,	—Special Examinations
—Electrical Engineer,	—Accountant (Inst Ex)
—Elec. Mech. Exams,	—Matriculation,
—Mechanical Engin'g,	—Intermediate,
—Mine Electrician,	—Dental Prelim.
—Aeroplane Engin'g,	—Public Service,
—Aeroplane Rigger,	—Special Women's Dept.
—Textile Expert,	—Dressmaking,
—Plumber,	—Millinery,
—Talkie Operator,	—Shorthand-Typing,
—Bus. Correspondence	

(There are over 4,200,000 I.C.S. Students,
over 26,000 of these being in New Zealand.)
ENQUIRIES COST NOTHING—POST NOW

Name.....
Age.....Occupation.....
Address....."R"

Pulmonas
PASTILLES
for
COUGHS and COLDS

the endless sand. When they left the Hill of the Bell there were only six left and a multitude of white-sheeted ghosts. Mirages taunted them, ever giving hope that their trial was ended, but they vanished into endless sand.

On the last day of the moon they were all but in sight of the desert's edge, and didn't know it, when a sandstorm descended upon them in all its fury. There was red darkness everywhere, and Marco could not be found. He had lain down to die, sobbing, "Oh! My Lord Jesus! Oh, little Golden Bells!"

THE magician in Khubla Khan's court was brooding, and Golden Bells was depressed. "There's rare entertainment for you in the crystal glass," said he. "The warlocks of the desert of the Gobi have a young lad down, and they're waiting for the soul to come out. Come, I'll show you. He started out to preach what he thought the truth to China."

Golden Bells thought it not fun, and implored the magician to save him.

"Well, I might."

And so Marco Polo was brought into the presence of the Great Khan and his beautiful daughter. "There is a welcome for you here, Marco. There is none here will criticise or make it hard for you. There is eagerness for and interest in your message."

So Marco delivered to them the message of Christianity. He quoted the words spoken on Galilee and of the life and death of Christ, and they listened intently. But the great Khan seemed disappointed, and when he had finished Marco was conscious of two things—the politeness of the Chinese and the pity in the eyes of Golden Bells.

He had a private audience afterward, but Kubla Khan would never believe without miracles. His popes and magicians could perform them, and the word of the ardent Christian would avail little until he could perform like miracles. "But, sir, it was a great miracle that brought me out of the desert of the Gobi."

"A miracle of the Lord's! A miracle of Golden Bells here. Her magician saw you and sent out the desert patrols."

BROKEN in spirit, Marco turned from the court, but Golden Bells restrained him. "Aren't I your convert, Marco Polo?"

Marco sat in the jasmine encircled garden and spoke of Christ, but Golden Bells thought it a tragedy that in such a beautiful garden on such a beautiful night they should be talking of what happened long, long ago. She admired him for his earnestness and was happy in his presence. No longer could she sing of lover deserted, for even the moon smiled. She was happy—very happy.

"There is little in your faith about women. Must not the young men look at the young women?"

"No, Golden Bells, the young men must not look too much on the young women."

Golden Bells couldn't understand. Her religion taught admiration of the beauty of women. Why must they not look upon them with their eyes? "Look at me, Marco Polo. Is there evil in men that you must avoid? Do I hurt your eyes?"

Marco was afraid of sin, but to the Oriental there were only two sins—meanness and cruelty—and she knew that in Marco there was neither. He

was all too difficult for Golden Bells, and in despair Marco Polo made preparations to return to Venice. A pain stabbed the princess at such a thought, and she implored him not to leave the beautiful moonlit garden. But he had come for converts. He would return and become a white monk in a monastery, where he would pray for Golden Bells.

"I want to be loved, not prayed for, Marco Polo." She stamped her foot. "And there you have it out of me and

American Rebroadcast

From 1YA and 3YA

ARRANGEMENTS have been made for stations 1YA and 3YA to rebroadcast a special programme radiated from Cincinnati, Ohio, by the broadcast station W8XAL. This programme has been specially dedicated to New Zealand, and, if conditions are good, an interesting and unique programme should be able to be heard by New Zealand listeners. W8XAL will be on the air at 10 p.m., but the programme will not commence until 10.15 p.m.

W8XAL is the new short-wave subsidiary station of stations WLW and WSAL, and broadcasts programmes of international interest. In addition, this station broadcasts many programmes of its own, built up particularly for rebroadcast in other countries.

The frequency is 6060 k.c., 49.5 m., power 10 k.w. The schedule is as follows: 11 p.m. to 3 a.m., 6 a.m. to 8 a.m., 11 p.m. to 6 p.m. (N.Z. times).

The address of the station is 'Crosley Radion Corporation, Cincinnati, Ohio.'

They will be pleased to receive reports of the rebroadcast from New Zealand listeners.

great shame to you for having made me say it that was desired by many. Surely 'tis not the wish of the Hard God you are making out of the Kindly person, that would have my heart broken. I'm sorry I've said it, but I'm afraid of losing you."

And as she sobbed in his arms the battle, the disappointment, and the fear went out from him. And the great poet in the great court wrote another song—the marriage song of the Golden Bells.

YOU next see Marco Polo seventeen years after he had come to China, and fourteen years after his wife, Golden Bells, had died. He was a ruler of one of the provinces of the great Khan, a lean, hard man, one of the straightest in ministering justice. All knew of his great suffering, and they made allowances when he was moved to anger.

He had come in from one of the borders of the Arctic lands and the great Kubla Khan came to him from his bed, for he was dying.

Marco must go back to Venice. He had done nothing to dissatisfy the great ruler, who loved him even more than he did his own sons. But when that in Marco there was neither, the died Marco would find things hard,

for there were many who would do him injury.

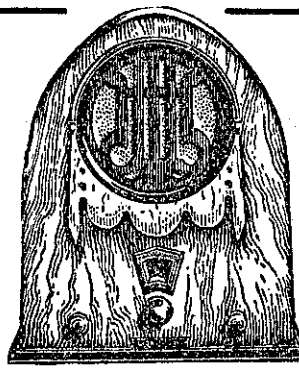
Marco had forgotten Venice, and the willows and hibiscus all reminded him of the happiness that had long since departed. He wanted to stay there, lingering in the garden where he had known Golden Bells. Poet and Sorcerer joined with the King in his prediction of evil days if he did not leave. A sign from her and he would go.

There in the bottom of the moonlight trod little Golden Bells with her eyes pleading, pleading—"Go now, Marco Polo. Go." Her lips moved, but there was no sound. He rushed forward, but there was nothing but darkness.

"I'll be seeing her soon, sir," he said to the Khan. There was a war between the Venetians and the Genoese and he would go right into the hottest part of the fighting. "But it would be just my luck to be taken prisoner and to end my time in some dark goal. But we can only hope for the best." And Marco Polo took his farewell "for the present."—C.W.S.

Interesting Talks

THERE is little doubt that the standard of the talks given from 1YA has improved greatly in the last month or two. For some reason or another there seems to be a tendency among listeners to look upon all talks as "dry bones," but a good talk in which the speaker's voice and matter are well matched should be as entertaining as any other section of the programme, and some of those given from 1YA recently have been "full of meat." The series being given in connection with the International Recorded Programmes is particularly good, and other interesting series are the sea yarns by "Lee-fore-Brace," the series by the Auckland Manufacturers' Association, the dog talks by "Sparwood," and the sports talks by Gordon Hutter.



Arthur Walker, Christchurch.
Bluff Publishing Co., Invercargill.

N.Z. Agents: CRAWFORD & FINLAYSON LTD.
BOX 675, WELLINGTON.

Wellington Agent:

F. J. W. FEAR & CO., LTD.

"What's the Price of Butterfat?"

LISTENERS to 2YA on the morning of Thursday will remember that the first call that went out from 2YA, when contact with London was announced, was "Hullo, London. What is the price of butterfat and Canterbury lamb?" No doubt the motive behind this remark was based on a desire to arouse interest in New Zealand's productions, should any newspaper men happen to be listening. Unfortunately contact with London was a little delayed and the remark was lost. Had it been heard, it would certainly have created a New Zealand atmosphere.

Tips and Jottings

WATER and ordinary washing soda make a good solution for removing any deposits which may have formed upon the terminals of your accumulator.

ALTHOUGH the earlier pick-ups used to have in many cases an adjustment for volume control, most of the modern instruments are "set" before being sold, and this adjustment should not be altered.

LOOK TO YOUR VALVES

Do They Want Renewing?

If so, our unique service for Country Listeners will give your order prompt and accurate attention.

DROP THE C.A.S. A LINE

at

29 VENTNOR ST., SEATOUN,
WELLINGTON

LYRATONE Super Radio

Authorised Lyratone Radio Dealers in New Zealand.

F. J. W. Fear & Co., Wellington.
Exide Service Station, Palmerston North.
Dobbs Bros., Wanganui.
J. M. Wallace, Oamaru.
Ireland & Johnson, Ltd., Dunedin.
B. H. Ross, Napier.
W. Doig, Timaru.
G. Bilderbeck, Masterton.
Kingsbeer's Music Store, Levin.
Stewart's Music Store, Gisborne.
Lightband & Wann, New Plymouth.
Lightband & Wann, Hawera.
D. R. Whisker, Waitaki Hydro.
F. H. Southgate, Blenheim.
H. K. Mann, Pahiataua.

Answers to Correspondents

"DX2HB" (Hastings): Your suggestion concerning envelopes with DX Club monogram is a good one. Alternatively, adhesive seals could be used. What do other DX-ers think?

R.C.O. (Auckland): We have tested your make of receiver and find it to be quite good for DX work. To post you all information regarding DX-ing would be rather too much of a task.

"DX10C" (Timaru): Those entering Australian stations received in daylight for the last DX Competition did not appear to have any difficulty in having this fact acknowledged on the cards. A card marked "Daylight Reception" is accepted.

"DX10NW" (Brunnerton): There are two club members living in Runanga. If you would care to get into touch with them we will forward their addresses.

"DX300C" (Bluff): Thanks for compliment re "Radio Log." We endeavoured to leave several columns for dial readings, but found space would not permit.

"Trapper" (Rangataua): A .0002 mfd. fixed condenser in the aerial will sharpen tuning a little. The fault is probably due either to lack of alignment of condensers or the design of your coils. If you are experiencing interference from a local station a wavetrap would be a practicable way out of your difficulty.

"DX6W" (Otaki): Japanese stations usually give their call when closing down at about 12.30 a.m. In writing for verification give call, frequency, times and descriptions of items heard.

"Snooks" (Wellington): All the New Zealand and eight or ten of the main Australian stations are barred for entering in the DX Competition. The Australian stations excluded will be admitted if logged in daylight, but the verification cards must state this fact clearly. For list of these stations and particulars of the DX Competition see the last issue of the "Radio Log." You do not state the type of receiver you are using, so it is rather difficult to criticize your log.

News and Views of the D.X. CLUB

Addresses and Addresses Wanted

"DX33W" (Raurimu); WGES, Oak Leaves Broadcasting Corp., Chicago, Illinois; KZRM, Manila; KOA, National Broadcasting Co., Denver, Colorado; KSTP, National Battery Broadcasting Company, St. Paul, Minnesota; KFJF, National Radio Manufacturing Company, Oklahoma City, Oklahoma; KFVD, Los Angeles Broadcasting Company, Culver City, California.

To several inquirers: P.K.B.'s (Oamaru) full address is Mr. Philip K. Barling, W.B.H.S., Oamaru, and "Screen Grid" (Ngaio) can be had from our office.

WOULD T.P.G. (Waipukurau) please forward his address?

Identification Wanted

AT 8.25 p.m. on July 22 on 375 m. (800 k.c.), a woman was heard lecturing in French. She spoke clearly and softly. 3LO then came on the air with their 7 o'clock transmission and the station was lost.—"Treasure" (Auckland).

STATION on approx. 382 m. (785 k.c.) heard rebroadcasting 2YA, Wellington, from about 7.15 till about 7.30 p.m. on July 24. Station was about R6 on the speaker, but had a very pronounced ripple. It was between KGO and KTM. No announcements were made.—H. Walker (Bluff).

BOXING match broadcast heard at 2.45 a.m. on July 26. Announcer saying "Stand-by" at the end of each round. 8AR, dial reading 134, stranger 131.—"A Reader" (Papakura).

AT 11.20 p.m. on July 25 station heard on approx. 625 k.c. (480 metres). One number was "I Miss a Little Miss." He was still on the air at 12 p.m.—"Trapper" (Rangataua).

AT 3.15 a.m. on July 26 station heard on 12H's frequency (476 m.) broadcasting a ten-round boxing match. From studio announcer remarked that it was 12.8 a.m. and that the station would be on the air to-morrow morning. They signed off at 3.40 a.m.—"Digger" (Hamilton).

STATION heard on 1250 k.c. (240 m.) at 12.30 a.m. on July 25, just below 2NO on 1245 k.c. (241 m.). Announcer spoke with a decided American accent.

DX Notepaper

DX'ers! Write for that verification on D.X. notepaper and avoid missing out important details. Takes a quarter of the time to write out, too. Obtainable from P.O. Box 1032, Wellington, in two-dozen lots (minimum order), price 1/6, or six dozen for 4/-, post free. Special paper for club members.

Dance numbers and songs were heard.—"Ega" (P.N.).

AMERICAN heard on July 26 between 6.15 and 7.0 p.m. on 1500 k.c. (200 m.). Items included the following: Pianoforte recital, "Keep Your Sunny Side Up," "The Moon Comes Over the Mountains"; accordion items, "When It's Springtime in the Rockies" and "Down On the Farm." Strength R6, with a slight static and distortion. Call sounded like KFGC, and announcer mentioned "Minneapolis."—W.L.B. (Wanganui).

[Note.—Your receiver is quite a good one for DX-ing, although your locality is possibly unfavourable for the reception of American stations.—Ed.]

AMERICAN station on approx. 265 m. (1135 k.c.), heard acknowledging reports from New Zealand listeners. He mentioned two names in Palmerston North, one in New Plymouth, one in Nelson, and several in Wellington. One of the latter was Mr. Sellens.—J.R.B. (Whangamomona).

[Your set is built to suit New Zealand conditions and is quite good for DX-ing.—Ed.]

LOS ANGELES station heard at 6.30 p.m. on June 21, dial reading 78. After nearly every item, which consisted apparently of gramophone recordings, advertisements were given, one being for "McKura" wine. This included a description of their vineyards at Burbank, California. A little later a song, "Sweet Jenny Lee," was heard, followed by other items, mostly vocal, and advertisements one of which was about automobiles. This was followed by an appeal by the Salvation Army. Time given at station, 12.35 a.m. (8 p.m. N.Z. time). Also station heard at 10.0 p.m. on July 14, dial reading 77. (3LO is 79.) A lecture in a foreign language, which lasted for half

an hour, was delivered by a man. At 10.30 p.m. a man was heard singing a song, apparently without music. It was rather weird and monotonous. A short speech—apparently an announcement—was followed by a slight pause, another announcement, and a further song.—E.L. (Auckland).

[We wish every DX-er would follow our your methodical and neat method of making inquiries.—Ed.]

ON July 26 I was listening to an American station, dial reading 39 (1YA 38, 2BL 43). At approx. 5.0 p.m. he signed off, and immediately following another station came on, remarking: "This is station —, and for two hours we are going over to the Baltimore Hotel. . . ." Then followed dance music; strength R5.—"DX23A" (Cambridge).

AT 10.45 p.m. on July 29 station on approx. 231 m. (1300 k.c.) heard playing old-time dance music. Announcer was heard explaining what the "D.A. berts," etc., were. Strength R4.—"Bob" (Lyall Bay).

J.P.C. (P.N.) remarks in the latest "Record" that Station KGL, Los Angeles, does not appear in the latest list. I heard this station for over an hour on June 10 on approx. 780 k.c. (384 m.). Six persons heard the call, so there was no doubt about it.—"DX2HB" (Hastings).

Stations Identified

"DX35A" (Te Kauwhata): KHJ, Don Lee Inc., Los Angeles, California; power 1 k.w., frequency 900 k.c. (333 m.).

"DX3T" (N.P.) and others: 2WL, Wollongong, South Road, New South Wales; frequency approx. 1420 k.c. (210 m.).—"Scotchman" (Whangarei).

"OTEWA" (Otorohanga): KNX, Hollywood, California, 286 m. (1050 k.c.). He signs off at 7.30 p.m. "Hori" (Cambridge): KZRM, Manila, 484 m. (620 k.c.). He usually broadcasts a programme per General Motors. Items are given by the Chevrolet Orchestra. "Fellow" (Auckland): JOAK, Darien; 395 m. (760 k.c.); and JOHK, Sendai, 390 m. (770 k.c.). "Montrad" (Christchurch): WGN, Chicago, Illinois, 416 m. (720 k.c.); power 25 k.w.—"Bob" (Lyall Bay).

"DX9A" (Auckland): KTAB, San Francisco. Address: "Associated Broadcasters, San Francisco, California."—"DX3MW" (Nelson).

"DX5T" (Okato): The latest call-book gives only one German station near 800 kc. (375 m.). This is situated in Hamburg, with a power of 1.7 kw.—N. Jenkins (Masterton).

"NOVICE" (Dunedin): Station heterodyning 40G is JOBK, Osaka, Japan. "Radio Four": Your stranger is quite an old one now, and is a twin station to JOAK, with the same call. It is used purely for educational purposes, with music interspersed. "Detector" (Blockhouse Bay): KMTR, Hollywood. "Fellow" (Auckland): JOHK, Sendai, and JOBK, Osaka, Japan.—J.P.C. (P.N.).

"UNIVERSAL" (Ladbrooks): American below 220 probably WFAM, Cleveland (280 m.), or WTIC, Hartford (282 m.). American below KJR, Seattle, probably KFVD (300 m.).—"Wainui" (Gisborne): American on 1050 kc. is KFBI, Kansas.—P.K.B. (Oamaru).

"SMART SET" (Timaru): JOHK, Sendai, 770 kc. (390 m.).—"Hori" (Cambridge): XOL, Tientsin, China.—"DX240C" (Oamaru).

DX Club Membership

D.X. Editor,
Box 1032,
Wellington.

Dear Sir,—

I am very interested in D.Xing and wish to become a member of the DX Club.

I enclose herewith 2/6 for badge of the {brooch } type
and membership card. screw

I would like also to subscribe to the monthly D.X. magazine, "The Radio Log," and enclose 6/6, being 12 months' subscription, post free.

(Strike out last paragraph if not required.)

My set is a } battery, using
..... a.c.

Name

Address

Nom de plume

(Please use block letters.)



D.X. Topics

ZTJ, Johannesburg.

ON July 25 I heard ZTJ, Johannesburg, at R5, and have written for verification. I wrote to 4LW nine months ago, but have received no reply. From 1.30 a.m. to 2.30 a.m. on July 26 two Australian stations, 2TW, 241 m. (1240 k.c.), and 2EX, Gladeville, 250 m. (1200 k.c.), broadcast a special test transmission for New Zealand listeners. Power of both stations is approx. 15 watts. Has anybody logged these yet. I have heard two stations on the same frequencies, but they were sending out Morse. The new relay station 4RK, Rockhampton, will open on July 29 on a frequency of 910 k.c. (333 m.), power 200 watts. Congratulations to Mr. Stafford on winning the DX Cup.—"Logan Park" (Dunedin).

[Are all those stations in your log verified? If so, why not enter for the DX Competition? We can find no trace of a station KFGE or KFJE.—Ed.]

Well-heard Americans.

2ZH, Napier, was heard testing at 6.10 p.m. on July 26. Reception seems to be stronger than before. Has any DX'er received a verification from 3BA, Ballarat, and 4BC, Brisbane? I wrote a month ago, but have not received a reply yet. Americans which may be heard at good volume any evening are WFAA, WBBM, WENR, and WOAI. KFI can be tuned in like a local at 7 p.m. each evening.—"DX8T" (Mokan).

[Sorry a mistake was made with your district. If you will forward your membership certificate card back to us we will rectify.—Ed.]

Another Newcastle Station.

I HAVE just received a verification from 2AY, Albury, on his new frequency, 1480 k.c. (203 m.). Another new Australian heard on July 24 at 9.30 p.m. was 2KO, Newcastle, operating on approx. 1400 k.c. (214 m.).—H. Walker (Bluff).

Station Particulars.

PARTICULARS of verified stations for any DX'er who may require the information. 3GL, Geelong. Address: Malop Street, Geelong, Victoria, Australia. Power, 50 watts aerial output. Wavelength, 214 metres (1400 k.c.s.). No times of operation. 3EF, Elwood. Address: H. W. Maddick, 91 Spray Street, Elwood, Victoria. Power, 50 watts. Wavelength, 240 metres (1250 k.c.s.). This station is regularly on the air Sunday afternoons and evenings after regular broadcast ceases. 2MO, Gunnedah. Address: M. J. Oliver, Gunnedah, N.S.W. Power, 50 watts (aerial). Wavelength, 225.56 metres (1330 k.c.s.). Radio Bangkok. Address, Post and Telegraph Department, Bangkok. Wavelength, 350 metres (855 k.c.s.). Information as follows: "HSJ is not used for broadcast, but is used for regular traffic with Europe. Communication between HSJ and KEZ (San Francisco) has proved so successful that a relay of the programme from HSJ-OW Broadcast station—transmitted to KEZ, from where the National Broadcast Corporation of America effected a chain broadcast relay through their trans-continental network of stations between San Francisco and New York, on May 15, was successfully carried out."—"Bob" (Wellington).

VUB, Bombay.

AT 1.55 a.m. on July 31 VK4LW, Brisbane, an experimental station Signals rather weak. Also from 2 a.m. to 2.40 a.m., a band concert was heard from VUB, Bombay.—"Wavetrap" (Wanganui).

RV15's New Wavelength.

RE station RV15, S'beria, which seemingly disappeared a fortnight ago, I have now located him apparently a little below his original 70.1 metres—about 68 or 69. I should say. He is there O.K., with plenty of talk and a little music; about R5 at 10.30 p.m. on the "Differential One." There is a slight surge and

an occasional cut-out to-night.—L.L.C. (Christchurch).

Reply-paid Verifications.

I HAVE received verifications from 4BC, both on his old and new frequencies, and from 4BK and 2AY. With reference to International coupons, might I point out that American stations do not expect postage, but each station has its own Ekko stamp. Only some stations send them, however. I have some very nice ones, the

"The Radio Log"

DX enthusiasts and members of the DX Club are asked to forward to the Editor, "Radio Log," Box 1032, Wellington, any paragraphs of interest generally to DX-ers. These paragraphs should relate to changed frequencies, changed calls or location, etc., of stations commonly known to DX-ers. The Editor will be pleased to receive any comments concerning the "Log" from interested readers. The next issue will be on sale on August 25. Letters for publication and other matter should be in the hands of the Editor by the 10th or 12th of each month, as publication date will be approximately the 20th of each month.

nick of them being from KMTR. On one occasion only was any reference made to this stamp. This was station KFRC, San Francisco, who verified reception, but said as I did not enclose 10 cents for EKKO stamp, they had not enclosed the same. If any DX'er particularly wants a station's stamp, the safest way is to send International coupon, although it is very expensive.—"DX9A" speaks of a station KGAB. This station is KTAB, Oakland, California. D.T.H. (Timaru) speaks of KFBI and KMTR coming in at 10.30 p.m. on their early morning sessions. KFBI I haven't heard lately, but I heard KMTR at 11.30 p.m. (4 a.m. their time) on the 26th, "close down till 6 a.m." so to be heard at 10.30 on their early morning session would mean 3 a.m. over there.—J.P.C. (P.N.).

Another European.

"HYDRO" (H.B.) remarks that 3KU, Swan Hill, is a new station. The first card I received from him is dated October 30, 1930, so it is not very new. WABC, New York City, was logged at 4.35 p.m. on July 19, and 2WL was also heard at 7.30 p.m. on the same evening. Between 6.30 a.m. and 7 a.m. on July 24 I heard a foreign station on 1230 k.c. (244 m.) broadcasting talks and music. Talk was foreign. A European call-book gives station as being either in Germany or Austria. On the 26th KSTP, St. Paul, 205 m. (1460 k.c.), came through here at R9 with slight distortion. When he closed down at 7.30 p.m. two other stations could be heard on his frequency. One was KGA, but what was the other? Congratulations to Mr. Stafford and Mr. Ellis.—N. Jenkins (Masterton).

4RK Interfering with 1YA.

I WOULD like to congratulate Mr. Stafford on his splendid achievement in winning the DX Cup. Mr. Ellis made a great effort to repeat his win and the substantial increase in verified stations in this competition makes one wonder what the next six months will bring forth. At 1 a.m. on July 26 station 4RK, Rockhampton, was heard testing on 910 k.c. (330 m.). Reception was very good. If this station is to remain permanently on this frequency and at the same volume I am afraid 1YA's programmes will suffer greatly. At 12 p.m. on July 26, immediately after 2NC, Newcastle, had closed down, KFOX, Long Beach, California, was heard at fair volume, but static was very nearly as loud. KVOO (Oklahoma) was logged for the first time at approx. 6 p.m. on July 26. Next to KFI they were the loudest American on the dial. Station 2ZH, Napier, was on the air on the 26th and 27th testing out his new 100 watts

transmitter and asking for reports.—"Hydro" (Napier).

3ZE, Greymouth.

"DX3T" (New Plymouth): I logged 2 WL at 9.8 p.m. on July 24 and heard him asking for reports from outside his own district. Call is 2WL, Wollongong, and address: "Station 2WL, South Road, Wollongong, N.S.W." Frequency approx. 1420 k.c. (210 m.). Latest loggings are: WABC, New York, 840 k.c. (348.6 m.), logged between 5.30 and 6.0 on July 19 on 2BL's frequency; KECA, Los Angeles, 1430 k.c. (210 m.), and 4RK, Rockhampton, on 1YA's frequency. Heard testing at R9. 3ZE, Greymouth, is taking the place of 3ZR when the latter goes off the air. About 10 weeks ago I sent a report to 4BC, Brisbane, but have received no reply yet. Congratulations to Mr. Stafford on his win, and also to Mr. Ellis, the runner-up.—"DX10N.W." (Brunnerton).

JOBK's Frequency.

A VERIFICATION recently received from JOBK gives his frequency as 750 k.c. (400 m.), power 10 k.w. Any reports on this station are greatly appreciated.—"Snooks" (Wellington).

7ZL's Frequency Changed.

I NOTICE 7ZL, Hobart, has changed his frequency to approx. 600 k.c. (500 m.) from the original 580 k.c. (517 m.).—"Bgb" (Wellington).

Special Programme from KFI.

CONGRATULATIONS to the winners in the DX competition, especially the first two, on their fine logs. North Island has brought off most of the honours and the high logs so far, but when we in the south wake up, they had better look out. On July 19 2EK was R3-4, but QRN was very heavy. I was unable to identify 2TW. At 9.45 p.m. on July 26 KFBI, on a special DX programme, came in at great strength, second only to 2YA. They were offering a

prize of a five dollar gold pin to the sender of the most distinct cabled report. Latest American loggings are: KPCB and WABC. At 5.30 p.m. on July 26 WLS signed off in favour of WENR. The former came in the better.—"DX3NW" (Nelson).

DX Jottings.

FROM 1.30 to 2.30 a.m. on July 26 station VK3HK, Brighton, was heard testing on approx. 210 m. (1430 k.c.). Strength R4. At 6.15 to 6.52 p.m. on July 26 KSTP, St. Paul, was heard on 205.4 m. (1460 k.c.), strength R6. From 8 to 8.30 p.m. on July 28 KFVD, Culver City, 300 m. (1000 k.c.) was broadcasting organ music at R2.—"DX33W" (Raurimu).

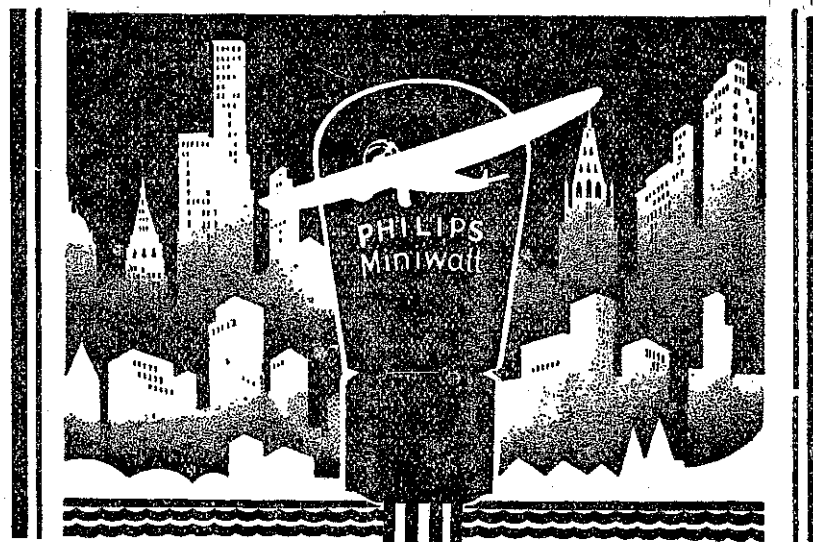
Interference Successfully Eliminated.

I LIVE in a good locality for DX-ing, but until the past month I have been unable to do very much owing to QRN from my d.c. generator. By putting in a filter of two 4 mfd. condensers, across the brushes, and another two 4 mfd. across the line where it leads to the power-house, I have succeeded in cutting out interference completely.—J.L.L.

[For the convenience of DX-ers we have drafted out special DX notepaper. The blanks are filled in as indicated and one can then be sure that no important information is omitted. DX paper may be obtained from our offices, Box 1032, Wellington, for 1/6 for two dozen sheets (post free), or 4/- for six dozen sheets (post free). Special paper is printed for DX Club members. We were very interested in your unique aerial and we are sorry we cannot give DX-ers details of it.—Ed.]

4RK Heterodyning 1YA.

YET another Australian to interfere with reception of the YA stations, 4RK, Rockhampton, on 1YA's frequency, was officially opened on July 29, and its programme was relayed to 4QG. While



Progress!

The Philips Valve is symbolical of Progress because the history of the valve and the history of the commercial radio has been the history of Philips. Always have Philips been ahead in valve design. The latest proof of this is the Penthode—greatest tube achievement of to-day and product of the brains of the scientists in Philips Laboratories.

PHILIPS VALVES W79R

PHILIPS—THE VALVES WITH A PAST AND A FUTURE

Advt. of Philips Lamps (N.Z.) Limited. Head Office: P.O. Box 1673, Wellington. Branches: Auckland—Paykel's Building, Anzac Avenue. Christchurch—226 Tuam Street.

1YA was on—and it was after 11 when he closed down—both programmes were rather jumbled. 4RK came in later with remarkable strength and clarity. I also have a complaint against 4BC for not answering, as I included the necessary stamped and addressed envelope. I still maintain there is no need for 2YA to come on the air at 5.40 p.m. on Sundays, when the other YA stations do not start up until five minutes before the official commencing hour. This may seem a trivial complaint to most DX-ers, but they are not under the shadow of the 2YA transmitter.—“DX1W” (Wellington).

Concerning Verifications.

I NOTICE quite a few DX-ers complain of not receiving verifications from various stations. I am patiently waiting on four verifications from New Zealand stations, to all of whom I sent addressed envelopes and stamps for return postage. These stations would no doubt welcome reports when testing and ask for them, and I am sure many DX-ers like myself would send them, even if verification had been received. The least these stations can do is to reply.—“Silver King” (Auckland).

A Verification from WSUN.

I RECENTLY received verifications from WSUN, St. Petersburg, Florida, on 620 k.c. (484 m.). Power, 1 k.w. at night and 2.5 k.w. in daylight. My report on their reception was first from New Zealand, and the station manager was so pleased to hear that his station signals were reaching out to New Zealand that he had a paragraph concerning my

reception published in their daily paper. It was headed thus: “Man in New Zealand Enjoys WSUN Programme.” It read as follows: “A radio broadcast over WSUN was heard in Okato, New Zealand, according to word received Saturday by the Chamber of Commerce from Spence R. Ellis of that city. [It must have grown since we were there last.—Ed.] Mr. Ellis said he heard the programme on May 7 at 6.30 p.m. St. Petersburg's time was 2 a.m. ‘It was a rough, rainy evening,’ he added, but he distinctly heard three fox-trots played.”

This clipping was enclosed with a verification which runs thus: “This will verify reception of station WSUN on Thursday, May 7, 1931, at 2.00 a.m. E.S.T. We were greatly pleased and surprised that you were able to receive our station. It is very pleasing to us to hear that our station signals reach so far.”

Radio and Weather Conditions.

FOR two years I have been trying to arrive at some conclusion as to the “why and how” of variation in reception strength. To begin with, many distant stations are distinctly seasonal—I mean apart from the question of greater darkness and cooler conditions at the transmitting end. The following seems to be an exception to the general rule: The Texas, Central, Southern, and Central American stations are received with greater regularity during winter than summer—during a season when static is supposed to be very bad in these districts. On the other hand, the Southern Californian stations are just the opposite. The records I have kept have been taken over far too short a period to be

of much value, but one set of facts seems to be emerging from many contradictions. That is, that DX improves as the moon waxes to the full, usually for about four days (or nights), more especially when a cyclonic storm has just passed, as has just happened. Static apart, however, I believe that weather conditions at the transmitting end have far more effect on the reception than at the receiving end. Storms in between seem to have very slight influence, probably because the reflection area is far too high above them to be affected. I always endeavour to listen for the weather reports from the distant stations, but unfortunately many omit this—at least near signing off. The series of “tooth-edged westerlies” experienced last spring and again during this winter, have had a great influence on reception from Tasmania and the Victorian districts. It has been very noticeable that when a “high” is over this area, reception has been abnormally clear and loud, even though the “tooth” would be over the South Island. When the position is reversed, however, it is difficult to get more than a whisper from the above stations. These conditions, however, would not necessarily obtain over the Pacific. Generally, it is quite the contrary, but here again differences occur, as the Japs are not invariably at their best on the same night as the Americans are well received.—“Kairu-uri” (Whangarei).

THE magnification factor of a valve is a figure based on the fact that a few volts on its grid are equal in effect to a larger number of volts upon the plate.

Radio in India

Suggested Service Improvements

SUGGESTIONS of great interest for the basis of a satisfactory broadcasting service in India are contained in an article by Professor G. R. Toshniwal, of Allahabad University, which was published in “The Pioneer,” a leading Indian newspaper.

Dealing with the present conditions he states that the Indian Broadcasting Company, which was floated in 1927, suffered heavy loss, and had to go into liquidation in 1930. Now both the Indian stations are run by the Government, probably at a loss. He gives as the reason for this lamentable state of affairs the fact that there are only a few thousand listeners in the country, the population of which is 300 millions.

He therefore considers that the first essential moves are the production of a cheap and simple set, and the building of a large number of transmitters so that adequate volume can be obtained from such a set. One of the greatest difficulties in connection with transmission is atmospherics and man-made “static”; in Allahabad signals from Calcutta and Bombay, are not only equal in strength to the interference, and in summer the signals are almost drowned.

For diversity of programmes and long distance reception he suggests that each station can be supplied with a low power short-wave transmitter which he states could be done “at a little extra cost.”

To finance this scheme he considers the Government should either start State factories or subsidise a private company for the manufacture of wireless apparatus, and should impose heavy duties on imported goods. In his opinion each of these factories could maintain a transmitter which would lend its service to business firms for sponsored programmes.

In this connection he states: “Even in England, such ‘sponsored programmes’ were the only foundation for a self-sustaining radio broadcasting service.” While this is true for America, the other example he gives, it is not so for England, as we never have sponsored programmes.

Continuing, he advocates the employment, by manufacturing concerns, of foreign skilled labour on a contract basis, and the training of Indians to replace it.

For the programmes he suggests music, lectures, talks, and non-sectarian religious discourses “which will cultivate a sense of toleration and mutual understanding among the various Indian communities.”

He thinks public demonstrations in the use of radio sets should be given and sets should be installed in schools and colleges to interest the younger generation. Subsidies should be given for transmitters in each of the colleges where wireless courses have been taught for the past few years.

**Layerbilt
cells get power
from every inch
of space**

— bigger electrodes
lengthen service and lower internal
resistance means a lower voltage drop
when in active service. Columbia “B”
Batteries give your radio greater clar-
ity, volume and distance: they mean
economy and

Longer Life!

COLUMBIA
TRADE MARK
RADIO BATTERIES

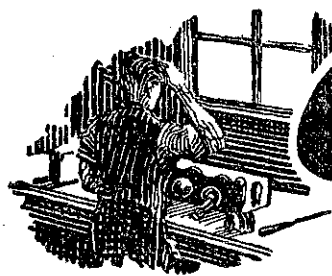
Factory Representatives: Ellis & Company, Ltd.
Chancery Chambers, O'Connell St., Auckland

Use Our Booking Offices in Advance

S.O.S

TRAVEL IN COMFORT BY
OAR

WELLINGTON — PALMERSTON
NEW PLYMOUTH



Questions and Answers



SUBSCRIBER (Taupiri): There are no particular agents for the components about which you inquire, though no doubt if you sent to Johns, Ltd., Auckland, or Fear and Co., Wellington, they would be able to do something for you. In constructing circuits from overseas journals there is always a certain risk involved, unless specifications are complete. You should not attempt to make them up. Why not make the a.c. short-wave receiver described in the 1931 "Radio Guide"? It is almost the same as the one in the July "Radio News," and all specifications are given. Furthermore, this set has been built up and tested in New Zealand, and we know exactly what it will do.

2. When I put my finger on certain terminals a thud can be heard in the earphones. Is this OK?

A.: In all probability, yes. Of course, it all depends where you put your fingers—we would not try too many places.

J.L.B. (Auckland): What should be the size of the core and the number of primary and secondary turns for a transformer to supply 250 volts plus grid bias for two 245 valves in push-pull with a dynamic speaker having a field coil of 8000 ohms in place of one of the chokes?

A.: You will require a 100 watt transformer having a core 1 1/2 in. x 1 1/2 in. A primary of 1140 turns of 24 enam. wire. As there will be a drop of 480 volts through the choke you will need to construct a primary that delivers 800 volts. To do this you must wind 4500 turns on either side of the centre tap, using 32 gauge wire.

N.C. (Masterton): How can I work out kilocycles, etc.? For instance, a station is listed as 95 m., and my set is a five-valve battery one, with three dials. How could I tune in such a station?

A.: Unless you had special short-wave coils you could not. The ordinary set, of which yours is apparently one, will not tune in below 200 m., without being seriously modified. Your dials are probably

calibrated from 0 to 100, but they may be 0-180, as some are. Now the dial numbers 0-100, or even to 180, have nothing to do with kilocycles or wavelength in metres. They are merely convenient numbers that help you to locate a station. There are two methods of working out the whereabouts of a station when the wavelength or frequency is given. The more accurate is by calibration, but we do not have space to tell you how to do this in the "Radio Record." We shall tell you more about it in the "Radio Log." As a matter of fact, an article appeared in the "Radio Record" of June 5 explaining how calibration was done, but we shall go into the subject more fully in the next "Radio Log." The other plan is to listen in and note down the settings of as many stations as you can. For instance, Auckland may come in on 40, Wellington on 65, 2FC on 70, 3AR on 82. Now you put those numbers down, and beside them write in their frequency. Now, you look up your chart and you see that 2BL's frequency is 855 kc. So you see that it is somewhere between 1YA and 2YA. As the number corresponds more nearly with that of 1YA you will presume that it is closer to that station and will look in that direction for it. Once having found it, you mark it down with the dial reading and wavelength or frequency, and so you go on and build up your list of stations until you can tell pretty accurately just where a station will be from its frequency. You could do the same by employing metres, that is, the wavelength, but nowadays, nearly all stations, except short-wave ones, are listed by frequency so you will find this probably the easier.

SHORT-WAVE (Wellington): Could you give me the details and diagrams for adding a power valve?

A.: All you do is to take out your last valve and put in a suitable one—say, B605 type, and then suitably bias it. The chances are that at the present time you are using 7 or 9 volts grid bias. Perhaps not that. If you use the B605, or its equivalent, the bias will have to be brought up to 12 or 15, depending upon the B voltage, and at the same time it would be as well to increase the B to something like 135. By so doing you would get far better results. This combination would give you reasonable quality from a dynamic cone or an inductor dynamic speaker.

2. When winding the moving coil I found it necessary to wind the wire in about three layers, using 36 s.w.g. enamelled wire. Is this correct?

A.: Yes, that will be quite satisfactory.

SPARKS (Tauherenikau): I constructed your "Night Hawk" receiver, but cannot get it to oscillate except when the grid terminal is touched.

A.: Your coil seems to be connected correctly, but you could try reversing the connections to the tickler coil, that is, reverse the wires going to "C" and to Fil. 2. If this does not act try a few more turns on the tickler coil.

2. I am using B406 as detector. Is this satisfactory?

A.: Decidedly not. B406 will not oscillate easily. It is a power valve. Use A409 or, better still, A415. Do this before interfering with the coil.

3. Can the "Ranger Two" be used for short-wave, and if so, will you be publishing details?

A.: Yes, the "Ranger Two" can be used for short-wave, and if you construct a set of coils such as used in the "Kes-

trel Three" and couple the aerial such as shown for the s.g. valve, you should get satisfactory results.

SUPER SET (Balclutha): Would you please give me particulars regarding the ground antenna used in America for eliminating static, etc.?

A.: Yes. A trench 100 feet long and about 6 in. or a foot deep is dug. In it run a hosepipe, an old one will do, with the holes plugged up with tape or some other insulating substance. Into this pipe push a wire, preferably enamelled 7/22, like what would be used for an ordinary aerial. Block up the distant end of the pipe and near the wall of your house leave one or two feet of hosepipe protruding. This will serve as a lead-in shield for your underground aerial. You will find the aerial will reduce not only static but also signal strength. However, the Americans seem to think a great deal of it.

G.G. (Gisborne): I have constructed a short-wave set with valve base coils described in the "Radio Guide," 1931. I cannot get the set out of oscillation.

A.: Take a turn or so off the ticklers of the various coils. The tickler coil is usually the cause of oscillation trouble, although usually the reverse—the set cannot be made to oscillate. We note that you would appreciate a few articles about looking after your set, and we will keep this in mind, and from time to time supply articles that should meet your needs. If any reader has any suggestions about future articles to help those who are well away from service men, please let us know and we shall do what we can in the way of having them prepared.

A.D.R. (Karori): I have made the "Rejector Two" crystal set, but unless I reduce the volume I cannot separate 2YA and 2ZW. I am using a .00035 condenser. Is this satisfactory?

A.: Yes, a .00035 condenser is satisfactory. We cannot explain why you cannot separate the two stations, and strangely enough we have found that some constructors have been unsuccessful, while others have been perfectly successful in separating the two stations. We can appreciate this difficulty, because we have found that in some places the "Rejector" will work satisfactorily, while in others it is unsatisfactory. Your best plan is to construct a wave-trap such as that described in the same issue of the "Radio Record," and use this in conjunction with the "Rejector." You will find then that you will be able to cut out 2YA without trouble.

H.F.M. (Wellington): I am desirous of building a three-valve all-wave electric radio set. Could you supply me with a diagram?

A.: We suggest your using the circuit of the "Advance" a.c. short-wave receiver described in the "Radio Guide," leaving off the two push-pull stages.

A.MATEUR (Waiorongomai): I am experiencing difficulty in getting my storage battery recharged. I have a shearing machine engine. Is there any arrangement I can fix on to it so that I can recharge my own battery?

A.: Yes; you could use a motor-car generator which you should be able to

pick up from a garage fairly cheaply. We should advise you to write to Messrs. Johns, Ltd., Auckland, as they will possibly be able to help you in this respect. It will take a fair amount of running to charge your battery fully. If you have a car or a lorry it would be possible to change your radio and car battery over when run down a little. You would find, we think, that using the car a great deal in daylight would keep the battery fully charged.

DX2HB (Hastings): Could the leads to the individual earths of the Pierce earth system be connected to a copper plate which is attached direct to the earth terminal, and would aerial wire be suitable for the lead?

A.: Yes, you could follow all the wires to a copper distributing plate, and you could use aerial wire for the leads to the individual pipes. Your sketch appears to be quite in order.

RED BIRD (Wellington): I have an a.c. receiver which has been operating for 12 months. Are my valves losing their emission?

A.: We refer you to matter concerning valves and their emission which is published elsewhere. No doubt the valves are now well past their pristine glory, and you would probably notice an improvement were they renewed. However, try first renewing the 280 valve, as this supplies the direct current to all the valves and has a big effect upon the efficiency of the set.

2. What make of valves do you recommend?

A.: We regret we cannot recommend specific makes. Two or three makes of valves are recognised as being standard, and we should advise you to use one

CORRESPONDENTS must attach this coupon to all queries sent to the Technical Editor (Box 1032, Wellington). Limit three questions, unless letter is accompanied by 1/- fee.

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.

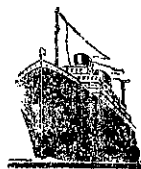
Solving trouble, as different from advice, is difficult by correspondence and while letters are given every consideration, answers are not necessarily correct—they are only our opinion based on the matter supplied which may be quite inadequate. Intricate and involved specifications cannot be supplied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

JOHNSON'S WIRELESS AND RADIO SCHOOL

There is remunerative employment for qualified radio men on shore and ship. The up-to-date methods of instruction and modern equipment provided at the school enable the student to obtain a most thorough and practical course. All papers connected with the Correspondence Course are promptly corrected in New Zealand.

Day and night classes for Professional Certificates, Correspondence Classes for Professional Certificates, Correspondence Classes for Amateurs and others. Write for Particulars to Department A.

JOHNSON'S WIRELESS & RADIO SCHOOL, St. George Buildings, 8-10 Brandon Street, Wellington.



of them. The make you mention is first class. However, see the advertisements in this issue and you will get some idea as to what types of valves are offering.

G. B. (Auckland): I have a six-valve electric set, but only local stations come in well. Australians are very faint. I have a reasonably good aerial and a good earth.

A.: In all probability the condensers are out of alignment and we do not advise you to attempt to put them into alignment yourself. Call in a reliable radio serviceman and ask him to trim them up for you. You will then find that you will get very much better results.

E. A. B. (Hastings): I wish to use a helix with an iron core to attract a piece of iron to complete a circuit. What number of turns must I employ? The mains are 230 volts d.c.

A.: You will require a d.c. lamp of about 30 watts, and this must be connected in series with the helix. To make the helix, take a piece of soft iron rod about 1/2 in. in thickness and 6 in long, or perhaps less, and wind round this one layer of, say, 22 d.s.c. wire. There is no need to put any insulation in between the iron and the wire. You will

find, we think, that this will operate quite satisfactorily. Do not use this device without the lamp in series. You will find that it will light every bit as brightly as an ordinary lamp. Nothing in the helix is critical except perhaps that you have soft iron and not steel.

NUMBSKULL (Levin): What length of aerial should I use with an all-wave set?

A.: Not more than 100 feet and make it as high as possible. Two poles are preferable to one.

2. Is there any advantage in having an aerial higher than 40 feet?

A.: Yes, providing you do not thereby add too much to the length.

3. At present I have a 120ft. aerial 30ft. high, and experience difficulty in separating stations up to 20 on the dial. Can I remedy this?

A.: Below 20 the stations are very closely packed. However, a shorter, higher aerial would probably be more effective. The use of a .0001 or .0003 condenser in series with the aerial would sharpen up tuning a great deal.

L. I. B. (Christchurch): Can you give me particulars of a short-wave adapter suitable for an electric eight-valve superheterodyne midget set?

A.: Yes; one of the superheterodyne type of sets would be quite satisfactory, but you must couple it to the grid of the intermediate frequency valve. Before you interfere with your set in this manner we should strongly advise you to write to the New Zealand agents for the set (Box 462, Auckland).

2. How is the (R1-10) speaker strength of a station being received arrived at?

A.: Unfortunately it is all a matter of comparison. You must take R9 (R10 is never used) as the strength of your local station and grade between this and audibility. You will find a table with more information on the subject in this month's "Radio Log."

3. I wish to use headphones on the above set. Could you give me particulars of how this will be done?

A.: Yes, look in the constructional columns of this week's "Radio Record."

F. C. G. (Wanganui): I have a set which satisfies me in all respects but in that I cannot get the American stations as strongly as I wish, or as many of them as I would like. I am advised to have a screen-grid valve fitted instead of a 227 detector. Do you think the result would be worth the expense and trouble?

A.: No. However, on this point you could obtain more information by writing to the Wellington distributors for your set. If you look at one of their advertisements you will soon find the address. Also, judging by its performance, there cannot be very much wrong with your type of set.

2. Is there any reason why an efficient man should not be able to fit one of the 10 in. speakers in my set? Have heard one of these speakers and consider them the last word as far as tone and volume are concerned.

A.: He should have no difficulty at all, providing he understands matching it into the circuit.

3. The set distorts when on full volume.

A.: We do not know of any set with three stages of radio amplification that does not.

"PEANUT" (Christchurch): I wish to build a transformer to supply a transmitter employing one UX 245 valve. Could I use the wire, a sample of which I enclose, for the job?

A.: The gauge of the wire is 30 d.s.c., and is not particularly suitable for the job you wish to perform. The trouble with this type of wire is that coupling takes up far too much space. It is better to use enamelled wire and layer insulate it. To use the gauge you mention would produce a very bulky transformer.

2. Which transformer in the "Guide" should I construct for a 245 transmitter?

A.: The 100-watt will be quite satisfactory.

3. Should I double the number of turns for the h.t. and take out the centre tap if I use the "slop" rectifier described in the "Radio Record" article "Breaking Into the Amateur Game"?

A.: Yes, if you use it in the full-wave rectification circuit.

"BEGINNER" (Auckland): I have an eight-valve s.g. set and the selectivity is not what it should be. My valves are 15 months old. Do you think it would help if I replaced my power valve and detector?

A.: Selectivity trouble is rarely due to defective valves, but it has been traced to this cause. Generally to improve the selectivity of a factory-built set you can do very little other than shortening your aerial, or the use of a .0001 or .0003 condenser in series with the aerial, which is the same thing as shortening it. If your valves are 15 months old, then we

certainly think you should replace the detector, the rectifier and the two push-pull power valves. If you replace the whole set you would probably get far better results.

L. F. C. (Christchurch): Here is an interesting point raised by this correspondent. He says: "My Differential One" continues to give good results. Over 100 New Zealand amateurs have been logged on shortwave. For speaker reception I couple the "Differential One" to an a.c. broadcast set through a 34-1 audio transformer, whose secondary leads go into the gramophone jack. This has proved quite satisfactory.

"PUSH-PULL" (Mata Mata): What are the resistances required for a power pack for the a.c. Radiogram using one 224, two 227, two 245 valves? The transformer will supply 300 volts, 100 mamps, and the choke has a drop of 17 volts.

A.: Between your maximum "B" voltage, 233 volts, and "B-" you will require a tapped resistance totalling 20,500 ohms. This could well take the form of a 75 watt dissipation resistance, and you could get the clips and place them at the correct intervals. These are the resistances between the taps. Between the maximum and the first tap you will need 5000 ohms. This will deliver 180 volts. Between this tap and the next you will require 8500 ohms to provide 75 volts for the screen. To break this down to 45 volts for the detector you will need 2500 ohms and between this and "B-" 4500 ohms. The bias resistances are all given in the back of the "Radio Guide" which you must be using if you wish to deal with the "Radiogram Five." You will find them on page 169, but, if you have a first edition, note that the grid bias of the 224 is 4000 ohms and not 400 ohms. Note that for pushpull amplification you halve this, thus for the 245's in pushpull you will require 7500 ohms.

2. What pushpull output transformer would you advise with the Radiogram, O.P.3C or O.P.4C?

A.: O.P.3C, ratio of 9 — 1
15 — 1
22 — 1
O.P.4C, ratio 25 — 1
40 — 1
66 — 1

"CRYSTAL" (Auckland): The query was answered last week under the nom-de-plume "G.O." Auckland.

We note your request for a future article on Crystal Sets, and shall see what we can do for you.

"AUTO MECH." (Mt. Albert): There was published some time ago in the "R.R." a circuit diagram of an a.c. short-wave super heterodyne adapter. In the list of components in this circuit the detector grid bias resistance was given as a variable resistance having a minimum of 50,000 ohms, whereas in the 1931 issue of the "Guide" the value was given as 5000 ohms. Which is correct?

A.: The 5000 ohms, as given in last week's "R.R."

2. If unable to procure 60 ohms centre tapped resistor for the filament supply, would a 50 or 75 ohms be satisfactory?—Yes, quite.

3. What should be the capacity of the condenser C5 when the input stage of a receiver is of the tuned type?

A.: As stated. It does not make much difference if the arrangement is coupled to a tuned r.f. stage. Once the set is tuned it will be quite satisfactory.

Mr. Radio Fan
Puzzled. Want the latest?
"Tune in" on these publications at

N.Z.'S OWN RADIO BOOKSHOP

THE TE ARO BOOK DEPOT, WELLINGTON.

Our Mail Orders are growing daily—What about yours?
Our latest catalogue appears in the weekly issue of "Radio Record." New stocks every overseas mail.

NEW ARRIVALS:

"Radio Handbook, 1931," by Moyer and Westrol (Includes Television and Sound Motion Pictures), 25/8.
"Modern Sets, 1931" (2-3-4-Valve Battery and A.C. Sets, L-W Amplifier and special S-W. Set, 1/8 (N.Z. conditions).
"Radio Physics Course," by Ghirardi, 14/8.
"Radio: A Study of First Principles," by Burns, 13/2.
"Mathematics of Radio," by Rider, 11/2.

ALSO LOOK AT

Gernsback's Official Radio Service Manual (complete directory of all commercial wiring diagrams), invaluable to servicemen, 22/6. Published price.
101 Hook-Ups, "Radio News," 2/6.
Short-Wave Manual, 1930, "Radio News," 2/3. Complete A.C. S.W. with P-P, etc., etc.
1001 Radio Questions and Answers, 1930, "Radio News," 2/9. D.C. to A.C., etc. Handbook, 1930, "Radio News," 2/9. Radio Wrinkles, etc.
"Radio," U.S.A. National Trade Magazine, 1/9.
"Cameron's Sound Motion Pictures Encyclopedia," 18/6.
"Wireless: The Magic Carpet," 5/- (Technical Editor "Radio Record" says no set owner should be without it.)
"Practical Radio Telegraphy," by Nilson and Hornung, 18/-.
"Practical Radio Repairing Hints," by Rider, 13/- (Don't miss it.)
"Practical Radio Construction and Repairing," by Moyer and Westrol, 15/6.
"Radio Times" (English weekly), 4d. per copy.

"Radio Amateur Handbook" (Handy's) 8th edition, 5/3.
"Radio Amateur Call Book" (June, 1931), 5/3.
"A.R.R.L. Log of Amateur Stations," 2/-.
"Radio Log and Lore," 2/- (The World's best Log of the World).
"Radio Log" (N.Z. Monthly), 7d. per copy.
"Radio Review of Aust." (an effective S.W. Twin set), 1/1.

THIS LIST:—

"All About the All-Electric," 1/9.
"How to Electrify Your Radio Set" (U.S.A.), 1/10.
"Radio Operating Questions and Answers," by Nilson and Hornung, 14/-.
"Theory of Radio Communication," by Filgate, 12/-.
"Principles of Radio Communication," by Morecroft, 41/6.
"Elements of Radio Communication," by Morecroft, 19/-.
"Direction Finding," by Keen, 27/-.
"Thermionic Vacuum Tubes," by Van der Bijl, 26/-.
"Radio Receiving Tubes," by Moyer and Westrol, 14/-.
"How Radio Receivers Work," by Roberts, 8/-.
"Radio Design," Vol. 3, No. 4, 1/1 per copy.
"Radio Engineering" (a monthly issue), 21/- per annum.
"Radio Record" D.X. Forms, 1/8 two doz. posted.
Radio Time-table for New Zealand, and List, etc., of World Stations heard in New Zealand, 5d.
D.X. Clock, 10d.

PRICES QUOTED INCLUDE POSTAGE.

WRITE US NOW.

TE ARO BOOK DEPOT

64 COURTENAY PLACE, WELLINGTON.

"The Valve With the

Life-like Tone."

TRAIL BLAZER OF



THE INDUSTRY

Specially selected by
Manufacturers because

America's Leading Set
of their reliability.

OBTAINABLE AT ALL GOOD RADIO DEALERS.

4. The condenser C3 is shown on the diagram as a fixed condenser, whereas in the components it is referred to as a tuning condenser. Which is correct?

A.: The word "tuning" was put in inadvertently.

AY JAYEM (Kelburn): What is the difference between square law and linear detectors?

A.: A detector is linear when its output at audio frequency is directly proportional to the radio frequency input. Such detectors produce a small percentage of distortion with fully modulated signals in comparison with the larger percentage of distortion produced by other detectors. Anode bend or power detectors are linear only on a small proportion of their operating characteristics. Square law detectors are the ordinary detectors, that is, the audio frequency output voltage is proportional to the square of the r.f. input voltage. These detectors produce some distortion, especially if the detector is modulated at fairly high percentages.

"EXPERIMENTER" (Orari): We regret we cannot supply designs of receivers. We advise you to follow very carefully the series of articles that will start next week on the super heterodyne receiver, and note the set to which it leads up. This will probably do away with a large number of your troubles.

N.Z.D.X. (Auckland): I have a two-valve set. What is the best method of adding an audio frequency stage (three electrode)?

A.: We cannot tell you in a few words. You had better wait until the description of the "Ranger Three" comes out. It will be on the way shortly. The same applies to a radio valve. It is very difficult to outline constructional details such as this in the limited space we have available for Questions and Answers.

O. KAY (Blenheim): Is it possible to use the "Sparrow Hawk" adapter with an a.c. set?

A.: Yes; if you employ batteries for the "Sparrow Hawk" and use the circuit shown in Figure 2, shown on page 111 of the 1931 "Guide." Why not attempt building the super-heterodyne adapter also described in the "Guide"? It will really be more suitable for an a.c. set than the "Sparrow Hawk." The "Sparrow Hawk" would give easier tuning, but you would have to put up with batteries.

GREGG (Dunedin): I have had great results with the "Differential One." It is remarkable that such a small set can give one such world-wide reception. I have had good reception from England, Holland, France, Russia, Indo-China, Java, America, Australia, and some N.Z. amateurs. I am using two four-volt valves, with 45 volts "B" battery. As I wanted the set primarily for shortwave work I bought two .00015 variable condensers. However, hand capacity is a little bad. Can you tell me:

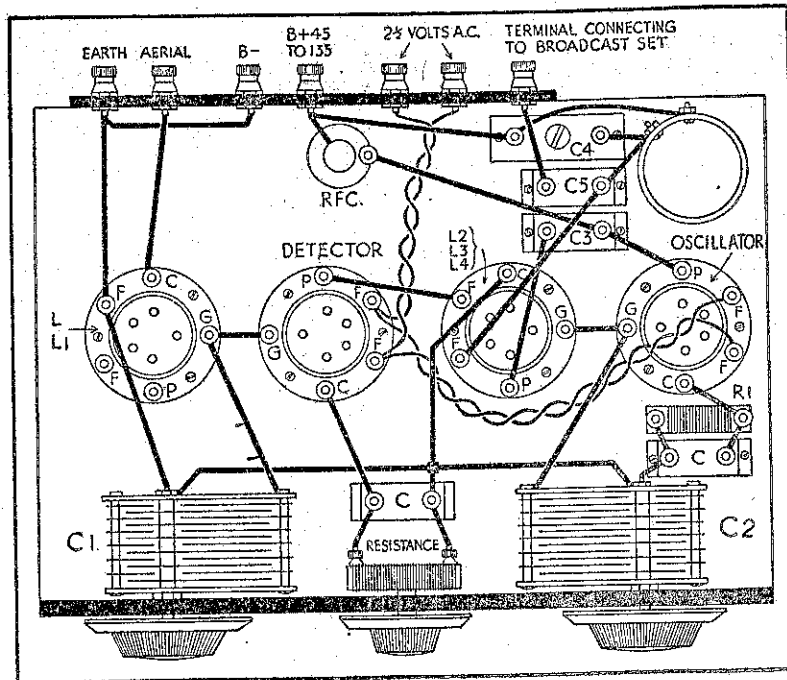
1. Which are the most suitable condensers to use with the Differential One coils?

A.: For the tuning double space .0001 tuning condenser. Reaction, .0002 or .00025 differential condensers.

2. Will I need to alter the coils?

A.: Not if you use these condensers.

3. When I tune in a station I have to sit very still to keep the set from squealing. If I touch the 'phone cord,



Layout of A.C. Superheterodyne.

headband, or 'phones the set squeals or else the signals fall away.

A.: This is a variety of hand capacity which shielding the set would stop.

4. I would a choke of approximately 150 turns 30 d.s.c. wire and put it in the "B" plus lead at the phone terminal but it has not effected any noticeable improvement. On one of the bands oscillation is plospy and it will not oscillate over the whole dial.

A.: To overcome plospy oscillation the best plan is a potentiometer grid return such as is shown in the theoretical diagram of the "Kestrel Three."

5. What is the remedy for dead spots?

A.: The use of a midget condenser in the aerial or altering the number of turns on the primary coil, generally taking a turn or so off.

6. Would a PM4DX be more suitable than a PM3?

A.: Yes, PM4DX is a special detector.

7. Would it not be better with more plate voltage?

A.: In all probability not. So long as your set will oscillate, additional voltage would be of no advantage.

8. Would it be advantageous to use a "B" battery with the one valve?

A.: No, it would be impossible. You would have to use anode bend detection, which would not give you the results that the grid leak detection does.

9. I have heard a broadcast from the local stations on the Differential One. Does this indicate a fault?

A.: No, you are really tuning them in on one of their harmonics. Note: We are pleased to hear of your good results and think that if you use the .0001 double spaced tuning condenser for tuning and .0002 or .00025 differential reaction, you will have vastly improved results. The squealing may possibly be eliminated by reducing the detector voltage until the set will just oscillate. Furthermore, the incorporation of the potentiometer grid return will no doubt be beneficial.



There is a JEWELL Measuring Instrument for every type of Radio and Electrical Requirement. If unable to obtain, write direct to—



Factory Representatives for New Zealand:

ABEL, SMEETON, LTD., Customs Street East, Auckland.

stability seems satisfactory, when the volume is turned down a pronounced ripple appears. I have effected an improvement by by-passing the plate resistor with a 2 mfd. condenser, but the ripple reappears when the volume is reduced to a comfortable degree.

A.: Are you drawing the screen voltages from the same source? If so, provide r.f. chokes in the lead to each. Furthermore, there should be chokes in the plate lead and these, if necessary, should be by-passed with midget condensers to earth. It is probable, too, that some of the ripple about which you complain is due to the method of controlling volume. The volume on the ordinary valve should not be controlled by varying the bias, but the screen voltage should be varied. Your plan is quite satisfactory for multi-mu valves, and if you were using these, probably you would find many of your troubles would disappear.

(h) The tone appears to be shrill and piercing on radio, but O.K. on the pick-up.

A.: We think this trouble is due to the same cause as that responsible for the before-mentioned trouble, and if you get to the bottom of that, following the lines we have suggested, the shrillness will disappear.

CONDENSER (Marton): I am troubled with interference from power lines running about thirty yards from my aerial. Can I do anything to eliminate the noise?

A.: Keep your aerial as short as possible and higher than the interfering lines if possible. Make the flat top very short and shield the lead-in by using special armoured cable and earth the armoured portion. Try a separate earth, or rather a different earth from the one you are using, if possible in a different location. Arrange your aerial so that it is at right-angles to the noisy power line. Communicate with the District Radio Inspector and complain about the noise.

2. When I touch the fixed plates in a condenser the volume drops right away. The same occurs with two others, but hardly any difference is noticeable on touching the fourth.

A.: This is quite in order. It is due to the potential on some plates being higher than on the others.

SPARKS (Marlborough): Would it be possible to build a one-valve short-wave adapter for my commercial set?—Yes.

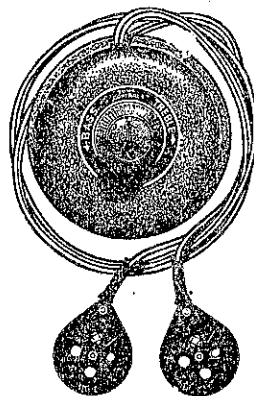
2. Could you suggest one?

A.: One of the super-heterodyne types such as described in the last "Guide" would be most satisfactory, although a battery adapter such as the "Sparrow Hawk" would also work quite well.

3. What would be the approximate cost of the a.c. adapter?

(Concluded on page 30.)

TONE CONTROL as featured in the Latest Electric Sets



Bring your set up to date by fitting a MOZART TONE CONTROL, Panel Type. 17/6

Standard Model, as illustrated 19/-
Postage 6d. extra.

It Softens and Dulls Harsh Static and Gives a Uniform Control of Tone.

You simply plug it in. NO SKILL required. Then your set has TONE CONTROL and is up-to-date.

Wholesale and Retail from

F. J. W. FEAR & CO.

63 WILLIS ST., WELLINGTON.

Telegraph "FEAR."

Fitting Headphones to an All-Electric Receiver



MOST radio enthusiasts have at some time or other wished to connect headphones or other loudspeakers to their all-electric radio set, but they have not done so, as they have thought that the task was too complicated.

This article describes three ways of fitting headphones to an all-electric radio set; the first method is for sets whose last audio stage is push-pull and requires no alteration to the set or speaker; the second method, for sets whose audio stage is push-pull, makes a more permanent job than the first method, but entails altering the dynamic speaker. This is not a difficult task, but it is only practical if the output transformer is in the base of the speaker. The third method is for sets whose last audio stage is not push-pull.

In these instructions take no notice of the field coil wires from the set to the speaker except when counting the number of wires in the third method.

First Method.

THIS method uses two adaptors to make contact with the plate connections of the two valves in the push-pull audio stage. The first job is to make the adaptors.

Cut two strips, each 2in. x $\frac{1}{4}$ in., of very thin sheet copper. Then take the valves out of the last audio stage. Drill a hole in each strip not quite a quarter of an inch from the end. The holes

should be of such size that they make a tight contact when slipped over the plate prong of each valve. The best way to make the holes is to drill them on the small side and then to ream them (the points of an old pair of

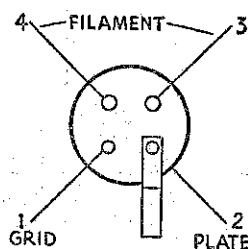


FIG. 1.

scissors will do for a reamer if you do not have one) to the exact size. To find the plate prong on the valve base, see fig. 1.

Then slip one of the strips over the plate prong of each of the valves, taken from the last audio stage. Point each

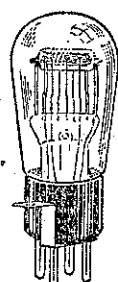


FIG. 2.

strip parallel with the pin on the side of each valve (Fig. 1), bend them up the sides of the valve bases, and then bend about a quarter of an inch outwards at the end of the strips (Fig. 2).

Then take the strips off and insulate them by glueing one thickness of ordinary writing paper over them from within half an inch of the tops to within an eighth of an inch of the holes.

Solder a piece of flexible wire of suitable length to each of the bare ends of the strips (Fig. 3).

Then connect one of the wires to a terminal of one 1mfd. condenser, and the other wire to another 1mfd. condenser, and the other wire to another 1mfd. condenser. The headphones or other speakers are then connected to the other terminal on the condensers (Fig. 4). Slip the strips over the plate prongs on each valve, and be sure that the corners of the ends of the strips cannot touch the other prongs.

If there is any doubt about it, clip the corners off, but be careful not to clip away too much round the hole, as this would weaken the hole and the adaptors might work loose. Put the valves back in their sockets, and the installation is complete. The condensers may be mounted in a small box with a phone jack in the side of it, if desired. When the valves are mounted on metal shields, be very careful that the bare

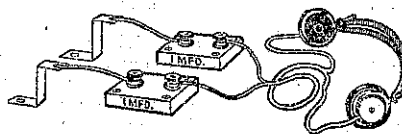


FIG. 3.

FIG. 4.

strip does not touch the metal. Insulate it carefully.

Second Method.

COUNT the number of wires going into the dynamic speaker, or if the speaker is connected by a plug or by plugs, count the total number of prongs on the plugs. (Do not forget this applies only to sets whose last audio stage is push-pull.) If there are only four wires or prongs the output transformer must be in the set, and you should use the first method of connecting phones.

If the speaker is mounted on the audio amplifier or power-pack, it is wiser to adopt the first method of connecting the phones.

Disconnect the wires going to the set from the speaker by pulling out the plugs or unscrewing the terminals and unfasten the screws and bolts securing the speaker to the cabinet. Gently lift the speaker out of the cabinet and turn it upside down so that you can see right down the base. In some speakers the connections to the output transformer are covered by a metal cover, and this must be removed by unfastening the

nuts that hold it down. You will see three wires coming in from the set and two going up to the voice coil of the speaker.

On some speakers the wires from the set go into the transformer on one side and the voice coil wires come out on the same side, but generally they come out on the opposite side. The wires going to the voice coil go right up into the speaker and are generally riveted to the frame by insulated rivets. Solder, or screw, as the case may be, pieces of flexible wire to the two outside connections from which the wires go to the set (Fig. 5).

Next drill a hole in the base of the speaker large enough to take an Igranite insulated jack, or, alternatively, an

PARTS LIST.

First method: 2 1 mfd. condensers.
2 strips 2in. x $\frac{1}{4}$ in. thin copper.
Flexible wire.
Second method: 2 1 mfd. condensers.
Flexible wire.
1 Igranite insulated jack, or 1 ordinary jack with insulated bushings.
Third Method: 2 1 mfd. condensers.
Flexible wire.

ordinary jack and an insulated bushing. Be careful that the drill does not go through the metal suddenly at the end and damage something on the other side. Mount the jack, and if it is an ordinary jack with a bushing be careful that no part of it is making contact with the frame of the speaker.

Mount the condensers in the base of the speaker by drilling four holes in suitable positions and bolt them in position. Run the flexible wires to a terminal on each condenser, and connect the other terminals to the jack (Fig. 6). If desired, a switch can be inserted in series with one of the voice coil leads, so that the dynamic speaker may be turned off and yet leave the headphones or other speakers on. The best switch for this purpose is the panel mounting A.C. snap-switch that is used for all-electric sets, as in this switch the knob that operates it is insulated from the electrical contacts.

Failing an A.C. snap-switch an ordinary switch with insulated bushings can be used.

Third Method.

FOLLOW the same directions given in the second method, remembering that

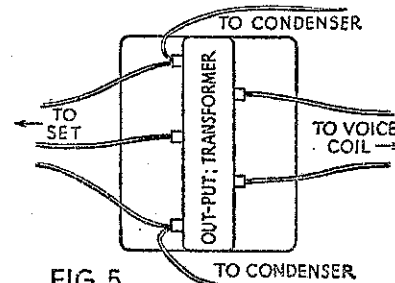


FIG. 5

(Concluded on page 30.)

Send for it Now!

Our New 1931-32 Catalogue of Radio Parts

Fully Illustrated and FREE

All the Latest ENGLISH Lines. They are CHEAPER and Better than other kinds.

BUY BRITISH GOODS

LOOK AT THESE CLEARANCE LINES.

	£	s.	d.
1 Jensen Auditorium A.C. Speaker	15	0	0
1 Plymouth 5-Valve Midset A.C. Set	17	0	0
1 Bond UX 250 Valve	1	5	0
1 Bond UX 245 Valve		9	0
2 Bond UY 224 Valves, each	14	0	
2 Bond UX 199 Valves, each	8	6	
1 Philips Pick-Up, latest model, and Garrard Hand Gramophone Motor, trade-in. Price the lot	7	0	0
R.A.F. Morse Key, P.O. Type	15	0	0
2 66P Blue Spot Units, each	1	0	0
1 only, Marconiphone Pick-Ups, shop soiled, at	4	4	0
1 Philips A.B.C. Power Pack, soiled	10	0	0

"THE KESTREL THREE."

We now have AMPLE supplies of $\frac{1}{4}$ in. Former to fit over valve bases, to make S.W. Coils for the above set and the Differential Sets, 3d. per inch.

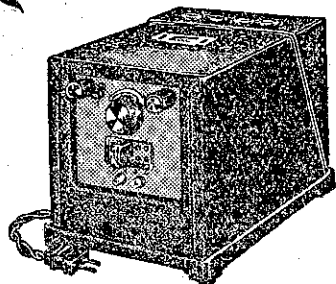
F. J. W. FEAR & CO.

63 WILLIS STREET, WELLINGTON.
Telegraph: "FEAR."

CELEBRATE WITH US !

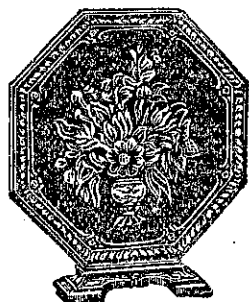
The opening of our new shop called Radio House, 32 Courtenay Place, is an event in the progress of our firm. To mark this event we offer, for 10 days only, a special discount of 10% to all country customers, and free theatre tickets to all city customers spending over 10/- at any of our shops. Mail your order now and don't forget to deduct your 10% discount.

REMEMBER! We can supply all your radio requirements—these are only a few items to show you the value we offer.



£3 DEPOSIT! Philips A.C.Q.P. All-Electric Radio Sets will be demonstrated in all our shops or in your own home. You should not be without a radio when you can obtain one of these fine sets complete with Speaker for £3 deposit.

Total Price **£14/14/-**



RCA103 Loud Speakers are of the magnetic cone type. No matter what type of speaker you are using, we suggest you try a RCA 103, and if it is no improvement on your present speaker, return it to us and we will refund your money in full. List price £5/5/-.

Our Price **63/-**

6-Volt 60-Amp. Rubber-cased Motor Car or Radio Batteries Going for, each **52/6**

Electron 245 Valves—We bought these tested tubes at a special price and we are passing on the benefit of our good buying. Listed at 17/6, but these will only cost you **7/6** Each

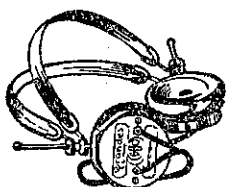
How about a couple for spares?



Utility Vernier Short-Wave Dials—Ratio 130 to 1. **10/6** Each

Eltron type Water Boilers—Just put it into a vessel of water and in a few minutes the water is boiling.

Only **10/6** each

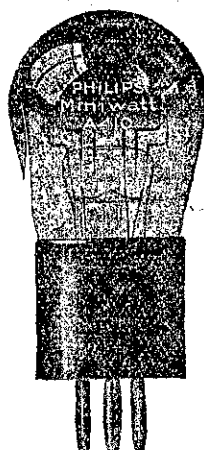


Brandes 4000 Ohm. Matched Headphones—These well known British phones are listed at 15/- pair. **12/6** Our Price only

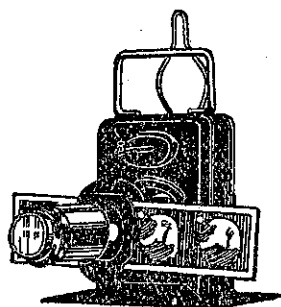


7/20 Enamelled Copper Aerial Wire—In 100ft. coils (of course we have cheaper wires, but if you want really good results try a coil of this). It's Only **6/6**

Telechron Clocks—No winding; always right time; no oiling. Why not invest in one of these up-to-date electric timepieces. Priced from **£2/19/-**



Philips A410 UX Base General Purpose Valves, 4 Volt, **6/9** .06 Amp. Each

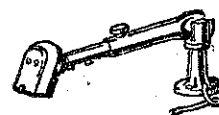


How about some fun for the kiddies? Here's a fine Magic Lantern, the light being supplied by an ordinary torch battery and bulb. The price is only, complete with **9/6** six slides.

"Wright" Crystal Sets—A new shipment of these sets has come to hand. Our price is lower than ever. **7/11** Each

A FEW FROM THE BARGAIN TABLE.

Glass Insulators, 8d. each.
Red and Black Flex for Speaker Extensions, etc., 2d. yd.
Pilot Double Drum Dials, 5/- each.
Cosmos UX or, Eng. Base 2-Volt Valves, 2/6 each.
400 Ohm. De Forest Potentiometers, 1/6 each.
30 Ohm. German Rheostats, 1/6 each.
Courier Audio Transformers, 5 to 1, 8/6 each.
2 Philips Baby Grand Speakers (slightly shop soiled), 59/6 each.



BTH Gramophone Pick-ups—These fine Pick-ups are listed at 80/-, but you can get yours for **70/-** From any Lamp House shop.



Everready Fountain Pen Torches are no larger than a pen. EVER so handy and always READY in your vest pocket.

Complete **3/9**



Blue Spot 66R Loud Speaker Units. Now, each **35/6**
Cone and chassis **17/6**

Our UNALTERABLE POLICY is cash with order. If any goods are in any way unsuitable, return them within seven days and we will refund your money in full.

"LAMP HOUSE" SHOPS ARE

Mail
Orders to

The Electric Lamp House Ltd.,
27 MANNERS STREET WELLINGTON

"The Lamp House" 27 Manners Street,
"Radio House" 32 Courtenay Place,
Arcade Electric Co. Cuba Street.

FEATURE PEEPS

... at ...

FUTURE PROGRAMMES

SUNDAY

From Auckland

THE afternoon programme will include a relay of portion of the organ recital to be given in the Auckland Town Hall by Maughan Barnett, the City Organist. In the evening the service conducted in St. Andrew's Church by the Rev. Ivo E. Bertram will be broadcast. Dr. Neil McDougall will be organist and choirmaster. The after-church studio concert will be provided by popular 1YA artists. An instrumental programme will be provided by the Octet.

Wellington Items

THE service to be conducted in the Vivian Street Church of Christ will be relayed. The preacher will be Pastor W. G. Carpenter, and the organist Miss Hazel Hunter. At 8.15 p.m., approximately, a concert by the Port Nicholson Silver Band, under the conductorship of Mr. J. J. Drew, will be relayed from the Grand Opera House.

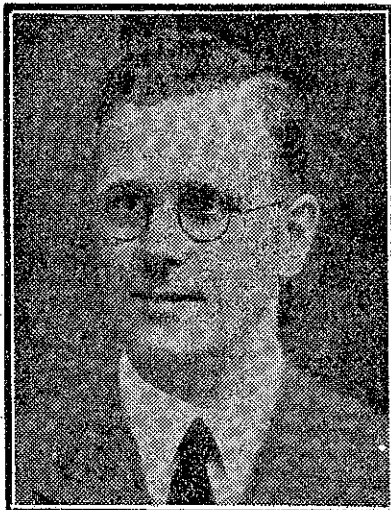
3YA Jottings

THE service in the Church of Christ, Moorhouse Avenue, will be broadcast, the preacher being Mr. Stuart Stevens and the organist Mr. H. E. Ames. The broadcast of 4YA's after-church concert will follow.

Notes from 4YA

CANON E. R. NEVILL will be the preacher at St. Paul's Anglican Cathedral on Sunday evening, when the service will be broadcast. Mr. E. Heywood, F.R.C.O., will be the organ-

ist. The relay of a concert at Oamaru to be provided by the Band of the Otago Mounted Rifles, under Mr. G. Whale, will follow.



CLIVE HINDLE, a fine baritone, frequently heard from 3YA. Mr. Hindle will be heard in several numbers accompanied by the Octet on August 11.
—Steffano Webb, photo.

MONDAY

Selections from 2YA

THE weekly "Musical Portrait" series will take the form of a programme of classical dances, to be presented by Gladys Watkins (pian-

iste) and Nancie Holloway (violinist) playing Edward German's "Saltarelle," a "Menuett" by Mozart and Papini's fascinating "Tarantella."

Gladys Watkins will also play "Rigaudon" and "Les Cherubins."

Included in the programme will be a talk on "The Music of Shakespeare," by Mr. C. N. Baeyeritz, of Sydney, who will be in Wellington as adjudicator for the elocutionary section of the Wellington Competitions.

3YA Items

IN furtherance of the campaign in the interests of the New Zealand Native Birds' Protection Society, a talk will be broadcast at 3.30 p.m.

The Woolston Brass Band, under Mr. R. J. Estall, will provide a programme. The assisting vocalists will include Mrs. Winifred Andrews, the well-known Wellington mezzo-contralto, and Jack Blair, singing at the piano.

An interesting item on the programme will be a talk by Mr. E. Iveagh Lord, who will entertain listeners with "Reminiscences of Early Riccarton," nowadays a household word with all followers of the sport of kings.

Notes from Dunedin

THE speaker for the 4YA International Programme at 4YA will be Mr. A. J. Woods, M.A., Lecturer in History at Dunedin Training College, who will take as his subject "Some Historic Aspects of Internationalism."

TUESDAY

Jottings from Auckland

THE speaker for the international programme at 1YA will be Mrs. Gordon Robertson, who will speak on "The International Outlook in Art and Literature."

At 2YA

A FEATURE of to-night's programme will be a sketch entitled "The Signal" (by Landon).

The scene is laid on the bridge of a merchant steamer coming up the English Channel, in the year 1917. The sketch is being produced by Victor S. Lloyd, who will play the part of the captain. The role of the mate will be taken by Owen Pritchard, and that of the wireless operator by H. A. Painter. The subsidiary characters—the second mate, helmsman, and pilot—will be taken by the Melodie Four. On the supplementary programme the Salon Orchestra, under Mr. M. T. Dixon, will be heard in several delightful numbers.

Items from Christchurch

The usual silent day will not be observed, but from 11.30 will be broadcast-

THE WEEK

Musical Portrait

2YA, Monday.

The Signal

2YA, Tuesday.

Marco Polo

3YA, Wednesday.

New Zealand Night

4YA, Wednesday.

Harmonic Society

2YA, Saturday.

ing results of the Canterbury Jockey Club's meeting at Riccarton.

A holiday programme will be broadcast in the evening, when the Hilo Harmony Four, with steel guitars and ukulele, will provide some bright music. Addie Campbell, also a very popular performer, will sing, among other numbers, "Indian Love Call" (from "Rose Marie"). Clive Hindle, who always broadcasts well, will sing three popular baritone songs. There will be supporting numbers from popular artists.

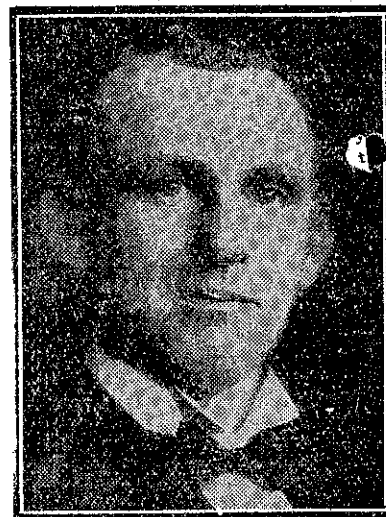
Dunedin Jottings

"Ladies' Night" is the title of a concert to be given in the Tudor Hall, by the Dunedin Orphans' Club, and broadcast. The first part of the programme will be given by well-known Orphans, and a string quintet. The second part will be given by a pierrot party. The president of the club is Orphan E. Earnshaw, the conductor of the orchestra Orphan E. Kerr, and the pianist Orphan T. J. Kirk-Burnand.

WEDNESDAY

1YA Notes

THE weekly sing-song to be held in the Town Hall at 12.30 p.m. will be broadcast.



T. MOFFITT,

A fine tenor, who has been connected with radio broadcasting for several years. To be heard at Auckland on August 14.

—S. F. Andrew, photo.

Send for Your Copy of Our NEW ILLUSTRATED 1931 PARTS PRICE LIST

NEW LOW PRICES—NEW QUALITY GOODS

for

HAMS and XMITTERS

L. B. SCOTT LTD.

"The Big Radio Store."

MANCHESTER and WORCESTER STS., CHRISTCHURCH

The Auckland Dramatic Students, under the direction of Mr. J. F. Montague, will present a dramatic play, "Marco Polo," adapted from the novel by Donn Byrne.

A brief musical programme will follow.

From Wellington

DR. GUY H. SCHOLEFIELD, O.B.E., will be the lecturer during the international programme.

Items from Christchurch

FROM 11.30 trotting results from Riccarton will be broadcast.

A "Farmer Brown" dialogue, in which Farmer Brown discusses seed mixtures with the instructor, will be broadcast on relay from 4YA.

Concerted singing by the Grand Opera Quartet will be a feature of the concert programme, which will also include a recital by Harold Prescott, the well-known tenor, who will sing four of Cadman's American Indian songs. Francis Bate, 'cellist, will play three solos, which will include Kahn's "Ave Maria" and Popper's "Gavotte." The Studio Octet, under Mr. Harold Beck, will provide a popular programme of orchestral music.

4YA Features

A CONCERT devoted to the works of New Zealand composers will be broadcast. It will comprise social and instrumental numbers, and will include a half-hour's lecture-recital by Mr. W. Paget Gale, under the auspices of the Society of Professional Musicians of Otago. The subject will be "Mozart."

THURSDAY

1YA Topics

THE studio concert will be provided by the Auckland Society of Musicians and will be of a classical nature.

Wellington Features

A STUDIO concert by the Singing Circle of the Pioneer Club, under the direction of Mrs. Ginn, in association with the Salon Orchestra, will be broadcast. The choral numbers will include "The Peaceful Western Wind," "A Summer Impromptu," and "Ye Banks and Braes." The Salon Orchestra will be heard in the overture "Neil Gwynn Dances," the waltzes "Amour-ette" and "Dream of Youth," a novelty, "The Clock on the Mantel," by Wheeler, the selections "Primrose" and "Moresque," and the latest dance novelties.

From 3YA

RESULTS from the Canterbury Jockey Club's meeting will be broadcast by 3YA, which will be on the air from 11.30.

The lecturer for the international programme at 3YA will be Dr. C. E. Beeby, of Canterbury College. His subject will be "Man Versus Machines in America."

FRIDAY

Items from Auckland

UNDER the auspices of the New Zealand Native Bird Protection Society, Mr. R. G. Falla will broadcast from 1YA a talk on "Sea Birds."

The studio programme, of a variety nature, will include a sea story by "Lee Fore Bruce," entitled "The First Voyager."

Wellington Selection

THE major portion of the vocal items on 2YA's concert programme will be given by the Aeolian Quartet, who will be heard in several quartets. Gwladys Edwardes, favourite soprano, will sing to orchestral accompaniment, "When Thy Blue Eyes," "All Souls Day," "Caro Mio Ben" and "The Fortune Hunter."

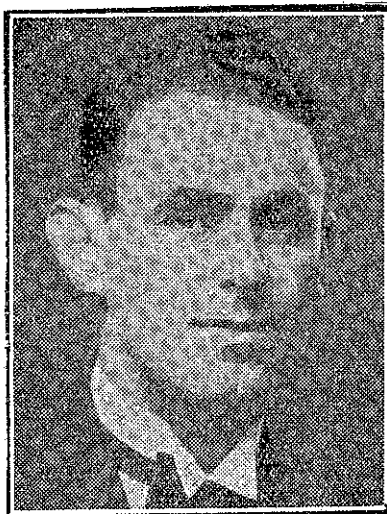
Notes from 3YA

FROM 11.30 a.m., 3YA will broadcast trotting results.

The Dulcet Quartet, with solos by Belle Renaut, will supply the vocal portion of the musical programme. The Chatterboxes will provide entertainment in song and story, and L. T. J. Ryan will be heard in humorous "Random Ramblings."

Dunedin Items

THE Melodists, a mixed quartet, and the Ambassadors (playing popular melodies) will be responsible



L. T. J. RYAN,

a very popular 3YA humorist, who will once again delight listeners on August 14.
—Steffano Webb, photo.

for the main portion of the concert programme.

SATURDAY

Notes from Auckland

1YA will broadcast an hour's studio concert (contributed by Miss Beryl Smith, contralto, Mr. Duncan Black, bass, and the Studio Octet), to be followed by a ringside description of a wrestling bout.

Featured at 2YA

AT 7.40 p.m. Mr. K. McLennan, secretary of the Wellington Competitions Society, will give a talk on "Competitions."

A concert by the Wellington Harmonic Society, under the conductorship of Mr. H. Temple White, will be relayed from the Concert Chamber of the Town Hall.

The soloists include Mr. Leon de Mauny (violinist), who will be heard in "Reverie," by Vieuxtemps, "Air on the G Strings" by Bach, and "Loure" by Bach; and Mrs. Wilfred Andrews (contralto).

Dunedin Features

THE programme, which will also be broadcast by 3YA, will be a radio vaudeville entertainment. Popular quartets will be sung by the Four Aces and choruses will also be sung to such solos as "Jingle Bells," "Can't Remember," "Massa's in de Cold Ground," "Yeoman's Wedding" and "Ise Gwine Back to Dixie." Also on the programme will be W. B. Lambert, who specialises in Hebrew humour, Stokes Banjo Band, W. J. Sinton, an artist on the xylophone, and J. Dalbiano, an exponent of the piano accordion.

Radiophone Conversation

Java and Australia

THE distinction of having the first radiophone conversation between Java and Australia fell to Mr. L. J. Schmitt, New Zealand Trade and Tourist Commissioner in Australia, who is now visiting the East on a mission for the Dominion Government, and Mr. R. W. Blow, acting-New Zealand Commissioner, residing in Sydney.

The conversation took place recently at 10 o'clock, Sydney time, and was a splendid success. Mr. Schmitt informed Mr. Blow that the Dutch Government was treating him admirably, and affording him every facility for the adequate fulfilment of his mission. He introduced a leading Dutch official to Mr. Blow by radiophone.

Mr. Schmitt concluded by expressing his highest admiration of the efficiency of the various public utilities of Java.

Broadcast Jottings

When Mischa Levitsky, the well-known pianist, visited Christchurch, Mr. S. G. Hoskins submitted to him a composition entitled "Thoughts," and was warmly praised for it. "Thoughts" is a semi-classical piece, and will be



F. J. FILER,
the well-known Christchurch bass,
singing on August 10.
—Steffano Webb, photo.

heard over the air from 3YA in the near future. Mr. Hoskins, it may be mentioned, has earned distinction apart from his ability as a pianist and composer, for he is a clever mechanic. He recently turned his attention to earthquakes, and devised a recording instrument which has been highly commended.

Mr. Chas. A. Martin, Mus. Bach, L.A.B., the well-known Dunedin musician, has decided to visit Europe for the purpose of studying for his Doctorate of Music. A farewell complimentary concert is to be tendered to him on Saturday, August 22, by the Society of Professional Musicians of Otago.

BY arranging that the down lead from the aerial either dips below the lead-in point, or else is fitted with a little draining-pipe to carry off the rain, a good deal of leakage due to wet lead-in, etc., can be overcome.

RADIO DIRECTORY

What to Buy and Where

CITIES.

ACE & HAMMARLUND SETS, Johns, Ltd.

WESTINGHOUSE Rectifiers Chancery Street, Auckland.

BURGESS RADIO BATTERIES, All Radio Dealers.

LOFTIN-WHITE AMPLIFIERS Stewart Hardware Ltd., Courtenay Place, Wellington.

MULLARD VALVES All Radio Dealers.

RADIOLA RECEIVERS and Farmers' Trading Co., Ltd., Expert Radiola Service Hobson Street, Auckland.

COUNTRY TOWNS.

PHILIPS VALVES AND APPARATUS All Good Radio Dealers.

Full Programmes for Next

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

Sunday, August 9

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, AUGUST 9.

- 8.0 : Chimes. Selected Recordings, and relay of portion of Organ Recital from the Auckland Town Hall by the City Organist—Mr. Maughan Barnett.
- 6.0 : Children's Song Service, conducted by Uncle Bert.
- 7.0 : Relay of Divine Service from St. Andrew's Church. Preacher: The Rev. Ivo Bertram. Organist and Choirmaster: Dr. Neil McDougall.
- 8.30 (approx.) : Orchestral—Concert Colonne Orchestra, Paris, "Symphonie Fantastique—Allegro Non Troppo" (Berlioz) (Parlo. AR1023).
 Quartet—The Orpheus, "O Dry Those Tears" (Del Riego).
 Soprano—Mrs. Freda Evans, "The Shadow Dancer" (Croke).
 March—Orchestral Octet, under the conductorship of Harold Baxter, "March Russe" (Lotter); overture, "Rienzi" (Wagner).
 Bass-baritone—Mr. E. M. Newling, "Tartary" (Wedde).
 Quartet—The Orpheus, "Beauty's Eyes" (Rosti).
 Evening weather forecast and announcements.
 The Orchestral Octet, (a) "Melodie Caprice" (Squire); (b) "Carissima" (Elgar); (c) "Romance" (Karganoff).
 Tenor—Mr. Sid. Poffley, "God Bless the Morning" (Oliver).
 Duet—Mrs. Freda Evans and Miss Cathleen Mulqueen, "Greeting."
 Violin—Alfredo Rode, (a) "La Clochette" (Paganini); (b) "The Dance of the Goblins" (Bazzini) (H.M.V. B2436).
 The Orchestral Octet, "Inspiration" (Savino); suite, "French Songs."
 Vocal—The Orpheus Quartet, "Softly Falls the Moonlight" (Rogers).
 Piano—Una Bourne, (a) "Polish Dance" (Scharwenka); (b) "Rondo Alla Turca" (Mozart) (H.M.V. B2492).
 Selection—The Orchestral Octet, "Rigoletto" (Verdi).
- 10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, AUGUST 9.

- 8.0 : Afternoon session of selected gramophone recordings.
- 6.0 : Children's Song Service, conducted by Uncle George, assisted by St. Mark's Anglican Sunday School Choir.
- 7.0 : Relay of Evening Service from the Vivian Street Church of Christ. Preacher, Pastor W. G. Carpenter. Organist, Miss Hazel Hunter.
- 8.15 (approx.) : Relay of Band Recital by the Port Nicholson Silver Band from the Grand Opera House (Conductor, Mr. J. J. Drew).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, AUGUST 9.

- 8.0 : Gramophone recital.
- 5.30 : Children's song service.
- 6.15 : Chimes from studio.
- 6.30 : Relay of Evening Service from the Church of Christ, Moorhouse Avenue. Preacher, Mr. Stuart Stevens. Organist, Miss E. Hepburn. Choir Conductor, Mr. H. E. Ames.
- 7.45 : Musical recordings from studio.
- 8.15 : Relay through 4YA, Dunedin, of programme of Otago Mounted Rifles Band, Oamaru.
- 10.0 (approx.) : God save the King

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, AUGUST 9.

- 8.0 : Afternoon session.
- 5.30 : Children's Song Service, conducted by Big Brother Bill.
- 6.15 : Instrumental recordings.
- 6.30 : Relay of Evening Service from St. Paul's Anglican Cathedral, Dunedin. Preacher, Canon E. R. Nevill, M.A. Organist, Mr. E. Heywood, F.R.C.O.
- 7.45 : Selected recordings.
- 8.15 : Relay from Oamaru of concert to be presented by the Band of the Otago Mounted Rifles, under the conductorship of Mr. G. Whale, and assisting artists.
- Band selections include—
 March—"Foden's Own" (Greenwood).
 Hymns—(a) "Bradford," (b) "Wondrous Love."
 Selection—"Faust" (Gounod).
 Solo—"Serenata" (Toselli—arr. Ord Hume).
 Selection—"La Forza Del Destino" (Verdi).
 March—"Carry On" (Herbert Wonsou).
 Soprano—Madame Winnie Fraser, (a) "The Shepherd's Song" (Elgar); (b) "Blow, Blow, Thou Winter Wind" (Quilter).
 Vocal duet—Madame Winnie Fraser and Mr. P. Linton Hodge, "Now Stand We on the Summit of the Hill" (from "The Rebel Maid").
 Song—Miss Doris Taylor, with band accompaniment, "The Lost Chord."

- Baritone—Mr. Johnson Mayfield, (a) "Lorraine, Lorraine, Loree" (Sprous); (b) "Gingham Gown" (Arthur A. Pen).
 Elocution—Mr. Stanley Hook, (a) "An Old Bachelor" (Chevallier); (b) "What is a Gentleman?" (Mel. B. Spur).
 Banjo—Mr. Robert Jackson, (a) "Melon Time in Dixieland" (Ringle); (b) "Barcarolle" (from "Tales of Hoffmann") (Offenbach); (c) medley, "Popular Melodies."
 10.0 (approx.) : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, AUGUST 9.

- 6.0 to 6.45 : Children's Sunday Service.
 8.15 to 10.0 p.m. : Concert programme.

Monday August 10

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, AUGUST 10.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, AUGUST 10.

- 10.0 : Chimes. Selected gramophone recordings.
- 11.12 : Lecturette, "Cooking."
- 11.37 : Lecturette, "Health Hints or First Aid."
- 12.0 : Lunch hour music.
- 2.0 : Selected recordings.
- 3.30 and 4.30 : Sporting results to hand.
- 5.0 : Children's session, conducted by Uncle Jeff.
- 6.0 : Dinner music session (Parlophone)—
 Dajos Bela Orchestra, "Faust" Waltz (Gounod) (A4010).
 Major Bowes' Capitol Theatre Trio, "My Isle of Golden Dreams." Rale da Costa Ensemble, "Rag Doll" (Brown) (A2677).
 Berlin State Opera House Orchestra, "The Mastersingers" Overture.
 Barnabas von Geczy and His Orchestra, "Pardon, My Lady" Tango.
 Dajos Bela Orchestra, "Vienna Bon Bons" Waltz (Strauss) (A4056).
 Grand Symphony Orchestra, "Polonaise No. 1 in A" (Chopin) (A4089).
 Rale da Costa Ensemble, "Laughing Marionette" (Collins) (A2677).
 Pavillon Lescant Tango Orchestra, "In a Little Cafe" Tango (A2898).
 Major Bowes' Capitol Theatre Trio, "Pale Moon" (Logan) (A2593).
 Dajos Bela Orchestra, "The Swallows" Waltz (Strauss) (A4010).
 Grand Symphony Orchestra, "Hungarian Dances Nos. 5 and 6" (A4089).
 Frank Westfield's Orchestra, "The New Sullivan Selection" (A2679).
 Dajos Bela Orchestra, "Roses of the South" Waltz (Strauss) (A4056).
- 7.0 : News session, market reports and sports results.
- 7.40 : Talk—Mr. E. B. McKay, "Contract Bridge."
- 8.0 : Chimes. Overture—Grand Symphony Orchestra, "Der Freischutz."
- 8.8 : Quartet—Ariel Singers, (a) "Maureen" (Robertson), (b) "Drink to Me Only" (David Stephen).
- 8.14 : Tenor—Mr. Harry Brucey, "Linden Lea" (Vaughan Williams); with orchestral accompaniment, "Songs of Araby" (Clay).
- 8.20 : "Musical Portrait" Series—"Classical Dances."
 Violin and piano—Mrs. Nancie Holloway (violin), Miss Gladys Watkins (piano), "Saltarelle" (German).
 Piano—"Rigaudon" (Niemann).
 Violin and piano—"Menuett" (Mozart).
 Piano—"Les Cherubins" (Couperin).
- 8.35 : Vocal trio—Ariel Singers, "Ye Shepherds, Tell Me" (Mazzinghi).
 Soprano—Miss Jeanette Briggs, L.A.B., "Blackbird's Song."
- 8.41 : Violin—Alexander Sebal, (a) "Obertass Mazurka" (Wienlawski), (b) "Military Caprice" (Paganini-Sebal) (Bruns. 4225).
- 8.47 : Duet—Misses Jeanette Briggs and Ngaire Coster, "Not a Ray of Consolation" (from "La Vestale"—Mercadente).
- 8.51 : Selection—2YA, Orchestrina (Conductor, Signor A. P. Truda), "Reminiscences of Greig" (arr. Godfrey).
- 9.0 : Evening weather report and station notices.
- 9.2 : Talk—Mr. C. N. Baeyertz, "The Music of Shakespeare."
- 9.12 : Quartet—Ariel Singers, with orchestral accompaniment, "Dawn's Awakening" (from "Peer Gynt Suite" No. 1) (Grieg).
- 9.16 : Instrumental—2YA Orchestrina, "Awakening of Spring" (Bach).
- 9.20 : Bass—Mr. J. M. Caldwell, with orchestral accompaniment, (a) "Son of Mine," (b) "The Rebel" (from "Treehooter Songs"—Wallace).
- 9.25 : Soprano—Miss Jeanette Briggs, L.A.B., with orchestral accompaniment, "A Pastoral" (Lane Wilson).
- 9.30 : "Musical Portrait" Series—"Classical Dances" (Part 2).
 Piano—Miss Gladys Watkins, "Waltz" (Rebikoff).
 Violin and piano—Mrs. Nancie Holloway and Miss Gladys Watkins, "Tarantella" (Papini).
 Piano—Miss Gladys Watkins, Morris Dance, "Shepherd's Hey."

Week-all Stations-to Aug. 16

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

- 9.40: Choir—Tomanerchor Leipzig, (a) "Die Macht der Phylis," (b) "Jer-langer Jerleiber and Vergissmerrnicht" (Schein) (Poly. 90159).
- 9.46: Contralto—Miss Ngairi Coster, with orchestral accompaniment, (a) "Allah Be With Us," (b) "Far Across the Desert Sands" (Wood-forde-Finden).
- 9.51: Selection—2YA Orchestra, "Mignon" (Thomas).
- 10.0 : Dance music programme (H.M.V.):
Foxtrots—Victor Arden, Phil Ohman, and Their Orchestra, "How Am I to Know?" (Parker) (EA700).
Arcadians Dance Orchestra, "Pep'ta" (Mascheroni) (Zono.).
Bernie Cummins and His New Yorker Hotel Orchestra, "Livin' in the Sunlight—Lovin' in the Moonlight."
The Rhythmic Eight, "Figaro" (Mitchell) (Zono. EE211).
- 10.11: Waltz—Jean Goldkette and His Orchestra, "Can You Blame Me?"
Foxtrots—Henry Busse and His Orchestra, "I Came to You" (Conrad).
Gus Arnheim and His Orchestra, "I'm Feathering a Nest."
- 10.21: Vocal—Olga Albani, "It's You I Love" (Davis) (EA782).
- 10.24: Foxtrots—New Mayfair Dance Orchestra, "There's Room in My Heart" (Gibbons) (EA693); "Cuban Nights" (Salvato) (B5808); "I'll Be Getting Along" (Gibbons) (EA693).
- Waltz—Bob Haring and His Orchestra, "By and By, Sweetheart."
- 10.36: Foxtrots—Nat Shilkret and His Orchestra, "Congratulations" (EA737)
New Mayfair Dance Orchestra, "Cuckoo in the Clock."
George Olsen and His Music, "The Moon is Low" (Freed).
- 10.45: Vocal—Grace Hayes, "On the Sunny Side of the Street" (Fields).
- 10.48: Foxtrots—The High-Hatters, "You Brought a New Kind of Love to Me" (Kahal) (EA761).
Nat Shilkret and His Orchestra, "Into My Heart" (Turk).

- Herman Klenin and His Orchestra, "I'm Doing What I'm Doing for Love" (Yellen) (EA745).
- Nat Shilkret and His Orchestra, "Dark Night" (Grey) (EA777).
- 11.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, AUGUST 10.

- 3.0 : Gramophone recital.
- 3.30: Talk—Mr. Will Lawson, under the auspices of New Zealand Native Birds Protection Society.
- 4.25: Sports results.
- 5.0 : Children's hour.
- 6.0 : Dinner music session (H.M.V.)—
Vienna Philharmonic Orchestra, "Morning, Noon and Night in Vienna."
New Light Symphony Orchestra, "Cavalleria Rusticana" Intermezzo.
International Novelty Orchestra, "Gold and Silver" (Lehar).
Victor Concert Orchestra, "Romance" (Tchaikowsky) (Zono. EF7).
Philadelphia Symphony Orchestra, "Casse Noisette Suite" (Tschai-kowsky): (a) Miniature Overture; (b) March; (c) Dance of the Sugar Plum Fairy; (d) Russian Dance; (e) Arab Dance; (f) Chinese Dance; (g) Dance of the Flutes; (h) Waltz of the Flowers.
Paul Whiteman and His Concert Orchestra, "Caprice Futuristic."
New Mayfair Orchestra, "Sons o' Guns" Selection (C1982).
New Light Symphony Orchestra, "Barcarolle" from "Tales of Hoff-mann" (Offenbach) (B2377).
International Novelty Orchestra, "Emperor" (Strauss) (Zono. EF22).
- 7.0 : News session.
- 7.30: Talk—Mrs. E. A. Hotchkin, "The Empire Service League."
- 8.0 : Chimes. Band programme by the Woolston Brass Band. (Conduc-tor R. J. Estall) and assisted by 3YA artists.
March—Band, "Hercules" (Rimmer); Overture, "Tancredi."
8.13: Bass—Mr. Jas. Filer, "King of the Vasty Deep" (Withers).
- 8.18: Two pianos—Wm. Gross and Walter Kauffmann, (a) "Water Colour Pictures"; (b) "Annen Polka" (Strauss) (Poly. 21958).
- 8.24: Mezzo-contralto—Mrs. Winifred Andrews, (a) "Achal by the Sea" (Rosada Lawrance); (b) "Home Song" (Liddle).
- 8.29: Waltz—Band, "Lady Divine" (Kountz).
- 8.34: Humour—Mr. H. Instone, "Kicking Straps Race" (Hickory Wood).
- 8.39: Novelty—Grinzing Schrammel Trio, (a) "Swiss Children" (Chlumski), (b) "At the Worthier Lake" (Koschat) (Poly. 23475).
- 8.45: Songs at the piano—Mr. Jack Blair, (a) "Wanganui Moon" (McKen-zie), (b) "Beyond the Blue Horizon" (Whiting and Harling).
- 8.51: Male choir—Ural Cossacks, (a) "Ukranian Folk Song," (b) "Schwie-germutter" (trdtl.) (Poly. 19824).
- 8.59: Xylophone solo—Bandsman Biggs, "Chinke Lee" (Franklyn).
- 9.3 : Weather forecast and station notices.
- 9.5 : Talk—Mr. E. Eveagh Lord, "Reminiscences of Early Riccarton."
- 9.20: Bass—Mr. J. Filer, (a) "Song of the Lighthouse Bell" (Petrie), (b) "Dreaming of Homeland" (Seymour Ellis).
- 9.26: Mouth Organ Band—Pauley Witch Ensemble, "That's Just Their Way."
- 9.32: Mezzo-contralto—Mrs. Winifred Andrews, "Fisherlad."
- 9.36: Humour—Mr. H. Instone, "The Pawnbrokers' Ball" (arr. Instone).
- 9.41: One Step—Band, "Broadcasting" (Strong).
- 9.45: Songs at the piano—Mr. Jack Blair, (a) "A Girl Friend of a Boy Friend of Mine" (Donaldson), (b) "Give Me a Moment Please."
- 9.51: Hawaiian—Moana Orchestra: (a) "A Flower Lei," (b) "That Aloha Waltz" (Carlson) (Col. 01805).
- 9.56: March—Band, "Harlequin" (Rimmer).
- 10.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, AUGUST 10.

- 3.0 : Afternoon session.
- 5.0 : Children's hour, conducted by Uncle Jack, assisted by Uncle Peter.
- 6.0 : Dinner music session (Parlophone)—
Karol Szreter, pianoforte, with Berlin State Opera House Orchestra.
"Suite Orientale" (Popy) (A3058).
Dajos Bela Orchestra, "You and You" Waltz (Strauss) (A4080).
Sandor Joszi Orchestra, "The Hobgoblin's Story" (Brecht) (A3027).
Orchestra Opera Comique Paris, "Manon" Ballet Music (Massenet).
Dajos Bela Orchestra, "Wiener Blut" (Strauss) (A4095).
Berlin State Opera Orchestra, "Dance of the Hours" (Ponchielli) (A4144); "Norma" Overture (Bellini) (A4146); "Slavonic Dance No. 8 and 16" (Dvorak) (A4171).
Dajos Bela Orchestra, "Gypsy Love Waltz" (Lehar) (A4080).
Berlin State Opera House Orchestra, "La Traviata" Prelude (Verdi).
Dajos Bela Orchestra, "Voices of Spring" (Strauss) (A4095).
Sandor Joszi Orchestra, "An Eastern Wedding" (Prychistal) (A3027).
- 7.0 : News session.
- 7.30: Talk—Mr. John Bowie, "Early Otago."
- 8.0 : Chimes. Specially Recorded International Programme.
Dr. Eugene Ormandy and His Salon Orchestra.

TALK WITH LONDON SUCCESSFUL ATTEMPT!

"Is that London?"—"Yes, this is London."

These two sentences told thousands of Stewart-Warner Radio owners in New Zealand one morning last week that contact between Wellington and London has been satisfactorily established by means of the new radio-telephone, and that members of the touring New Zealand cricket team in England would be able to speak to their friends on the opposite side of the world.

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. But yesterday it was the successful conversation with our cricketers in London . . . To-morrow it may be the successful non-stop crossing of half the world's circumference by aeroplane or dirigible . . . Next week the stirring announcement of some great medical discovery or invention.

One's senses thrill to the magnetism of the broadcast . . . One feels the atmosphere . . . the tenseness with which the event is surrounded.

All this the new Stewart-Warner Radio, with its amazing selectivity and marvellous supersensitivity, 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.

Prove these claims in your own home and then buy Stewart-Warner with confidence and pride in your choice.

KNOWN FAVOURABLY THROUGHOUT THE WORLD AND SOLD IN NEW ZEALAND BY A HUNDRED DEALERS.

STEWART WARNER RADIO

Screen-Grid Circuit

Radio *Hope Gibbons Ltd* Division

AUCKLAND CHRISTCHURCH WELLINGTON

International Singers.

Relay of Address by the President, Mr. A. C. Cameron, at the annual meeting of Dunedin Chamber of Commerce.

Ambassadors of Melodyland.

Abroad with the Lockharts.

Weather report.

Hywide and Handsome.

Nat Brusloff and His Lido Venice Orchestra.

God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—MONDAY, AUGUST 10.

8.0 to 10.0 p.m.: Concert programme.

Tuesday, August 11

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, AUGUST 11.

3.0 : Chimes. Selected recordings.

3.15: Talk—Mrs. Leslie Crane, "Beauty of Mind and Body in Relation to Diet."

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

6.0 : Dinner music session (Parlophone)—

Grand Symphony Orchestra, "Zampa" Overture (Herold) (A4020).

Dajos Bela Orchestra, "Dynamiden—Waltz" (Joh. Strauss) (A4118).

"O Sole Mio" (arr. Lindemann) (A4014), "Kaiser Waltz."

Grand Symphony Orchestra, "The Tea House of a Hundred Steps."

Dajos Bela Orchestra, "Be Embraced, Ye Millions" (Strauss).

Berlin State Opera Orchestra "Aida" Selection (Verdi) (A4192).

Berlin State Opera Orchestra with Karol Szreter, pianist, "Hungarian Rhapsody No. 2" (Liszt) (A4109).

Dajos Bela Orchestra, "Narcissus" (Nevin) (A4032).

Grand Symphony Orchestra, "Japanese Cherry Blossom Festival."

Dajos Bela Orchestra, "Souvenir—Valse Boston" (Pazeller) (A4014).

Opera Comique Orchestra, "Gopak" (Moussorgsky) (A3023).

7.0 : News and market reports.

7.40: Talk—Mr. N. M. Richmond, B.A. under auspices of the W.E.A. "The Free Trade Question."

8.0 : Chimes. A Specially Recorded International Programme.

Dr. Eugene Ormandy and His Salon Orchestra.

International Singers.

Ambassadors of Melodyland.

Abroad with the Lockharts.

Weather report.

International Talk—Mrs. Gordon Robertson, "The International Outlook in Art and Literature."

Hywide and Handsome.

Nat Brusloff and His Lido Venice Orchestra.

God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, AUGUST 11.

10.0 : Chimes. Selected recordings.

11.12: Lecture—"Fabrics and Fashions."

12.0 : Lunch hour music.

2.0 : Educational session.

3.0 : Selected recordings.

3.30 and 4.30: Sporting results to hand.

5.0 : Children's session, conducted by Jumbo.

6.0 : Dinner music session (Columbia)—

Bournemouth Municipal Orchestra, "Crown Diamonds" Overture.

J. H. Squire's Celeste Octet, "Air on G String" (Bach, arr. Sear).

New Concert Orchestra, "Nights of Fragrance" (Ziehrer) (02979).

B.B.C. Wireless Symphony Orchestra, "H.M.S. Pinafore" Selection.

J. H. Squire's Celeste Octet, "On Wings of Song" (Mendelssohn).

Bournemouth Municipal Orchestra, "The Bronze Horse" Overture.

J. H. Squire's Celeste Octet, "Putting the Clock Back" (arr. Squire).

J. H. Squire's Celeste Octet, "Funeral March of a Marionette" (01713).

New Concert Orchestra, "Vienna Maidens" (Ziehrer) (02979).

Classic Symphony Orchestra, "Classic Memories" (arr. Ewing).

J. H. Squire's Celeste Octet, "Ave Maria" (Bach, Gounod) (02569).

7.0 : News session, market reports and sports results.

7.40: Lecture by a Representative of the Agricultural Department, "For the Man on the Land."

8.0 : Chimes. Overture—New Queen's Hall Light Orchestra, "Britannia."

8.8 : Tenor—Mr. Frank Bryant, with violin obligato, (a) "Colinette" (Harry); (b) "Mary, Sweet and Brown" (Kilner).

8.14: Suite—2YA Salon Orchestra (Conductor, Mr. M. T. Dixon), "Suite from the Countryside" (Coates).

8.28: Quartet—Melodie Four, "Allan Water" (arr. Parks).

Baritone—Mr. R. S. Allwright, with chorus, "Lily of Laguna" (Stuart).

8.34: Zither—Karl Puhlinger, "Cheer Up" (Ziehrer) (Poly. 21052).

8.37: Tenor—Mr. Sam Duncan, with orchestral accompaniment, "Shy Mignonette" (Brahe).

8.41: Instrumental—Salon Orchestra, (a) "Child's Dream" (Gabriel Marie); (b) "Danse Espagnole" (Madiuro); (c) "Intermezzo" (from "1001 Nights" (Strauss).

8.53: Humour—Stanley Holloway, "Old Sam" (Holloway) (Col. DOX147).

9.0 : Evening weather report and station notices.

9.3 : Sketch—"The Signal" (Landon): Scene—The bridge of a merchant steamer. Place—The English Channel (in a fog). Time—A night and early morning in 1917.

Characters—The Captain, Mr. Victor S. Lloyd; The Mate, Lockhart, Mr. Owen Pritchard; The Wireless Operator, Mr. H. A. Painter; The Second Mate, Davis, —; The Helmsman, Matthews, —; The Pilot, Proctor, —. Assisted by the Melodie Four.

9.27: Suite—Salon Orchestra, "In Downlands" (Hewitt).

9.39: Quartet—Melodie Four, "When Song is Sweet" (Sans Souci).

Bass—Mr. W. W. Marshall, "The Skipper's Wife" (St. Quentin).

Quartet—Melodie Four, "Sweet Jenny Lee" (arr. Crowther).

9.50: Instrumental—Salon Orchestra, "A Love Song" (Flegler); novelty suite, "The Bells" (Cayrou).

10.0 : God save the King.

3YA, CHRISTCHURCH (930 KILOCYCLES)—TUESDAY, AUGUST 11.

11.30: Results of Canterbury Jockey Club's meeting at Riccarton, interspersed with musical recordings.

5.0 : Children's hour.

6.0 : Dinner music session (Columbia)—

Milan Symphony Orchestra, "Masaniello" Overture (Auber) (DOX 149).

Cordoba Philharmonic Orchestra, "La Habanera" (Lucena) (DOX 77).

Herman Finck and His Orchestra, "Melodious Memories" (arr. Finck).

Sir Henry J. Wood's Symphony Orchestra, "Prelude in C Sharp Minor" (Rachmaninoff, arr. Wood) (DOX 83).

J. H. Squire's Celeste Octet, "Memories of Chopin" (arr. Willoughby).

London Theatre Orchestra, "Frederica" Selection (Lehar) (DOX 145).

Regal Cinema Orchestra, "Viennese Nights—Waltzes Selection."

Sir Henry J. Wood's Symphony Orchestra, "Volga Boat Song."

Cordoba Philharmonic Orchestra, "Carnival" (Lucena) (DOX 77).

7.0 : News session.

8.0 : Chimes. Overture—Edith Lorand's Orchestra, "The Dollar Princess."

8.8 : Contralto—Mrs. D. W. Stallard with octet accompaniment, (a) "Happy Song" (Del Riego), (b) "Waiata Maori" (Hill).

8.14: Steel guitars and ukulele—Hilo Harmony Four, (a) "That Old Love Song" (Franklin), (b) "Hawaiian Memories" (Costello and Heagney), (c) "Aloha-oe" (Berger).

8.23: Baritone—Mr. Clive Hindle, with octet accompaniment, (a) "The Crown of the Year" (Easthope-Martin), (b) "When Drake Goes West."

8.29: March—Studio Octet (Conductor Harold Beck), (a) "Flag of Victory" (Von Blon); (b) overture, "Four Ages of Man" (Lachner).

8.41: Soprano—Miss Addie Campbell with octet accompaniment; "Indian Love Call" (Friml).

8.45: Humour in song and story—Mr. George Titchener, "Richard Cœur de Leon's Batman" (Leslie Henson).

8.52: Instrumental—Studio Octet, (a) "Bedouin Love Song" (Pinsuti), (b) "Cavatina" (Raff), (c) "Valse Bluettes" (Drigo).

9.1 : Evening weather forecast and station notices.

9.3 : Orchestra and chorus—Jack Hylton and His Orchestra, "Still More Old Songs" (H.M.V. C2082).

9.11: Contralto—Mrs. D. W. Stallard with octet accompaniment, "Angus MacDonald" (Roeckel).

9.15: Steel guitars and ukulele—Hilo Harmony Four, (a) "Moonlight on the Colorado" (Moll and King), (b) "You'll Never Know, Sweetheart."

9.23: Baritone—Mr. Clive Hindle, with orchestral accompaniment, "The Company Sergeant-Major" (Sanderson).

9.27: Marimba—W. W. Bennett, "Zip Zip" (Brooke) (Col. 01910).

Xylophone—W. Byrne, "Whispering Pines" (Byrne) (Col. 01910).

9.34: Humour in song and story—Mr. Geo. Titchener, (a) "In the Days When Good Victoria Was Queen" (Norman Long), (b) "The Cruise of the Ancient Lights" (Hastings).

9.44: Soprano—Miss Addie Campbell, with octet accompaniment, (a) "The Garden of Your Heart" (Dorel), (b) "Here's to Love and Laughter."

9.50: Selection—Studio Octet, "Wildflower" (Youmans).

10.0 : Dance music session (Columbia)—

Foxtrots—Jack Payne and His B.B.C. Dance Orchestra, "Rhapsody of Love" (Kernell) (DO223).

Van Phillips and His Band, "Always in All Ways" (Robin) (DO259); "Why Am I So Romantic?" (Kaimar) (DO 271); "Beyond the Blue Horizon" (Robin) (DO259).

10.12: Waltz—Will Osborne and His Orchestra, "Down the River of Golden Dreams" (Klenner) (DO158).

Foxtrots—Jan Garber and His Orchestra, "When a Woman Loves a Man" (Rainger, Rose) (DO88).

Denza Dance Band, "Loving You" (Yellen) (Reg. G20918).

Fred Rich and His Orchestra, "If I'd Only Listened to You."

10.21: Vocal duet—Layton and Johnstone, "Dancing with Tears in My Eyes."

10.24: Foxtrots—Rhythmic Troubadours, "You're the Sweetest Girl."

Guy Lombardo and His Royal Canadians, "Where the Golden Daffodils Grow" (Archer) (DO128).

Waltz—The Cavaliers, "The Kiss Waltz" (Burke) (DO272).

Foxtrot—Johnny Walker and His Rollickers, "Betty Co-ed" (Fogarty).

10.39: Vocal duet—Layton and Johnstone, "Watching My Dreams Go By."

10.42: Foxtrots—Will Osborne and His Orchestra, "The Song Without a Name"

Guy Lombardo and His Royal Canadians, "Under a Texas Moon" (Perkins) (DO88); "Good Evenin'" (DO228).

10.51: Waltz—The Cavaliers, "All Through the Night" (Yorke) (DO271).

Foxtrots—Guy Lombardo and His Royal Canadians, "Be Careful with Those Eyes" (Woods) (DO223).

Chester Leighton and His Sophomores, "Sweetheart of My Student Days" (Kahn) (Reg. G20918).

11.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, AUGUST 11.

3.0 : Afternoon session.

5.0 : Children's hour, conducted by Aunt Leonore.

6.0 : Dinner music session (H.M.V.)—

International Concert Orchestra, "La Spagnola Waltz" (Di Chiara).

Novelty Orchestra, "Passion Rose" (Lehar) (Zono. EE200).

Berlin State Opera Orchestra, "German Dances" (Mozart) (D1624).

Organ—Sydney Gustard, "Un Peu d'Amour" (Silesu) (B3318).

Reginald King and His Orchestra, "The Song I Love" (Henderson).

H.M. Coldstream Guards Band, "La Fille de Madame Angot" (Lecocq).

The London Palladium Orchestra, "Sunset" (Matt) (C1898).

Vienna Philharmonic Orchestra, "Die Fledermaus" Waltz (Strauss).

International Concert Orchestra, "My Treasure" Waltz (Becucci).

Novelty Orchestra, "Midnight Bells" (Heuberger) (Zono. EE200).

Organ—Sydney Gustard, "Poupee Valsante" (Poldini) (B3318).

Reginald King and His Orchestra, "Garden in the Rain" (Gibbons).

The London Palladium Orchestra, "Dawn" (Matt) (C1898).

7.0 : News session.

7.40 : Talk—Mr. G. McCracken, under auspices of W.E.A., "The Trend of Events in the Next Century."

8.0 : Relay from Tudor Hall, Savoy, Dunedin, of Ladies' Night. Programme presented by the Dunedin Orphans' Club (Inc.). President, Orphan E. Earnshaw; Conductor of Orchestra, Orphan E. Kerr; Pianist, Orphan Thos. J. Kirk-Burnand.

Part I. of the programme will be presented by Orphans A. Walmsley, J. A. Haggitt, S. J. Angell, H. W. Eggers, S. H. Osborne, T. C. Williams, and String Quintet Party.

Part II. of the programme will be presented by the Pierrot Party.

10.0 : God save the King.

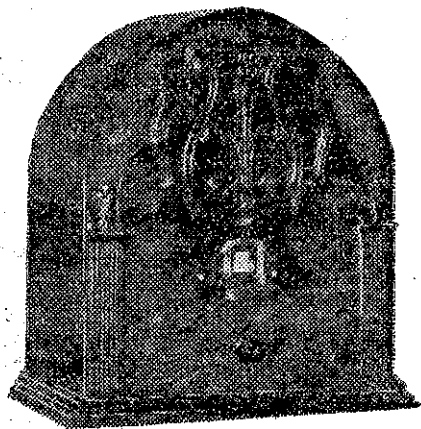
Wednesday, August 12

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, AUGUST 12.

12.30 : Relay of Community Singing from the Town Hall.

3.0 : Chimes. Selected recordings.

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



Mantel Receiver

Seven-Valve Superheterodyne; Vari-mu, Pentode and Screen-grid Valves. High sensitivity with sharp 10 Kilo. separation and elimination of cross-talk and valve noises. Beautiful cabinet, ideal size, exceptional performance.

GULBRANSEN

SUPERHETERODYNE

As Illustrated £28/10/-

Ask Your Dealer for Demonstration

N.Z. Distributors:

H. W. CLARKE, LTD.,

182 WAKEFIELD STREET, WELLINGTON.

6.0 : Dinner music session (Columbia)—

Band of H.M. Grenadier Guards, "Sir Harry Lauder Medley."

J. H. Squire's Celeste Octet, "Second Movement From Symphonie Pathetique" (Tschalkowsky, arr. Robertson) (02987).

Modern Dance Players, "Amoretten Tanze" (Gungl) (Reg. G23582).

Court Symphony Orchestra, "The Windmill Man" (Col. 02909).

Organ—Stanley Macdonald, "The Rosary" (Nevin) (Reg. G20391).

Symphony Orchestra, "When the Lemons Bloom" (Strauss) (02529).

Plaza Theatre Orchestra, "The Three Bears" (Coates) (02744).

Symphony Orchestra, "Doctrinen" (Strauss) (02529).

Continental Novelty Orchestra, "Las Lagarteranas."

New York Symphony Orchestra, "Entrance of the Little Fauns."

B.B.O. Wireless Military Band, "Le Reve Passe" (Krier and Helmer).

J. H. Squire's Celeste Octet, "Scene De Ballet."

Organ—Stanley Macdonald, "La Rosita" (Dupont) (Reg. G20391).

Continental Novelty Orchestra, "Los Claveles De Sevilla."

7.0 : News and market reports.

7.40 : Talk—Dr. Wilkie, under the auspices of the Department of Health, "Building Strong Children."

8.0 : Chimes. Overture—Orchestra of the Concerts Colonne Paris, "Le Coq D'Or" (Rimsky-Korsakov) (Parlo. AR1016).

A Dramatic Radio play—"Marco Polo," presented by the Auckland Dramatic Students, under Mr. J. F. Montague.

Evening weather forecast and announcements.

Orchestral—Orchestra of Opera Comique, Paris, "Scenes Pittoresques" (Massenet): (a) "Marche," (b) "Fete Boheme" (Parlo. A4057).

Male Choir—Ural Cossacks, (a) "Hej Hej" (trdtl.); (b) "Signa March" (Kolatilin) (Poly. 21327).

Violin—Gustav Linck, (a) "Am Dich" (Vessey), (b) "Gavotte."

Male Duet—Layton and Johnstone, "Leslie Stuart Memories" (Stuart).

Orchestral—Barnabas Von Geczy and His Orchestra, "L'Heure Bleu."

10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, AUGUST 12.

10.0 : Chimes. Selected Recordings.

11.37 : Lecturette—"Hollywood Affairs."

12.0 : Lunch Hour Music.

2.0 : Selected recordings.

3.30 and 4.30 : Sporting results to hand.

5.0 : Children's session, conducted by Aunt Daisy.

6.0 : Dinner music session (Polydor)—

Berlin Philharmonic Orchestra, "Titus" Overture (Mozart) (95296).

Paul Godwin's Orchestra, "The Roses' Bridal Procession" (Leon Jes-

sel (19681); "Oh This Beautiful Springtime" (Lincke) (19661).

Great Symphony Orchestra, "Fortissimo" (Kalman) (27167).

Paul Godwin's Orchestra, "The Marionettes' Mounting Guard" (Kuhn)

State Opera Orchestra, Berlin, "Orpheus and Eurydice Ballet Music."

Paul Godwin's Orchestra, "Murmure De Bal" (Meyer Helmund).

Berlin Philharmonic Orchestra, "Le Nozze Di Figaro" Overture.

Paul Godwin's Orchestra, "Poppies" (Moret) (19661); "Dreaming

Flowers" (Translateur) (19507).

7.0 : News session, market reports and sports results.

7.40 : Lecturette—Mr. A. E. Wilson, "Tourist and Health Resorts."

8.0 : Chimes.

Golden Hour of Music.

Adam and Eve.

Ohman and Arden (two pianos).

Weather report.

International Talk—Dr. Guy H. Schofield, O.B.E.

High Spots.

International dance programme.

God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, AUGUST 12.

11.30 : Results of Races—New Zealand Metropolitan Trotting Club's meeting at Addington.

5.0 : Children's hour.

6.0 : Dinner music session (Columbia):

Columbia Symphony Orchestra, "March of the Bojaren" (Halvorsen).

Debrov Somers Band, "The Desert Song" (Romberg) (02700).

J. H. Squire's Celeste Octet, "Memories of Devon" (Evans) (DO254).

New Queen's Hall Light Orchestra, "Summer Days Suite" (Coates:

(a) In a Country Lane, (b) On the Edge of the Lake, (c) At the

Dance (02590-1).

H.M. Grenadier Band, "New Sullivan Selection" (arr. Godfrey) (02731).

Zurich Tonhalle Orchestra, "Andante" (Mozart) (02978).

Johann Strauss and His Orchestra, "Voices of Spring" (Strauss)

Columbia Symphony Orchestra, "Bridal Procession" (Grieg) (02622).

J. H. Squire's Celeste Octet, "Collette" (Fraser-Simson) (DO254).

Zurich Tonhalle Orchestra, "Gavotte" from "Idomeneo" (Mozart).

New Queen's Hall Light Orchestra, "Wood Nymphs" (Coates) (02591).

Johann Strauss and His Orchestra, "Radetzky March" (Strauss).

7.0 : News session.

7.15 : Dialogue on relay from 4YA, Dunedin—Messrs. R. B. Tennent and L. W. McCaskill, "Farmer Brown Discusses Seed Mixtures with the In-

structor."

7.30 : Addington stock market reports.

8.0 : Chimes. Overture—Philadelphia Symphony Orchestra, "Rlenzi."

8.14 : Vocal quartets—Grand Opera Quartet, (a) "In the Woods" (Mendels-

- 8.20: 'Cello—Mr. Francis Bate, "Allegro Appassionata" (Saint Saens).
 8.26: Tenor—Mr. W. Harold Prescott, with orchestral accompaniment: Four American Indian Songs (Cushman): (a) "From the Land of the Sky-Blue Water," (b) "The White Dawn is Stealing," (c) "Far Off I Hear a Lover's Flute," (d) "The Moon Drops Low."
 8.40: Instrumental—Studio Octet (Harold Beck, Conductor), "Norma" Overture (Bellini).
 8.46: Vocal quartets—Grand Opera Quartet, (a) "Snow" (Elgar), (b) "Londontown" (German).
 8.53: 'Cello—Mr. Francis Bate, (a) "Ave Maria" (Kahn), (b) "Gavotte No. 5" (Popper).
 8.59: Instrumental—Studio Octet, "Folk Song and Fiddle Dance" (Fletcher).
 9.8: Evening weather forecast and station notices.
 9.10: Selection—Studio Octet, "Melodies of Grieg" (arr. Beck).
 9.21: Vocal quartets—Grand Opera Quartet, (a) "O Smile, Fair Heavens" (from "Romeo and Juliet") (Gounod), (b) "Swift Hour of Pleasure" (Gounod).
 9.25: Selection—Studio Octet, excerpts from "Monsieur Beaucaire" (Rosse).
 9.30: Dance music session (Brunswick)—
 Foxtrots—Isham Jones's Orchestra, "Trees" (Kilmer) (4856).
 Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "The Wedding of the Birds" (Tobias) (4926).
 Tom Gerun and His Orchestra, "You're Lucky to Me" (Razaf) (4916); "My Love for You" (Kahn) (4971).
 9.42: Waltz—Joe Green and His Orchestra, "Song of the Big Trail" (4978).
 Foxtrots—Tom Gerun and His Orchestra, "Rollin' Down the River." Jacques Renard and His Orchestra, "Three Little Words."
 9.51: Vocal—Charles King, "Here Comes the Sun" (Freed) (4849).
 9.54: Foxtrots—Isham Jones's Orchestra, "Stardust" (Carmichael) (4856).
 Ozzie Nelson and His Orchestra, "Who's Calling You Sweetheart To-night?" (O'Flynn) (4979).
 Nick Lucas and His Crooning Troubadours, "I Miss a Little Miss" (Seymour) (4987).
 Ozzie Nelson and His Orchestra, "And Then Your Lips Met Mine" (Nelson) (4979).
 10.6: Waltzes—Regent Club Orchestra, "You Will Remember Vienna" (4975).
 Castlewood Marimba Band, "Drifting on to Avalon" (4980).
 10.12: Foxtrots—Colonial Club Orchestra, "On a Little Balcony in Spain." Jacques Renard and His Orchestra, "I Bring a Love Song." Nick Lucas and His Crooning Troubadours, "You're Driving Me Crazy" (Donaldson) (4987).
 10.21: Vocal—Chester Gaylor, "Confessin'" (Nelburg) (4871).
 10.24: Foxtrots—Tom Gerun and His Orchestra, "Cheerful Little Earful." Abe Lyman and His Californian Orchestra, "Never Swat a Fly" (De Sylva) (4924).
 Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Say 'Oul' Cherie" (Robinson) (4926).
 Colonial Club Orchestra, "Sing Song Girl" (McCarthy).
 10.36: Vocal—Charles King, "Leave a Little Smile" (Dubin) (4849).
 10.39: Foxtrots—Tom Gerun and His Orchestra, "Memories of You" (Razaf). Abe Lyman and His Californian Orchestra, "Old-Fashioned Girl" (De Sylva) (4924).
 Loring "Red" Nichols and His Orchestra, "Embraceable You" (Gershwin) (4957).
 10.48: Waltzes—Castlewood Marimba Band, "Ukulele Moon" (Davis) (4980).
 Joe Green and His Orchestra, "I'm Alone Because I Love You" (Young) (4978).
 10.54: Foxtrots—Tom Gerun and His Orchestra, "My Sweetheart" Serenade. Jacques Renard and His Orchestra, "A Girl Friend of a Boy Friend of Mine" (Kahn) (4939).
 11.0: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, AUGUST 12.

- 8.0: Afternoon session.
 8.15: Talk—"Winter Tonics," by the Home Science Extension Service of Otago University.
 9.0: Children's hour, conducted by Big Brother Bill.
 9.0: Dinner music session (H.M.V.)—
 San Francisco Symphony Orchestra, "Coppelia Ballet—Automatons Dance" (Delibes) (D1272).
 Victoria Orchestra, "La Serenata" Waltz (Metra) (Zono. EF32).
 John Barbirolli's Chamber Orchestra, "A Little Night Music" Serenade.
 International Concert Orchestra, "Danube Waves" Waltz (Ivanovici).
 Marek Weber and His Orchestra, "La Tosca" Potpourri.
 New Mayfair Orchestra, "Five O'Clock Girl" Selection (Kalmar).
 San Francisco Symphony Orchestra, "Caprice Viennois" (Kreisler).
 Victoria Orchestra, "Espanita Waltz" (Rosey) (Zono. EF32).
 New Mayfair Orchestra, "Love Lies" Selection (C1658).
 International Concert Orchestra, "Over the Waves" Waltz (Rosas).
 7.0: News session.
 7.15: Dialogue—Messrs. R. B. Tennent and L. W. McCaskill, under auspices of 4YA Primary Productions Committee, "Farmer Brown Discusses Seed Mixtures with the Instructor."
 8.0: Chimes. Programme of Compositions by New Zealand composers.
 Overture—Salon Orchestra, "Overture" (Pettitt).
 8.10: Quartet—Misses Freda Elmes, Mary Pratt and Messrs. Ernest Drake and Wilfred Kershaw, (a) "Sweet Minstrels" (Phillip), (b) "Vesper Bells" (Phillip).
 Soprano—Miss Freda Elmes, "Love is a Merry Carpenter."
 8.23: Trio for piano, violin and cello—Misses Sybil Baker, Ethel Wallace, and V. Moffatt, "Trio" (Eric Waters).

- 8.31: Bass—Mr. Wilfred Kershaw, "Waiata Maori" (Hill).
 Contralto—Miss Mary Pratt, "Horses of the Dawn" (Brett).
 8.37: Recitals—Mr. S. H. Osborne, (a) "Up-a-Daisy," (b) "Not Understood" (T. Bracken), (c) Excerpts from "Blue Magic" (Marna Service).
 8.47: Piano—Mrs. C. Drake, Excerpts from "In a New Zealand Forest."
 8.51: Tenor—Mr. Ernest Drake, with violin obbligato by Miss E. Wallace, (a) "Ave Maria" (Horne); (b) "Over the Hills" (Bertha Rawlinson).
 Quartet—Misses Elmes and Pratt and Messrs. Drake and Kershaw, "Stars of the Summer Night" (Phillip).
 8.57: Waltzes—Salon Orchestra, "A Night of Dreams" (R. A. Horne).
 9.0: Evening weather report and station notices.
 9.2: Lecture-Recital by Mr. W. Paget Gale, under the auspices of the Society of Professional Musicians of Otago, "Mozart."
 9.30: Dance session (Brunswick)—
 Foxtrots—Hal Kemp and His Orchestra, "Medley of Southern College Songs Pt. 1 and 2" (4958).
 Waltz—Carter's Orchestra, "Wednesday Night Waltz" (Williams).
 9.42: Lloyd Huntley and His Isle o' Blues Orchestra, "Lonely" (Grey).
 Ben Bernie and His Orchestra, "I Still Belong To You" (Eliscu).
 Lloyd Huntley and His Isle o' Blues Orchestra, "Gee, But I'd Like To Make You Happy" (Shay) (4937).
 9.51: Vocal—Chester Gaylor, "What's The Use?" (Jones) (4928).
 9.54: Foxtrots—Phil Spitalny's Music, "Maybe It's Love" (Mitchell).
 Tom Gerun and His Orchestra, "Maybe I'm in Love with a Dream" (Gerun) (6057).
 Tom Clines and His Music, "Why Have You Forgotten Wai-kiki" (Kahn) (4882).
 Phil Spitalny's Music, "Beyond the Blue Horizon" (Robin).
 10.6: Vocal duet—Cotton and Morpheus, "Never Swat a Fly" (De Sylva).
 10.9: Foxtrots—Six Jumping Jacks, "You're Simply Delish" (Freed).
 Jacques Renard and His Orchestra, "Readin', 'Ritin', Rhythm" (Hartman) (4940).
 Six Jumping Jacks, "It's a Great Life" (Robin) (4948).
 Tom Clines and His Orchestra, "I'm Happy When You're Happy" (Baer) (6057).
 10.18: Waltzes—Bob Haring and His Orchestra, "One Love" (Koehler).
 Castlewood Marimba Band, "Song of the Islands" (King).
 10.24: Foxtrots—Jacques Renard and His Orchestra, "If I Knew You Better." Tom Gerun and His Orchestra, "What a Fool I've Been." Bob Haring and His Orchestra, "Baby's Birthday Party." Castlewood Marimba Band, "Drifting and Dreaming."
 10.36: Vocal—Chester Gaylor, "I'll Be Blue Just Thinking of You."
 10.39: Foxtrots—Tom Clines and His Music, "Passing Time With Me." Meyer Davis' Hotel Astor Orchestra, "It Seems To Be Spring" (Marion) (4882).
 Tom Clines and His Music, "What's The Use Of Living Without Love?" (McCarthy) (4941).
 Waltz—Carter's Orchestra, "The Waltz of the Hills" (Fields) (4935).
 10.51: Foxtrots—Lloyd Huntley and His Isle o' Blues Orchestra, "Wond'ring." Ben Bernie and His Orchestra, "You Are The Melody." Tom Gerun and His Orchestra, "After All You're All I'm After" (Newman) (4942).
 11.0: God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—WEDNESDAY, AUGUST 12

- 6.30 to 7.30 p.m.: Children's session.
 7.30 to 8 p.m.: Sports talks.

Thursday, August 13

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, AUGUST 13.

- 3.0: Selected recordings.
 3.15: Talk—"Our New Zealand Food Laws." Prepared by the Home Science Extension Service of Otago University.
 5.0: Children's session, conducted by Skipper.
 6.0: Dinner music session (Brunswick)—
 Minneapolis Symphony Orchestra, "March Militaire" (Schubert).
 A and P Gypsies Orchestra, "The Far Away Bells" (Gordon) (4442).
 Brunswick Salon Orchestra, "Little Grey Home in the West" (Lohr).
 Peter Biljo's Balalaika Orchestra, "Blowing Winds" (57005).
 Minneapolis Symphony Orchestra, "Coppelia Ballet Prelude and Mazurka" (Delibes) (50087).
 Anglo Persians' Orchestra, "My Little Persian Rose" (Friedland).
 New York Philharmonic Orchestra, "Artist's Life" Waltz (Strauss).
 A and P Gypsies Orchestra, "Bohemian Romance" (4903).
 Organ—Lew White, "Down South" (Myddleton) (4889).
 Minneapolis Symphony Orchestra, "Prelude to Khowantchina."
 A and P Gypsies Orchestra, "Simple Confession" (Thome) (4442).
 Cleveland Symphony Orchestra, "Shepherd's Hey," a Morris Dance.
 New York Philharmonic Orchestra, "Tales From The Vienna Woods."
 Peter Biljo's Balalaika Orchestra, "The Wide Dnipter" (57005).
 A and P Gypsies Orchestra, "My Memories" (4903).
 Minneapolis Symphony Orchestra, "Dernier Sommeil De La Vierge."
 7.0: News session and market reports.
 7.40: Talk—"Furnishings and Furniture," under the auspices of the New Zealand Manufacturers' Association.
 8.0: Chimes. Concert by the Auckland Society of Musicians.
 Instrumental—Misses Lois Walls, Lalla Hemus and Dora Judson, "Novellaten. Op. 29" (Gade).

- 8.11: Soprano—Miss Gwenda Weir, "Five Miniature Ballads" (Hurlestone): (a) Bells; (b) Blossoms; (c) Dreams; (d) Darkness; (e) Morning.
- 8.16: Piano—Miss Richardson, (a) "Nocturne in B Flat Minor No. 1" (Chopin), (b) "Rhapsodie" (Dohanyi).
- 8.29: Baritone—Mr. E. Churchouse, (a) "The Pagan," (b) "So Fair a Flower" (Lohr).
- 8.34: Violin—Miss Lois Walls, (a) "Melodie" (Gluck-Kreisler), (b) "Gavotte" (Rameau-Burmester).
- 8.40: Contralto—Miss Norma Joll, (a) "The Sad Little Bird" (Arensky), (b) "I Will Not Hide" (Schumann), (c) "The Fuschia Tree."
- 8.47: Piano—Miss Dora Judson, "Three Sonatas" (Scarlatti).
- 8.53: Soprano—Miss Gwenda Weir, (a) "Pleading" (Elgar), (b) "If Thou Lovest Me" (Pergolesi).
- 8.58: Cello—Miss Lalla Hemus, "Melody" (Faure).
- 9.2: Evening weather report and announcements.
- 9.4: Flute—Mr. David Whisker, (a) "Barcarolle" (Catharine), (b) "Nocturne" (Chopin).
- 9.14: Baritone—Mr. E. Churchouse, (a) "Now Sleeps the Crimson Petal" (Quilter), (b) "Homing" (Del Riego).
- 9.19: Duet—Misses Norma Joll and Margaret Kelly, "The Wanderer's Night Song" (Rubenstein).
- 9.23: Instrumental—Misses Lois Walls, Lalla Hemus and Dora Judson, "Finale, From Op. 63" (Schumann).
- 9.33: Dance programme (Brunswick)—
Foxtrots—Ben Bernie and His Orchestra, "To Whom It May Concern." Ozzie Nelson and His Orchestra, "Fall In Love With Me." Ben Bernie and His Orchestra, "Crying Myself To Sleep."
9.42: Waltz—Pavillon Lescaut Orchestra, "Listening To The Violin." Foxtrots—Jacques Renard and His Orchestra, "Under the Spell of Your Kiss" (Jasmyne) (4995).—
Bud Blue and His Orchestra, "Someone Sang a Sweeter Song to Mary" (Shand) (Parlo. A8103).
- 9.51: Vocal—Chester Gaylord, "Would You Like To Take a Walk?"
- 9.54: Foxtrots—Loring "Red" Nichols and His Orchestra, "Blue Again." Jacques Renard and His Orchestra, "We're Friends Again." Bud Blue and His Orchestra, "I'll Be Blue Just Thinking Of You" (Wendling) (Parlo. A8103).
- 10.3: Tangos—Juan Llossas Orchestra, "One Look Into Your Eyes." Marimba Original Excelsior de Guatemala, "Padre Nuestro." Waltz—Regent Club Orchestra, "For You" (Dubin) (4990).
- 10.12: Vocal—Chester Gaylord, "It Must Be True" (Arnheim) (6030).
- 10.15: Foxtrots—Ozzie Nelson and His Orchestra, "Truly" (Hirsch) (6018). Jacques Renard and His Orchestra, "He's My Secret Passion" (Valentine) (4994).
- Waltzes—Nick Lucas and His Crooning Troubadours, "Say 'Hello' To The Folks Back Home" (Davis) (6018). Regent Club Orchestra, "Don't Forget Me In Your Dreams."
- 10.27: Two-steps—Juan Llossas Orchestra, "My Spain" (Marquina). Marimba Original Excelsior de Guatemala, "Joselillo." Juan Llossas Orchestra, "Andalusian National Character."
- 10.36: Vocal—Chester Gaylord, "Cheerful Little Earful" (Gershwin).
- 10.39: Foxtrots—Nick Lucas and His Crooning Troubadours, "Lady Play Your Mandolin" (Caesar) (6013). Loring "Red" Nichols and His Orchestra, "When Kentucky Bids The World Good Morning" (Leslie) (6014). Jacques Renard and His Orchestra, "Little Spanish Dancer."
- 10.48: Tangos—Juan Llossas Orchestra, "Pretty Gigolo" (Casucci). Marimba Original Excelsior de Guatemala, "Tumando Espero" (Villadomat) (21906).
- 10.54: Foxtrots—Dick Robertson's Orchestra, "Would You Like To Take a Walk?" (Warren) (Pana. P12082). Pavillon Lescaut Orchestra, "The Dancing Tailor." Stellar Dance Band, "Strolling Thro' the Tulips" (O'Hagan).
- 11.3: God save the King.

- 8.0: Chimes. Overture—Salon Orchestra, (Conductor Mr. M. T. Dixon). "Nell Gwynn Dances" (German).
- 8.8: Tenor—Mr. Eric Gooder, (a) "Tally Ho" (Leoni), (b) "Until."
- 8.14: Organ—Lew White, (a) "Old Black Joe," (b) "My Old Kentucky Home" (Foster) (Brunswick 6019).
- 8.20: Glee—Singing Circle of the Pioneer Club, (a) "The Peaceful Western Wind" (Johnston), (b) "A Summer Impromptu" (Markham Lee), (c) "The Celtic Lullaby" (trdtl.).
- 8.30: Waltzes—Salon Orchestra, (a) "Amourette" (Klenn), (b) "Dream of Youth" (Winterritz).
- 8.38: Mezzo-contralto—Mrs. A. S. Mitchell, (a) "Life's Epitome" (Rae), (b) "You in a Gondola" (Clarke).
- 8.44: Male Quartet—Fritz Priess Quartet, (a) "Lebowhl, Schwarzbraunes Magdelein" (Erwin-Beda), (b) "In Der Pfalz" (Beda-Benes).
- 8.50: Violin—Mr. W. Haydock, "Canzonetta" (D'Ambrosio). Novelty—Salon Orchestra, "The Little Clock on the Mantel."
- 9.0: Evening weather report and station notices.
- 9.2: Baritone—Mr. J. N. Goodson, (a) "The Wondrous Month of May" (Schumann), (b) "Thou Art So Like a Flower" (Schumann).
- 9.8: Glee—Singing Circle of the Pioneer Club, (a) "O Wert Thou in the Cold Blast" (Rubenstein), (b) "Ye Banks and Braes" (trdtl.).
- 9.13: Xylophone—Franz Kruger, "The Spanish Beggar Girl" (Orth).
- 9.19: Tenor—Mr. Eric Gooder, "Onaway Awake Beloved" (Cowen).
- 9.23: Selection—Salon Orchestra, "Primrose" (Gershwin).
- 9.32: Soprano—Miss Ethna Greig, "Villanelle" (del Acqua).
- 9.36: Banjo—Ernest Jones, (a) "The Kilties," (b) "Return of the Regiment"
- 9.42: Baritone—Mr. J. N. Goodson, "I Know of Two Bright Eyes."
- 9.46: Instrumental—Salon Orchestra, "Moresque" (Coates); "Latest Dance Novelties."
- 10.0: God save the King.

3YA, CHRISTCHURCH (930 KILOCYCLES)—THURSDAY, AUGUST 13.

- 11.30: Results of Canterbury Jockey Club's meeting at Riccarton, Grand National Hurdles. Interspersed with musical recordings.
- 3.15: Talk—"Our New Zealand Food Laws." Prepared by the Home Science Extension Service of Otago University.
- 5.0: Children's session.
- 6.0: Dinner music session (Polydor)—
Philharmonic Orchestra, Berlin, "Les Huguenots" Overture.
Paul Godwin's Quartet, "Beautiful Garden of Roses" (Schmid).
State Opera Orchestra, Berlin, "German Dances" (Schubert).
Polydor Symphonic Orchestra, "Hear You Again" Medley.
Association des Concerts Lamoureux, Paris, "Petite Suite" (Debussy); (1) En Bateau; (2) Cortège; (3) Menuet; (4) Ballet (66958/9).
Paul Godwin's Quartet, "Le Reve" (D'Ambrosio) (19532).
Philharmonic Orchestra, Berlin, "Emperor Waltz" (Strauss) (19949).
- 7.0: News session.
- 7.30: Talk—Mr. A. Leslie of Lincoln Agricultural College, "Lambing Troubles."
- 8.0: Chimes. Specially Recorded International Programme.
Dr. Eugene Ormandy and His Salon Orchestra.
International Singers.
Abroad with the Lockharts.
Weather forecast and station notices.
International Talk—Dr. C. E. Beeby, "Man versus Machines in America."
Ambassadors of Melodyland.
Hywide and Handsome.
Nat Brusiloff and His Lido Venice Orchestra.
God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, AUGUST 13.

SILENT DAY.

Friday, August 14

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, AUGUST 14.

- 2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, AUGUST 13.
- 1.0: Chimes. Selected recordings.
- 10.45: Lecturette—"Cooking."
- 11.37: Lecturette—"Nursing as a Career for Girls," under the auspices of the Health Department.
- 12.0: Lunch music hour.
- 2.0: Selected recordings.
- 3.15: Lecturette—Miss I. F. Meadows, "Our New Zealand Food Laws." Talk prepared by the Home Science Extension Department of Otago University.
- 3.30 and 4.30: Sporting results to hand.
- 5.0: Children's session, conducted by Uncle George and Big Brother Jack.
- 6.0: Dinner music session (Parlophone)—
The Parlophone Salon Orchestra, "A Lover in Damascus."
Berlin State Opera House Orchestra, "Slavonic Dances Nos. 1 and 2."
Edith Lorand's Orchestra, "Whispering of the Flowers" (Von Blon).
H.M. Irish Guards' Band, "The Desert Song" (Romberg) (A2433).
Edith Lorand's Orchestra, "Hedgeroses" (Lehar) (A4206), "Johann Strauss Fantasia" (Strauss) (A4044).
Barnabas von Geczy and His Orchestra, "The Student Prince" Fantasia.
Edith Lorand's Orchestra, "Winter Storms" Waltz (Fucik) (A4143).
"O Maiden, My Maiden" (Lehar) (A4206).
Grand Symphony Orchestra, "Dance of the Waves" (Catalani).
- 7.0: News session, market reports and sports results.
- 7.40: Lecturette—Mr. W. M. Jackson, "Gardening."

- 3.0: Chimes. Selected recordings.
- 3.15: Literary selection.
- 5.0: Children's session, conducted by Nod and Aunt Jean.
- 6.0: Dinner music session (Polydor)—
Paul Godwin's Orchestra, "The Czarewitsch" (Lehar) (19678); "Liliputians' Wedding" (Translatour) (19660).
Paul Godwin's Orchestra with organ, "Adoration" (Filippucci) (19978).
Great Symphony Orchestra, "The Gipsy Princess" (Kalman) (27172).
Paul Godwin's Orchestra with organ, "Invocation" (Ganne) (19978).
Paul Godwin's Quintet, "Vision" (Drdla) (19533).
Opera Orchestra, Berlin-Charlottenburg, "Si J'Etais Roi" (Adam).
Paul Godwin's Dance Orchestra, "Little Butterflies" (Steinke) (19660).
Paul Godwin's Quintet, "Chant d'Amour" (Drdla) (19533).
Paul Godwin's Jazz Symphonians, "Lots of Fun" (Morena) (19761).
- 7.0: News and market reports.
- 7.30: Sports talk.
- 7.40: Talk—Mr. R. A. Falla, M.A., "Sea Birds," under the auspices of the New Zealand Native Bird Protection Society.
- 8.0: Chimes. Overture—H.M. Grenadier Guards Band, "New Sullivan Selection" (arr. Godfrey) (Col. 02731).

- 8.9 : Tenor—Mr. Tom Moffitt, (a) "Wait" (D'Hardelot), (b) "When Song is Sweet" (Sans Souci).
- 8.14 : March—Orchestral Octet, under direction of Harold Baxter, "Zanzibar" (Ancliffe); selection, "On With the Show" (Nicholls).
- 8.25 : Accordion—Bastien, (a) "Serenade" (Metra), (b) "Czardas No. 1" (Michiels) (Polydor 28723).
- 8.31 : Mezzo-soprano—Miss Sylvia Dobbs, (a) "Daffodils from My Garden" (Boanas), (b) "The Vain Suit" (Brahms).
- 8.36 : Mandolin—Mr. E. F. Miller, (a) "Home Town Band" (Weidt), (b) "Sweet Jennie Lee" (Donaldson), (c) "One Kiss" (Romberg).
- 8.46 : Tenor—Mr. Tom Moffitt, (a) "Dolorosa" (Montague Phillips), (b) "I Pitch My Lonely Caravan" (Coates).
- 8.51 : Suite—The Orchestral Octet, "Woodland Pictures" (Fletcher), (a) "In the Dayfields," (b) "An Old-World Garden," (c) "The Bean Feast."
- 9.1 : Evening weather forecast and announcements.
- 9.3 : Sea story—Lee Fore Brace, "The First Voyager" (original).
- 9.18 : Organ—Leo Stin, (a) "Little Quinquin" (Dessousseaux), (b) "Berceuse de Jocelyn" (Godard) (Poly. 23167).
- 9.24 : The Orchestral Octet, (a) "Slavonic Dance No. 7" (Dvorak), (b) "Serenade" (White); intermezzo, "Carnations" (Albers).
- 9.36 : Chorus—The Jolly Old Fellows, "Drinking Songs" (Reg. G20951).
- 9.42 : Xylophone—Franz Kruger, (a) "American Patrol" (Meacham), (b) "Hungarian Airs" (Kruger) (Poly. 21385).
- 9.48 : Mezzo-soprano—Miss Sylvia Dobbs, "Carissima" (Penn).
- 9.52 : Suite—The Orchestral Octet, "Almond Eye" (Rosse); waltz, "Godiva."
- 10.2 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, AUGUST 14.

- 10.0 : Chimes. Selected recordings.
- 11.12 : Lecturette—"Fashions."
- 12.0 : Lunch-hour music.
- 2.0 : Selected recordings.
- 3.30 and 4.30 : Sporting results to hand.
- 5.0 : Children's session, conducted by Uncle Jim.
- 6.0 : Dinner music session (Columbia)—
Columbia Symphony Orchestra, "March of the Toys" (Herbert).
Court Symphony Orchestra, "Destiny Waltz" (Baynes) (564).
New Queen's Hall Light Orchestra, "Petite Suite de Concert", (a) Un Sonnet d'Amour, (b) La Tarantelle Fretillante (Coleridge-Taylor) (02559).
Columbia Symphony Orchestra, "The Flatterer" (Chaminade) (01371).
Halle Orchestra, "Rosamunde Ballet Music" (Schubert): (a) Andantino, (b) Allegro Moderato and Andante (04200).
J. H. Squire's Celeste Octet, "Memories of Mendelssohn" (02338).
Berlin State Orchestra, "Wiener Blut" (Strauss) (04337).
New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor): (a) "La Caprice de Nanette," (b) Demande et Response" (02558).
H.M. Grenadier Guards Band, "Martial Moments" (arr. Winter).
- 7.0 : News session, market reports and sports results.
- 7.40 : Lecturette—Dr. J. Gibb, "Disarmament Conference."
- 8.0 : Chimes. Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "Symbeline" (Trunewald).
- 8.8 : Quartet—The Aeolian, (a) "Old Black Joe" (arr. Gabriel), (b) "Lucky Jim" (arr. Parkes).
- 8.14 : Soprano—Miss Gwladys Edwardes, with orchestral accompaniment, (a) "When Thy Blue Eyes," (b) "All Souls Day" (Lassen).
- 8.19 : Selection—2YA Orchestra, "Wild Flowers" (Youmans).
- 8.27 : Bass—Mr. B. Mayall, "A Farewell" (Liddle).
Duet—Messrs. Coe and Watson, "The Moon Hath Raised Her Lamp."
- 8.33 : Novelty piano—Mr. J. F. Skedden, (a) "Keyboard Conversation" (Laurhurst), (b) "Reaching for the Moon" (Berlin).
- 8.39 : Soprano—Miss Gwladys Edwardes, with orchestral accompaniment, (a) "Caro Mio Ben" (Giordani), (b) "The Fortune-Hunter."
- 8.45 : Duet—Messrs. Watson and Mayall, "Stars of the Summer Night."
Tenor—Mr. Arthur Coe, "Where'er You Walk" (Handel).
- 8.51 : Selection—2YA Orchestra, "Waltz Dream" (Strauss).
- 9.0 : Evening weather report and station notices.
- 9.2 : Quartet—The Aeolian, (a) "Comin Thru' the Rye" (arr. O'Hara), (b) "Comrades in Arms" (Adam).
- 9.8 : Novelty piano—Mr. J. F. Skedden, (a) "Step On It" (Rienzo), (b) "What a Wonderful Night It Would Be" (Smythe and Gillina).
- 9.14 : Baritone—Mr. T. Watson, "From Oberon in Fairyland" (Slater).
- 9.18 : Waltz—2YA Orchestra, "Kaufmann's Casino Tanze" (Gungl).
- 9.30 : Dance music programme (Columbia)—
Foxtrots—Paul Tremaine and His Orchestra, "Hand Me Down My Walkin' Cane" (arr. Tremaine) (DO91).
Paul Whiteman and His Orchestra, "Happy Feet" (Yellen).
Ray Starita and His Ambassadors Band, "Ev'ry Little Moment" (Newman) (DO76).
Paul Whiteman and His Orchestra, "A Bench in the Park."
- 9.42 : Waltzes—Russian Novelty Orchestra, "Greetings of Spring" (DO85).
Novelty Dance Orchestra, "Sobbing Waltz" (Reg. G20650).
- 9.48 : Vocal—James Melton, "Neapolitan Nights" (01297).
- 9.51 : Foxtrots—Ben Selvin and His Orchestra, "The Woman in the Shoe."
Paul Whiteman and His Orchestra, "Should I?" (Brown).
The Rhythmic Troubadours, "On Her Doorstep Last Night"
- 10.0 : Waltzes—Paul Whiteman and His Orchestra, "A Bundle of Old Love Letters" (Brown) (07035).

- Moana Orchestra, "Imi Au Ia Oe" (King) (DO32).
- Foxtrots—The Rhythmic Troubadours, "Fairy on the Clock" (Myers).
Ben Selvin and His Orchestra, "Only Love is Real" (Brown) (DO16).
- 10.12 : Vocal—Ernest Hastings, "Perverted Placards" (Bateman) (DO16).
- 10.15 : Foxtrots—Paul Specht and His Orchestra, "The Harbor of My Heart."
Gil Dech and His Syncopators, "Let's Be Common" (Grey).
Paul Specht and His Orchestra, "Keepin' Myself for You."
Ray Starita and His Ambassadors Band, "Spread a Little Happiness" (Grey) (DO76).
- 10.27 : Waltzes—Russian Novelty Orchestra, "The Love of a Gipsy" (DO85).
Novelty Dance Orchestra, "First Love" Waltz (Reg. G20650).
- 10.33 : Foxtrots—Ben Selvin and His Orchestra, "Song of the Islands" (King).
Moana Orchestra, "For You a Lei" (Noble) (DO90).
Gil Dech and His Syncopators, "Nobody's Using It Now."
- 10.42 : Vocal—James Melton, "Dear Little Mother of Mine" (Jayne).
- 10.45 : Foxtrots—Guy Lombardo and His Royal Canadians, "With You."
Will Osborne and His Orchestra, "I Knew We Two Were One" (Denniker) (DO29).
Guy Lombardo and His Royal Canadians, "There's Danger in Your Eyes, Cherie" (Richman) (DO27).
Waltzes—Moana Orchestra, "My Hawaiian Souvenir" (King) (DO90).
Vic Meyer and His Band, "If I'm Dreaming" (Burke).
- 11.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, AUGUST 14.

- 11.30 : Results of races of N.Z. Metropolitan Trotting Club's meeting at Addington.
- 5.0 : Children's hour.
- 6.0 : Dinner music session (Parlophone)—
Berlin State Opera House Orchestra, "Academic Festival" Overture (Brahms) (A4210), "From Foreign Parts" Pt. 1 "Italy," Pt. 2 "Germany" (Moszkowski) (A4277).
Frank Westfield's Orchestra, "Lilac Time" Selection.
Berlin State Opera House Orchestra, "Schwanda the Bagpipe Player."
Dajos Bela Orchestra, "Schatz Waltz" (Strauss), (A4110); "Mosaic—Potpourri" (Zimmer) (A4278).
Grand Symphony Orchestra, "The Land of Smiles" Selection (Lehar).
Berlin State Opera House Orchestra, "From Foreign Parts" Pt. 3 "Spain"; Pt. 4 "Hungary" (Moszkowski) (A3137).
Dajos Bela Orchestra, "Moonlight on the Alster" (Petrus) (A4110).
- 7.0 : News session.
- 7.30 : Dialogue—Messrs. D. Cossgrove and W. Melbourne, "Radio Service."
- 8.0 : Chimes. Overture—Dajos Bela Orchestra, "Viennese Waltz Potpourri."
- 8.8 : Quartets—The Dulcet Quartet, (a) "Weary Wind of the West" (Ellgar), (b) "Curfew" (Thompson).
- 8.15 : March—Studio Octet (Conductor Harold Beck), (a) "Bonnie Blue Bonnets" (De Ville), (b) "Pique Dame" Overture (Suppe).
- 8.25 : Humour—Mr. L. T. J. Ryan, "Random Ramblings" (arr. Ryan).
- 8.31 : Banjo—Len Fillis, "Swanee River Medley" (arr. Fillis).
- 8.37 : Contralto—Miss Belle Renault with octet accompaniment, (a) "Somewhere a Voice is Calling" (Tate), (b) "Hine E Hine."
- 8.43 : Organ—Reg. Foort, "A Musical Trip Round the British Isles."
- 8.51 : Quartets—The Dulcet Quartet—(a) "I Saw Lovely Phyllis" (Beyan), (b) "Dreaming" (Schumann).
- 8.57 : March—U.S. Military Academy Band, "Thunderer" (Souza).
- 9.1 : Evening weather forecast and station notices.
- 9.3 : Selection—Studio Octet, "Maid of the East" (Neale).
- 9.15 : Song and Story—The Chatterboxes, "I Have To Go and Draw Another Pound" (Rose).
- 9.20 : Cello—Edmund Kurtz, (a) "Prelude in D Minor," (b) "Valse Caprice."
- 9.34 : Contralto—Miss Belle Renault, with Octet accompaniment, (a) "A Song Remembered" (Coates), (b) "When the House is Asleep."
- 9.38 : Quartets—Dulcet Quartet, (a) "Here a Pretty Baby Lies" (Gordon), (b) "Come to the Fair" (Easthope-Martin), (c) "Goodnight Beloved" (Pinsuti).
- 9.53 : Characteristic—Studio Octet, "Squirrel Dance" (Elliot-Smith); Foxtrot, "Rambling Down the Roadway" (O'Hagen).
- 10.1 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, AUGUST 14.

- 3.0 : Afternoon session.
- 5.0 : Children's hour, conducted by Aunt Sheila.
- 6.0 : Dinner music session (Polydor)—
Berlin Philharmonic Orchestra, "Torch Dance B Flat Major."
Ilja Livschakoff and His Orchestra, "Aubade" (Livschakoff) (23048).
Paul Godwin's Orchestra, "Evening Chimes" (Marzian) (23168).
Vienna Schrammel Quartet, "Some Day" from "Marietta" (Strauss).
Efim Schachmeister's Dance Orchestra, "Casanova, I Love You" Tango.
Ilja Livschakoff and His Orchestra, "Little Serenata" (Grunfeld), (23048); "Who Has Filled Our Heart With Love" (Lehar).
Paul Godwin's Orchestra, "The Mask Seller" (Wolff) (22893).
Vienna Schrammel Quartet, "Spin, Spin" (Lochmann) (21915).
Symphony Orchestra, "Il Guarany—Introduction" (Gomes).
Paul Godwin's Orchestra, "Song of the Desert" (Delhaes) (22893); "Tonerna" (Sjoberg) (23168).
Efim Schachmeister's Dance Orchestra, "At the Fireside" (21181).
Paul Godwin's Jazz Symphonians, "Butterfly, Sweet Little Lady."
Ilja Livschakoff and His Orchestra, "All My Heart Belongs to You."
- 7.0 : News session.
- 7.40 : Talk—Dr. Duncan Cook, under auspices of Department of Health, "The Pre-school Child."

- 8.0 : Chimes. Overture—Grand Symphony Orchestra, "The Land of Smiles" (Lehar) (Parlo. A4283).
- 8.9 : Mixed Quartets—"The Melodists" (a) "Comin' Thru The Rye" (MacBeth), (b) "Robin Adair" (Fletcher).
- 8.14 : Popular Melodies—The Ambassadors, (a) "Kitty From Kansas City" (Greer), (b) "Confessing That I Love You" (Dougherty).
- 8.20 : Bass—Mr. R. B. Macdonald, (a) "The Sailor's Paradise" (Richards), (b) "Brian of Glenaar" (Graham).
- 8.25 : Quartet—The Melodists, "Early One Morning" (Boughton).
- 8.29 : Popular melodies—The Ambassadors, "You Are the Melody" (De Sylva), "One More Waltz" (McHugh).
- 8.37 : Soprano—Miss Rita Holmes, (a) "Then Came The Dawn" (Warren), (b) "Riviera Rose" (Nicholls).
- 8.43 : Foxtrot—The Ambassadors, (a) "There's Something About an Old-Fashioned Girl" (De Sylva), (b) "Dixiana" (Tierney).
- 8.50 : Humour—Mr. B. Brown, "It's Nice When You Love a Wee Lassie."
- 8.55 : Piano—Mrs. C. Drake, Ballet Music from "Le Cid" (Massenet).
- 9.2 : March—Cavalry Band, "Revue" (Faust) (Poly. 21136).
- 9.5 : Mixed Quartets—The Melodists, "Song on May Morning."
- 9.9 : Popular melodies—The Ambassadors, (a) "Pagliacique" (arr. Katzman), (b) "The Wedding of the Birds" (Tobias).
- 9.17 : Duet—Miss Ella Hayden and Mr. R. B. Macdonald, "Love Is Meant To Make Us Glad" (German).
- 9.24 : Organ—Archer Gibson, "The Old Refrain" (Kreisler) (Zono. EF35).
- 9.25 : Tenor—Mr. W. Harrison, (a) "The Man Who Brings The Sunshine" (Cooper), (b) "When Dawn Breaks Through" (Wood).
- 9.31 : Foxtrots—The Ambassadors, (a) "On the Sunny Side of the Street" (Fields), (b) "Three Little Words" (Meyer).
- 9.38 : Humour—Mr. B. Brown, (a) "Breakfast in Bed on Sunday Morning," (b) "When I Get Back to Bonnie Scotland" (Lauder).
- 9.45 : Orchestra and Male Quartet—Jager Orchestra, "Lustig Ist Die Jagerel."
- 9.51 : Popular melodies—The Ambassadors, "Contemplation" (Hamy); "Sweet Jennie Lee" (Donaldson).
- 9.56 : Mixed Quartets—The Melodists, "Sleep, Gentle Lady" (Bishop).
- 9.59 : March—Cavalry Band, "Alexander" (Leonhardt) (Poly. 21136).
- 10.2 : God save the King.

Saturday, August 15

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, AUGUST 15.

- 3.0 : Chimes. Relay of Description of Rugby Football Match from Eden Park, Waikato versus Auckland.
- 5.0 : Children's session, conducted by Cinderella.
- 6.0 : Dinner music session (H.M.V.)—
Coldstream Guards Band, "Pique Dame" Overture Suppe (C1594).
Marek Weber and His Orchestra, "Faust" Selection (Gounod).
Organ—Edward O'Henry, "Ca C'est Madrid" (O'Henry) (B3094).
Zonophone Salon Orchestra, "Love's Garden of Roses" (Haydn Wood).
Virtuoso String Quartet, "Londonderry Air" (arr. Bridge) (C1470).
Paul Whiteman and His Concert Orchestra, "Suite of Serenades":
(1) Spanish, (2) Chinese, (3) Cuban, (4) Oriental (Herbert).
Coldstream Guards Band, "Morning, Noon, and Night" (Suppe).
Ferdy Kauffman and His Orchestra, "The Gipsy Baron" Selection.
Symphony Orchestra, (a) "Waltz of the Hours," (b) "Variations" from "Coppelia" (Delibes) (C1939).
Organ—Edward O'Henry, "Chant Sans Paroles" (Tschaiakowsky).
Zonophone Salon Orchestra, "Mighty Lak a Rose" (Nevin) (Zono.).
Virtuoso String Quartet, "The Emperor Quartet—Theme and Variations" (Haydn) (C1470).
- 7.0 : News and market reports.
- 7.40 : Talk—Mr. H. Arthur (ZLIAN), Hon. Secretary of the N.Z.A.R.T., "The Progress of Television" (under the auspices of the New Zealand Amateur Radio Transmitters' Association).
- 8.0 : Chimes. March—Orchestral Octet (under direction of Harold Baxter), "Colonel Bogey" (Alford); intermezzo, "Bells Across the Meadows"
- 8.9 : Contralto—Miss Beryl Smith, "Betty's Garden" (Sanderson).
Bass—Mr. Duncan Black, "The Irish Wanderer" (Black).
- 8.15 : Banjo—Harry Reser, (a) "Flapperette" (Greer), (b) "Cracker Jack."
- 8.21 : Vocal duet—Miss Beryl Smith and Mr. Duncan Black, "Homing."
Contralto—Miss Beryl Smith, (a) "To a Miniature" (Brahe), (b) "You'll Get Heaps of Lickins" (Clarke).
- 8.28 : Waltz—The Orchestral Octet, "Nights of Gladness" (Ancliffe); orchestral, "Gipsy Idyll" (Piercy).
- 8.36 : Chorus and orchestra—The Merry-makers, "The Merry-makers in Hawaii" (Haenschen) (Brunswick 20049).
- 8.40 : Bass—Mr. Duncan Black, "Morven" (Smith).
- 8.44 : Male quartet—Dixieland Four, (a) "Down by the Old Mill Stream" (Taylor), (b) "Put on Your Old Gray Bonnet" (Wenrick) (Bruns.).
- 8.50 : Selection—The Orchestral Octet, "Melodious Memories" (Finck).
- 9.0 : Evening weather forecast and announcements.
- 9.2 : Relay of wrestling bout from the Auckland Town Hall.
- 10.15 : Programme of dance music (Polydor)—
Foxtrots—Ilya Livschakoff's Dance Orchestra, "Happy Go Lucky" (arr. Michaeloff) (23483); "The Day Will Come When Roses are Aglow" (Stolz) (23743).
Waltzes—Paul Godwin's Dance Orchestra, "Darling, Your Mouth is Music to Me" (Hollander) (23728).
Ilya Livschakoff Dance Orchestra, "Times Will Change."

- 10.27 : Tangos—Juan Llossas and His Orchestra, "Twilight" (Bianco) (22984); "La Cumparsita" (Rodriguez) (22984); "Breezes from the Andes" (Porschmann) (22984).
- 10.36 : Vocal—Layton and Johnstone, "One Night Alone With You" (Col.).
- 10.39 : Foxtrots—Ben Berlin Dance Orchestra, "I Think of Mady" (23730).
Ilya Livschakoff's Dance Orchestra, "My Dear Old Auntie."
Waltzes—Ilya Livschakoff's Dance Orchestra, "Sweet are Your Looks, Oh Peppina" (Stolz) (23743).
Hawaiian Orchestra, "It Happened in Monterey" (23726).
- 10.51 : Tangos—Ben Berlin's Dance Orchestra, "You Are Not the First One."
Ilya Livschakoff's Dance Orchestra, "Beautiful World."
Foxtrot—Ilya Livschakoff's Dance Orchestra, "I Am So Happy To-day."
- 11.0 : Sports announcements.
- 11.10 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, AUGUST 15.

- 2.0 : Relay of Rugby Football Match from Athletic Park.
- 5.0 : Children's session, conducted by Aunt Molly.
- 6.0 : Dinner music session (Polydor)—
Paul Godwin's Dance Orchestra, "Medley of Popular Student Songs."
Paul Godwin's Quintet with harp, "Extase—Reverie" (Ganne) (19928).
Paul Godwin's Orchestra, "Poranek Waltz Intermezzo" (Lindsay).
Organ—Leo Stin, "Chanson Hindoue" (Rimsky-Korsakoff) (23165).
Polydor Orchestra, "Coucou—Imitative Waltz" (Jouasson) (23563).
Paul Godwin's Orchestra, "In the Rosary" (Bialecki) (21005); "Tin Soldiers' Parade" (Jessel) (19659).
Berlin State Opera House Orchestra, "Introduction Acts 1, 2, and 3" from "Carmen" (Bizet) (27190).
Paul Godwin's Quintet with harp, (a) "Popular Song," (b) Tale."
Paul Godwin's Orchestra, "La Serenade" Waltz (Metra) (22872).
Organ—Leo Stin, "Werther" (Massenet) (23165).
Paul Godwin's Orchestra, "Fairly Doll" Waltz (Bayer) (21005).
Paul Godwin's Dance Orchestra, "Siamese Parade" Fantasy (Lincke).
Polydor Orchestra, "Valse Poudree" (Popy) (23563).
- 7.0 : News session, market reports and sports results.
- 7.40 : Lecturette—Mr. K. McLennan, Wellington Competitions Society, "Competitions."
- 8.0 : Chimes. Relay from the Concert Chamber, Town Hall, of concert by the Wellington Harmonic Society.
Choral dance—The Choir, "Pan" (Rutland Broughton).
Part song—The Choir, "The Serenade" (Brahms).
Violin—Mr. Leon de Mauny, "Reverie" (Vieuxtemps).
Madrigal—The Choir, "In the Merry Month of May" (Gaines).
Contralto—Mrs. Wilfred Andrews, "Poland's Dirge" (Chopin).
Part song—The Choir, "All Things Are Still" (Redman); "Wi' a Hundred Pipers" (Scottish air arr. West).
Evening weather report and station notices.
Part song—The Ladies, "The Snow" (Elgar), with accompaniment for two violins and piano.
Negro Spiritual—The Choir, "Nobody Knows the Trouble I See."
Violin—Mr. Leon de Mauny, (a) "Air on the G String" (Bach), (b) "Loure" (Bach).
Choral song—The Choir, "Death on the Hills" (Elgar).
Contralto with violin obligato by Mr. Leon de Mauny—Mrs. Wilfred Andrews, "Praises" (Heritte-Viardot).
Part song—The Choir, "You Stole My Love" (MacFarren).
Festival carol—The Choir, "Ring Out, Wild Bells" (Fletcher).
- 10.0 : From the Studio—Dance music programme (Brunswick)—
Foxtrots—Colonial Club Orchestra, "Out of Breath" (Mercer) (4848).
Andy Kirk and His Twelve Clouds of Joy, "Sweet and Hot."
Colonial Club Orchestra, "I Am Only Human After All."
Tom Clines and His Music, "Bye Bye, Blues" (Bennett).
10.12 : Waltz—Castlewood Marimba Band, "Waiting for You" (Green) (4842).
Foxtrots—Colonial Club Orchestra, "Hittin' the Bottle" (Koehler).
Ben Bernie and His Orchestra, "Highway to Heaven."
10.21 : Vocal—Allen McQuhae, "At the End of a Cobblestone Road" (4711).
10.24 : Foxtrots—Anglo-Persians, "In Memory of You" (Dubin) (2598).
Ben Bernie and His Orchestra, "Love Comes in the Moonlight" (Dubin) (4850).
Colonial Club Orchestra, "How Are You To-night in Hawaii?" (Leslie) (4866).
10.33 : Waltz—Ray Miller and His Orchestra, "Beneath Montana Skies."
Foxtrots—Isham Jones's Orchestra, "Miss Hannah" (Redman) (4868).
Earl Burtnett and His Los Angeles Biltmore Hotel Orchestra, "Here Comes the Sun" (Freed) (4861).
10.42 : Vocal—Allen McQuhae, "The Dawn Brought Me Love and You."
10.45 : Foxtrots—Abe Lyman and His California Orchestra, "If You're Not Kissing me" (Freed) (4891).
Tom Gerun and His Orchestra, "Sittin' on a Rainbow."
Castlewood Marimba Band, "Lo Lo" (Fesit) (4842).
10.54 : Foxtrots—Colonial Club Orchestra, "Out of a Clear Blue Sky" (4858).
Tom Clines and His Music, "I'm Needin' You" (Young).
- 11.0 : Sporting summary.
- 11.10 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, AUGUST 15.

- 11.30 : Results of races of Canterbury Jockey Club's meeting at Riccarton, interspersed with musical recordings.
- 2.50 : Running description of Football Match.

- 5.0 : Children's Hour.**
6.0 : Dinner music session (H.M.V.)—
 Cedric Sharpe Sextet, "O, Lovely Night" (Ronald) (B3420).
 Berlin State Opera House Orchestra, "A Midsummer Night's Dream" Overture (Mendelssohn) (C1883-4).
 De Groot and the Piccadilly Orchestra, "If Only I Had You" (Davies).
 Organ—Jesse Crawford, "I'll Close My Eyes To The Rest Of The World" (Friend) (EA699).
 Kirilloff's Balalaika Orchestra, "Medley of Old Time Songs."
 The Palladium Orchestra, "La Siesta" Barcarolle."
 De Groot Trio, "Paraphrase of Strauss Waltzes" (arr. de Groot).
 Berlin State Opera House Orchestra, "A Midsummer Night's Dream" Wedding March (Mendelssohn) (C1884).
 Cedric Sharpe Sextet, "Chanson Napolitaine" (D'Ambrosio).
 De Groot and the Piccadilly Orchestra, "Lolita" (Ferrete and Blesser).
 The Palladium Orchestra, "The Grasshoppers' Dance" (Bucalossi).
 Organ—Jesse Crawford, "How Am I To Know?" (King) (EA699).
 The Rhythmic Eight, "Neapolitan Nights" (Zamecnik).
7.0 : News session.
7.30 : Sports results.
8.0 : Chimes. Relay of programme from 4YA Dunedin.
10.0 : Dance music (Polydor)—
 Foxtrots—Marimba Original Excelsior de Guatemala, "Hula Tropical."
 Ilja Livschakoff's Dance Orchestra, "I Am So Happy."
 Paul Godwin's Dance Orchestra, "Just Such a Girl."
10.9 : Waltz—Paul Godwin's Orchestra, "Pardon Madame" (Abraham).
10.12 : Foxtrots—Marimba Original Excelsior de Guatemala, "Llorando."
 Paul Godwin's Orchestra, "Victoria and Her Hussar" (Abraham) (23399); "The Broken Record."
10.21 : Vocal—Don and Ken, "Sunny Days" (Jason) (Parlo. S3106).
10.24 : Tangos—Ilja Livschakoff's Dance Orchestra, "O Miss Daisy."
 Paul Godwin's Dance Orchestra, "Poor Little Mannequin."
 Ilja Livschakoff's Dance Orchestra, "Queen of Dreams."
10.33 : Waltzes—Paul Godwin's Dance Orchestra, "Under the Roofs of Paris" (Moretti) (23644); "Goodnight" (Abraham) (23398).
10.39 : Vocal—Don and Ken, "Roamin' Thru' the Roses" (O'Flynn).
10.42 : Foxtrots—Ben Berlin and His Orchestra, "Fairly on the Clock."
 Paul Godwin's Dance Orchestra, "Mickey Mouse."
 Ben Berlin and His Orchestra, "Clown Dolly" (Rust).
10.51 : Tangos—Ilja Livschakoff's Dance Orchestra, "Don't You Want a Friend, Little Madam?" (Meisel) (23334).
 Paul Godwin's Dance Orchestra, "Thus Spoke the Knowing Marabu" (Egen) (23397); "A Sweetheart As Sweet As You Are" (Meisel) (23334).
11.0 : God save the King.
- 9.38 : Piano accordion—**Mr. J. Dalbiano, "Popular Waltzes."
9.46 : Male quartets—Four Aces, (a) "The World is Waiting for the Sunrise" (Seltz), (b) "Closing Ode" (Kirk-Burnand).
9.50 : Banjo—Stokes's Banjo Band, (a) "Swedish Fest March" (Perfect), (b) "Maritana" (Wallace).
10.0 : Dance music session (Columbia)—
 Foxtrots—Hal Swain's Cafe Royal Band, "Dances of the Paper Dolls."
 Ted Wallace and His Campus Boys, "Jericho" (Meyers).
 Hal Swain's Cafe Royal Band, "Petticoat Lane" (Reg.).
 Waltz—The Columbians, "Christina" (Gottler) (01585).
10.12 : Foxtrots—Will Prior and His Stage Band, "Old-Fashioned Rose."
 Stellar Dance Band, "Sweetheart of All My Dreams."
10.18 : Vocal duet—Ford and Glenn, "Tin Pan Parade" (Gillespie) (G20364).
10.21 : Foxtrots—Jan Ralfini and His Band, "Deep Night" Valse (Reg.).
 Stellar Dance Band, "Honey" (Simons) (Reg. G20487).
 Jan Ralfini and His Band, "Fashionette" (Glogau).
 The Harmonians, "Little Pal" (De Silva) (G20511).
10.33 : Waltzes—Rudy Vallee and His Connecticut Yankees, "By and By, Sweetheart" (Valentine) (G20510).
 Bar Harbor Society Orchestra, "Celia" (Whiting) (Reg.).
 Foxtrots—Rudy Vallee and His Connecticut Yankees, "Caressing You"
 Will Prior and His Stage Band, "I Faw Down an' Go Boom"
10.45 : Vocal duet—Billy Jones and Ernest Hare, "Spring is Here" (Bennet).
10.48 : Foxtrots—Paul Specht and His Orchestra, "The Things That Were Made for Love" (Tobias) (01651).
 Ted Wallace and His Campus Boys, "I've Got a Feeling I'm Falling" (Link) (01586).
 Ipana Troubadours, "Old-Fashioned Lady" (Silver) (01561).
 Waltz—The Columbians, "Pagan Love Song" (Brown) (01585).
11.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SATURDAY, AUGUST 15.

- 2.50 to 4.30 p.m. (approx.): Sports relay.
 6.30 to 7.30 p.m.: Children's session
 7.30 to 8.0 p.m.: Sports results and talks.
 8 to 10 p.m.: Concert and dance programme, with sports results.

Sunday, August 16

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, AUGUST 16.

- 2.0 : Chimes.** Selected recordings and relay of portion of Organ Recital from the Town Hall by the City Organist, Mr. Maughan Barnett.
6.0 : Children's song service, conducted by Uncle Leo.
7.0 : Relay of Divine Service from the Pitt Street Methodist Church. Preacher, Rev. W. Walker; Organist and Choirmaster, Professor W. A. Moor.
8.30 (approx.): Overture—Berlin State Opera Orchestra, "Academic Festival" (Brahms) (Parlo. A4210).
 Mezzo-soprano—Miss Gladys Barton, "Goin' Home" (Dvorak).
 Vocal duet—Misses Gladys Barton and Alys Moncur, "Still as the Night" (Bohm).
 Suite—Orchestral Octet, (a) "March," (b) "Scena," (c) "Mazurka."
 Baritone—Mr. Wilfred Manning, (a) "Thou'rt Passing Hence" (Sullivan), (b) "My Ideal" (Tosti).
 Evening weather forecast and announcements.
 Reverie—The Orchestral Octet, "Sunset" (Hiller); orchestral, "A Tone Picture" (Hass).
 Contralto—Miss Alys Moncur, "O Thou That Tellest Good Tidings to Zion" (from "Messiah"—Handel).
 Lute—Professor R. Calace, (a) "Canto Nostalgico," (b) "Serenata Malinconica" (Calace) (Poly. 20526).
 Mezzo-soprano—Miss Gladys Barton, "The Promise of Life" (Cowen).
 Vocal duet—Misses Gladys Barton and Alys Moncur, "The Rosary."
 Waltz—The Orchestral Octet, "Artist's Life" (Strauss); orchestral, "Clair de Lune" (Thorne).
 Male choir—Westminster Glee Singers, (a) "Breeze of the Night" (Lamothe), (b) "Nellie Gray" (arr. Branscombe) (Parlo. A2992).
 Contralto—Miss Alys Moncur, "The Bitterness of Love" (Dunne).
 The Orchestral Octet, "A Dream" (Massenet); selection, "Cavalleria Rusticana" (Mascagni).
10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, AUGUST 16.

- 3.0 : Selected gramophone recordings.**
6.0 : Children's song service, conducted by Uncle George, and assisted by the Children's Choir from the Karori Methodist Church.
7.0 : Relay of evening service from St. Andrew's Presbyterian Church. Preacher, Rev. R. J. Howie, B.A.; Organist and Choirmaster, Mr. Frank Thomas.
8.15 (approx.): Relay of Band Recital by the Royal Naval Volunteer Reserve Band from the De Luxe Theatre (Conductor, Mr. Harry Baker).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, AUGUST 16.

- 5.0 : Gramophone recital.**
5.30 : Relay from Ashburton of Baring Square Methodist Church Children's Song Service, under the supervision of Rev. G. B. Hinton.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, AUGUST 15.

- 2.45 : Relay from Logan Park of Association Football Match.**
5.0 : Children's hour, conducted by Aunt Anita.
6.0 : Dinner music session (H.M.V.)—
 Royal Opera Orchestra, "Carmen" Entr'acte Act 4 and Ballet No. 1.
 Piccadilly Orchestra, "My Beloved Gondolier" (Tibor) (B2575).
 London Symphony Orchestra, "Chanson de Matin" (Elgar) (D1236).
 National Symphony Orchestra, "Light Cavalry" Overture (Suppe).
 Royal Opera Orchestra, "Carmen" Ballet No. 2 (Bizet) (C1424).
 Piccadilly Orchestra, "Souvenir di Capri" (Becca) (B2575).
 Philadelphia Symphony Orchestra, "Invitation to the Waltz" (Weber).
 New Symphony Orchestra, "Pastoral Dance" from "Nell Gwynn."
 London Symphony Orchestra, "Chanson de Nuit" (Elgar) (D1236).
 Berlin State Opera Orchestra, "The Beautiful Galathea" Overture.
 New Symphony Orchestra, "Country Dance" from "Nell Gwynn."
 Berlin Philharmonic Orchestra, "Beatrice and Benedict" (Berlioz).
7.0 : News session.
7.40 : Talk—"Bird Month—Its Aims and Objects," under the auspices of New Zealand Native Birds Protection Society.
8.0 : Chimes. Overture—Mitja Nikisch and His Jazz Symphony Orchestra, "Strauss Parody" (MacEben) (Parlo. A4114).
8.9 : Male quartet—Four Aces, (a) "Opening Chorus" (Pettitt), (b) "Kentucky Babe" (Geibel).
8.14 : Xylophone—Mr. W. J. Sinton, (a) "Eldorado March," (b) "Annie Laurie" (arr. Pettitt).
8.20 : Bass and chorus—Ace of Clubs, (a) "The Sweeper" (Kenty), (b) "Jingle Bells" (Minstrel air).
8.26 : Banjo—Stokes's Banjo Band, (a) "The Mastertone," (b) "Magic Moonlight" (Morris).
8.38 : Hebrew humour—Mr. W. B. Lambert, "Down on Cohen's Farm."
8.43 : Saxophone—Tom Katz's Saxophone Band, "Popular Songs Medley."
8.49 : Tenor and chorus—Ace of Hearts, (a) "Can't Remember" (Goatley), (b) "Massa's in de Cold Ground" (Minstrel air).
8.54 : Piano accordion—Mr. J. Dalbiano, "Popular Marches."
8.58 : Quartet—Four Aces, "Morning" (Speakes).
9.0 : Evening weather report and station notices.
9.2 : Balalaika—Balalaika Orchestra, Gorskaja, "Das Bachlein" (trdtl.).
9.6 : Baritone and chorus—Ace of Spades, (a) "Yeomen's Wedding" (Poniatowski), (b) "Tse Gwine Back to Dixie" (Minstrel air).
9.12 : Xylophone—Mr. W. J. Sinton, (a) "Dance of the Toy Regiment" (arr. Pettitt), (b) "Dancing Stars" (arr. Pettitt).
9.18 : Hebrew humour—Mr. W. B. Lambert, "The Clothing Shop" (Lambert).
9.22 : Male quartet—Four Aces, "Star Eyes" (Speakes).
9.25 : Banjo—Stokes's Banjo Band, "Il Bacio" (Arditi).
9.32 : Duet—Ace of Diamonds and Ace of Spades, "The Two Beggars."
 Tenor—Ace of Diamonds, "Nirvana" (Adams).

- 6.15: Organ music by Mr. John Corbett from Baring Square Methodist Church.
 6.30: Relay of evening service from Baring Square Methodist Church. Preacher, Rev. G. B. Hinton; Choir Conductor, Mr. H. A. Humphreys; Organist, Mr. John Corbett.
 8.15 (approx.): Relay of concert programme by Ashburton Silver Band, from His Majesty's Theatre, Ashburton.
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, AUGUST 16.

- 3.0 : Selected recordings.
 5.30: Children's Song Service, conducted by Big Brother Bill.
 6.15: Instrumental recordings.
 6.30: Relay of evening service from Moray Place Congregational Church. Preacher, Rev. Albert Mead, M.A.; Choirmaster, Mr. Alfred Walmsley.
 7.45: Selected recordings.
 8.15: Relay through 3YA, Christchurch, of programme by Ashburton Silver Band.
 10.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, AUGUST 16.

- 6.0 to 6.45: Children's Sunday Service.
 8.15 to 10.0 p.m.: Concert programme.

Test Cricket Broadcast

(Continued from page 1.)

London, referred to the splendid reputation of the New Zealand team at Home and to their very fine performance in the field during the play that day. The wicket was slow and easy, and in a very sporting way said that the run of luck had been with the Englishmen.

When the attempts at two-way communication were not going over, music was played from the 2YA studio.

FOR the second day, the technicians requested that the relay line should be kept in circuit all the time; consequently arrangements were made for Mr. Ball to speak continuously in case the transmission came through at any moment. Accordingly Mr. Ball prepared a very complete summary of the relationships in cricket between Britain and New Zealand, and in the course of this talk, which lasted for over an hour, gave a very complete review.

Conditions, however, were very much better than they had been on the previous morning, and while conversation was strictly limited, it was possible to hear the remarks that were being made from London. The first speaker was Mr. A. T. Donnelly, chairman of the New Zealand Cricket Council, who introduced Mr. Gilligan. He commented on the consideration the English Cricket Council had shown in arranging for the extra Test matches at great inconvenience to themselves. The New Zealanders had received every hospitality throughout the tour.

Mr. Gilligan said that the second day's play had been most interesting. He then spoke of the outstanding features of the day, and also of the coming tour of the Australian team next season. New Zealand had recovered well, for conditions were against a big score.

The New Zealand captain, Mr. T. C. Lowry, said that in losing the toss, he had fallen in one of the duties of a captain and consequently the English had the better of the wicket. They still hoped to save the match on the morrow.

Mr. A. P. F. Chapman recalled the English team's visit to New Zealand, and sent the best wishes of his wife

(formerly of New Zealand) and himself to friends in this country. He said there was talk of an M.C.C. tour to New Zealand two years hence, and it was greatly hoped that it would eventuate. The New Zealanders were making a golden name for themselves. It was hard luck that Dempster could not play, and the English were disappointed. He could not refer to Lowry's play because he was one of the family, but he had his own ideas about that.

Mr. D. R. Jardine, captain of the English team, commenting on the play, said that Lowry had played one of the finest innings seen at the oval for many, many years.

FOR the third day, the technicians thought that a quarter of an hour's continuous contact with the relay lines would be satisfactory and that the studio could transmit music until London came through.

Accordingly arrangements were made for Mr. Broad (of the Cricket Council) to give a history of Test matches between both England and Australia as well as New Zealand. Mr. Broad spoke interestingly for some 25 minutes, after which music was transmitted up till 8 o'clock, when London came with the greatest success yet achieved. London was heard to great advantage for something over 20 minutes, but London could not receive New Zealand. However, the transmission was almost brilliantly successful from London, and New Zealand listeners were given a rare treat. There were present in the studio Mrs. Dempster and Mrs. James, who both had the pleasure of hearing their sons speak from London.

A few minutes after eight o'clock the London exchange announced that connection had been made with the Grand Central Hotel, and shortly afterward Mr. A. H. H. Gilligan commenced his summary. The New Zealanders, he said, had done their best to save the match, but the luck had not been with them. The crowd was treated to a brilliant display by Vivian and Blunt. The spectators were very thrilled by his exhibition. The wicket had never been easy for play all the way. Had Lowry won the toss the result of the match might have been altogether different. Gilligan congratulated the New Zealand captain on the way he had handled his side, and said that English cricketers and critics had

formed a very high opinion of the team's capabilities.

Mr. R. C. Blunt was the next speaker. He said that the performance of the team had given the greatest satisfaction to the players themselves, as they had been up against a very hard side.

Mr. C. S. Dempster said that he was very disappointed to have been out of the match. He had spent two days in bed, but his heart had been with the New Zealand team. Fortunately, he had practically recovered from his injury, and he hoped to be able to play next Wednesday and in the third Test.

Mr. K. C. James also spoke.

Mr. Cecil Wray, the New Zealand Rugby Union's representative in England, said that New Zealanders at Home were very delighted with the New Zealand team and their play in the Test. They had been given a wonderful reception wherever they had gone. Football was not on the map just at present, but he expected that the Dominion would receive the amended rules soon, and thought they would provide some very interesting discussion among Rugby people in New Zealand.

Atmospheric conditions became unfavourable toward the end of the broadcast, and two-way conversation was again out of the question.

Australian Programmes

Times Corrected for N.Z.

Tuesday, August 4.

STATION 3LO: 9.30 p.m., an hour of Australian music and verse; 9.30 p.m., 9.58 p.m., and 11.10 p.m., The A.B.C. Concert Orchestra; 9.40 p.m. and 10.3 p.m., "The Sundowners"; 9.46 p.m., the A.B.C. String Quartet; 9.52 p.m., Frank D. Clewlow will speak on Australian verse; 10.15 p.m., "The New Maid," a comedy; 10.25 p.m., a short recital of classical music; 10.55 p.m., light orchestral music; 11.20 p.m., "Treat 'em Rough"—a comedy interlude.

3AR: 10 p.m., organ and choral recital.

Wednesday, August 5.

STATION 2FC: 9.30 p.m., "Ship Ahoy! Shellbacks!" a novel entertainment to be provided by sailors of the "windjammer" days.

2BL: 9.30 p.m., concert programme arranged by the Music Association of N.S.W.

STATION 3LO: 9.30 p.m., "Nothing Under Seventy," a varied programme presented by concert artists of long ago.

3AR: 9.45 p.m., dance music, interspersed with variety numbers.

Thursday, August 6.

STATION 2FC: 10 p.m., "A Woman of No Importance," a four-act play by Oscar Wilde.

2BL: 9.40 p.m., a concert by the Sydney Madrigal Society. 9.47 p.m. and 10.40 p.m., Enid Conley, pianists. 10.26 p.m. and 11.25 p.m., Joyce and Inez Lang, harp and violin.

3LO: 9.30 p.m., "Jack and Jill 'Propriety,' Unlimited," 10 p.m., dance music, interspersed with novelty numbers.

Friday, August 7.

STATION 2FC: 9.30 p.m., numbers by the A.B.C. Orchestra, interspersed with solos by Lance Jeffree, tenor, with orchestral accompaniment. 10.45 p.m., military band concert, relayed from 3LO.

2BL: 9.30 p.m., 10.13 p.m., and 11.2 p.m., G. Vern. Barnett, organist. 9.48 p.m. and 10.30 p.m., Mary Charlton, pianiste. 10.5 p.m. and 10.44 p.m., Lionel Lawson, violinist.

3LO: 9.30 p.m., vaudeville. 10.45 p.m., military band concert.

3AR: 9.50 p.m., community singing from the Ballarat Town Hall.

Saturday, August 8.

STATION 2FC: 9.39 p.m. and 10.35 p.m., Constance Burt, soprano. 9.47 p.m. and 11.3 p.m., Iris de Cairos Rego, pianist, in association with the National Broadcasting Orchestra.

2BL: 9.35 p.m. and 11.7 p.m., Marjorie Skill, soprano. 9.42 p.m., and 11.20 p.m., Frank Leonard, entertainer. 9.56 p.m., and 11.17 p.m., Harry Schofield, baritone. 10 p.m., description of boxing contest at Sydney Stadium.

3LO: 9.30 p.m., Old-time dance night.

3AR: 9.47 p.m., 10.30 p.m., and 11.22 p.m., the Master Four Quartet. 10 p.m., "Diary of a Baby." 11.6 p.m., "Auto-Suggestion," a comedy sketch.

A DX CLOCK

is Essential for Short-wave Listening.

Printed on Heavy White Paper.

Posted in Cardboard Tube.

Get yours now from your dealer, bookseller, or direct from the publishers.

"RADIO RECORD"

Box 1032,

WELLINGTON.

ILLUSTRATE Your Goods and SELL Them

Those who buy for the home, farm, office or factory have one thing in common. They usually buy the things that look best for the price. Whether their buying is influenced by newspaper advertisement or catalogue they purchase the goods pictured and described to the best advantage.

Your product can be successfully pictured if you use "Dominion" illustration blocks. Made by craftsmen who know how to produce the best results for every class of printing, they give unusual satisfaction. Let us help you with your illustration problems.

"The Dominion" Process Engraving Dept.

WELLINGTON

Day and Night Service



Fitting 'Phones

(Continued from page 16.)

two connections going into the output transformer from the set. Disregard the number of wires going into the speaker. The jack on the speaker can be dispensed with (in the case of midge sets a jack cannot be used, as there is no room to mount it) and the phones are connected as shown in Fig. 4, taking no notice of the adaptors. If a jack is used connect as shown in Fig. 6, the two flexible wires go to the two connections on the transformer from which the wire goes to the set.

When you connect headphones to a powerful all-electric radio set, you should be very careful with the volume

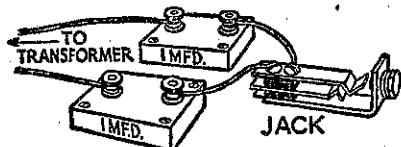


FIG. 6.

control, because if you turn it up too far a sudden loud burst of static might not be too good for your ear-drums. Also it is bad for the ears to pass quickly over a local station when tuning in with the earphones.

A separate volume control could be employed by connecting a 100,000 ohm variable resistance across the phone terminals.

If you get an unpleasant "pong" every time you touch your detector valve you can often overcome this by fixing a little plasticine or chewing gum on the top of the valve and embedding a small piece of lead in this to change the natural vibration period of the valve.

If you are building a portable set remember that the modern anti-microphonic valve holder allows of considerable movement of the valves, and that to protect these sponge rubber, or some similar shock-absorbing material, will be necessary.

Questions and Answers

(Continued from page 15.)

A.: About £6. The Sparrow Hawk about £3/10/- without batteries.

B. C. (Waitara): What valve should I use in my set, preferably they should be Marconi?

A.: In the first two stages you should use H410; in the next three L410, and in the last stage P410. These remarks hold good for other valves.

2. I live in a valley between hills a quarter of a mile apart and 600 feet high. I have approximately 60 stations on my valve set. Is this good?

A.: We have seen better logs for a set of this description, though your locality no doubt has a tremendous effect upon your reception. Would it not be possible to suspend your aerial between the two hills? You need not employ the whole span as an aerial, but use fencing wire as supports and keep your aerial about 200 feet, including the lead-in.

CURIOUS (Napier): Does corrosion of a bare copper aerial actually lessen the aerial's efficiency with regard to signal strength?—Yes.

2. My aerial is 40 feet at the far end and 20 feet at the lead-in end, and the main span is about 30 feet. Is it efficient for shortwave reception?

A.: Yes, but it would be better if you could get it a little higher at the lead-in; say get on another 10 feet.

W. M. E. (Miramar): Could you supply me with particulars of a closely-coupled primary coil to match a valve with an impedance of 200,000 ohms?

A.: Wind approximately half the number of turns on the secondary on to a former which will just fit inside the two-inch former. Use 36 gauge wire.

A. MATEUR (Petone).—My set weakens then comes back to normal, and within an hour falls off. The "B" eliminator seems satisfactory because it keeps up a steady hum, and the accumulator is fully charged. The complaint has commenced since putting in a new "C" battery. Reverting to the old one is no improvement.

A.: It is difficult to tell you where to look for the trouble. It probably lies in

the transformer, one of the valves, the speaker, or a condenser. It may possibly be a loose connection. Have your valves tested and take your eliminator along and that he knows to be all right.

ask your dealer if he will put it on a set 2. Recently I picked up JOHK. Is this good? I also pick up 6WF, Perth.

A.: Yes, very good indeed. 3. I have constructed the Sparrow Hawk differential adapter, but cannot get anything out of it. The wiring seems O.K. I have reversed the filament leads without making any apparent difference. The third lead from the adapter goes to the anode in the detector valve socket and the grid is left blank. Is this correct?

A.: Yes. There is undoubtedly something wrong with the adapter. Try connecting a pair of phones between the pin that goes to the anode and a suitable "B+" tapping. Connect the filament to the two filament prongs of the detector. We hope you have noticed that your sockets are English type with the pins spaced out like the Southern Cross. The anode is the one by itself, the grid and the two filaments are grouped together. The filaments are the two outside ones.

TELME (Auckland): What valves are used in the "Sellens' a.c. Short-wave Receiver?"

A.: A442, A615, A609, B605. Any valves of the types enumerated will be satisfactory. Note that A442 is a four-volt valve, and in order to break the six-volt current down to four volts a rheostat has been placed in the filament of the first valve.

2. What are all the earths on the by-pass condensers, etc., attached to?

A.: They are connected with the metal panelling which is connected directly to earth.

3. What would be the total cost of the "Sellens' Short-wave Set," including all batteries, valves, etc.?—A.: £10 or £11.

GRID (Hastings): I have a four-valve a.g. set which was damaged in the earthquake. I wish to remodel it. What in your opinion is the most efficient five-valve set within the capabilities of the amateur builder?

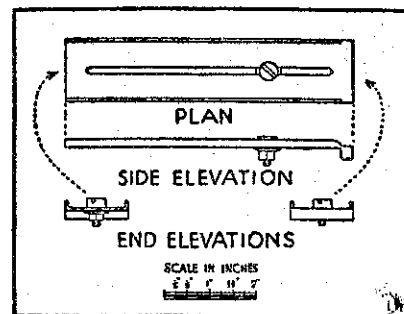
A.: Undoubtedly the Outspan Five, which was published in the "Radio Record" dated February 20, 1931. You will find all data there. You can use the Colvern coil formers without making any alterations in the number of turns.

Stalloy Cutting Device

A CONSTRUCTOR has shown us a very useful device for cutting stalloy to the correct measurement. Many constructors know that cutting

a large pile of stalloy strips, each one exactly the same length, is not easy unless some means of accurately gauging the length of each is found.

He has made a small device of brass, and the illustration shows it very clearly. The slot width is the same as that desired for the strip, while the



length is somewhat longer than the longest strip. The stalloy will just fit in between the grooves shown in the end and side elevations until they reach the nut. They are then sheered off along the thickened end shown on the right of the side elevation.

The position of the nut, of course, will determine the length of each strip. It is a useful little device, and well worth knocking up by anyone who contemplates cutting a lot of stalloy.

Even for those who cannot get the brass, and have not the means of turning out the nicely-finished device depicted in the plan, there is the possibility that they will be able to adapt the specifications for some little device of their own.

Bob Horrobin's BARGAINS

- BRANDES' PHONES— 15/-
2 M.F.D. By-Pass Condensers— 4/-
HEAVY DUTY 4½ V. "A" Batteries — Tested amps. and volts before you buy— 3/6 ea.
DRY CELLS—1½ V. 20 amps.— 2/- ea.
UX SOCKETS— 1/3 ea.
Valves for all sets at prices to suit all pockets.

Money Back Guarantee on All Purchases.

FLASHLIGHT CORNER

Next Traffic Signals, Courtenay Place. Quick Repairs. - Phone 22—357.

"The Kestrel Three"

RAY-O-VAC 2-VOLT VALVES are especially suitable for the "Kestrel Three"—and they are economical on batteries.

RAY-O-VAC Screen-Grid RY232
Power RX231
Detector RX230

(American Base)

We can supply the other parts for your "Kestrel Three," including Aluminium Screen and Push-Pull Indicating Switch.

THOS. BALLINGER & CO., LTD.

58-62 VICTORIA STREET, WELLINGTON.

"Where the Quality Goods are Sold"

DUBILIER CONDENSERS for "KESTREL 3"

GIVE BETTER RESULTS!

- .0001 Mica Condenser and Clips, 2/- each.
- .0002 Mica Condenser and Clips, 2/- each.
- .5mfd. Mansbridge Condenser, 2/9
- and 10 meg. Leaks, 1/6 each.
- Radio Fcy. Choke, 5/6.
- .00015 Differential Condenser, 6/6

- 30 ohm Rheo., 3/-.
- Ebonite Tube, 4in. x 2in., 1/-.
- .0003 Var. Condenser, 9/6.
- .0003 Var. Condenser, with 200-1 Verner, 15/-.
- 400 ohm. Potentiometer, 5/-.

All Other Parts Stocked.

A. E. STRANGE

404 WORCESTER STREET, CHRISTCHURCH.

Short-wave Notes

The "Voice of Holland."

A WEEKLY broadcast, the Voice of Holland, provided by the press agencies of The Hague and Amsterdam, takes place each Sunday at 2.10 a.m., New Zealand time, from PCV, Kootwijk, on a wavelength of 16.85 metres. The "Voice of Holland" is broadcast in Dutch, French, English and German.

French Colonial Shortwaver.

THE new French shortwave station, which is situated at Pontoise, has a power of about 13 kilowatts, three masts, and two transmitters, which are stabilised by crystals and will work either separately or simultaneously. There is a special auditorium for this station at the Colonial Exhibition, and is being announced as "Poste O 12,000."

For the time being there will be a transmission each day from 6.30 p.m. to 9.30 p.m. meant for Oceania, followed by a second one for Indo-China. A little later there will be a transmission for Africa, which will last until 9.30 a.m., between which time and 11.30 a.m. America will be the objective. (All times N.Z.) These programmes will consist of news, economic, political, literary and artistic, as well as a concert.

Short Waves from Manila.

IT is officially reported that the Manila stations listed as working on 48.8, 31.4, 26.1 and 24.5 metres are no longer in use. Broadcasting in Manila will be done only on 485 metres, with an aerial power of 50 k.w.

VE9CL, Canada.

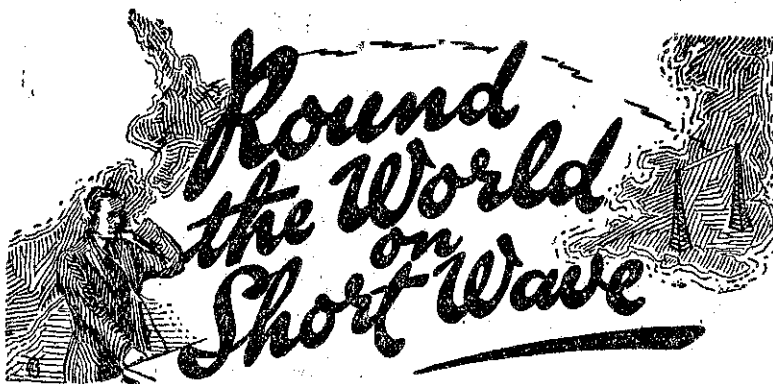
VE9CL, 48.8 metres, are putting on a late programme twice a month for reception in this part of the world. The time to listen is between 5.30 p.m. and 9.30 p.m. on the 15th and 30th of each month.

WSXAL, Cincinnati.

THE Crosley Radio Corporation advises that they intend to carry out 24 tests once each month so that they will be able to determine the variation in short-wave transmission throughout the world. One has just concluded (Sunday morning, August 2), the next starts at 4.30 a.m. on September 1, our time, and continues till the same hour the next morning. The letter arrived too late to include these particulars in last week's notes. Any readers who heard this test are invited to forward as full a report as possible to the Technical Supervisor, Station WSXAL, the Crosley Radio Corporation, Cincinnati, U.S.A.

"Radio Maroc," Rabat.

A LONG letter has just been received from the Inspector-General of the Post Office Telegraph and Telephones of Maroc. The short-wave station is located in the outskirts of Rabat, in the same field as the broadcast station "Radio Maroc." The main aerial is so arranged that the energy radiated is at a maximum in the direction of Paris. Two secondary aerials are constructed to



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

radiate in all directions. The secondary aerials are used for communication with Paris when the directional aerial during certain hours becomes ineffective, for broadcasting their Sunday programmes, and with a view to the eventual establishment of communication with Tunis and French West Africa.

The stations are crystal controlled. Power on telegraphy is 15 kilowatts and 8 kilowatts on telephony. Every Sunday the programme of "Radio Maroc" is relayed on short waves as follows:—New Zealand time, Sunday, midnight till 1.30 a.m. on 23.38 metres, and Monday, 7 a.m. to 9.30 a.m. on 32.26 metres.

PCJ, Holland.

MR. EDWARD STARTZ, the six-language announcer of PCJ, in a letter just received states that New Zealand is one of the foremost countries in the world in "the short-wave game," in fact, more reports are received from this country, for its size and population, than any other part of the world. Reception of PCJ in the United States has gone backward on account of transmitters in that country working close to PCJ's wavelength, causing interference. In all other countries reception has improved and become fairly reliable. Mr. Startz thinks this is due to the improvement of atmospheric conditions and their new beam aerials, which have given remarkable results.

During the summer months of Europe the 1.30 p.m. to 5.30 p.m. Saturday afternoon transmissions will only take place fortnightly instead of weekly. Reports are invited on their Saturday afternoon 14.18 G.M.T. programme (Sunday, 1.30 a.m. to 5.30 a.m., New Zealand time), as they would like to know if PCJ can be heard in this country during this period.

Notes on Reception During
Week Ending August 1

MORNING reception has been spoilt in the writer's locality by an electrical interference. This has limited listening at this period.

HVJ, Vatican City, Moscow and REN continue to come in well at 6 a.m. onward. Zeesen, 12RO and 5SW are weak till after 7 a.m.

GBP, the English P. and T. phone station, came in well on Thursday, Friday and Saturday with the New Zealand cricket scores. They were weak at 6 a.m. each day, about R4, but by 7.30 a.m. volume was up to R8-9.

Radio Maroc on Monday was R8-9 from 7.30 a.m. The Colonial French station comes in well after 8.30 p.m.

W2XAF and W1XAZ close by the time they reach good volume during the afternoon. W2XE, W9XF and W8XAL on the higher wavelengths reach about R8 by 4 p.m. The latter station comes on

D.X. NOTEPAPER.

Makes sending for verifications easy.

Per two dozen lots, 1/6 posted.

Per 6 dozen lots, 4/- posted.

Special paper for members of the D.X. Club. State your station number when ordering. Non members can still get the ordinary notepaper from booksellers and office. DX Club paper from office only. Write to Box 1032, Wellington.

again at 10.30 p.m. or 11 p.m. with music and early morning exercises.

The 24-hour test from WSXAL was interesting as far as I heard it. At 6 a.m. to 7 a.m. they were just audible—say R1-2—and had disappeared at 8 a.m. They were heard again about 2.30 p.m., increasing slowly to R9 by 4.30 p.m., at which volume they remained constant till 11 p.m.; after this they went off to R8 at 11.30 p.m. and were inaudible before midnight.

RV15 has come back again to its old volume, Wednesday and Thursday nights being R9 as usual.

VK2ME, on their new international programmes on Sunday evening and Monday morning, came in at R9 as usual. VK3ME, on Wednesday evening, was very poor, being only R7 at its best, fading right out at times.

Radio Saigon is now as good as ever from 11 p.m. PK3AN and PMY, Java, commenced about midnight on Saturday, but were spoilt by static. PLW was excellent at R9 on Saturday from 10.30 p.m. with children singing.

Short-Wave Club

The Secretary Writes

A CORRESPONDENT raises an important point concerning my last notes re home-built receivers. I must agree with him when he says that home-made sets do not always compare favourably with the factory product. I really meant the paragraph for those who are economising, that is why I recommend a small set for a start. But in case there is a misconception, I may state that many of our members are getting good results with commercial sets. I quite agree with my correspondent that a short-wave set is a "tickly" instrument, and more delicate to build than the h.c.

Several letters agree that, with the advent of the DX Club, matters radio should hum in New Zealand. (The editor will no doubt agree with me that the "hum" will be difficult to eliminate.)

With the extended schedules of 2ME and 3ME, night listening is becoming more interesting, and the 80-metre band is livening up. Many of the ham phone stations are reaching a very high standard.

Membership is again on the up-grade. A large number appear to be under the impression that, to become a member, it is necessary to own a set or be a fully qualified technician. The only qualification necessary to join is an interest in radio. The club is open to all, and, by means of unity, we hope to learn the latest and assist each other.

Several enthusiasts from overseas have inquired if they can join up. As a writer points out, short-wave has yet to become popular—there are many things to understand, hence the foundation of the club. Many people imagine that the short-wave set can be used just the same way as a broadcast one. One peculiarity that is noticeable, in a broadcast set many things can be modernised with advantage, whereas, with a short-wave set, there appear to be certain old principles that we must retain, but one of the greatest factors that cannot be too strongly impressed is the art of tuning.

I meet many people who, although they do not go in for DX work, regularly read the short-wave and DX club notes. Unconsciously they are gaining an education as regards wavelengths and conditions, so it tends to show that the reports from listeners are appreciated.

I have again to thank the many people who have written in with information. I am still at the same address: A. B. McDonagh, Secretary N.Z. Short-Wave Club, 274 Cuba Street, Wellington.

A HIGH magnification factor for a valve is nearly always associated with high impedance, and a low magnification factor with low impedance.

THERE is no need to build a special set for shortwave reception as most sets can easily be adapted for this, either by special coils or by a short-wave adapter.

SPECIAL VALUES

0-50 Pocket Voltmeters, 7/6. Now 5/-
171 A.C. Tubes, for Electrics, 18/-.

Now 10/6
Tone Controls, for Push-Pull Sets, 19/6
Speaker Extension Cords. 20ft., 2/-
Speaker Extension Cords. 50ft., 4/6
Extension Cord Connectors 1/3
Hydrometers—small, 2/3; large, 3/6
"C" Batteries, 44-volt, 1/-, 3/9; 9v. 2/9
Spark Tester and Pencil, 1/6; large, 1/9
3-Valve Radio, complete . . . £12/10/-
Speakers from 37/6, less special discount

ROYDS-HOWARD CO.,

553 Colombo St., Christchurch.

A. J. PARK & SON

Patent Attorneys

Routh's Buildings,
Featherston Street,

WELLINGTON

YOU CAN'T BUY A BETTER VALVE THAN

Mullard
THE MASTER VALVE

The Good Old Days.

"VICTORIANA" of any kind is now definitely valuable, and an exhibition has been staged recently in London to enable earnest collectors to purchase Berlin wool-work screens, china dogs, mahogany dining-tables, and the like. Victorian four-poster beds have already returned to fashion, and so have Victorian glass chandeliers, in blue and yellow and pink!

Rules for Highbrows.

HAVE a rich father. Realise the supreme importance of the right sort of ignorance. Despise technique, and pin your faith to flair. Remember that nearly all successful authors, dramatists and composers are, ipso facto, second-rate; you belong, you must remember, to the select aristocracy of the unpublished and unproduced. Always sneer when the rest are laughing, always kneel in reverence when the rest are passing by, and always stand when the rest are kneeling.—Beverley Nichols.

That Priceless Attribute.

"PANDORA" writes, with truth and point: "Why is it that to hear anyone say she has a sense of humour fills one with grave misgiving? Probably because, like honesty or good temper, it should need no self-advertisement, and self-praise about humour or other qualities is no recommendation. There are people who would have their sincerity or their good humour questioned, their bridge or their golf criticised, without turning a hair, yet are indignant if suspected of having no sense of humour."

Coffee With Care.

BAD tea is not nice, nor is it wholesome. But still, even if cold, lukewarm, and too weak, or too harsh and potent, it can be tolerated by those habituated to its consumption. But bad coffee cannot be endured; it ought to be, as some philosopher has observed, strong as death, hot as hell, sweet as love; and of first-rate fragrance and quality. Cold, weak and flavourless, it becomes an abomination. But it cannot reveal its true merit, or any merit at all, unless it is prepared with care and judgment, served as soon as made, and distilled from newly-roasted beans.

British Pluck.

IT has been well said that if anything is needed to be done, the busy man or woman is the one to approach for the task. Even more truly may one say that, when in need of cheering, we should go to the afflicted. The other day, says an English correspondent, I paid a visit to the Yorkshire Home for Chronic and Incurable Diseases at Harrogate. Within the home was that sunshine which springs from the hearts of men and women who have known sorrow and sickness and yet emerge triumphant. It is in such a place that the petty trials which beset us seem mean and trivial, and our grumbling so insignificant that we cannot but be ashamed, and feel ourselves humbled in the face of so splendid a courage.

Do You Know—

THAT if, when tinting white lace with tea or coffee, you add one drop of milk to the liquid before using, the lace will look less yellow and more like old lace?

That moths can successfully be kept out of furs, blankets and other articles during the warm weather by storing the articles away wrapped in new



unbleached calico? No moth can bear the smell.

That you can prevent your black flower bowls becoming badly water-marked by rubbing them over thoroughly with furniture oil and polishing them well before putting water into them?

And that delicate china should be washed in warm water to which a little fuller's earth has been added instead of soap?

Literary Ladies.

LOOKING back only to about one hundred years ago, the change not only in the forms of literature but also the types of people who write is simply amazing. The Bronte sisters

The Fan

Lovely Semiramis
Closes her slanting eyes:
Dead is she long ago.

From her fan, sliding slow,
Parrot-bright fire's feathers,
Gilded as June weathers,
Plumes bright and shrill as grass
Twinkle down; as they pass
Through the green glooms in Hell

Fruits with a tuneful smell,
Grapes like an emerald rain,
Where the full moon has lain.
Greengages bright as glass,
Piles on each gilded booth,
Feel their cheeks growing smooth.

Apes in plumed head-dresses
Whence the bright heat hisses—
Nubian faces, sly
Pursing mouth, slanting eye,
Feel the Arabian
Winds floating from the fan.

—Edith Sitwell.

ters, Jane Austen and Mrs. Gaskell caused a sensation when they proved that women could write interesting and human stories, with clever character studies in them. To-day it almost appears that innumerable intellectual women who either have no family responsibilities or else having fulfilled them need something to take their place to keep their brains occupied, turn their attention to writing, and it is remarkable how many achieve real success, though so far no Conrad or Kipling has arisen on the feminine horizon.

Some Interesting "Tips."

FINE black broadtail is the most chic choice of all, especially when the collar is faced with white fur worn with a pleated black wool dress, with white chemisette and jabot, surmounted by a black cap trimmed with black and white quills, which seem a little more suitable to a tailored "ensemble" than flowers. Black still leads for smartness, its only "country" rival being navy blue,

both in the lighter as well as the dark tone. Dark olive green suits a few women, who can also wear brown and cream-patterned fabrics and the darker green. Navy blue, like black, is most successful in all the new light wool materials with that hopsack, or grained, surface. Thick jerseys, or tricots, are best for the spring or summer, tailor-made. They have a certain softness which is found to be more becoming than the rougher serge weaves. When the really sporting suits are worn, the bolder checked or striped tweeds are chosen. These look as well made with a coat cut either short, or in the new three-quarter length, in double-breasted style, and completed by either a cap of knitted fabric with felt or a straw-brim, of the smaller half-cloche shape, in a coloured straw crepe.

A Notable Artist.

ONE of the best of recent exhibitions in London is that of Miss Ethel Walker's oil paintings at the Lefevre Galleries. Though many critics consider Miss Walker the most accomplished woman painter in England to-day, and though a fine picture of hers, "Nau-sicaa and her Maidens," has been in the Tate Gallery for four or five years, her work is not as widely known as it deserves to be.

Such a picture as the "Indian Shawl," in its sweep of line and graceful pose, could only have been painted by an artist of rare distinction. Miss Walker's colour is strong and good, but her imaginative power is her greatest asset. As her Yorkshire friends and admirers will probably agree, her best painting is seen in her seascapes, with their views from Robin Hood's Bay.

The Secret.

GOOD manners are the precepts of gentleness, kindness its practice. To think first of others is the secret of gentleness.

—E. Gibson.

Youthful Vandals.

CAN nothing be done to prevent the children who play in various public gardens from completely spoiling the appearance of these places by throwing toffee papers, orange peel, sweet bags, and so on, anywhere but in the litter baskets which are provided? It is not the fault of the gardeners, who are indefatigable in their efforts to keep the places tidy. It is entirely the fault of the children, or perhaps, it would be truer to say, of their parents.

The Pendulum Swings.

SAYS an English correspondent: The amazing change in the outlook not only of women to the world, but also of the world to women, which has taken place during the past thirty years is a never-ceasing topic of discussion, but as a member of the post-war generation—that is of the men and women who were not old enough to take part in the war, but nevertheless were just old enough to realise that it was being fought—I must admit that I was not aware how great that change

has been until the other day I read Sylvia Pankhurst's book, "The Suffragette Movement." It is almost impossible to realise that only thirty years ago girls were expected to stay at home in the hope of getting a husband, and that careers for them were taboo because to be paid for work was not genteel. Even if a woman married she was completely and effectively "suppressed" by her husband, however kind he was, and she depended entirely on him. By law she had no rights. Men did not dream that women were capable of doing any of the things they did achieve later, and the one or two brave souls who, before that time, had studied at London University—the only university where training was available to women—were regarded as freaks and bluestockings. When Mrs. Pankhurst started the suffragette movement in 1906, to men's alarm it spread with extraordinary rapidity. Then the war broke out. There was no time to argue; with the men away at the front there was no alternative to the women doing the men's work at home. And, untrained as the majority of them were, they threw themselves into the breach with a zest and a display of common sense which silenced for ever the people who accused them of brainlessness, impetuosity, stupidity and all the other weaknesses to which they were supposed to be heirs.

Modern Indeed.

IT is, indeed, a sign of the interest that women are taking in private flying that the Hon. Mildred Leith, sister of Lord Burgh, should have taken up the post of advisory expert to would-be women flyers, and be deluged with inquiries. Miss Leith, who is also an expert motorist and who worked in a garage as a mechanic for several years, is a great friend of the woman flyer, Miss Siclee O'Brien, and all her spare time is spent at the London Aeroplane Club, where she holds an "A" license. There are as yet no women pilots in the various air services being operated either in this country or abroad, because men with long air service records obtained during the war naturally have preference, but Miss Leith is convinced that very soon women will be employed as air-chauffeurs for little trips to the Continent in the saloon model light aeroplanes that are popular with women owners.

Those Little Feet.

THERE seems to be a trend of late for better and brighter shoes. Not only are evening shoes and boudoir shoes gay with tinsel and colour, but outdoor and especially sports shoes have succumbed to the colour craze. You may now own a pair of shoes to match every dress and sports suit in the wardrobe, and these need not necessarily be expensive shoes, for the latter have been considerably reduced in price during the last twelve months. The most beautiful shoes of coloured suede and kid are now obtainable in shades of blue, ranging from cornflower to dark navy, green, including a new shade, very delicate and subtle, and appropriately named paroquet; all shades of red, and, of course, numerous tones of grey and fawn. Brown leather, in darker shades, retains its vogue, however, and so does black, glaze and dull surfaced black kid. There is a general vogue for python among the reptile skins. Python shoes and handbag to match look very smart with a semi-sports suit, and promise to have great popularity this year.

... With ... BOOK and VERSE

By "John O'Dreams"

Jottings

ANOTHER book from the author of "Mother India" cannot fail to arouse interest, remembering Miss Katharine Mayo's courageous and terrible indictment of the hideous evils of the Hindu child-marriage system. Her revelations, burning with indignation, worded with the utmost frankness, and giving chapter and verse for her statements, shocked the Western world. Passionately partisan, her book was challenged by many writers and thinkers as hysterical and propagandist, but in its obvious sincerity of motive made a tremendous impression in three continents. Recently a special committee investigated the revelations contained in "Mother India." This committee consisted of prominent Indians and one British woman doctor. It toured India and took voluminous evidence, filling 4534 pages. "Volume Two," Miss Mayo's latest work, is a digest of the report and evidence of this "Age of Consent Committee," the conclusions of the committee being summarised and set before readers in concise and convincing fashion. Witnesses of all classes, ranging from members of the Indian intelligentsia and Brahmins, women behind the purdah and women with university degrees, to field labourers and untouchables, were examined, and their evidence brought to bear in throwing light on the great existing evil. Miss Mayo maintains that the evidence as a whole supports her main contentions: that early marriage is widely prevalent all over India, and that such marriages are not merely formal; that the movement against it is confined to a very small progressive minority; and that recent legislation has proved ineffective. Miss Mayo's courageous efforts to fight this diabolic practice are to be acclaimed, and no student of Indian affairs can afford to ignore the testimony epitomised in this enlightening volume.

THE award of the Goethe Prize for Literature to Ricarda Huch for her life's work has been acclaimed by the whole of the German literary world. Ricarda Huch is over seventy years old, and she is the only woman writer whose works claim equality with those of men on the bookshelves of German academicians and writers alike. Her latest work, "The Revolution of the Nineteenth Century in Germany," just published by the Deutsch-Schweizerische Verlagsanstalt, crowns her year-long labours in the historic field. The revolution is that of 1848. Ricarda Huch began her career as poetess and novelist, and her insight into the hidden springs that move the great figures of her country's history is such that many believe the present work will be the classic picture that will make Germany's later revolution of 1914 fully clear to posterity.

PRIZE POEM COMPETITION

THE prize of half a guinea in the current competition is awarded to G.F. for "New Zealand: A Sonnet," which will appeal to discriminating readers by reason of its skill in composition, true touch on emotion, and rounded completeness. Selected for commendation is "A Song of Weariness," by "C," which has a fleeting, rhythmic beauty and some distinction; and "Eerie Nights," by M.L.G., who expresses her quaint conception with ingenuity and success.

"The Tumultuous Ether": A big subject, handled with clarity and vigour, but over-repetitive phrase weakens effect.

"Rose Marie" sends somewhat over-sentimental lines. The poetry of love must be very skilfully phrased to carry its effect.

"Thur" pays graceful and musical tribute to that which, among the virtues, is perhaps the greatest.

Flaneur: Unconvincing to the bad and bitter end.

"C.": Thanks indeed for graceful words of appreciation. We agree that in the Poet's Corner of the "Record" much interesting work has appeared; a proportion of the poems reaching high literary standard; your own prize-winning contribution being remembered as a fascinating and unusual poem.

"Novitius": Your two small poems are arresting, especially "De Rigueur," which with power and metrical music moves to artistic conclusion.

"Knowledge" is a wise and lovely poem, revealing its author as possessed of a sense of the beauty of words and a knowledge of man's dependence. S.E.F.-J. sends more of her easily-flowing rhymes. This contributor is obviously happy-hearted and alive to beauty, but somewhat over-prone to "tell the world" its duty, as she conceives it.

"Fly-by-night": Unconsciously ludicrous.

"Her Last Word": And a very good thing.

"Mackerel": Moonshine.

New Zealand: A Sonnet

*I've been in England when glad April's there,
And walked in chequered fields gold-pied with flowers,
And gazed at dusty relics—castle towers
That moulder in dead grandeur everywhere;
I've seen Egyptian tombs, with treasures rare,
Which in forgotten days had been the dowers
Of poor dead queens. I've passed long, magic hours
In distant lands, immeasurably fair;
But though my feet have wandered, my heart stayed,
Enchanted by each green New Zealand hill,
And lingered there in every fern-bowered glade;
For, in my youth, I heard a tui thrill,
And watched the sunset on the mountains fade
To silent evening, and the land grow still.*

—G.F.

M. ANDRE MAUROIS, versatile, vivid, and profound, has added another feather to his literary cap in "Chelsea Way." The milieu of the story is Chelsea, its protagonists the artists who live, move and have their being in the artists' quarter. M. Maurois is delightfully witty at their expense, and their eccentricities of speech and manner are aptly parodied. The pen of this ready writer flows on like a smoothly-moving river, and it is interesting to observe how he exploits the possibilities of the long sentence.

"WANDERER'S END" is an intriguing novel. The author, Dennis Cleugh, spent years in writing it, describing the life he led when one of a travelling company of players giving Shakespeare in the English provincial towns. It is sad to think he died suddenly before finishing the book. His wife, Sophia Cleugh, wrote the last two chapters; and there is a foreword by Christopher Morley, whose troupers Cleugh joined in the Hoboken Stock Company, and died suddenly just after rehearsal. The story relates to one Don Paradise, who, in trying to escape

from himself and from memories, faints outside the gates of Marcus Junius Pollen and his wife Miranda; one gate bearing the name "The Priory," the other "Belmont," to suit the tastes of both husband and wife. Paradise became secretary to the Pollens, and we are introduced to a strange household—Dame Trot, the kind-hearted; Sobit, the red-bearded hunchback; Robin, the quaint and lovable son of a bearded lady; the inhabitants of Wanderer's End; and a host of the most interesting characters, including Lady Sabrina Cuddy, Alonzo the long-lost, and a quite essential elephant. Interesting and charming, with a true touch of sadness in the wanderer's end of Pollen with his ambition to play Hamlet.

* * *

"COPPER City," by Mr. Myron

Brinig, is written in rapier-like style that flashes and cuts in its narrative form. The author's keenness of phrase and observation are outstanding, and his sympathies singularly far-reaching. There are practically two heroes in this rather remarkable novel; an uncle and a nephew. But their interests do not clash, but rather run parallel in this vivid story of life in a gold-mining town. The contrast between John, the upright and naturally abstemious, and the woman Zola, with her practised knowledge of the seamiest side of human nature, whom he takes to live in his home, makes memorable impression.

* * *

MR. BEVERLEY NICHOLS keeps up the pace. At 25 he gave his reminiscences to an astonished public. Two years later came his piquant, audacious, and oftentimes impertinent sketches of famous people whom he knew. Then "The Star-Spangled Manner" appeared, and excellent reading it made, with its revealing comments of American modes and manners. Now these volumes are combined in an omnibus book of nearly 900 pages. Mr. Nichols's years number thirty, and though there are some who disdain his literary methods, there are a great many more who delight in his frank and mordant comments on the passing show as it appears to his singularly gimlet-eyed and challenging regard.

* * *

IN "Society at War," Miss Caroline Playne, who already has the admirable "The Neuroses of the Nations" to her credit, gives a vivid description of what civilians did in Britain during the war, a subject not often dealt with.

This power valve is noiseless!



It's
MADE IN ENGLAND
*...and
made better*

THIS is the Osram MX.245 power valve. Within its characteristic limits it gives unparalleled results in all output circuits—extraordinarily distortionless amplification, ample current capacity, and complete freedom from all microphonic noises. It is the *only* 245 valve in the 2.5 volt range that is noiseless under all conditions of operation. You can test Osram '2.5' superiority at your Radio Dealers. Ask to switch on any set, tune out all stations and tap the 224 or 227 detector. If it is microphonic the speaker will emit a pinging noise, indicative of imperfect reception. If the microphonic valves are replaced by Osram 2.5s, tapping will result in silence.

Osram
2.5
Valves

Ask your dealer also to show you the full range of Osram 2.5 volt valves—
MY.224, MY.227,
MX.245 & MX.280

**MADE IN
ENGLAND**

Advertisement of the
BRITISH GENERAL ELECTRIC CO. LTD.

37 Taranaki Street, Wellington.

Brunswick Bldgs., 49 High Street, Auckland.

Hannaford Chambers, 145 Worcester Street, Christchurch.

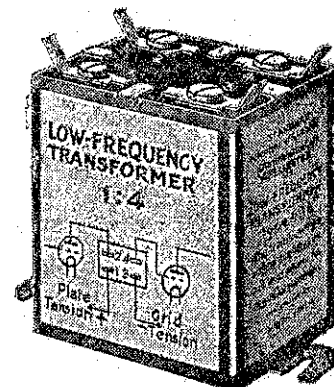
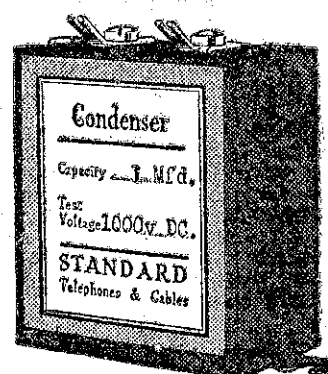
Only a Few Copies Left "THE RADIO LOG"

The first edition of the "Radio Log" has been so well received that we have almost sold out. Do not be one of the disappointed ones. Procure your copy to-day.

The "Log" is a magazine for long-distance enthusiasts. It is the official organ of the DX Club and is devoted entirely to the wants of our readers.

Obtainable from all radio dealers and booksellers. Price 6d., or send 7d. in stamps to the publishers.

"THE RADIO RECORD"
BOX 1032, WELLINGTON.



RECORD SALES

Thousands were sold in June, and July sales to date represent a 100% increase. Orders already received for August deliveries indicate a further 100% increase.

The reason for these record sales is that Standard Condensers and Standard Audio Transformers are giving absolute satisfaction. They have proved themselves in service all over the World.

Ask your local radio dealer about them.

Standard
Telephones and Cables (Asia) Limited

HEAD OFFICE: G.P.O. BOX 638, WELLINGTON.

AUCKLAND: G.P.O. BOX 1897.

SOUTH ISLAND: L. B. SCOTT, LTD., CHRISTCHURCH.