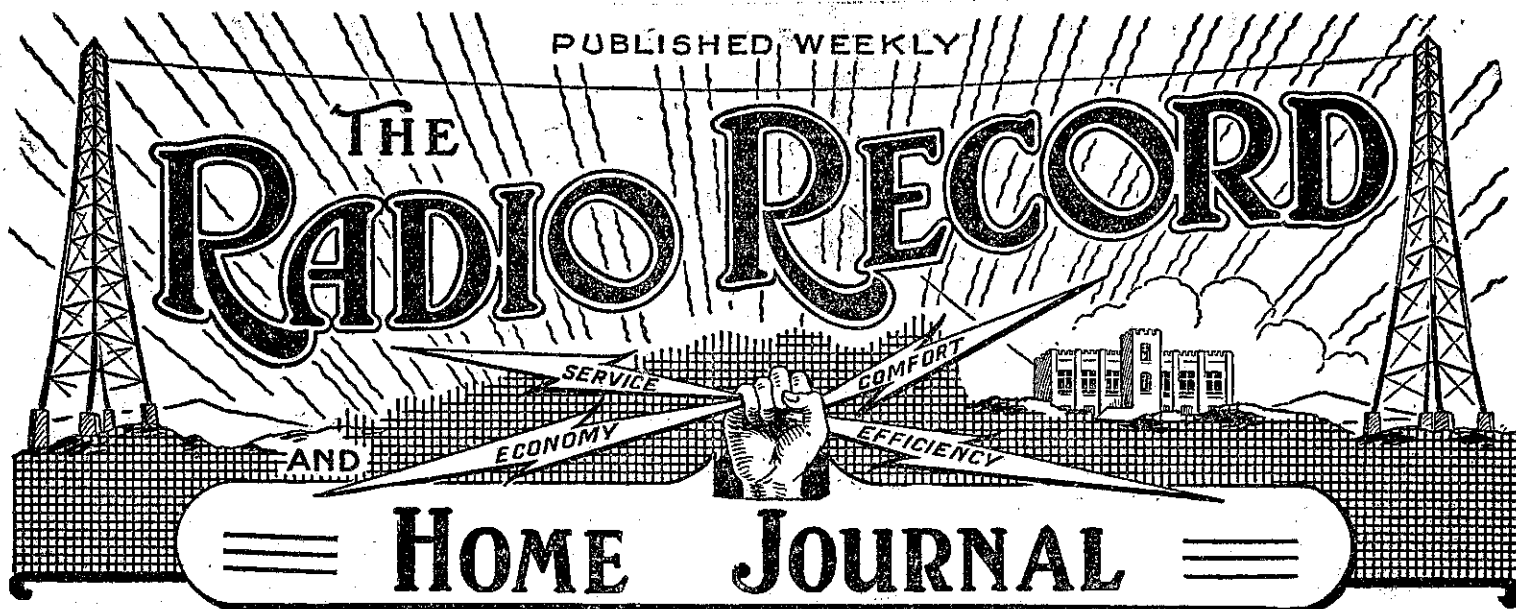


PUBLISHED WEEKLY

THE RADIO RECORD



HOME JOURNAL

Vol. V., No. 10.

WELLINGTON, FRIDAY, SEPTEMBER 18, 1931.

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UX 245	Now 12/-
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UX 250	Now 55/-
RCA 232	Now 18/6
RCA 235	Now 17/6
RCA 247	Now 17/6

SEVERAL thousands of automatic machines for the supply of flexible gramophone records have recently been installed all over England.

IN connection with the Faraday centenary celebrations held this month in England, it has been suggested that suitable inscriptions be cut in the floor of Westminster Abbey in memory of both Faraday and Maxwell.

"RADIO advertising" has become a serious rival to Press advertising in America," asserted a well-known English publicity director on his return from the United States recently. It certainly appears difficult to escape from advertisements in that country.

AN English contemporary states that the latest fashion among the smart society of Paris is to have notices of births, deaths, and marriages broadcast instead of publishing the information in the conventional manner.

AT the York Diocesan Conference held recently in England one speaker said that he was appalled at the suggestion of bringing "that devilish mechanical device, the wireless," into their country churches.

A PARIS landlord stipulates that prospective tenants must bring "neither cats, dogs, nor radio re-

ceivers." Personally, we find landlords more trying.

PROBABLY the most novel defence ever offered in court by a wireless "pirate" was that of an English listener, who pleaded that his set would not pick up foreign stations, and that in consequence he considered himself exempt from paying a license fee.

IT is stated that the British public are now spending 20 million pounds sterling a year on wireless, while listeners-in are increasing at the rate of half a million a year.

UNDER the title of "Invalid Night," weekly medical talks at the microphone are now a regular feature for listeners to the broadcasting station at Turin, Italy. Listeners are permitted to send in particulars of their ailments for diagnosis by a qualified doctor.

THE following startling entry, referring to a church service relay, is from a B.B.C. engineer's log-book: "Minister blasting heavily; congregation faint."

RECENT tests in Copenhagen on a wavelength of 7 metres were seriously interfered with by the magnetos of passing motor traffic, but, curiously enough, the trouble disappeared when the wavelength was raised to between 9 and 10 metres.

ALTHOUGH cigarettes are now toasted, given health-ray treatment, sun-dried, aged in the wood, and what not, it is pleasant to find that the wit of man is not yet exhausted, says "Wireless World." Comes an electric cell which is now used for testing cigarette paper. In a certain factory the paper is passed before the cell and any hole or imperfection is revealed by the operation of a warning device.

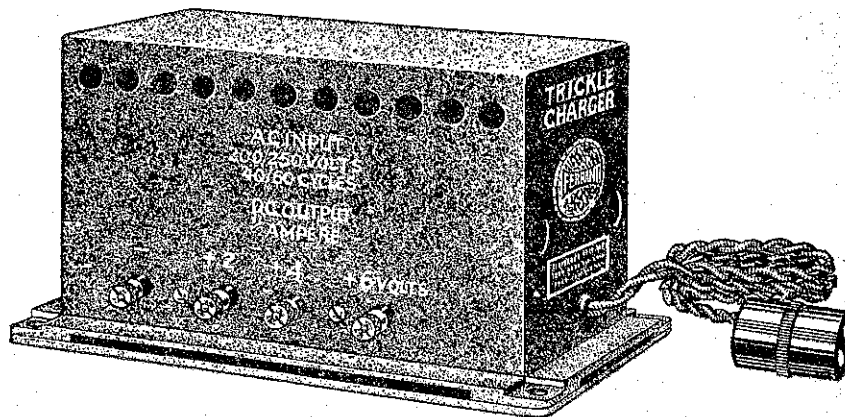
EXTENSIVE experiments in television are now being carried out by the German broadcasting authorities. The wavelength used is 6.75 metres, and at present a screen giving 5000 dots is being employed. Owing to the large radio channel required to transmit a picture giving satisfactory detail, it has been realised that owing to the crowded state of the broadcast band, television can be carried out successfully only by means of very short waves.

AN automatic radio transmitter which is attached to a free balloon and then tracked by radio direction-finding apparatus to trace air currents has been developed by an engineer of the Army Signal Corps of America. This set is believed to be the smallest and lightest radio transmitting outfit ever built. The weight of the combined transmitter, antenna, and battery is only 17½ oz. It is reported to be capable of sending on a wavelength of 130.4 metres for distances up to 25 miles.

AT the "Electrical House of Magic" in Schenectady, New York, is exhibited a receiver which can be switched into action merely by saying "Go ahead, now" (or any other four syllabled exclamation), and can be stopped in a similar manner. Another exhibit is an instrument for registering the power of the human voice, though incidentally we learn that this was put out of action by a Schenectady woman reprimanding her husband while within range of the apparatus.

The FERRANTI L.T. TRICKLE CHARGER

INCORPORATING A WESTINGHOUSE METAL RECTIFIER AND A FERRANTI TRANSFORMER.



Contains no Valves, no Chemicals, no Switches, or Moving Parts.
Requires no Replacements, and will last indefinitely.

N.Z. Agents: **Arthur D. Riley & Co., Ltd.**

AUCKLAND

WELLINGTON

AUNT LIZZIE'S FRIEND

A Comedy in One Act

by
OLIVE McKENZIE

This play secured third place in the Play Competition held by the "Radio Record" and the "N.Z. Dairy Exporter and Farm Home Journal."

Scene: Mrs. Soaring's drawing-room, a large, dismal room, furnished garishly in red plush suite and much gold embellishment. Several photographic enlargements of heavy-featured men and women about; lace curtains, looped back with gold satin ribbons, and an aspidistra on a stand by window. A small couch on corner L., and several stiff-backed chairs. A great many ornaments everywhere.

Discovered—Martha, very untidy of hair and dress, dusting, not very energetically, and singing with great fervour.

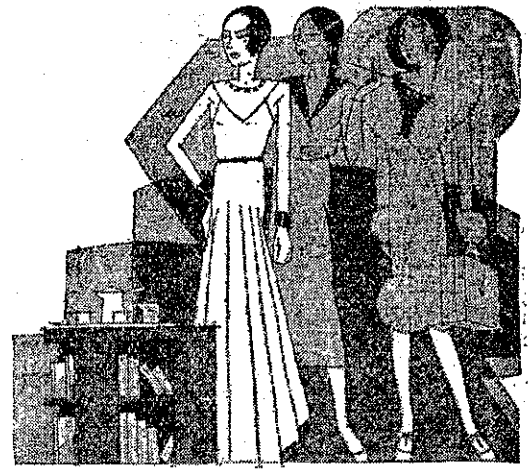
Martha (sings):

"For I'm dancing with tears in my eyes,
For the girl in my ar-r-r—ms isn't yo-
ooo—uu."

Lumme! 'Ow 'e musta loved 'er! (Stands looking soulfully at ceiling. Sighs gustily.) 'Ow fetchin' 'e musta looked! Real romantic like. (Sighs once more.) Lawks! Ain't love grand! Oh, well, I spose I must hurry—seein' as 'ow it's 'er day at 'ome, though wot on earth she wants to 'ave such h'ongoin's I can't think. At 'Ome Days—Lumme! Lot uv h'expense for nothink—that's wot it is! Anyway, who'll be here? Huh! No one but that there "Quite" woman. Says nothink but "Quite—Quite" stand-offish like, and snorts like a paper bag bursting. Huh! Missus thinks 'er real grand, but I dunno—I've never seen anyone so unpretesting. An' that Miss Wimple, the vicar's sister—Lawks! If she wouldn't give anyone the willies, with 'er red nose (indiscretion, that's wot 'er trouble is), an' that way uv lookin' at you as if she were goin' to pick threads off yer dress that I can't abide—an' eats like a horse. Huh! Lot uv h'expense, that's wot it is—expense that they can't rightly afford, either. An' who 'as to meet the tradesmen at the door an' stand their jaw—huh? Me! Lumme! It ain't arf a treat, that ain't! And yet that there Miss Stella! Lawks! (Pushes her nose up in air with one finger and walks around grandly.) If h'ever there was an h'upstart in the world it's that one. Lumme! She's the most infected person I h'ever did see! Give anyone the willies, she would! If that's wot they call bein' a lady—well—I knows a lady when I sees one. Huh! I should smile. Now, if they was all like that Aunt Lizzie who's 'ere just now. My, she's a treat! There's a lady if ever there was one! No airs—just as jolly an' friendly as can be—treats me as if I were a huming being, not a dorg. (Bell rings.) Oh, ring on, do; the missus ain't at 'ome yet.

Enter Mrs. Soaring. (Martha begins to polish table vigorously. Sings—"Dancing with tears in my eyes.")

Mrs. Soaring: Martha, do you not hear that bell? And not dressed yet. Oh, dear, dear. (Bell rings loudly.) Go and answer it, Martha, at once! It may be a caller.



Martha: Not yet, Mum. Probably the man for the instalment on the pianer.

Mrs. Soaring: Martha! (Exit Martha.) That girl is becoming impossible. Oh, dear, Oh, dear—I do hope everything goes off well. So trying about Lizzie being here this very afternoon, just when I have succeeded in getting Mrs. Snobbe-Cranston to call. Really, most trying. (Sighs.) Such a wonderful woman, Mrs. Snobbe-Cranston; knows all the "best" people—so charming. I suppose I was a little foolish to lend her that twenty pounds; it was a lot, certainly, and now I don't know how I'm going to manage. I wouldn't dare tell George—he'd be so cross (men are such queer creatures—as Mrs. Snobbe-Cranston says, they have no souls, poor things), but if I can get her to introduce me to her set, it'll be well worth it—so nice for Stella.

Re-enter Martha: Please Mum, it was the man from the Gas. He says as 'ow 'e'll cut us orf if the bill ain't paid.

Mrs. Soaring: Has he gone?

Martha: Yes, Mum. "Is yer Missus at 'ome?" 'e asks. "Not ter the likes uv you," I told 'im—

Mrs. Soaring: Very well, Martha, that will do. And just look at the dust on this table. Really Martha, you are the slowest maid I ever had. Never punctual with your work—

Martha: Indeed, Mum, an' you're wrong. It don't run in our family to keep anyone waiting. Punctual to the minute, on the tick, is our motto. My sister said "Yes" right straight off the mark when George Smith asked her to be his'n, an' my brother Joe always slept in the bakehouse for fear uv not being in time to make the morning fire, an' there was—

Mrs. Soaring: That will do, Martha. Now, go at once and get yourself tidied. You know that this is my day at home. Now, hurry along and do try to make your hair look a little more respectable.

Martha (bridling): Respectable! H'in-deed! An' do you mean ter incinerate—

Mrs. Soaring: Oh, for goodness sake, Martha, go. And do hurry. My guests will be arriving any minute. Go at once!

Exit Martha, sulkily muttering: Respectable! Respectable! H'in-deed!

Mrs. Soaring (Sits on high-backed chair, Hans face with (Continued on page 2))



Characters

MRS. SOARING—a suburban matron, who is short on cash but long on ambition, and the mother of—

STELLA SOARING—Who is very modern in everything, including manners, but fails to impress—

MARTHA, THE MAID—Who knows a lady when she sees one, as for example—

AUNT LIZZIE, from Tūree Gulch, Tussockdale, who is looked upon by her city relations as a rustic disaster, as is also—

HER FRIEND—Who was interested to meet Mrs. Soaring and her friends, including—

MISS CAROLINE WIMPLE—Who is the Vicar's sister, and looks it, and—

MRS. JEFFERSON-WHITE—Who knits, and is "quite" the lady, and—

MRS. SNOBBE-CRANSTON—Who moves in charmed circles and knows "the very best" people.

Aunt Lizzie's Friend

(Continued from page 1.)

handkerchief): Oh, dear; oh, dear. That girl will be the death of me. Between her and Lizzie. Oh, dear, it might make all the difference to what Mrs. Snobbe-Cranston will think of us—

Enter Stella, her daughter, looking bored, and dressed in the extreme of fashion. Draws: Hello, old dear, why the maternal frown? Martha been more idiotic than usual?

Mrs. Soaring: Well, she's bad enough, goodness knows, but it's your Aunt Lizzie that's worrying me just now.

Stella: Why on earth she wanted to leave her beloved Titree Swamp or Horseshoe Gulch, or whatever she calls it, and dump herself on us just at this very moment I cannot imagine. It wouldn't be so bad at any other time—we could have jazzed her off to the zoo or shoved her on to an observation car, or something, but to-day—

Mrs. Soaring: She does look a sketch. Stella: She's a yell!

Mrs. Soaring: She's sure to wear her brown fugi—

Stella: AND her brown beads, PLUS her black ones, DITTO her blue ones.

Mrs. Soaring: And she'll call me Mag before them all. Oh, what can I do?

Stella: And she'll ask everyone if they are subject to dyspepsia, and then have an orgy of remedies. Have you noticed that Aunt Lizzie always has a remedy for everything?

Mrs. Soaring: Oh, dear! Oh, dear!

Stella: Pretty sickening, all right. We can't let her spoil our afternoon.

She's such an absolute yell! I'll tell you—To begin with, tell her to wear something else.

Mrs. Soaring: She hasn't anything else, except a blue serge, and that, oh, dear, I'm sure Mrs. Noah threw it out of the ark. It's worse, much worse.

Stella: Worse! Ye gods, is it possible?

Mrs. Soaring: Besides, she thinks that brown fugi just beautiful—she told me so.

Stella: Ye gods! How frightfully rural! Well, at any rate, tell her to hang a few yards of her beads around the bedpost for a change,—

Mrs. Soaring: And she'll talk about the cows and the pigs. PIGS, mark you, in my drawing room.

Stella: Dare her to mention pigs or haystacks, or dungarees, or birds' nests.

Mrs. Soaring: And then she'd ask everyone if they were enjoying themselves, and how many grandchildren they have.

Stella: Oh, what a yell! Imagine Mrs. Snobbe-Cranston if she asked her about her grandchildren. After all the trouble she has been to to have her face renovated, too—not a sign of a loose fold or wrinkle—wonderful—just wonderful. Yes, she looks young enough, but those seven grandchildren! Trust Aunt Lizzie to fossick out all her secrets. No tact, that's Aunt Lizzie's trouble. She's the kind of person who would try to cheer up the King of Spain by talking of jewelled crowns.

Mrs. Soaring: Oh, do stop, Stella, do! It's bad enough without imagining worse horrors. Whatever will Mrs. Snobbe-Cranston think of her? Oh, dear, dear! Do you think, Stella, we could ask Aunt Lizzie to be careful?

Stella: Sure! I'll do it. Our Lizzie's rustic homeliness may be all right at Tussockdale, but—(Shrugs.) Why, here she is!

Enter Aunt Lizzie, a large, middle-aged, cheerful person in an old-fashioned brown fugi frock and several strings of beads.

Stella (in an aside): Ye gods; she's got three extra yards of them on to-day, I'll swear.

Lizzie: Hello, Mag! (Mrs. Soaring looks pained.)

Mrs. Soaring: Please, Lizzie—I wish you wouldn't persist in calling me Mag. Margaret is my name.

Lizzie: Margaret! My stars! Well, Mag was good enough for you when you were our general help down at Titree Gulch. Margaret! My stars! You have got some queer notions since you married our George and made him come to live in town!

Mrs. Soaring: Really, Lizzie, you do not seem to realise the difference between town and country life. Things are so very different down in Tussockdale.

Lizzie: Yes, praise be. Anyway, what's on? You're all dressed up. My gracious, how smart we are! (Gazes admiringly at them.)

Mrs. Soaring: Well, as it happens, this is my At Home day.

Lizzie: At Home day? You don't say! My stars, Mag, d'you mean to tell me you go in for these new fangled notions?

Mrs. Soaring: Why, of course, Lizzie. And don't be foolish. There's nothing new fangled about it. Everybody has them.

Lizzie: My stars! Well, we don't down at Titree Gulch. Come along

any old time and you're welcome in our way.

Stella: And let's all go out and admire the pigs afterwards, eh, auntie?

Lizzie: Of course. My pigs are famous all over Tussockdale (Mrs. Soaring snorts.) You see I have a new pedigree boar—

Mrs. Soaring: Please, please, Lizzie, spare us the details.

Lizzie (looking astonished): Why, I thought you'd be interested.

Stella: Hardly in our line, old dear. Smell and all that, you know. (Shudders faintly.) (Auntie looks more astonished than ever.)

Lizzie: Well I never—

Stella: And, oh, Auntie, old dear, as regards this bunge we are having here this afternoon—

Lizzie: Oh, I'm so sorry. I'm afraid I won't be able to stay in to it. I am sorry, I'd love to meet your friends. I'm so interested in people. But, you see, I have an old friend who has just come to live here and I must look her up. I haven't much time here, as you know, so I had thought of going to-day. That is, of course, if you don't mind. I'll stay if you really want me.

Mrs. Soaring: Oh, not at all. Not at all. (Looks relieved.) Don't let me interfere with your plans.

Lizzie: Sure you don't mind? Then I think I'll be off. I won't be late. (Exit.)

Mrs. Soaring: Thank heavens! She's gone. That was a stroke of luck!

Stella: Ye gods! What a release! Lizzie's Tussockdale model is bad enough, but that ghastly chumminess!

Mrs. Soaring: She always was a (Continued on page 30.)

The only Receiver that gives satisfactory Reception of both Long and Short-Wave Stations!



SENIOR CONSOLE
MODEL
AS
ILLUSTRATED **£56**

Years in advance of ordinary radio construction, the "Ultimate" All-Wave Receiver combines a powerful Short-wave Receiver and an ordinary Broadcast Receiver as well. It gives a greater range of programmes, and multiplies the enjoyment and entertainment of radio a hundredfold.

Behind this new "Ultimate" is the accumulated scientific experience of over four years of building high-class Radio Receivers, especially designed to suit New Zealand conditions. It incorporates the very latest technical developments of Radio Science and Engineering. Fully shielded Superheterodyne circuit with 8 valves, including the wonderful new Variable-Mu and Pentode Valves, also Dynamic Speaker, Tone Control, and a Local-Distance Switch which obviates electrical interference.

The "Ultimate" is made in New Zealand by New Zealanders, for New Zealand conditions. Hear it TO-DAY at your local distributor's. If any difficulty in arranging a demonstration, communicate with the Manufacturers: C.P.O. Box 1778, Auckland.

"ULTIMATE"

ALL-WAVE WORLD RECEIVER

Classical Concert from 2YA

On Monday evening, September 21, Signor Lucien Cesaroni and his operatic company will present from 2YA excerpts from Rossini's famous oratorio, "Tribulation," and from his equally famous opera, "The Barber of Seville." In the following interview Signor Cesaroni tells listeners something of Rossini and his compositions.

ROSSINI'S "Tribulation," one of the most successful of this composer's oratorios, is well known, being often performed in many churches on Good Fridays. I last heard it in one of the most famous of European Cathedrals, Notre Dame, on the Good Friday of 1912, when it was presented by a picked orchestra of sixty musicians and by singers, the majority of whom were from the Grand Opera House, Paris. It is characteristic of the music of Rossini's oratorios that while he retains much religious fervour, the influence of the old Italian school of music is evident in the beautiful, easily-remembered melodies running through all his compositions—particularly his operas.

Perhaps the most famous of the solos from "Tribulation" are the following three, which will be presented, among others, from 2YA next Monday night. The first is a tenor solo, "Lord, Vouchsafe Thy Loving Kindness"; the next, "Through the Darkness," is a bass solo, and finally, perhaps the best-known of all, is the famous "Inflammatus" ("When Thou Comest") solo with chorus.

* * * *

Knowing the widespread popularity of Rossini's opera, "The Barber of Seville," many people will be surprised to learn that, when it was first introduced in Rome, it was a complete fiasco. In this, however, it fulfilled an almost fixed tradition with meritorious or afterwards popular works. Aware that his opera was good, Rossini took failure with philosophy. He believed that the opera would ultimately succeed, and the belief was justified.

The following curious incident is typical of the inconstancy of public opinion. The "Barber of Seville" was being produced for the first time in a provincial city and Rossini himself had travelled there incognito to attend the opening night and to watch the reception accorded his recently-completed opera. The first act was accepted in silence, but, at the commencement of the second, the crowd broke into a storm of hissing and jeering, and the opera was completed amidst a tumult of disapproval. Rossini was not greatly perturbed, however, for he knew his work was good.

A few days later, while walking in the street, he was accosted by a local jeweller and watchmaker, who introduced himself as one of the opening night's audience. He congratulated and thanked Rossini for producing such a splendid work, and remarked that he was certain the public in a few years' time would be acclaiming the "Barber of Seville" just as vigorously as they were then disclaiming it. He then produced a beautifully-worked gold watch of his own make, and asked Rossini to accept it as a token of remembrance. Rossini took it and thanked him.

About eight years later the watchmaker's prediction came true. The "Barber of Seville" had become one of the most popular of operas. Once more it was produced in the city which its composer had visited in disguise. This time, however, he came as Rossini, the idol of the public, and was met by cheering crowds who accompanied him in triumph through the streets. He was accosted several days

later by the watchmaker, but failed to recognise him until the watch was mentioned. He produced it, remarking that he had carried it everywhere with him, and that it had been very useful. The watchmaker asked if he had ever opened the back, and upon being informed that he had not, was told to press a little catch. Slightly mystified, Rossini did so, and to his surprise there came forth from some inner mechanism a few tinkling bars from the commencement of the second act of "The Barber of Seville"—just where the audience had, years ago, commenced to show their disapproval. And then, as the jeweller had expected, Rossini remembered the dismal failure of years before which he had completely forgotten in the joy of his sudden rise to fame.

Several excerpts from the "Barber of Seville" will be sung from 2YA on Monday night, and the following brief notes on the story of the opera might help listeners to a more complete appreciation of the performance.

Count Almaviva, who is deeply in love with Rosina, the ward of Dr. Bartolo—a physician both mean and suspicious—is discovered, with a band of hired musicians, serenading Rosina. He sings "Softly, Softly." He is not very successful, it must be admitted, for she pays no attention, though the musicians wake the neighbourhood. The Count then conceals himself to watch a newcomer who is vigorously making known his identity. It is Figaro, the factotum, the jack-of-all-trades, the debonaire Barber of Seville—the same hero who figures again in Mozart's "The Marriage of Figaro."

FIGARO is thoroughly well satisfied with himself and gives a list of his accomplishments in the famous "Largo al Factotum" ("Room for the Factotum"). This brilliant and loquacious song is sung at breakneck speed, and is a severe test of the singer's art. The music is as merry and forceful as the words.

The next excerpt is from the second scene of the first act. Rosina is discovered reading a note from Count Almaviva, and in her elation she sings that well-known aria, "A Little Voice I hear." It is one of the gems of the work.

At its conclusion, Rosina runs out of the room and shortly afterwards her guardian appears, accompanied by Basilio, a music master, and incidentally a matrimonial agent. Dr. Bartolo is telling his companion that he wishes to marry Rosina himself, but that her hand is sought by one Count Almaviva. Basilio, scenting profit, is sympathetic and they agree to produce a story that will disgrace him. "A calumny," cries Basilio. "What is that?" asks the Doctor. In reply the musical matrimonial agent gives his famous description in song in "La Calunnia" ("Slander's Whisper"), full of bombastic humour.

* * *

The broadcast performances of Signor Cesaroni and his company are always of a very high standard, and in a country where stage productions of operas and classical works generally are almost unknown, such entertainments are particularly appreciated.



The SIGNAL a Dramatic Play

to be broadcast

from 3YA, Friday,
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under the direction of
Major Lampen

Scene: The English Channel
on a foggy day in 1917.

Following the play will be
a half-hour's gramophone
lecture-recital by Karl
Atkinson.

"The Sea in Music"

The New Zealand Radio Record

—AND—

Home Journal

(Incorporating the "Canterbury Radio Journal.")

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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.

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

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

WELLINGTON, FRIDAY, SEPTEMBER 18, 1931.

THE POWER LEAKAGE PROBLEM.

A FEW weeks ago we had occasion to refer to the problem presented by power leakages and other forms of electrical disturbances, and quoted as an example a certain city suburb where listening was impossible when trams were anywhere near. Since that time we have received many letters from listeners far and near, reporting power interference of some form or other. Some appear to be worse than the case cited, others equally bad. One particular case may be referred to as more or less typical. In Rotorua there are operated many forms of electrical medical apparatus and these, when going, blot out completely all forms of wireless reception. Even at night this bugbear is present to a disagreeable degree. A petition was sent to the Minister requesting that steps be taken to remedy the trouble, and it was promised that a Radio Inspector should visit the district. This never eventuated, though time far longer than necessary has elapsed since the Minister made his promise. And so there is no relief for the Rotorua listeners.

Another case in Hawke's Bay is reported elsewhere in this issue. A petition signed by wireless-set owners protested against the faulty switches and wiring in the district. In discussing this petition the chairman remarked that a great amount of interference was due to the owners of the wireless sets being unacquainted with wireless, and that faults lay more with the radio owners than with leaky power lines. He stated that it was mainly a question of the class of installation and the knowledge of the radio-set owners, for very few radio enthusiasts knew how to manipulate their wireless sets and were continually cutting the waves. After considerable discussion it was decided that the engineer should meet the petitioners and see what could be done, but generally it was thought that the Board could not go to the expense of remedying the trouble properly.

We cannot conceive anyone "cutting the waves because he did not know how to tune his wireless and so cause interference." Such a state simply cannot exist. Anyone accustomed to listening would certainly be able to differentiate between interference arising from

electrical apparatus and that arising from poorly-manipulated sets. Might we, in passing, draw the chairman's attention to the fact that a "leaky transformer" is almost a nonentity? Transformers are the most innocent of all electrical apparatus.

THE above are not isolated cases; they are almost commonplace, and what is more significant is the fact that little or no improvement is being brought about except where the active co-operation of the owners of interfering apparatus is secured. This is rarely the case, and with the exception of a few public bodies, little real progress is being made in clearing up the interference.

That legislation to meet this unsatisfactory position is long overdue is evident. But there was the Minister's promise recently made to a deputation representing a Wellington body that legislation was forthcoming when the broadcasting situation was looked into. The Bill has come before the House, but not a word is there about interference problems. That, it can come latter is, of course, possible, but listeners were very dissatisfied that it was omitted from the Bill now before the House.

Much has been said and written about the future of New Zealand broadcasting. Deputations and bodies allegedly representing New Zealand listeners have put forth their views for the betterment of the service, yet with the singular exception of the deputation previously referred to, this subject has been forgotten. Nevertheless, we are positive that by far the greater number of listeners wish to see this problem settled for all time before other changes in the administration of New Zealand broadcasting are made.

All the important Old World and American countries have legislation preventing the use of apparatus likely to cause interference to wireless reception, and the penalties fixed by the law are by no means small. New Zealand is a young country, and the number of electrical devices being installed is rapidly increasing. Unless strong legislation is soon introduced to protect the listener, long-distance reception and in some districts local reception will be impossible. It is a case of two opposing forces, and one must overcome the other. Listeners are looking to the Government to intervene on their behalf.

State Control

Listeners' Queries

A QUESTIONNAIRE has been drawn up by the North Taranaki Radio Society as suggested by the Minister of Labour, Hon. S. G. Smith, during a conference held recently at New Plymouth, in which Mr. Smith defended, without details, the Government's policy of the change-over.

The Minister said he would endeavour to secure the answers to the points raised by the Taranaki society, which indicated reluctance to support the vesting of control in foreign or outside parties, and sought protection for B stations serving listeners outside the main centres.

Provided the Bill is not disposed of in the meantime, the society proposed to call a public meeting and place before it replies to the questionnaire and gain an expression of opinion from the general body of listeners. The questions are:

(1) In view of the fact that the Government has decided that a change of control is necessary, would it indicate the reasons that have led to that conclusion, and in what way the policy of providing service to listeners will be changed and improved?

(2) Will the capital necessary to provide the relay lines between the main stations and relay stations be drawn from the board's revenue, or, if provided by the Government, will these lines be a charge against the board?

(3) Does the scope of the board allow for investigation of interference and

provision of equipment for carrying out these investigations?

(4) Is it proposed that the board immediately proceed with extension of the existing service?

(5) Is it proposed that the board enter upon a progressive construction period in providing relay stations, and over what period of time will this construction take place?

(6) Will the capital necessary to carry out the construction and equipment of relay stations be taken out of revenue or advanced by the Government?

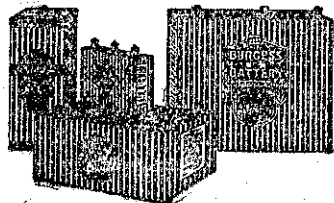
(7) Is it proposed to limit the amount to be placed to the reserves mentioned in section 20 (2) of the Bill?

(8) Is continuity of the broadcasts assured when the board takes over on January 1?

(9) What proportion of each license fee is it proposed to pay to the board, and will the proportion be paid irrespective of the number of licenses issued?

(10) Is it proposed that four A stations shall be the main stations, and B stations purely relay stations; and in the event of the latter desiring to put on their own programmes will they be paid for their services?

(11) Is it proposed that QYB be classed as an A station and subject to payment as to staff and artists for services rendered?



**BURGESS
RADIO
BATTERIES**

Use Our Booking Offices in Advance

S.O.S

TRAVEL IN COMFORT BY
CAR

WELLINGTON - PALMERSTON
NEW PLYMOUTH

Emergency Radio Sets

Installed Throughout
Dominion

IN preparation for an emergency such as the isolation of a district by earthquake or snowstorm, the Post and Telegraph Department has inaugurated a system of shortwave wireless sets which are installed at various parts of the Dominion.

Each of the sets is self-contained, and is operated by power from the mains or from dry batteries. The sets are capable of communicating with any part of the Dominion, and each week they are tested by communication with Wellington.

One of these sets has been installed in each district, either in the district engineer's house or in a convenient wooden building which is not likely to be affected by earthquakes.

Radio Control

Listeners Oppose Change

"If listeners realised the full significance of the Government's proposals Parliament would be inundated with messages of vigorous protest," said Mr. A. R. Donaldson, honorary official listener for Wanganui, when asked by a "Dominion" (Wellington) representative recently for his views concerning the Broadcasting Bill now before Parliament. Mr. Donaldson is secretary to the Wanganui Rotary Club, and came to Wellington as a delegate to the Rotary Conference.

"I am satisfied," he proceeded, "that the great majority of the 60,000 listeners are averse to any change in the system of control; but apparently they have been lulled into a sense of false security by official assurances that the change it is proposed to make is to be definitely non-political. The proposals set out in the Bill prove conclusively that this is not the case. The four members of the board are to be appointed by, and to hold office at the will of, the Minister, and in all material matters they are to be subject to his authority. This clearly means departmental dominance.

The Big Task Ahead.

"THE broadcasting service has been successfully pioneered and developed efficiently up to a certain point.

Technical Training is the Best of all Insurances against Unemployment.

In every branch of business and industry it is the fittest who survive. I.C.S. Students are the first "taken on" and in times of depression are the last "put off." THERE IS A REASON.

Find out what we can do for you.
Write To-day!

The International Correspondence
Schools (N.Z.) Ltd.

1822 WAKEFIELD ST., WELLINGTON

A Link With the Past

Mayor of Akaroa to Speak from 3YA

MR. GEORGE ARMSTRONG, hale and hearty at 78, and still the vigorous Mayor of Akaroa, over which borough he has presided for 28 years, is a link with early New Zealand history. Born in Akaroa, he has been intimately associated with one of the most historic and prettiest spots in the South Island.

Back to the old whaling days goes the name of Armstrong, for it was on a whaler that the father of Mr. Geo. Armstrong first sailed New Zealand waters. He secured his discharge and settled in this colony, dying an octogenarian in Akaroa.

Mr. Armstrong's father, when in command of a ship employed in carrying food to Wanganui for soldiers engaged in the Maori War, took part in an incident which is now almost legendary. Wanganui people point to a very high cliff which in those days would have risen sheer from the river, and they tell how a Scotsman, "Jock" McGregor, when chased by Maoris, jumped from the cliff into the river.

This story is not literally correct, according to Mr. George Armstrong, whose father had his own share of the excitement of the occasion. Captain Armstrong's ship, "The Catherine Johnstone," was lying in the

river nearly opposite the cliff when he saw a man running for his life, pursued by angry Maoris. He ran and leaped down the face of the cliff until he got into a position where the Maoris could not shoot him.

Captain Armstrong called to the sailors: "Are you game to go over and get that man?"

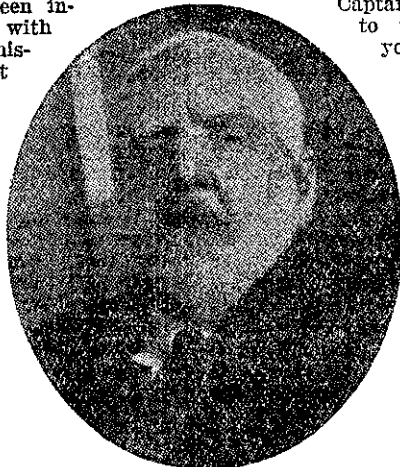
They all said "Yes," and a boat's crew was soon making for the other side of the river. They rescued McGregor and pulled back again to the ship.

Martial law prevailed in Wanganui in those days, and the military authorities took a serious view of Captain Armstrong's action in going across the river against orders. He was arrested and court-mar-

tialled, but was acquitted.

"Jock" McGregor was a well-known character in Wanganui. He had an eye for good land and had no fear of the Maoris, who, on the contrary had a great respect for the Highland claymore with which McGregor ostentatiously exercised and which he would use to clear the streets quickly.

Mr. George Armstrong will speak from 3YA on Wednesday, September 23, his theme being "Akaroa—Yesterday and To-day."



MR. GEORGE ARMSTRONG,
Mayor of Akaroa.

There now remains to be accomplished the big task of completely reticulating the Dominion, so that listeners everywhere shall be assured of good reception.

"My view, which I think will be universally endorsed by all payers of license fees, is that the expeditious completion of this development should be definitely and specifically assured by the allocation to the responsible body of a quota of the license revenue not less than that now authorised. This policy should be continued until the service has reached the maximum stage of development, after which any reduction of the quota which may then be practicable should take the form of a reduction of the license fee.

Allocation of Funds.

"THE members of the North Taranaki society appear to have had this in mind when drafting their questionnaire, (which appears elsewhere in this issue.—Ed.) although they appear to have overlooked, or failed to stress sufficiently the service-starving, revenue-raiding possibilities of section 13 of the Bill. Under this section it is provided that the board 'may enter into agreements with the Minister for the payment to the board of portion of the fees received. It is left entirely to the Minister to decide what that portion shall be. At present it is 25/- out of the 30/-.

"The Bill leaves it open to the Minister to cut this to any extent he may

YOU CAN'T BUY A BETTER VALVE THAN

Mullard
THE MASTER VALVE

Oregon DX-er Hears 2YA

On a Two-Valve Set

A LISTENER on a lonely post in Oregon thus describes the thrill he experienced when he tuned-in 2YA on his two-valve set:

"This morning the dream of a DX fan came true. I cannot yet forget the thrill which came with the reception of 2YA. I am intensely interested in the station which carried over the 7000 miles and brought cheer to a lonely mountain peak on which is located a Forest Service lookout station. My duty is to look for forest fires during these hot summer months here in the eastern and northern corners of the State of Oregon. My greatest recreation is that of 'spearing' the ether for the unusual. Until this morning, Rochester, N.Y., was my greatest DX find, and I considered it exceptionally good for my little two-tube set.

"You certainly have a station to be proud of. 2YA came through the light barrage of static consistently throughout the entire programme. Only when I had to remove my hands from the sensitive receiver to write down the programme did I lose you."

determine, without regard to the wishes and interests of the listeners who provide the money, and devote the amount so 'grabbed' to any purpose he chooses—to swelling the profits of the Post and Telegraph Department, for example. The gentleman now in office will no doubt disclaim any such intention, but as the clause stands the opportunity for him to operate on the listeners' funds is there, and the only disclaimer worth anything to listeners will be a specific provision in the Bill safeguarding them from being so robbed.

Vital Weakness.

"THERE are other serious weaknesses in the Bill, but the vital weakness is that the Minister, and not the board, controls the funds, and that the board, although ostensibly responsible for the service, is vested with almost negligible authority and is empowered to do nothing of any consequence save with the sanction and authority of the Minister. And this, we are told, is not State control."

Cough?
NO!
Pulmonas
PASTILLES are INVALUABLE

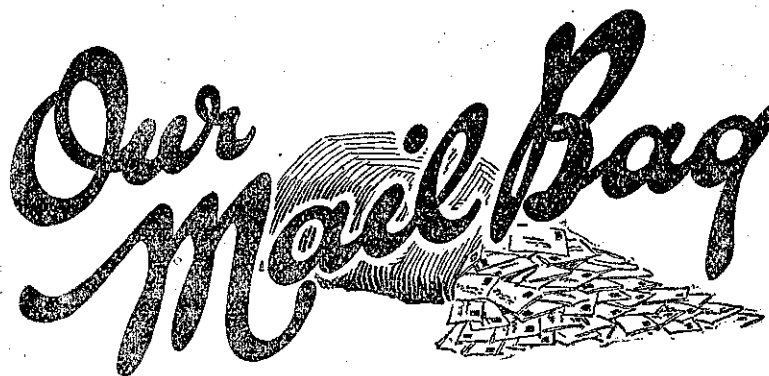
Talks by the B.B.C.

In your specially featured article, "The B.B.C. from a Different Angle," the opinion is expressed that the British corporation gives too many talks. Last winter in England I listened in most days, and evenings for a period of ten weeks; might I therefore give you the benefit of my impressions. I found that the general adjustment between classical music, light music, vaudeville, entertainment talks, and educational talks was designed with a very great sense of proportion and justice. In London, with even a cheap set, and good sets are extraordinarily cheap in England now, one can readily get at least three programmes, National, London Regional, and Midland Regional, and when a talk is being given on one wavelength, there is almost invariably a different form of entertainment on the others. But this is only one opinion. Recently the "Daily Herald," which has a rapidly increasing circulation of considerably over a million, and which contains some of the most intelligent journalism in England, held a plebiscite, with the result that its readers, by a majority of ten to one, approved of the retention of the talks as at present given.

The B.B.C. always has welcomed criticism, and shown itself extremely sensitive to the public demand. Its general cultural attainments have been outstanding; such was the opinion of various people with whom I discussed these matters in England. To say, as your contributor does, that "the B.B.C. has spelt ruin to the English programmes" is calculated seriously to mislead the New Zealand public, and is quite simply not the truth.—P. W. Robertson (Wellington).

Government v. Private Control.

BEING a radio dealer I have come into contact with hundreds of licensed radio listeners since the above controversy commenced. It is a significant



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 nom-de-plume may be used for publication.

fact that not one of my clients nor any other listeners I have spoken to are in favour of the Government being interested financially in broadcasting. Some have expressed their disapproval in no uncertain terms. I am sure if listeners only knew the seriousness of the position they would have much more to say in the matter. It seems incredible that the Government should want to spend £30,000 in purchasing the present company's plants in the main centres when the country is in such a bad way financially. The Government is continually advocating reduced expenditure and increased revenue, yet the next moment they decide to spend £30,000 (that is the Postmaster-General's estimate). I am afraid he will be a long way out when he goes into details. I should say that with the expenditure necessary for linking up "B" class stations, the cost will be more like £50,000 to £60,000.

It seems hard luck on the present company after having pioneered radio

broadcasting (for hard pioneering it has been) to such a successful and high standard to be deprived of its just reward. The Government will find it extremely hard to secure the services of competent men at the remuneration offering. The present company improved its broadcasts as finance permitted, which is only sane business. How, then, can the proposed new board improve matters unless with greater ex-

Faraday Centenary

FOR the rebroadcast of the Faraday centenary celebrations, to be held in Queen's Hall, London, the YA stations will be on the air on Tuesday morning, September 22, at 6.30. Should atmospheric conditions be favourable, and if G5SW can be well received, New Zealand listeners will hear some distinguished speakers, including the Prime Minister, the Right Hon. Ramsay MacDonald, Lord Rutherford, the Duc de Broglie, Senator Marconi, Professor Elihu Thomson, Professor P. Zeeman, and others, paying tributes to the work of Faraday. The commemorative address for the occasion will be given by Sir Wm. Bragg. The B.B.C. Symphony Orchestra, under Sir Henry Wood, will contribute to the musical programme.

penditure. The average person has no idea of the magnitude of providing fresh talent and broadcast matter for four stations. In using the B.B.C. as a model for the proposed new management of broadcasting, surely Mr. Donold does not hope to equal, or get anywhere near, the standard of talent available to the above company. The revenue from licenses in New Zealand is a mere pittance when compared with that of the B.B.C. An article in the "Radio Record" of September 11 by Mr. H. A. Bloxham reveals whether or not the B.B.C. is a model after which to fashion our broadcast service. This gentleman gives us an instance of £1000 being paid for one item, and those who foot the bill have no redress in the matter. One would think that the Government had enough to manage without interfering in the social pleasures of the people. It is impossible to please everyone, but any broad-minded listener must appreciate the difficulties with which the present company were beset and the practical way in which it has overcome innumerable setbacks, financially and otherwise.

In three more months we will have a change over, but in the writer's opinion the proposed board has a hard battle in front of it to improve on our present broadcast service with the capital available.—"Not Too Hopeful" (Hamilton).

Pipe Music.

WHY are there not more pipe band records? I have had my set just 12 months, and during that time I have heard the pipes about five times. When I arrived home to-day I was informed that the best music on the afternoon programme from 1YA was a selection, the march past of the Highland Regiment, and the Tattoo selection. Alas, I was not home to hear it. I think records like these could be played at least once a day, alternately, from the YA stations, preferably during the evening sessions. The bagpipes are historic, and two players of them have been awarded the V.C. King George still maintains his private piper, and royalty always attend the Highland games in Scotland; therefore I think Scotland's national instrument should be heard a little more often. Trusting I have not taken up too much space of your valuable paper.—Piper (Warkworth).

Music and News Sessions.

WHILE I have no complaint with the programmes, I would suggest that two of the YA stations could put on the usual dinner session from 6 to 7 p.m., while the other two could give the news and lecture session at 7 p.m.; the order could be reversed, the first two could give the news and lecture session and the other two a musical programme from 7 to 8 p.m. Personally the news session does not interest me, as I get the daily paper, and most of the news broadcast is already 12 hours old, but I fully appreciate the needs of country listeners as regards news. If my suggestion were adopted I think it would remove the cause of a lot of complaints and dissatisfaction and at the same time enable those who do not desire to listen to the news, etc., to tune in to a musical programme and vice versa. At present for those who do not listen to the news there is nothing to tune in to between 7 and 8 p.m. After all, it is the A class stations that we support, and we should not be forced to turn to B class stations for musical entertainment, particularly between 7 and 8 p.m.—F. Spencer.

"To be Continued."

'TIS not often I rush into print, preferring to derive a certain amount of education and quiet amusement from your weekly "Mail Bag." Also, I must say that your technical articles and construction columns have been very useful to me, and I look forward with pleasure to each issue of the "Radio Record." Now, don't break your arm trying to pat yourself on the back as I've a kick coming. I am heartily in agreement with you concerning advertising over the air, but, Oh, Mr. Editor! Why not be consistent? Look through the last few issues of the "Radio Record" and there you will find advertisements jumping at you from all quarters. Personally I object to having good reading mixed up with advertisements. You start off an excellent article which fills up half a page; the rest of the page is filled with one or two advertisements, and you tell your readers to turn to page 29 or 30 to finish the article. (Continued on page 29.)

New Zealand Listeners!

Do you listen to the
Australian Stations?

If so, you will be interested in the arrangements now being made to provide you with accurate advance programmes of 2FC, 2BL, 3LO and 3AR.

IN each issue of the "Wireless Weekly" as from September 4 (which is available in New Zealand on Thursday, September 10), there will be a special section containing the complete evening programmes for these stations from Friday, September 11, to Thursday, September 17, inclusive; and so on. You will thus be able to secure a full week's accurate advance programmes of the Australian stations from which to choose your items.

By buying "Wireless Weekly" thenceforth you will avoid missing the best features of Australian broadcasting, the symphony concerts, the operatic programmes, the talks of famous visitors and others.

REMEMBER—

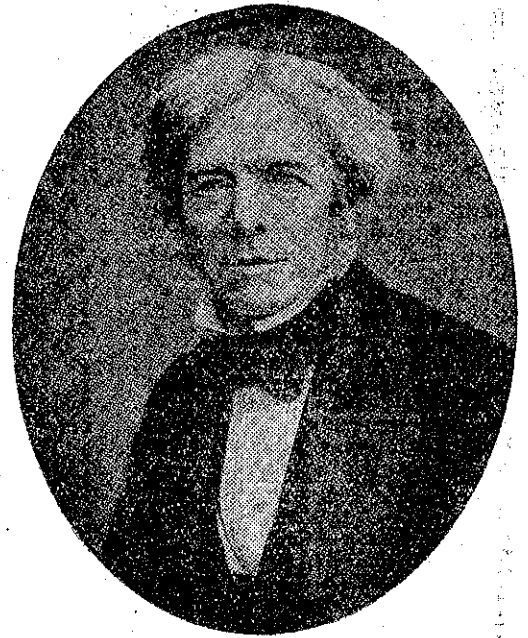
On and From September 4.

"WIRELESS WEEKLY"

Makes available to you the programmes of the main Australian Stations.

Wellington Celebrations of Faraday Centenary

Scientists, electricians, engineers, and thinkers generally, in all parts of the world, are this month paying tribute to the memory of Michael Faraday, who, a hundred years ago, discovered and proved by demonstration to sceptical contemporaries the principle of electro-magnetic induction. From this beginning was evolved the present electrical age, and because of this the world owes to Michael Faraday a debt which can be paid only by the honouring of his name and an appreciation of the man himself and of his high character and ideals.



Michael Faraday.

RECENTLY electrical engineers from all parts of New Zealand gathered at a formal dinner in Wellington to celebrate the Faraday centenary, but it was felt that something more should be done, and, as a result of the co-operation of the Wellington Branch of the New Zealand Society of Civil Engineers, the Institute of Electrical Engineers, and the authorities of Victoria College, a public demonstration of electrical developments to mark further the centenary of the discoveries of Michael Faraday was held at Victoria College on the evening of September 11. In every way the evening was a great success.

The chair was taken by Mr. M. Cable, general manager of the

Municipal Electricity and Tramway Department, and he in a few words

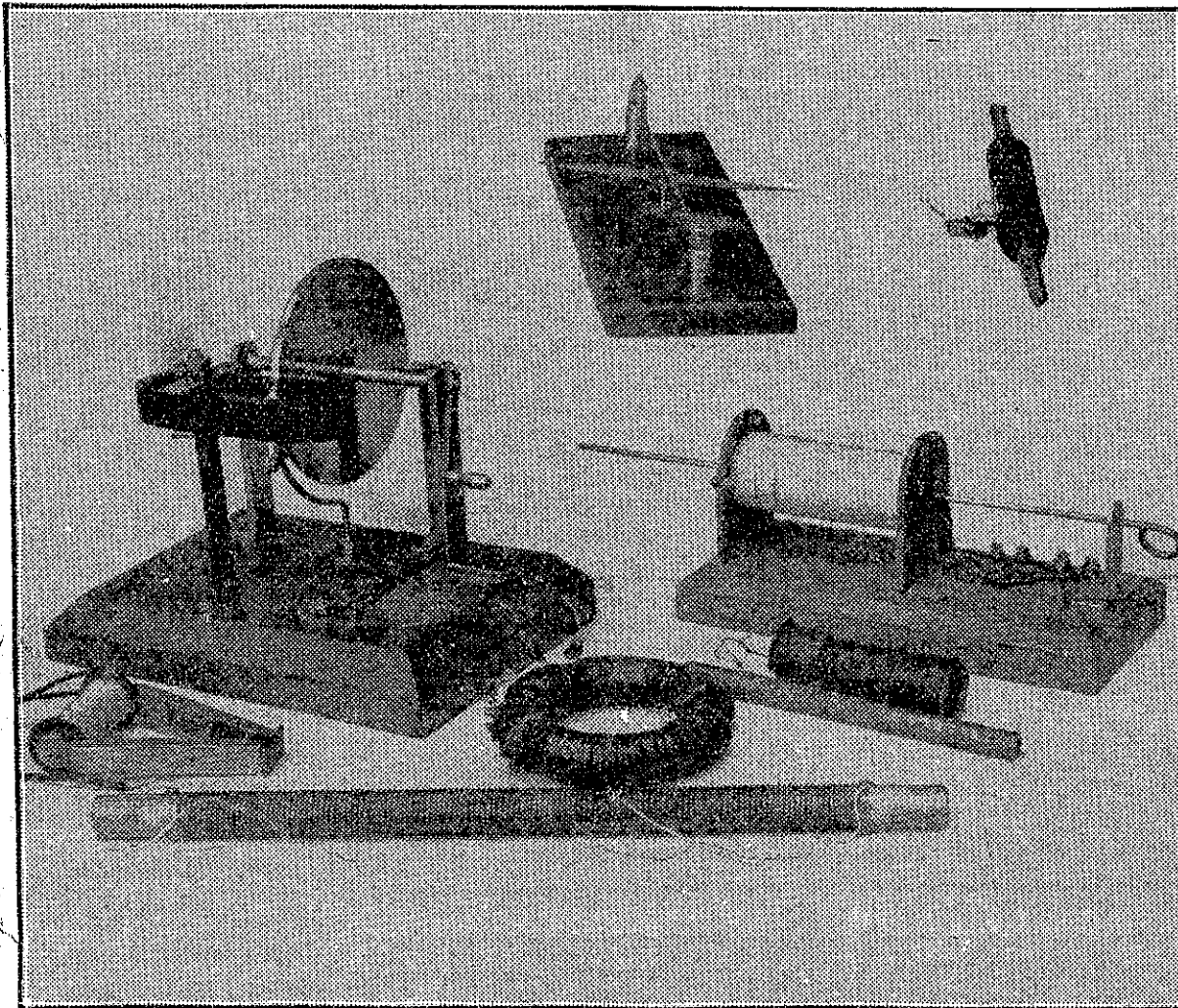
spoke of Faraday's achievements and of his high personal character and lovable nature. "The world," said Mr. Cable, "knows of Edison and of his works, but does the average man know anything of Faraday, or even who he was?"

"With a view to removing this charge of ignorance concerning Faraday," he continued, "it behoves electrical engineers throughout the Empire to give greater recognition in the future to Faraday's work, and to take steps to let the public know that all modern electrical facilities and amenities are due to the momentous discovery of 1831."

Then followed a surprise—a trans-Tasman radio telephone conversation between Mr. A. Gibbs, Chief Telegraph Engineer, and Mr. A. Wilson, one of the leading engineers of the Sydney Post Office. Both sides of the conversation passed through a powerful amplifier and loudspeaker, and every word was surprisingly clear. When invited to address the audience, Mr. Wilson spoke briefly of the Faraday centenary.

AT the conclusion, Mr. Gibbs conveyed to him the thanks of the meeting and remarked that he thought it was the first time a New Zealand scientific meeting had been addressed by one of the Commonwealth engineers or, for that matter, by anyone else across the Tasman Sea.

The first address, given by Mr. W. H. Gregory, engineer-in-charge of the hydro-electric station at Waikaremoana, traced the growth of electrical knowledge from 600 B.C., when the first knowledge of static electricity obtained from rubbing amber was gained, down through the centuries to when the ancients learned of the properties of the lode-stone, the natural magnet; the early eighteenth century when it was (Concluded on page 8.)



A photograph of facsimiles typical of the crude apparatus with which Faraday worked in making his great discovery of the principle of electro-magnetic induction just one hundred years ago.

Faraday Centenary

(Continued from page 7.)

found that static electricity could be transmitted from one body to another by induction; Benjamin Franklin's famous kite experiment with lightning; the first known current of electricity in the Voltaic pile and Galvani's experiments; Humphry Davy's first tiny arc light from a battery of cells; Oersted's outstanding discovery that there was some relation between magnetism and electricity; and in the early nineteenth century of Faraday's line in his notebook: "Convert magnetism into electricity. A splendid problem, but how to do it?"

Referring briefly to the work of other experimenters, Mr. Gregory passed on to Faraday's first unsuccessful experiment with coils of wire, then to his first iron core transformer, and the manner in which the first almost insignificant kick of the measuring instrument, the galvanometer, proved that a current passing through one coil of wire could induce a current in a second coil not connected with the first.

From that point Faraday's progress was amazingly fast. Day by day he applied the basic fact in new experiments until, on the ninth day, he was able to construct a new electrical machine. Borrowing the most powerful magnet he could procure, he introduced a disc of copper which was so mounted that it could be revolved between the poles of the magnet. He pressed springy collectors to the shaft and the edge of the disc, and these he connected to a galvanometer. On revolving the disc he produced a steady deflection of the galvanometer needle.

"Here was the world's first magnetic electric generator, the forerunner of present-day electricity, and though only 100 years have passed since this discovery, and we live in an electrical age," said Mr. Gregory, "the science is only in its infancy, and no man can foretell what the future holds, for even in our lives we have seen the wonders of wireless, and now television, and the transmission of thousands of horse-power in electrical energy to inconceivable distances, all due to the discovery of Michael Faraday, to whose memory this lecture and meeting are dedicated."

As each step was referred to Mr. Gregory demonstrated Faraday's experiments upon apparatus made as nearly as possible like the original apparatus. On page 7 is a photograph of some of the facsimile apparatus.

SPECIAL VALUES

0-50 Pocket Voltmeters, 7/6. Now 5/17 1/2 A.C. Tubes, for Electrics, 18/-.
Now 10/6
Tone Controls, for Push-Pull Sets, 19/6
Speaker Extension Cords. 20ft., 2/-
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Hydrometers—small, 2/3; large, 3/6
"C" Batteries, 4½-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.,

552 Colombo St., Christchurch.



The next speaker, Professor Florence, of the Physics Department, Victoria University, gave further demonstrations of the work of the early experimenters—of some preceding Faraday and of others who applied the principle of electro-magnetic induction in various ways. He mentioned a few of Faraday's researches, such as the principle of the electric motor and the dynamo, electro-static induction investigation, the laws of electrolysis, electro-optical work, the liquefaction of gases and the magnetic properties of material. Faraday had had a profound insight into the obscure mysteries of the universe and had been convinced of the relationship between electricity and matter, electricity and magnetism, electro-magnetism and light, and electro-magnetism and gravitation. He held a conspicuous place among the benefactors of mankind.

Faraday did not believe the "action at a distance" explanation of magnetism, so popular among his contemporaries, and was convinced that some force existed in the medium separating the two bodies. This led to the development of the idea of lines of force and on this was based his explanation of electro-magnetic induction.

Mr. A. Gibbs, Chief Electrical Engineer, then traced the development of Faraday's principle to its outstanding present-day application in heavy power machinery, lighting, electro-chemistry and electro-metallurgy, telegraphy, telephony, radio-telephony and the beginning of television.

"So well and truly did Faraday lay the foundations of electrical engineering," continued Mr. Gibbs, "that to-day hundreds of millions of capital are

invested, and hundreds and thousands of persons are working in various sections of the industry. Moreover, it would be difficult to estimate how vitally the human race depends for its comforts and its amenities upon the many branches of electrical engineering. It is surely very fitting that electrical engineers and the public generally should show their appreciation of Faraday's pioneer work, and in honouring Faraday we have the added satisfaction of knowing that we are honouring one who possessed more than genius, for he was a man of simple and upright mind and of high ideals which call forth our admiration to-day as they did that of his contemporaries."

At the conclusion of the addresses a vote of thanks to the speakers was moved by Mr. D. K. Blair, president of the New Zealand Society of Civil Engineers, and was enthusiastically carried.

A Comprehensive Display.

SUBSEQUENTLY the audience visited the physics laboratories on lower floors, where a first-rate show of electrical apparatus and experiments had been arranged.

In the lower laboratory a very spectacular display had been arranged. In one corner was a Wimshurst machine, producing a constant stream of weaving, crackling, blue sparks between the discharge knobs. In another was a huge induction coil, labelled 200,000 volts, which sent a similar blinding discharge across a 16-inch spark gap. Occasionally a heavy gauge wire was loaded to breakdown point and disappeared in a roaring, banging flash.

On a nearby bench a demonstration of the Faraday dark space—in evidence during the discharge of electricity through gas at low pressure—attracted large crowds.

Upstairs the detail work was displayed. More reproductions of early apparatus were displayed, and, arranged along the benches in general order of development, their present-day types and developments. A very early (and unsatisfactory) telephone was contrasted with the latest automatic style, while a section of an automatic telephone exchange in working order aroused much interest. Another popular feature of the display was a Post Office telegraphic sender. Messages are typed as on an ordinary typewriter keyboard, automatically converted into a code and dispatched, the message emerging already typed from the receiver at the other end—perhaps hundreds of miles away.

Radio and its applications were shown in various ways. In one display were exhibited some thirty or forty different types of valves, ranging from the oldest two-element valve to the latest in pentodes and screen-grids. On another bench was exhibited specimens of quartz crystals of the type used in broadcasting for preserving frequency stability. One of these was vibrating at one million times per second.

A selenium cell, used for the automatic control of street lights; a singing flame, in which Faraday was interested; a neon display sign; a portable X-ray outfit, and many other interesting exhibits were to be seen by interested visitors.

Novel Competition

Does Voice Indicate Character?

A POPULAR radio competition at present being conducted by Ravag, Vienna's principal broadcasting station, consists in guessing the sex—which should seldom be difficult—age, height, occupation, grade of education, and general appearance of a speaker—dark or fair, stout or thin, clean-shaven or otherwise—and intellectual capacity, after hearing a few, or in some cases many, words spoken before the microphone. In most cases those taking part are to be persons quite unaccustomed to public speaking, and they may read from a book or from some prepared and approved script. The idea is admittedly taken from experiments recently conducted by a Manchester professor, in which the answers of 4000 persons concerning the utterances of nine men and women are said to have proved that the voice alone does indicate certain leading external characteristics of the individual as well as his or her character.

A. J. PARK & SON

Patent Attorneys

Routh's Buildings,
Featherston Street,

WELLINGTON

"The Valve With the

TRAIL BLAZER OF

Specially selected by
Manufacturers because

OBTAINABLE AT ALL GOOD RADIO DEALERS.



Life-like Tone."

THE INDUSTRY

America's Leading Set
of their reliability.

The Lyric Minnesingers

Broadcast from 4YA

MR. JOHN T. LEECH'S well-known

Lyric Choir was founded in 1924.

It is composed entirely of vocal students and has been formed for the purpose of cultivating a desire for choral music. From its ranks are drawn many 4YA artists and the well-known Minnesingers are also part of the main body. The Lyric Choir has a great record in contests, being successful on six occasions in mixed, male and female choir contests in Dunedin. Since its inception the choir has taken as studies all branches of choral art— oratorio, opera, madrigals, part-songs, glees, etc., from Palestrina to modern compositions. The conductor of the Lyric Choir and Orchestra is its founder, Mr. John T. Leech, who is also conductor of the well-known Soldiers' Choir.

The Lyric Minnesingers will broadcast "The Bohemian Girl" from 4YA on Wednesday, September 23. A concert orchestra will support the production. The choir strength is over 100 voices.

The music of "The Bohemian Girl" has enjoyed unbroken popularity for nearly 100 years, throughout the entire English-speaking world. The exquisite tunefulness of the old Irish melodies seems to have found an outlet in the melodic compositions of Balfe. It is the natural sentiment, flowing melodies and dramatic situations that have made "The Bohemian Girl" linger lovingly and fully accounts for its great popularity.

Stations for Sale

Exaggerated Values

ONE can still make a fortune in America by selling a broadcasting station. The supply of available stations is so far behind the demand that churches and schools are disposing of their broadcast transmitters at fabulous prices.

Among other examples, a 100-watt station in New York is now on the market for the modest sum of \$17,000. This station's equipment originally cost \$180; to-day it is a third-rate station with an obvious illusion about the size of its audience and the value of the one-fourth time it is licensed to remain on the air. Another in the same vicinity, a 500-watt, is now being "offered" for \$32,000. A year ago its owners were tearfully begging for \$10,000.

The management of still another New York station, a 1000-watt, is known to have placed a "conservative value" of \$50,000 on it. Station WOR, Newark, with 5000 watts, is understood to have refused \$600,000 for plant and goodwill, presumably offered by a well-known newspaper magnate.

N.Z. League of Penwomen

Concert from 1YA

THE New Zealand

League of Penwomen, which is scheduled to provide a programme for 1YA on Wednesday, September 23, was established seven years ago with the object of promoting and encouraging original creative work among its members. The membership includes writers, artists, musicians and women engaged in intellectual professions.

Mrs. Victor Macky (Edna Graham Macky) president and founder of the League, is a well-known writer, contributing to many publications, both in New Zealand and abroad. Mrs. Macky is the authoress of a delightful book of poems entitled "Adventure." Readings from her works have been given in many of the literary circles of London, America and Australia. Mrs. Macky has also been actively engaged in organising and publicity work for various societies and movements in Auckland.

The membership of the League includes the novelist, Mrs. Mary Stuart Boyd, first president of the League; Mrs. Carr Rollett (Hilda Keane), writer and journalist; Miss Jean Boswell, short story writer; Mrs. Gordon Robertson, writer, musician and lecturer; Mrs. Carr Tibbitts, writer and journalist; Miss Hutton Whitelaw, and many others of marked literary ability. The various activities include the literature study section, convened by Mrs. John Barr (wife of the city librarian), a book reviewer and lecturer on literary topics, and the dramatic section, convened by Mrs. Cufford Bell, elocutionist and teacher of dramatic art, who is much in request as judge of elocution at competitions.

The journalist section is convened by Mrs. Victor Macky, assisted by a board of editors of some of the leading publications of the city. The art section is under the convenorship of Miss Edith Melville, who is well known for her beautifully executed metal craft work. There are two divisions in this section, viz.: artists and the exponents of various crafts.

The music section, convened by Miss Gertrude Bertram, Mus.Bac. (the

League's representative on the 1YA Musical and Dramatic Advisory Committee) includes in its membership many brilliant professional musicians, some of whom will broadcast on this programme. Mrs.

Robt. Neil (Mary Brett) is a composer whose music may be described as a lyric gift, a genuine spontaneous outcome of delicacy of feeling and personal vitality. Her songs have been included in the Suffolk (England) competitions and many of her compositions are already familiar over the air.

Mrs. Herbert Bloy, a pianist of outstanding ability, is well known throughout New Zealand as a solo pianist and teacher.

Mrs. Greenfield (Isobel Langlands) the brilliant Melbourne violinist, is noted for her definite individuality and interpretation, characterised by a wonderful technique and tone. Isobel Langlands has toured with Stella Power, Althouse, Middleton, Sverjensky and other celebrated artists, and has reached the pinnacle of fame in the musical world of Australia and New Zealand.

Miss Amy Hansard, L.R.A.M., vocalist, has attained a definite position in music. Her singing is most artistic and she is the composer of some delightful songs. Miss Renee Satchwell, L.R.A.M., is well known as a teacher, lecturer, pianist and composer of songs and pianoforte music.

Miss Amy Stevenson is too well known to need an introduction to music-lovers, being a prominent member of two orchestral and chamber music societies in Auckland, and a skilled performer on the piano, violin and viola. Miss Ida Walker, the possessor of a rich contralto voice, studied under her relative, the late Dame Nellie Melba, and is deservedly popular with both Australian and New Zealand audiences.

Miss Molly Atkinson is already well known to 1YA and Auckland audiences. Her singing is distinguished for its thoughtful expression and gifted artistry. The programme to be presented contains a large percentage of original compositions, and presented by such gifted performers as the League contains, a very enjoyable evening should be spent.



MRS. VICTOR MACKY
President and Founder of the
League.



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News and Views of the D.X. Club

Answers to Correspondents

DX1HB (Waipukurau): Yes, the cutting you mention has been received and is incorporated in an article appearing this week.

DX260C (Dunedin): DX. envelope seals will be available shortly. All suggestions for a DX Club motto are being filed and an announcement will be made later.

DX9T (Inglewood): Yes, it is possible for the owner of a battery-operated set to win both cups. Incidentally, the "Ellis Battery Cup" is not a challenge cup, but is to be won outright. Entries for this close on December 31 next.

"Foxy" (W. Coast): Are you sure it is not just your particular district which is unfavourable for reception? Yours is the first complaint we have received in this matter.

DX69W (Wellington): Your log compares very favourably with others we have seen and which have been compiled using a four-valve B.D.

J.C.C. (Cheh.): Your set and aerial are both quite good for DX-ing.

DX48A (Pokeno): Addresses of American stations as given in the "Radio Log" are quite sufficient, as is that you give of WABC. You mention that something should be done to eliminate interference between Australian and N.Z. "B" stations. Several weeks ago a full-page article on heterodyne interference appeared in the "Radio Record." Reports from listeners were asked for.

DX18HB (Gisborne) wishes to thank Mr. S. Ellis, of Okato, for list of stations sent. KMOX's "Ekko" stamp is certainly a fine one. If you are in difficulties with your "Outspan" why not write to the technical editor? He will be only too willing to help you.

metres). 2GB is on 950 k.c. (316 metres). Items: "June Time is Love Time," "I Want to Sing About You." Strength R3.—DX360C (Timaru).

At 10.30 p.m. on September 1 on dial reading 80. Call sounded like "WLW." Item heard "Thirteen Months Ago."

Station on approx. 200 metres (1500 k.c.), heard on Sunday, September 6, at 4.40 p.m., with "Wedding of the Painted Doll" and other items. No announcements were made, but reception was well-nigh perfect and would appear to be very close to here (Christchurch).—J.C.S. (Beckenham).

What station has been heterodyning 4YA, Dunedin, several nights recently?—DX1HB (Waipukurau).

Station heard just above 2YB, New Plymouth, on 250 m. (1200 k.c.), on September 2. Items heard: 8.45 p.m., "One Saturday Night"; 8.58 p.m., "Sleepy Valley," pianoforte solo; 9.11 p.m., "Kiss Me," waltz; 9.51 p.m., "Give Yourself a Pat on the Back." At 11.7 p.m. he was still broadcasting dance music. Also station on approximately 256 m. (1170 k.c.), heard on the morning of September 1, and every morning since, broadcasting records from 7 a.m. onward.—P.K.B. (Oamaru).

Station on approximately 630 k.c. (476 m.), dial reading 21 (KFI, 24; 3AR, 19). Speech is American, and the word "Chevrolet" is often mentioned.—"Hopeful" (Christchurch).

Station heard from 1.30 to 2.30 a.m. on September 5 on dial 78 (2YA, 71), broadcasting races. He mentioned some of the runners—"Ark Royal," "Little Flower," "Bravo." He gave starting prices and also dividends in shillings. Another station on dial reading 99 (KFI, 92), heard broadcasting boxing matches. I heard two bouts. In the first, one of the fighters was named Webb, and in the other one was named Connell. The fight went twelve rounds. The announcer, who was American, mentioned one of the fighters as the flyweight champion of the Orient. He closed down at 3.15 a.m., after remarking that the broadcast was for Australian and New Zealand listeners.—"Big Ben" (Auckland).

Station heard several times on 2ME's frequency giving call resembling "3T" or "CLT."—DX260C (Dunedin).

Stations Identified

C.G. (Gisborne): 3ZR, Greymouth, on 366 m. (820 k.c.). DX9A: American on JOHK's frequency is either WBBM, Chicago, 770 k.c. (398 m.), or KFAB, Lincoln, Nebraska, 770 k.c. (389 m.). W.T.C. (Heathcote Valley): KVOO, Tulsa, Oklahoma, 263 m. (1140 k.c.). "Audio" (Blenheim): KLX, Oakland, 880 k.c. (341 m.).—P.K.B. (Oamaru).

Are YOU a Member of the DX Club?

If not, post your application to the DX Editor, Box 1032, Wellington, enclosing 2/6 to cover cost of badge and certificate (post free). Subscription to the "Radio Log"—the DXer's own magazine—is 6/6 per annum, post free. Book your order now and receive the latest in DX news.

Addresses and Addresses Wanted

"Bob" (Wellington): There is a station KFBI, which is the new call of station KFKB, Milford, Kansas.—DX1HB (Waipukurau).

"Hopeful" (Christchurch): WABC, Atlantic Broadcasting Corporation, New York City.

Identification Wanted

American heard at 6.7 p.m. on September 3 on approximately 940 k.c. (319

[Dial reading 80 might mean anything, depending upon the tuning coil, the tuning condenser and whether the dial was graduated 0 to 100 or 0 to 180. Such queries are hopeless unless readings of nearby stations are given as well.—Ed.] Also station on about 511 m. (586 k.c.) heard at 1.30 a.m. on August 23. Music sounded Chinese.—DX69W (Wellington).

Where is DHA situated? He appears to be a commercial Morse news station and operates on about 29 or 30 metres.—"Electron" (Wellington).

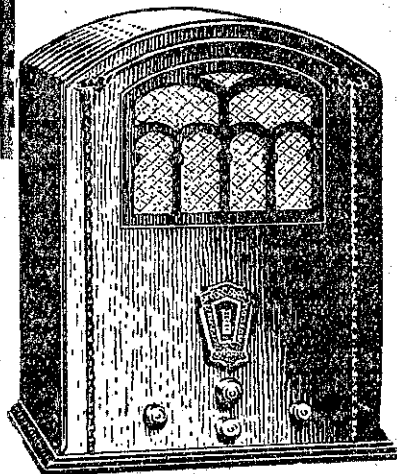
Station heard from 11.30 p.m. until midnight on September 6 on 78½ (3LO, 69; 4QG, 79). Church sermon or service was in progress.—J.B.H. (Christchurch).

The following are early-morning stations heard between 5.15 and 6.30 a.m. on September 6: (1) Station on 1085 k.c. approximately (276 metres), on KMOX's frequency. German speech from 5.15 to 5.45 a.m., and orchestral selections until 6.30 a.m. (2) Loud speech and children singing from 5.15 to 5.45 a.m. on 1245 k.c. approximately (241 m.), about the same frequency as 2NC. Speech sounded Italian. (3) Station giving orchestral items on 985 k.c. (304 m.), approximately 3YA's frequency, at 6.10 to 6.30 a.m. Speech sounded French. (4) Speech and faint music on 835 k.c. (359 m.) on KOA's frequency. (5) Faint music and speech on 1075 k.c. (279 m.). One channel above the first station. The first two stations were R8, the third and fourth R6, and the fifth R4.—DX30C (Dunedin).

American station on approx. 560 k.c. (535 m.), which broadcasts recorded numbers as request items and closes down at 7.30 p.m.—"Hydro" (Hawke's Bay).

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G.A. (Thornbury): Station below 2WL is VG3GK, Melbourne. I heard him testing at 3 a.m. on the 6th.—"Electron" (Wellington).

"Audio" (Blenheim): 3ZR, Greymouth, heterodynes 2ZP, Wairoa.—DX260C (Dunedin).

P.K.B. (Oamaru): Station on 960 k.c. (309 m.) is 5DN, Adelaide. "Marama" (Colac Bay): KEX, Portland, Oregon, on 1180 k.c. (254 m.). DX670C (Dunedin): American on 970 k.c. (309 m.) is KJR, Seattle. I don't know how it could be in California, as there are no stations in that state on that frequency.—N. Jenkins (Masterton).

DX Topics

Recent Loggings.

RECENT loggings include WBBM, Chicago, 770 k.c. (389 m.); WBOQ, New York (testing), 860 k.c. (349 m.); and KJR, Seattle, on 970 k.c. (309 m.).—P.K.B. (Oamaru).

Amateurs Testing.

HAS anyone heard VK3KR, Melbourne, working VK3CE on about 250 m. (1200 k.c.) lately?—"Electron" (Wellington).

3ZE's Schedule Increased.

THE following is a further addition to 3ZE, Greymouth's, schedule: Saturday, from 9.15 p.m. to 11 p.m., dance music from Schaefer's Hall.—L. M. Schaefer (Greymouth).

A Mystery Solved.

I THINK the following will clear up the mystery concerning the station DXers received some little time ago, giving a call sounding like KXAR or WXAR. Following is a copy of verification received from Westinghouse Radio Station:—

"We are acknowledging your letter of June 21 and wish to confirm your reception of our experimental transmitter W8XAR, Pittsburgh, Pa. The special license for W8XAR is used in connection with certain experiments this company is making in developing high-powered transmitters. It is very gratifying to us to know that our transmissions can be received in your section of the country and we wish to thank you for the trouble you have gone to in writing us. We should be very glad to hear from you should you again be successful in tuning in our programme.—D. A. Mayer, Plant Manager, KDKA." No frequency or power was given. Would KDKA received on the same wave count as a separate station?—W. L. Peters (Pahiatua).

[Possibly, though we would have to examine both verifications first.—Ed.]

Particulars of 3KR and 3BY.

I HAVE recently received a verification card from VK3KR, and the following particulars may be of interest to other DXers:—Wavelength, 253 m. (1180 k.c. approx.); power, 7½ watts; transmitter, crystal controlled. Address, Kenneth R. Rankin, Boundary Street, Kerang. I also received a card from 3BY, Melbourne, by same mail, about two months after writing for verification. (So, DXers, be patient!) Particulars are:—249.9 m. (1200 k.c.); power, (input to final amplifier), 50 watts; crystal controlled, 100 per cent. modulation. Address, H. J. and O. Holst, 27 Bambra Road, Caulfield, S.E.7, Victoria.—"Hydro" (Napier).

Recent Verifications.

STATIC has been bad here lately, making DXing difficult. One station on 920 k.c. (326 m.) has been coming in well, but I have been unable to get his call. He can be heard up to 7.30 p.m. when 4RK blots him out. Among others, verifications have lately been received from KYW and WLS, Chicago; KFVD, Culver City, and WHAS, Louisville, Ken-

tucky (verified twice by the same mail). WLS, KFVD, and WHAS all sent Ekko stamps. WHAS said that the station had a series of five Ekko stamps—one for each successive report. DX100C (Timaru) is complaining about the bad reception in Timaru. If he has verified 77 Americans since Christmas he has nothing to complain about. Cheer up, O.M., there must be worse localities. On September 8 KGU, Honolulu, 319 m. (940 k.c.), came in here at R7—the loudest I have heard him. "Kohi" (Auckland): 3ZR, Greymouth, took five weeks to veri-

American Reception Table

The following is a table showing the relative strengths (R1-10) of reception of the main American stations as heard here recently:—

KFI, Los Angeles	9
KGO, Oakland	8
WFAA, Dallas	7½
KHJ, Los Angeles	7
KGER, Long Beach	6½
KTM, Santa Monica	6½
WENR, Chicago	6
KFO, San Francisco	5
WLW, Cincinnati	5
WBBM, Chicago	4½

fy my report. I have heard 2ME, Sydney, several times lately, and his call is now VKO.—N. Jenkins (Masterton).

The S.S. Malolo Logged.

A FEW weeks ago I heard WIOXAI on 81.4 metres transmitting from the steamship Malolo. I wrote for verification and received the following letter from Mr. H. N. Thomas, general passenger agent for the Matson Navigation Company:—

"We are pleased to know that you were able to pick up the broadcast from the s.s. Malolo, July 16, and, while I am unable to give you any of the technical information for which you have asked in your card, I will give you a general outline of the series of broadcasts which took place aboard the s.s. Malolo while en route to and from Honolulu and while in the Hawaiian Islands.

"The participating members are known as the 'Shell Happytimers,' and perform each day excepting Sunday under the leadership of Captain Hugh Barrett Dobbs from the local station, KPO. It had been their desire for quite some time to experiment with direct broadcasting from a ship at sea, and, through the co-operation of the Shell Oil Company, Matson Navigation Company, and the Radio Corporation of America, this was made possible by securing a temporary permit from the Federal Radio Commission. Call signals WIOXAI were the ones assigned to this station.

"Regular scheduled time of this programme is from 8 a.m.—9 a.m. P.C.T., so while the ship was proceeding to Honolulu it was necessary for the artists to begin their programme at times ranging from 7 a.m. to as early as 5.30 a.m., depending upon the location of the vessel."

The early-morning European stations are coming in here very well now. The best time is 4.30 a.m.—6 a.m., Bratislava, 279 metres (1072 k.c.) being easily the best. This is the only European station from which a call has been heard.

Copenhagen, Denmark, 281 metres (1065 k.c.) should be easily identified as it sounds three strokes on a gong at every interval. Hamburg, Germany, 372 metres (805 k.c.), sends HA in Morse. Konigsberg (Germany), 276 metres (1085 k.c.), announces "Achtung (attention), Konigsberg und Danzig." Stuttgart, Germany,

360 metres (832 k.c.), uses the three musical notes C, D and G as interval signal (played on oscillating valves).—H. F. Adcock (Masterton).

Careless Identification of Stations.

P. K.B. (Oamaru): Schedule of 4MK, 1190 k.c. (252 metres): Daily, and musical session nightly, 8 to 10 p.m.; announcements, 10 to 10.10 p.m., when it closes down (11.40 N.Z. time). Thursday is silent day. 3SH, 1080 k.c. (277.8 metres). Schedule not to hand yet. "Hydro" (Napier): Thanks for compliment, but that is a big task, and would not serve any purpose unless the schedule accompanied, and that would take up too much space. The best plan would be—if the editor is agreeable—to publish a division at a time. The Wireless Institute of Australia allots schedules to portions of the different divisions for certain periods. For instance, the accompanying table shows the Victorian division at present in operation. This, however, will change shortly and another batch take its place. I am seeking more information at present, and will be pleased to see it published if possible.

Some of these stations are very difficult to log. At 2.20 a.m. on the 7th I logged VK7BI, Devonport, Tasmania; also 3DH, 3BH, and 3JB.

DX1T (New Plymouth): I have distinctly heard the call XEW on 910 k.c. (330 m.), although their frequency is 780 k.c. (384 m.). XEG should be on 1030 k.c. (291 m.). As I stated recently, the Mexican stations do not worry what frequency they work on.

With regard to station identifying, might I suggest that more care be taken by those attempting to identify? I notice in the last two issues different ideas entirely. These must be very misleading to those wishing information. If a DXer does not know what station it is he should leave it alone rather than guess at it. For example, last week a station on 1YA's old frequency was asked for foreign speech. One DXer identifies as 4RK or KHJ. Now KHJ could always be heard apart from 1YA, and there is no foreign speech from 4RK; therefore it must be XEW. Another one asks for station between WLW and 2YA, giving the station as Macmillan's station. One reply is WGN, which is the "Tribune" station. The answer is, of course, KMPC. These little details should be carefully gone into and not answered haphazardly.—J.P.C. (Palmerston North).

[As J.P.C. points out, DXers should be very careful in identifying stations, for faulty identification leads to much waste time and trouble. Owing to pressure on space the table mentioned in the above letter unfortunately cannot appear in next week's issue.—Ed.]

Particulars of KWKH.

IN July last year I logged KWKH, Shreveport, on approx. 1050 k.c. (285.5 m.). He wrote me stating he was since then operating on 850 k.c. (353 m.), and would be using 50 k.w. shortly

(subject to the Federal Radio Commission's approval). I sent another report to the station recently, and the following extract from the reply may be of interest to DXers:—

"Frequency, 850 k.c. (352.7 m.). Schedule as follows: Monday, Wednesday, Friday and Saturday, 9 p.m.—12 p.m. (2.30-5.30 p.m., N.Z.T.); Tuesday and Thursday, 4-9 p.m. (10.30 a.m. to 2.30 p.m., N.Z.T.). We are on the air every morning from 6-8 a.m. (11.30 p.m. to 1.30 a.m., N.Z.T.). We divide time with station WWL, New Orleans. We are still operating on 10 k.w. power.—Yours, etc., W. K. Henderson, President."

Stations KWKH and KWBA, of Shreveport, Louisiana, are owned and operated by the Halo World Broadcasting Corporation.—DX31HB (Gisborne).

2YA's Transmission.

ON September 8 I noticed during the lecture from 2YA that transmission was distorted. When the station stood by for the eight o'clock chimes I heard a station coming in well with orchestral music on 710 k.c. (422 m.). When 2YA's chimes came on, however, this station was overpowered. Would it be WOR, New Jersey? The heterodyning was not noticed later in the evening. At 5.45 a.m. recently I logged Heilsberg, Germany, at R7, Q.S.A. 3, Rome, Italy, London Regional, and three or four other Europeans which so far I have identified by frequency only. Mr. N. Jenkins's station lists are much appreciated. A Scandinavian comes in very clearly on approx. 1225 k.c. (245 metres).—DX770C (Gore).

DX Jottings.

PARTICULARS of 2WL, Wollongong, are as follow: Wavelength, 299 m. (1435 k.c.); power, 50 watts. I received a card from 3ZR last week, after waiting just on three months for it. P.K.B. (Oamaru): The Jap below 4QG is JOHK, Sendai, operating on approximately 390 m. (770 k.c.). How are things at Waitaki? If you care to write my address is: A. Pratt, Box 12, Kakahi.

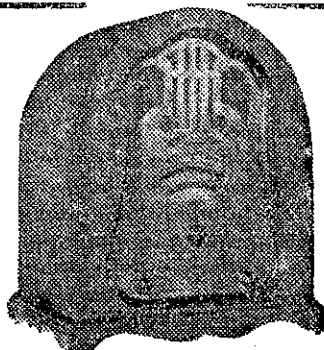
[Address of KMOX is Voice of St. Louis, Inc., St. Louis, Montana.—Ed.]

A Calibration Tip.

AS the modern condenser is S.L.F. (straight line frequency), more accuracy is obtained in graphs for station identification by plotting dial readings against frequencies. As a curve depends largely on the artistic abilities of the enthusiast, the straight line is better, for it cuts the human error down to a minimum.—L. G. Baker (Bluff).

Views on Government Control.

I QUITE agree with J.C. that the fault of distortion from 2YA does not lie with WGN. My opinion is that a Japanese station is the cause of the trouble, for any night after 2YA closes down one of these stations may be heard right on Wel-



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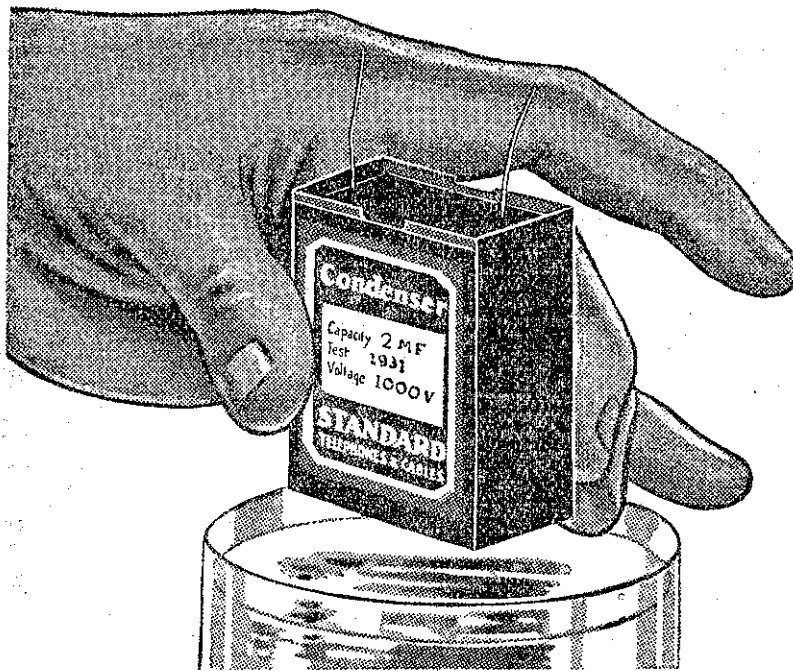
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R.R.1—H.P.—31

lington's frequency. As J.C. states, it is not until about 8 o'clock that the trouble commences, and that is about the time that most of the Japs. come on the air. I should also like to give my opinion on Government control. All those who are at present complaining about the programmes broadcast by the R.B.C. will by next June want another change. I think the old saying, in a revised form, applies: "You can please some of the public all the time, but you cannot please all the public all of the time." After all, people should know that the tuning dial is not just a decoration, but may be used to bring in items that will be appreciated from other stations.—W.J.W. (Nelson).

WABC Testing.

ON September 6 I picked up WABC, New York City, transmitting a test programme and asking for reports from DX-ers. Strength R7, with a slow regular fade to R2. I picked up his carrier

Further Europeans

The following are a few more European stations for the keener DX-ers, P.K.B. (Oamaru)—

SPAIN.

Location.	K.W.	Metres.	K.C.S.
Cartagena	.1	400	750
Barcelona	.10	268	1119
Barcelona	.7.5	349	855
Madrid	1.5	424	708

POLAND.

Location.	K.W.	Metres.	K.C.S.
Katowies	.10.	409	734
Warsaw	.12.	412	770

FINLAND.

Location.	K.W.	Metres.	K.C.S.
Helsingfors	.19	321	1357
Lahti	.40	1796	166

at 5.30 p.m., and for half-an-hour he put over electrical transcriptions. Latest loggings include WDAF, Kansas City; KGIR, Butte, Montana; WDAY, Fargo; WHAM, Rochester; and KFAB, Lincoln, Nebraska.—DX28A (Cambridge).

ON September 7 VK4LW, Rosalie, was coming through at R7. He called up several New Zealanders, and advised them that reports had been forwarded. I then tuned to VK8EK, Melbourne, and received his last two items at R4. On the same night I had VK5WL and VK5WS, Adelaide. They came in at R2 and R3 respectively. My greatest thrill was to hear the call 3RG, Castlemaine, Victoria. He came in on 1200 kc. (250 m.), approx., at R6. On the morning of the 7th I heard a station on 806 kc. (372 m.) which I took to be Hamburg. The announcer had a very guttural voice. I also heard Radio Mulhacker on 833 kc. (360 m.).—(Dunedin).

[Copies of verifications from Radio Bangkok have been published several times recently.—Ed.]

I AGREE with DX1T (New Plymouth) that the moon's influence plays a great part in distant reception. I have noticed that a few days before bad weather conditions are good, and after a big storm we will get one or two nights when stations which are not audible at normal times come rolling in. For example, I have heard WISN only once—after a big storm. He came in at R6, Q.S.A. 3. I have tried dozens of times since, but failed to get him. Recent loggings are: WIOD, WABC, KELW, and 2KO. Could anyone give me the address of the Russian short-wave station RV15, on 70 metres?—DX10A (Waitoa).

other electrical apparatus are becoming frequent. Power boards, tramway authorities, and other bodies are constantly being asked to do something to rectify faulty lines and apparatus. At a meeting of the Central Hawke's Bay Electric Power Board held recently considerable amount of time was spent discussing the question. The matter was introduced by a petition signed by twenty-eight owners of wireless sets. The petition read: "We, the undersigned wireless license-holders, do hereby demand that the Central Hawke's Bay Power Board remedy all faulty switches and wiring in this district, as these are causing great inconvenience with power leaks and interruptions."

The chairman of the board, Mr. A. C. Russell, expressed the opinion, based upon experience in Wellington, that many of the interruptions were due to the owners of the wireless sets being unacquainted with wireless. Faults may lie more with the owners than with the leaky power line, although it was possible to trace a leak to a transformer. Whilst in Wellington, the chairman had made arrangements for a complete report of power interruptions. "Very few radio enthusiasts," he said, "know how to manipulate their wireless sets, and they are continually cutting the waves." Earthing was a great factor, but it was seldom carried out properly. Moreover, if a wireless set was turned on gradually there was practically no trouble. Mr. Russell said that he thought radio proprietors should have inspectors, whose job it would be to teach wireless enthusiasts how to manipulate their sets properly.

Mr. R. R. Fraser disagreed with the chairman's arguments, considering them weak. It was ridiculous to suggest the power leaks did not interrupt reception. It was an easy matter to blame the radio owners for the installation of the machine. "If your radio expert does not think that a leaky power line can interfere with radio, then he knows nothing about it."

The board engineer stated that at an executive meeting held recently various wireless regulations were discussed, and most of them were thrown out as useless. An expert had stated that, if the capacity of 2YA were increased, practically all the power interference would be eliminated, as was now the case in Wellington, where the strength of that station was great enough to overcome the interference. He added that he did not think it would be a fair proposition to ask the board to go to the expense of scrapping material and installing new apparatus when the trouble was a common experience everywhere. Filters were very costly.

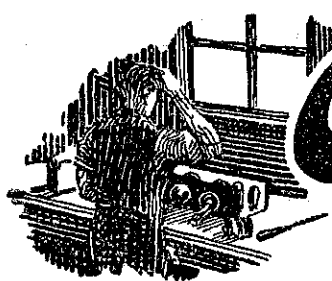
The secretary remarked that the trouble had occurred in Canterbury, where thorough investigation had been made. It was found that 90 per cent. of the interference was not caused by the Power Board apparatus. Under the Broadcasting Act, inspectors were appointed to investigate the trouble, but they had not come to Waipukurau.

It was agreed that the Power Board was not justified in spending its money in sending out inspectors at night to investigate the trouble. He moved a motion that the radio license-holders concerned be advised that the board was dealing with faults as they occurred, and that if petitioners so desired they could meet the board officials to discuss the matter with a view to seeing what could be done.

Radio Interference

Trouble in Hawke's Bay

WITH the increase in the number of powerful sets, complaints regarding interference from power lines and



Questions and Answers



DX6300 (Gore): I have a 7-valve set with an aerial 100ft. in length and 30ft. high. Could you suggest a better one?

A.: Yes; get it up to 40 or 50 feet, using still the 100 feet span. Selectivity will be slightly impaired.

2/How could I improve the selectivity?

A.: In a set such as yours the selectivity troubles can usually be traced to the condensers being out of alignment. This may also account for the slight insensitivity. If you cannot screw them up yourself ask someone who knows something about the game to look at the set.

3. I have renewed all the valves except the 3 radio valves. Would they impair the reception or selectivity?

A.: If they are still functioning satisfactorily, then they would affect neither. If the emission is slightly down both may be impaired.

A MATEUR (Te Kuiti):—I have the original B.D. Four and was getting good results, although the set was not very selective, my aerial being about 140 feet. When I use a 90 feet aerial the set squeals and distorts with the neutralising condenser right out. I have removed all

plates except one moving and one fixed, but the set is far more selective. If I connect the 75 feet and 90 feet aerials together and make a "T" I can neutralise it all right, but cannot get beyond 22Z, and the set is very unselective. I am using three 221's and a 112A. I would like to get the set neutralised to the 99 feet aerial.

A.: The best plan to adapt the B.D. to any particular aerial is to use a midge variable condenser in series with the aerial. You can then adjust the aerial to the optimum length.

O.C.S. (Hamilton):—Will you give the gauge of wire and length required for the field winding of a moving coil speaker—250-300 volts and about 80 amps?

A.: For 230 volts 30 mas. use 38 enamelled wire, 37,000 turns.

SELECTRA (Auckland):—Sorry we left out the table referred to. It is published on the following page.

1. Are the coils for a band pass crystal set connected up as shown? I find that the set works quite as well with the coils shielded from one another.

A.: There can be no justification for using a band pass filter in a crystal set, as it is difficult to see how it would be any improvement.

2. Does a band pass unit work well on shortwave using plug-in coils?

A.: We have not tried it, and do not know of anyone who has, so we cannot answer your question. It is a significant fact that none of the commercial shortwave sets are made with band pass filters.

ROCKFIELD (Auckland):—I want to add a further radio stage to my three-valve set. How can I do this?

A.: A theoretical sketch was given in the "R.R." a few weeks ago under the heading, "The Screen Grid Valve," and it showed the most suitable hook-up for connecting an s.g. valve to a set. Your best plan would be to pull the set down and build up the Differential Four, or construct a set after that type.

DX 32HB (Napier):—I wish to construct the "Outspan Five," and would like to know the following:—

1. The coil winding of the three coils using a .00025 condenser and a .0002 differential condenser for regeneration.

A.: Using 26 d.s.c. wire you will need approximately 108 turns on the secondaries of each of the three coils. The primaries should be about 45 in each case, the reaction about 60. The primary and the reaction coils should be wound with No. 28 or 30 d.s.c. wire. The valves you mention are quite suitable for the set except PM2 in the audio stage. Use a general purpose such as PM1. You may find that a special detector of the PM2DX type will go better than the R.C.C. valve as detector.

LIGHTHOUSE (Nugget Point):—Will the circuit work satisfactorily with push-pull as shown in the accompanying diagram?—Yes.

2. What type of Philips six-volt valves should I use in the stages?

A.: One A442, with 30 ohms fixed resistance in the filament to break the voltage down to four. In lieu of this you could use PM10, or some other six-volt a.g. valve. Detector, A615. First audio, A609. Push-pull, B603.

3. What should the ratio of the transformer be?

A.: 3:1 throughout. Do not exceed this.

B. L.G. (Raetihi):—I am using an x.f. tuner consisting of a s.g. valve and triode connected to a detector. These are coupled into an A.C. amplifier, but every time the set is tuned to resonance, audio howl sets up.

A.: On the surface it appears that the h.f. choking and by-passing is inadequate. Chokes should be situated in the following places: In the plate leads to both r.f. valves, in the s.g. lead. By-pass condensers should be shunted between the chokes and the earth. A choke between the plate of the detector valve and the A.C. unit. The set side of this choke should be connected to the ground through a .0001 mfd. condenser. These condensers should be connected to the A.C. point on the coils themselves, not merely across the battery. Is the shielding of your s.g. valve adequate? It should go right round the valve and should be earthed. Try reversing the connections to the secondary coil of your s.g. valve stage, that is, to make the high potential connection to the point of the coil that is nearest the ground and take the low potential connection from the upper end. This idea was explained fully when dealing with the "Kestrel Three."

K. A. B. (Pleasant Point):—What valves should be used in sockets 1-5 in my diagram? I am using a five-valve battery set.

A.: We are afraid we cannot help you greatly. You have not given us much data to work upon. Had you shown us at which side the dials were and which end your speaker, we could have recognised

the valves. The valve nearest the speaker is usually the power valve and this should be of the B605 class. All the others can be of the 221 type.

2. Which of the two positions indicated on my sketch would be the better for an aerial, AB or AC?

A.: We think AB the better, that is the way you have it at present.

HOPEFUL (Auckland):—It is evidently power interference, and it is not likely that anything can be done to improve the position unless you can locate the source of the noise. We think a Beverage aerial would be no improvement. In fact it may make matters worse.

ADVANCE (Auckland):—If I build the set be entirely satisfactory for broadcast as well as short wave?

A.: Any all-wave set is designed primarily for short wave or for long-wave operation. If you make a short-wave set into a long-wave one you are compromising on the broadcast, and this is what happens with the "Advance." This set has shown itself capable of bringing the Australians and even odd American stations on the broadcast band, but it is not as good as a specially-designed long-wave set would be.

2. Would variable condensers of greater capacity be more suitable if built for broadcast work?

A.: Yes, it would be advisable to use larger condensers and smaller coils if the set is to be used for broadcast work, but then it would not be suitable for short-wave work. Generally speaking, .00035 condensers are quite satisfactory for broadcasting use.

3. What are the specifications for the coils for a .00035 condenser for the Advance a.c. set?

A.: 21n. coils, 26 d.s.c. wire, secondaries 80 turns, primary 20 tickler 25.

4. Alterations required for the power transformer where used for broadcast only?

A.: There is no alteration needed in the power transformer, but if you are wanting

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"Cosaro" Radio Indicator and Key, 675 stations, 2/1.

"Radio Log," August issue, 7d.

"Break-In" (N.Z.), 4d.

"Short Waves," by Letts and Gable, 16/6. First exclusive book on S-W. Invaluable.

"Radio Manual," latest printing. Sterling and Kruse, 29/6.

"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).

"Practical Radio Testing Systems" (Rider). 6/6.

1001 Radio Questions and Answers, 1930, "Radio News," 2/6. D.C. to A.C., etc.

"Cameron's Sound Motion Pictures Encyclopedia," 18/6.

"Wireless: The Magic Carpet," 5/6. (Technical Editor "Radio Record" says no set owner should be without it.)

"All About the All-Electric," 1/8.

"How to Electrify Your Radio Set" (U.S.A.), 1/9.

"Principles of Radio," by Henney, 22/6.

"Practical Radio Repairing Hints," by Rider, 13/6. (Don't miss it.)

"101 Hook-ups" ("Radio News" Staff). 2/6.

"Mathematics of Radio," by Rider, 11/2.

"Broadcast Reception" (Theory and Practical), by Pritchard, 11/8.

"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," 2/6.

"Radio Log" (N.Z. monthly), 7d. per copy.

"Theory of Radio Communication," by Filgate, 12/6.

"Principles of Radio Communication," by Morecroft, 41/6.

"Elements of Radio Communication," by Morecroft, 19/6.

"Direction Finding," by Keen, 27/6.

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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.

to use the set for broadcast only why not build up the "Radiogram Five" with an extra stage of s.g. r.f.?

RECTIFIER (Te Aroha).—Is the accompanying circuit correct for an electrolytic rectifier?

A.: Yes, your circuit is correct, but if the fire underwriters happen to see you using it, there will be trouble. Such rectifiers are prohibited, consequently we cannot give you any details.

BOOZY (Hikurangi).—Crystal sets have been fairly fully dealt with in the "Radio Record" recently, and we regret that we cannot send you any further details by post.

G.H.B. (Auckland).—The "Rejesta" Wavetrap was a great success until I altered its frequency. Should I now take off some of the turns and stop double winding at the 27th turn?

A.: Yes, that would be your better plan, and you would possibly then get better results. We note your request for a reprint of the d.c. article, but we cannot do this as space these days is very much at a premium. Copies are still available from our office.

RADIAN (Dunedin).—My set develops a very audible humming noise, which persists for three or four days. It then becomes so silent that one does not know it is operating. The rectifier has seen about 4000 hours' service.

A.: We should certainly renew the rectifier, as troubles such as you complain of are very frequently caused by an aged rectifier. Failing this, communicate with the local agents of your set, whose service department will adjust it.

2. Which would be the better in the Loftin White amplifier, pushpull or a power pentode?

A.: The pushpull would give you a greater output.

3. Would the combination of the No. 2 Selectra Crystal set and a L.W. type of amplifier give as good a tone as is possible to obtain at present, providing all impedances were correctly matched and a good dynamic speaker used?—Yes.

W. H. (Wanganui).—Could my set be made into an all-wave one; if not, could it be altered to give better results on distant stations?

A.: From the plan you have sent it appears that it would not be easy to make your set into an all-wave one. If you wish to have one of these, pull the set down, using the parts to build up the "Differential Four," which was described in the "Radio Record" early this year. This should give you better results on distance. It would be better, too, for you to use different valves. Your detector valve should be a special detector, such as 2DX. The third PM1 and the fourth PM2 does not have a high amplification factor, with the result that you are not getting the kick you should.

2. When I am listening to a distant or weak station, the set can be made to oscillate by a burst of static.

A.: This is because you are working your set too near the point of oscillation. When a burst of static or a strong signal comes, the set goes over the verge of oscillation. It is very difficult to stop this other than working a little back from the oscillation point. This, of course, would give you less sensitivity, but the set would be stable.

3. How is it when I am trying to bring in a distant station, I pass a certain point on the "volume" dial the music or speech becomes loud and harsh?

A.: Your set is oscillating and you must never use it in this condition. Up to a certain point a "volume" condenser strengthens the signal, but past that point the set commences to oscillate and music and speech become rough. Work just on the other side of this point.

J. M. J. (Auckland).—I have inductively coupled the loop aerial of my set to an outdoor aerial, which is approximately 80 feet in length. Reception of distant stations has improved 75 per cent., but I have some trouble in separating 1YA, 2BL, and other stations. Shortening the outdoor aerial does not appear to have any effect, while tuning is no finer by using the large aerial coupled with the loop than when the loop aerial alone is employed. How could I obtain greater selectivity?

A.: The trouble appears to be in the set itself, for all loop sets should tune sharply. We presume you have tried the loop at different angles, even though it is coupled with the aerial. If you wish to use a wave-trap, couple it between the aerial and the loop, for the loop is really an enlarged coil of your set.

NOVICE (Whangarei).—I have a .0005 condenser and ample 28 and 22 s.w.g. d.c.c. wire. How many turns for the aerial, grid, and tickler coil would I need to put on a 3in. former, for a one-valve set?

A.: Secondary, 65 turns of 22 s.w.g. wire. Primary, 22 turns of 28 s.w.g. wire. Tickler (if you intend using a .0005 for regeneration), 20 turns.

2. How many plates would I take out of this to make a .00035?

A.: Four moving and four fixed.

T. A.C. (Morrinsville).—I have logged 25 stations. Can I expect any others on a one-valve set?

A.: Good gracious, no! You have had excellent results—far better than the average one-valve set is capable of.

2. I have connected an extra pair of 'phones to my set and find it difficult to tune out the howl. How can I remedy this?

A.: Try the effect of a small condenser across your 'phones—say, .001. If this fails,

you will have to put in an output filter, such as was shown in last week's diagnosis.

3. I get better reception without the grid-leak than with it. Why is this?

A.: This happens often because of a faulty grid condenser or grid-leak holder.

J. S.T. (—).—I am building a five-valve neutrodyne, but I cannot follow the diagram, as it is very small. Could you advise me where I could obtain a modern lay-out of this set?

Valve Base Coils with .00005 Tuning Condenser and .00015 Regeneration.

R.F. Coil. Detector Coil Waveband

Aerial.	Grid.	T. Anode.	Reaction.	Metres
3½	3½	3½	3½	9-12
5½	6½	6½	7½	12-19
8½	9½	8½	10½	19-28
10½	12½	12½	12½	28-40
15½	20½	18½	15½	40-65
20½	27½	25½	18½	80-100

A.: There are no modern lay-outs of a five-valve neutrodyne, as this set went out of date about three years ago. However, you will find that we described one, complete with diagrams, on March 15, 1927.

RAY DIO. (Eltham).—I have built the "Sparrow Hawk One" and have added two audio stages. The set has a great kick on code, but when I get on to phone stations the carriers are very loud, but the percentage of modulation low and weak. The reaction condenser has a very bad detuning effect, and it is almost impossible to listen to a distant station.

A.: The capacity of your reaction condenser is rather high, and it would not be a bad plan to use a .0005 fixed condenser in series with the moving arm and earth. You may then have to increase the numbers of turns on the reaction coil, but generally we think you would get better results. With a differential condenser, detuning is not strongly marked. It is possible you are troubled with a mild form of hand capacity, in which case it would be advantageous to use a metal panel.

I. G.R. (Takaka).—I have a six-valve set, which has been functioning excellently until recently, when it has become very mushy. What is the remedy for this fault?

A.: It is due probably to the voltage of your "C" battery falling off, or the power valve coming to the end of its useful life. Have you checked over your other batteries, just to make quite certain the trouble is not there? Another trouble could be a break-down in the secondary of one of the audio transformers, but this is not very likely. The trouble is most likely a flat "B" battery.

VIC. (Foxton).—Where may I procure the 1929 "Radio Guide"?

A.: From most bookstalls. Failing them, you could apply to our office.

2. Which would be the most suitable valve to use in the short-wave adapter described in this year's "Guide"? The 201A or C509, but 221 is best.

A.: They are both exactly the same.
3. What value grid-leak should I use?
A.: For short-wave, about 8 megohms.

POWER TONE (Dunedin).—When the secondary of a power transformer is wound in two separate halves, what leads are joined to give a centre tap?

A.: The end of one and the beginning of the next. These are the two adjacent ends.

OMEGA (Oamaru).—I propose building the "Sellens Short-wave Set." Would a pentode valve be of any advantage in the last stage?

A.: Yes, a pentode could be used in the last stage, but unless these valves are specially matched to the following transformer, the results are not always quite satisfactory.

2. In the "R.R." you give the diameter of the radio coil and not of the detector coils. What should this be?

A.: The same as the radio coil.
3. On the broadcast band, will this set bring in the main New Zealand and Australian stations on the speaker?—Yes.

H. G.T. (Brooklyn).—I am troubled by H. cross-modulation, as described in a recent issue. Would a wave-trap be of any use?

A.: Cross-modulation is very difficult to eradicate. For this reason the multi-mu



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Wave has been brought out. As a matter of fact the wave-trap may possibly do a little good in that it will sharpen tuning, but the issue is extremely doubtful.

2. Will a band pass filter cure this, and, if so, where should I connect it?

A.: A band pass filter would certainly reduce the trouble, but it would be more than an amateur's job to put it in the set. The band pass unit you specify, while being quite satisfactory, would not be of any use in your set. It would have to be built in.

G. J.J. (Wanganui).—What is the correction for Daniell cells in issue of November 14?

A.: There was no correction in the article dealing with the construction of Daniell cells. A correction appeared for the article on chokes, which followed that on Daniell cells, though we have an idea that the wrong method of adding the sulphuric acid was given at one stage. Add sulphuric acid to water.

2. Can I use B442 in the place of B405?

A.: You could, but it is very doubtful if B442 would be an improvement on B405.

3. Would I get better results by increasing my "B" battery to 135 volts and the "C" battery 7-9 volts?

A.: In all probability, yes.

D. X 25NC (Picton).—Can any apparatus be added to my set to increase the range for dx work?

A.: There is no simple apparatus that can be added. You could, of course, reconstruct the set along modern lines.

2. Is there a six-volt pentode valve marketed?

A.: Yes. For example, Mullard PM26.

P. M. (Te Kuiti).—We had two wireless sets, working from the same aerial, but once when I switched off one set and turned on the other, something went off in the set I had just turned off, and I have not been able to work it since. The valves have been tested and they seem all right. What could have occurred? Is it safe to run two sets in this manner?

A.: Yes, it is perfectly safe to run two sets in this manner, but it is a little difficult to say exactly what happened. It is possible that a leak from your electric set charged the aerial with high tension current which found its way through the aerial coil of the other set to earth. Examine this coil and see that it is intact. If this does not reveal the trouble, we are afraid we cannot help you further.

L. A.D. (Colac Bay).—I am troubled a great deal with a transformer near my residence. Can anything be done?

A.: We are afraid, under existing legislation, nothing can be done. You could approach the radio inspector and he could then in turn approach the power board and ask them to rectify the trouble, but that is as far as the law will go. See press matter elsewhere in this issue on that subject.

2. I am also troubled with selecting one station from another.

A.: Your make of set is not as selective as some, but it can be made fairly sharp by the use of a wavetrap, or a midge condenser in the aerial. We do not happen to know anything about the other set you mention.

MOI WHEARE (Wellington).—In the "Outspan Five" there is a condenser between the detector and the aerial. I wish to use a similar arrangement to connect the first and second r.f. valves. What value condensers should I use?—A.: The same.

2. I am told that a rheostat and meter are much better than a one filament switch. Is it any advantage, and would 10 ohms rheostat be the right value?

A.: The rheostat and meter is certainly a refinement, but a switch would do quite

as well. Ten ohms would be the right value.

3. I intend to put the first two stages of the "Sellen Short Wave Set" in front and connect into the audio stages by means of a D.P.D.T. switch. In this set "A." goes to earth, whereas in the "Outspan" "A." goes to earth. Could either be altered to suit the other?

A.: Alter the "Outspan" to "A." to earth.

NOVICE (Lower Hutt).—What type of Ferranti transformers should I use in the a.c. Radiogram?

A.: First audio, AF3 or AF4. Second, and for 171 type power valves O.P.M.I.C.

2. What Philips valves are suitable?—A.: Philips valves would be quite suitable. Use the following valves:—E42S, r.f. stage E409, detector E415, first audio E409. Power valve B405.

3. Where could I obtain the coils ready made?

A.: In Wellington you could obtain them from Fear & Co., or the C.A.S.

IGNAZ (Te Kuiti).—I have a five-valve set. Could you suggest a short-wave adapter that I could build and use in it?

A.: The best plan would be to use a super-heterodyne type of short-wave adapter. Failing this, either a battery adapter of the "Sparrow Hawk" type described in this year's "Radio Guide," or the a.c. type described in last year's "Guide." The super-heterodyne adapter was described in the 1931 "Radio Guide."

2. How should I connect the pick-up to my set, which uses an s.g. detector?

A.: Your best plan is to break the grid-return. That is, the bottom of the grid coil of the detector valve, and put the pick-up between the two separated ends. Across these insert a switch so that when it is closed there will be a short circuit between

the ends. When it is opened the pick-up will be in the circuit.

A. B.C. (Auckland).—Should the d.d.c. wire, after it has been wound on to the bakelite tubing for the "Knife Edge Rejection," be left bare or covered with a shellac varnish?

A.: It is immaterial. So long as it does not touch anything else, it is quite in order to leave it bare.

2. Will 50 turns do as well as 47?—Yes.

NATI (Tiki Tiki).—What is the best combination of valves for my set?

A.: The one you are using, giving preference to the American valves.

2. Would a pentode in the last stage make much difference?

A. We are inclined to think not.

3. For best results, what combination would you suggest?

A.: The combination you are using is, in our opinion, the best possible. If you are not getting the results you think you should, remember that you are using an all-wave set, and this type is always a compromise between short-wave and broadcast.

MOSSY (Dunedin).—I want to convert my B.D. to an all-electric. Will the following valves do? 226 r.f. det. and first audio, 245 last stage.

A.: Yes, but why use 226 in the first stage? Why not use 227, or, better still, 224? If you want to make an a.c. set, why not build the "Radiogram Five" described in the 1931 "Guide"? You need not use a power valve in push-pull in the last stage, unless you are particularly keen on push-pull. The resistances may be, if necessary, by-passed with half m.f.d. condensers.

W. T. (Napier).—Would a lead-in, shielded by an armoured cable, affect the distance and volume of signals?—No.

2. Would it be possible to shield, say, 30 feet of a 50-foot aerial, or is it necessary to do the whole?

A.: It would be possible to shield only a portion of it. If the results are not then quite as good as they might be, try shielding the whole.

3. Is there any special procedure when attaching aerial and lead-in tube?—No.

JACK (Wellington).—Which is correct of the two diagrams I enclose?

A.: The theoretical, always. Slips are very easily made when drawing the layout diagrams, and in cases of doubt always follow the theoretical.

VOLTAGE (Otago).—I have a four-valve kit set, in which there is a continuous whistle which dies down only when the rheostat is turned back.

A.: Try reversing the connection to the primary of the audio transformer, for we suspect audio instability of some type. When the set was rewired this difficulty should have been overcome. It may be necessary to substitute the impedance transformer with a good quality transformer.

TUBE (Port Chalmers).—I have made up the "Sparrow Hawk One," and am puzzled to know why I cannot get 4YA or 2YA. All other stations come in well.

A.: There are probably dead spots caused by the aerial at just about these places. Take off a few turns from the aerial coil and, alternatively, try bringing in the aerial coil to the top of the grid coil.

SELECTIVE (Auckland).—The selectivity of my set is very poor. What can I do to improve it?

A.: The sketches which you enclose are of pieces of apparatus which should help you considerably. With a non-selective set it is a case of having to make an extra

tuning device, which, of course, adds to the number of turns. A band pass filter would do splendidly, and we hope some day to be able to describe one. In the meantime go ahead with the second hook-up, and you will find selectivity will be improved.

REGENT (Methven).—I enclose a sketch of the filament wiring of my set. Is it correct?—Yes.

2. At present I have 201A in detector, 5X, in the 1st audio, and PM26 in the last stage. The grid-bias voltage of the PM26 is 3 and on the PM26 7 volts. 120 volts are applied to both stages. The tone through the horn speaker is very harsh.

A.: Your trouble appears to be in the speaker, as your valves are biased correctly. Some of the old horn speakers are very harsh indeed.

3. I have a PM26 valve. If I put it in the detector socket and turn on the set a howl is set up.

A.: The valve is microphonic. Try putting a cocoa tin over it, but it is quite probable that this will not stop the trouble. The valve could be used in the first audio socket. It evidently is not suited as a detector, although that type is generally recommended for this place. You are unlucky in striking a bad one.

Children's Sessions

From 2YA.

Monday.—Uncle Jeff has lent to-night's session to Tweedledee and Tweedledum. They are preparing a little play called "Hop o' My Thumb," which all girls and boys love. Miss Kathleen Hume is bringing down a party to sing choruses.

Tuesday.—There is to be a gathering of the Toys to-night. Miss May Waters is bringing them all the way from the Hutt. There will be a Dutch doll, a gollywog, a "spotted" elephant (to distinguish him from "Jumbo"), also a Teddy-bear, Sambo, a Jap doll, and a Jack-in-the-box.

Wednesday.—Wednesday brings Aunt Daisy and the Cheerful Chirpers, who will chirp as cheerfully as ever. Aunt Daisy will tell you all about her visit to a ship, the Atholqueen, and will wish birthday greetings as usual.

Thursday.—The Northland School will be our guests in the studio to-night. They are bringing us some delightful choruses, and Mr. Pinfold will be with them to conduct the singing. Uncle George, Big Brother Jack, and "Robinson" will also be here.

Friday.—We are lucky this week with our delightful chorus work, because again to-night we are to hear clever children from the Technical College. Uncle Jim will act as host. Mr. Evans will conduct the choir.

Saturday.—Spot will be in the studio to-night with Uncle Jasper, and Aunt Molly will send out greetings. A scene from "Little Lord Fauntleroy" will be performed by the pupils of Mr. Clement May.

Sunday.—The Roseneath Presbyterian children's choir will be in the studio this evening for the children's song service. They will be conducted by Mr. Purdie and Uncle George will conduct the service.



ANN WHITE,
a talented member of the Leech Lyric Choir.
—Webster, photo.

as well. Ten ohms would be the right value.

3. I intend to put the first two stages of the "Sellen Short Wave Set" in front and connect into the audio stages by means of a D.P.D.T. switch. In this set "A." goes to earth, whereas in the "Outspan" "A." goes to earth. Could either be altered to suit the other?

A.: Alter the "Outspan" to "A." to earth.

NOVICE (Lower Hutt).—What type of Ferranti transformers should I use in the a.c. Radiogram?

A.: First audio, AF3 or AF4. Second, and for 171 type power valves O.P.M.I.C.

2. What Philips valves are suitable?—A.: Philips valves would be quite suitable. Use the following valves:—E42S, r.f. stage E409, detector E415, first audio E409. Power valve B405.

3. Where could I obtain the coils ready made?

A.: In Wellington you could obtain them from Fear & Co., or the C.A.S.

IGNAZ (Te Kuiti).—I have a five-valve set. Could you suggest a short-wave adapter that I could build and use in it?

A.: The best plan would be to use a super-heterodyne type of short-wave adapter. Failing this, either a battery adapter of the "Sparrow Hawk" type described in this year's "Radio Guide," or the a.c. type described in last year's "Guide." The super-heterodyne adapter was described in the 1931 "Radio Guide."

2. How should I connect the pick-up to my set, which uses an s.g. detector?

A.: Your best plan is to break the grid-return. That is, the bottom of the grid coil of the detector valve, and put the pick-up between the two separated ends. Across these insert a switch so that when it is closed there will be a short circuit between

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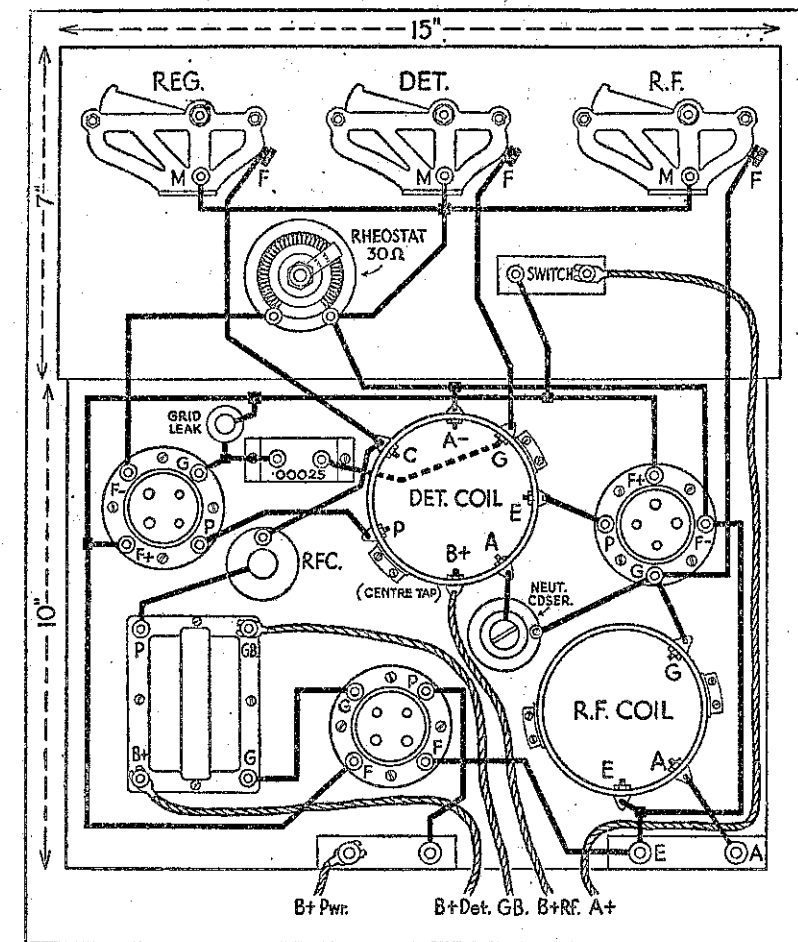
The "RANGER THREE"

Triode r.f. Amplification

It is some time since a three-valve set using ordinary triode valves in all stages was described in the "Record," and so the "Ranger Three," which answers the description, is quite an event. Many will say that this is a retrograde set, that triodes in all three stages have been out of date a long time. We admit this to be true, but there are a large number of constructors who cannot afford the screen-grid valves, and who must, of necessity, use the less expensive triode valves. There is a large number, of course, who have the extra valve on hand, and wish to utilise this in their set to turn it from a two to a three-valve. Another consideration is simplicity, for there is no doubt that a three-valve set using a triode r.f. can be made more easily than can the same set using a screen-grid valve. Apart from the neutralisation question there is nothing to worry the would-be constructor, and, after all, neutralisation is a very simple matter.

The old question of single versus multiple dials again crops up, and we have decided that this will be a multiple dial set. Those who are prepared to go to the expense of buying a single dial unit will want something more ambitious than the "Ranger Three." Furthermore, there is that constant bugbear of single dial control—reaction.

In glancing over the circuit, those who are at all familiar with the "Ranger Two" will pick up several points of similarity. They will note particularly the method of obtaining regeneration, which is by a .00025 condenser coupled between the regeneration coil and the ground. Furthermore, the audio stage is the same (that rarely varies in any set). Constructors will be interested to know that the detector coil can be adapted from the coil already constructed, merely by separating a couple of connections and taking a centre tap from the existing aerial coil. This is one of the reasons why we use the split primary method of neutralisation. Had other methods been employed, it would have been necessary to rewind the coil. Another argument in favour of the split primary is its undoubted simplicity when it comes to the actual



task of neutralising the set. Experience has shown that the split primary method is always more simple to carry out, and will generally give better results.

While .00035 condensers have been stipulated for both r.f. and detector coils there is nothing to prevent the use of the .0005 condensers if appropriate

alterations are made in the coils themselves.

It will be noted that the first coil of the set is an auto-coupled transformer, that the separate primary is done away with. This change has been made mainly to bring about sensitivity, for there is no doubt that this method of coupling the aerial is more satisfactory from the sensitivity point of view than are two separate coils. The set under these conditions will not be selective. In fact one has to sacrifice a great deal of sensitivity at any time to bring about selectivity, and where a three-valve set is used, there is no power to sacrifice in this manner, so that the

highest possible gain must be had, even if selectivity is to be sacrificed. Bringing in the aerial through a mid-get condenser is necessary mainly to comply with the Post and Telegraph Regulations. The condenser also improves the selectivity of the set and has the advantage of being able to move dead spots, should any occur. Those who wish to operate the set in a city, or close to stations that operate simultaneously, will find that a simple wavetrap will be quite effective. The employment of an elaborate pre-selector circuit cannot be recommended under any circumstances. The loss of power involved in its use offsets by far any gain in selectivity.

This set is very simple and even the most inexperienced constructor should find no difficulty in making it work. However, we would recommend anyone who is starting out from scratch to make a modern set, not to bother with the "Ranger Three," but to use a screen-grid circuit such as the "Kestrel Three." This set is merely an elaboration of a previous set for those who made the "Ranger" and were pleased with the result. The added valve will certainly step up amplification.

The components for this set are set out in a panel and before commencing the actual work on the set the would-be constructor is recommended to check up this list with the components he has on hand make certain that, when all are assembled, he has the gear necessary for making the complete set. Little is more annoying to find when the set is almost complete that one component has been overlooked.

Altering the Coils.

THE first task will be the alteration to the existing "Ranger" coil. Make a centre tap on the primary coil, that is, the bottom coil, and separate the end of the secondary and the end of the primary coils. Study the plan of the coil shown in the set lay-out, and you will see that the terminals are in the same position as they were for the "Ranger Two," that a centre tap (B+) comes out between "A" and "C" and the end of the secondary coil between "P" and "G." The connections to "P" and "C" have been reversed to simplify the wiring. If the set will not work with the tickler connected round this way, take them as they were for the "Ranger Two," that is, "P" to the plate and "C" to the choke.

The construction of the r.f. coils should give no trouble, as there is only one winding. This consists of 72

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.0003 Var. Condenser, with 200-1 Vernier, 15/-.

400 ohm. Potentiometer, 5/-.

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turns of 26 gauge d.s.c. wire wound on a 2in. former, tapped at the twenty-fifth turn. Bring the ends out so that they will occupy the positions indicated in the lay-out sketch.

When the coils are finished, lay out the components. Do first of all the panel, placing the radio frequency, detector and the regeneration condensers in line, $2\frac{1}{2}$ inches from the top. Space them evenly and allow a space of 4 inches from each end for the r.f. and regeneration condensers, and place the detector condenser at halfway, that is, $7\frac{1}{2}$ inches. The rheostat and switch are just slightly below the level of the three condensers and to the right and left of the detector condenser. They should be $5\frac{1}{2}$ inches from each end.

Mount all the components on to the panel, and then fasten the panel to the baseboard, either by screws passed through it or by bracketing. The components are then placed in the positions indicated in the lay-out sketch and fastened down.

List of Components for the Ranger Three

- 2—.00035 variable condensers and dials.
- 1—.00025 variable condenser with dial.
- 1—.00025 grid condenser.
- 1—1mf. condenser (optional).
- Switch.
- 30 ohms. Rheostat.
- Four terminals.
- Panel, 15in. x 7in.
- Baseboard, 10in. x 15in.
- 1 r.f. choke.
- 3. valve sockets.
- 1—audio transformer.
- 1—2 megs grid-leak and holder.
- 2—special coils.
- 6 wire battery cable.
- Coil of glazite wire.

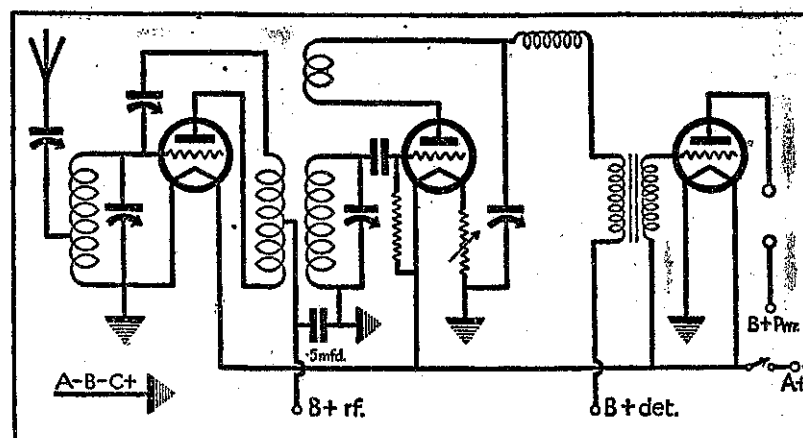
The Wiring.

ON the lay-out diagram the wiring has been shown stiff and angular, in order to make the diagram clear, but when the actual wiring is done, the shortest route should always be taken. Note, too, that the battery leads are brought in by cable, instead of being taken out to the more or less old-fashioned terminal strips. This simplifies the wiring and makes the set a few shillings cheaper.

Do not be concerned if the negative filament wire happens to go to the terminal marked + on the valve socket. Those marked on the valve socket really do not mean anything. You can take the + or the - to either of the two terminals. You will notice that the output valve appears to be connected round the wrong way, that is, the + wire is brought to the one which will most probably be marked -. However, this does not matter one iota.

Some transformers are marked differently from the one shown, and, of course, the wiring of the others into the circuit will necessitate certain alterations, but the connections remain the same.

When the set is finished the reader will naturally think of the valves he will use. These depend to a large extent upon what he happens to have on hand, for, as we said before, this set was designed for the constructor who has components on hand and



wishes to use them. Generally speaking, a general purpose valve can be used in the first stage, followed by a special detector and a high-gain power valve or general purpose valve suitably biased. Don't forget the bias on the last valve: it is really very important. If you wish to select the valves for the set, use the following types in any make and any voltage:—

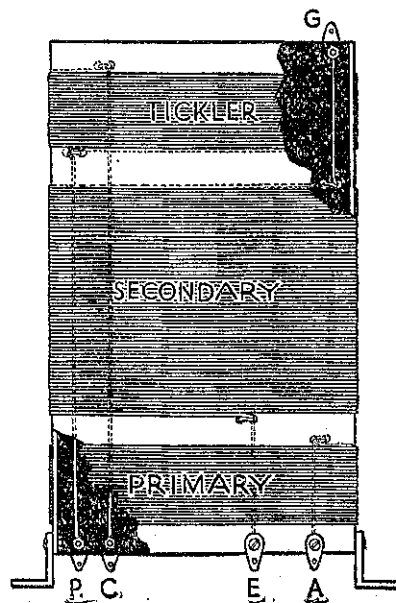
221, first r.f. and detector, and B605 or B609 in the last stage.

If economy of operation is desired, use two 230 valves with a 232 in the last stage. These work from a 2-volt accumulator and are very light on both "A" and "B" batteries.

The batteries depend upon the valves used and the constructor's pocket. It is recommended that two-volt valves be used if an accumulator is not available. By so doing two number six cells can be used in series, but as these will have a voltage more than is required for the filament, a resistance will be necessary when the valves are new. This should be about 10 ohms variable and should be kept fully in the circuit to commence with.

The number of B batteries will depend upon the amount of cash that the constructor has to spend. It is recommended that two of the 60-volt type be used. Use the medium-sized batteries, for, with a power valve in the last stage, the drain will be 10 to 12 amps. and a small battery will soon run down. The set can be operated from one 60-volts battery.

The G.B. voltage depends upon the valve in the last stage and the B voltage on it.



From tables, the constructor can ascertain exactly what voltage to make this battery.

Outside the set A—, B—, and C+ are connected together. B+ power is the highest B+ available, B+ r.f. is the

Coil Specifications

.00035 Tuning Condensers.

.00025 Regeneration Condenser.

2in. Former.

R.F. Coil.—Secondary, 78 turns, tapped 26th turn.

Regeneration Coil.—Secondary 78 turns; primary, 25 turns; tapped at 12 $\frac{1}{2}$ turns; tickler, 35 turns.

Wire, secondaries, 26 d.s.c.; tickler and primary 28—30 d.s.c.

When .0005 tuning condensers are used, reduce the number of turns on the secondary coil by 10 turns.

next highest tapping, and for that matter may go on to the highest tapping, as well as the output valve. If this procedure is adopted, it may be necessary to connect a 1mf. by-pass condenser between the tap on the primary coil and earth. This condenser is shown in the theoretical diagram, but not in the lay-out diagram. If the set will not neutralise easily, you must wire this condenser in your set.

Neutralising.

SELECT a station on about 1YA's frequency and tune to this until its strongest signal is obtained. Advance the reaction condenser until the set breaks into a whistle. Immediately move the neutralising condenser until the whistle weakens or dies away, then advance the reaction condenser again, at the same time retuning until it again breaks into a whistle. Still further adjust the neutralising condenser until further adjustment of this condenser will not prevent the whistling. The set is now neutralised, and this to a large extent will prevent the set from radiating. However, handle the set carefully, because the neutralising condensers will not stabilise the set on all frequencies.

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Advisory Committee Meets

THE Rev. S. J. Cooper presided over a meeting of the 4YA Children's Sessions Advisory Committee held on Thursday, September 8, when there were also present Misses M. Telfer (Presbyterian Social Service), Hindle (Y.W.C.A.), V. Barron (Girl Guides' Association), Pastor W. D. More (children's organiser), Messrs. W. Wallace (Y.M.C.A.), A. F. O'Donoghue.

Apologies for absence were received from Miss McIntyre, Mr. Williamson, and Brother O'Sullivan.

The reports of official visits by members of the committee were received. Mr. Wallace said that the night he attended Big Brother Bill described a visit to the "Evening Star." It was not only interesting but very exciting.

The organiser reported on a number of similar attractions that he was arranging—visits to a match factory, the Walpori Falls, Hillside Workshops, and to a ship in port. These talks are limited to fifteen minutes.

In regard to birthday greetings, the organiser said he had sent out 93 the previous Saturday.

The organiser reported that he was putting on a concert for Lone Guides. Lone Guides are country guides who cannot join up with any company. Post Guides are crippled or disabled Guides. Miss Barron said these Guides were linking up with headquarters by mail, but the radio was a direct way of reaching them.

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FEATURE PEEPS

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FUTURE PROGRAMMES

SUNDAY

From Auckland

THE afternoon sessions will include a relay of a portion of the organ recital by the city organist, Mr. Maughan Barnett. The evening service to be held in the Church of Christ, West Street, conducted by Pastor W. Campbell, will be relayed. Following the church service there will be a studio concert in which the 1YA Orchestra, Arthur Ripley (tenor) and Bessie Faulkner (soprano) will give items.

2YA Notes

THE evening service in St. John's Presbyterian Church will be relayed. The preacher will be the Rev. J. R. Blanchard, and the organist and choirmaster Mr. C. W. Kerry. At 8.15 p.m. 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 Topics

THE Very Rev. Dean Julius will be the preacher at Christchurch Anglican Cathedral in the evening, when the service will be broadcast. Dr. J. C. Bradshaw will be at the organ. A relay of a concert from 4YA will follow.

Features from Dunedin

A SALVATION ARMY service, to be conducted in the Citadel by Adjutant Tong, will be broadcast. The studio concert which will follow will be of outstanding merit. Artists supporting the St. Kilda Band in an ex-

ceptionally good vocal programme will include Margherita Zelanda, coloratura soprano, and Wilfred Kershaw (bass).

MONDAY

Selections from Wellington

The popular Italian composer Rossini will be the subject of the weekly musical portrait. The well-known operas "Tancredi," "Semiramide," "William Tell," and "The Barber of Seville" all came from his pen, and among his sacred works "Moses in Egypt," "The Stabat Mater," and the "Petite Messe Solennelle" are the most important. Signor Lucien Cesaroni and his operatic company will present the best solos and choruses from the "Stabat Mater," and "The Barber of Seville."

The Orchestra, under the conductorship of Signor A. P. Truda, will also play numbers by Rossini. Another delightful number will be a violin solo with orchestral accompaniment by Ava Symons, while Gordon Short will play "Berceuse," by Chopin.

Topics from 3YA

THE famous Milford Track will be the subject of a talk by Mr. R. W. Marshall, district manager of the Government Tourist Department.

3YA artists will be associated with the Ashburton Salvation Army Band, under Mr. George E. Argyle, in a studio concert. Appropriately, the programme will open with the overture "Ashburton," composed by the well-known Salvation Army musician, Scotney. Nora Gray, the well-known Wellington soprano, and Russell Sumner, tenor, will be the vocalists, singing

popular airs. The items by George Titchener, humorist, will include Chevallier's "The Future Mrs. 'Awkins," a number in which Mr. Titchener excels himself. Instrumental selections and accompaniments to the songs will be played by the Christchurch Broadcasting Trio.

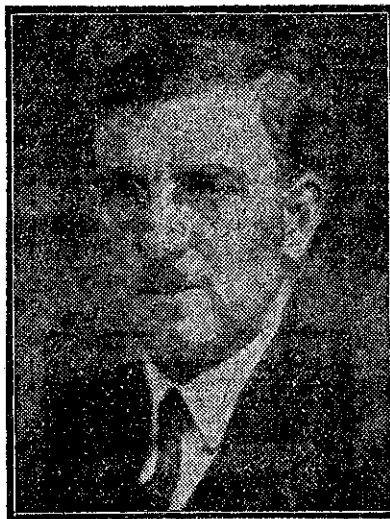
Dunedin Items

"THE French Viewpoint in Relation to Armament" will be discussed by Dr. E. N. Merrington, principal of Knox College, in a talk at 7.40 p.m. During the international programme Mr. H. D. Skinner, M.A., Lecturer in Ethnology at Otago University, will speak on "The East Indian Archipelago and Its Peoples."

TUESDAY

Faraday Centenary

At 6.30 a.m. all stations will be on the air to rebroadcast Station G5SW, Chelmsford—the Faraday Centenary celebrations in the Queen's Hall, London.



RUSSELL SUMNER,
a popular Christchurch tenor, singing from 3YA on September 21.
—Steffano Webb, photo.

Auckland Selections

THE Rev. William Constable, one of the most eloquent of Auckland's speakers, will be the lecturer during the international programme, taking as his subject "The Spirit of Ancient Greece." This address was recently given to the Auckland Rotary Club, and created much favourable comment both for its subject matter and for its delivery. Mr. Constable deals with the

Featurettes

Rossini

2YA, Monday.

Faraday Centenary Rebroadcast

All Stations, Tuesday, 6.30 a.m.

League of Pen Women

1YA, Wednesday.

The Bohemian Girl

4YA, Wednesday.

Bohemian Orchestra

1YA, Thursday.

White Owl

2YA, Thursday.

The Signal

3YA, Friday.

glories of ancient Greece and its influence on the present day.

Notes from 2YA

FEATURED on 2YA's programme will be Margaret Mercer (contralto), of Dannevirke, who will sing "To Music," "Country Folk," "The Spinning Wheel," and "The Bonnie Banks of Loch Lomond." The popular Melodie Four will be heard in solos and quartets. The Salon Orchestra, under Mr. Mat Dixon, will be heard in well-assorted numbers.

4YA Jottings

THE Dunedin Tramways Band, under Mr. Chas. A. Morgan, will provide an attractive programme, to which well-known Dunedin artists will contribute.

WEDNESDAY

Auckland Features

The 1YA programme will be provided by the New Zealand League of Penwomen. Many of the items to be given have been composed by members of the League.

2YA Notes

AT 7.40, Mr. R. Girling Butcher, Inspector of Fire Brigades, will speak on "Dominion Fire Wastage and a Fire Prevention Drive." At 9 p.m. Dr. Guy H. Scholefield, O.B.E., will be heard discoursing on an international topic.

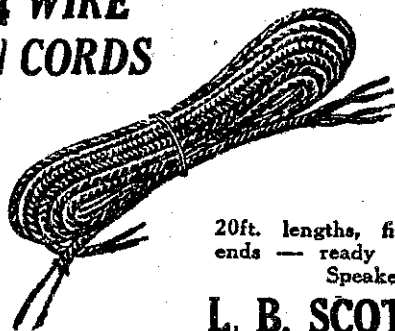
From 3YA

A FINE vocal programme will be presented, including the soprano solos by Gladys Brooks, "Oh, Had I Jubal's Lyre," "Songs My Mother Taught Me," and "I Bacio." Millicent Jennings will be heard in "Hayfields and Butterflies" (by Del Riego) and two pretty songs by Chaminade. Philip Wynne Yorke, a baritone, who makes his first appearance at 3YA, has select-

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ends — ready to fit to
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WORCESTER STS.,
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ed from his repertoire "When the House is Asleep," "Colette," and "Thinking of Mary." Miss Jennings and Mr. Yorke will be heard in a number of duets. Eileen Hughson, a clever young pianiste, will play two solos, one being Debussy's "Submerged Cathedral." Selections from "The Nutcracker Suite" and "Cavalleria Rusticana" will be played by the Studio Octet, under Mr. Harold Beck.

During the evening Mr. George Armstrong, Mayor of Akaroa, will speak on "Akaroa—Yesterday and To-day."

Selections from 4YA

BALFE'S very popular opera "The Bohemian Girl" will be presented by John T. Leech's Minnensingers.

A **VERY** strong cast has been chosen and the various excerpts will be sung to orchestral accompaniment and a chorus of 80 voices.

THURSDAY

A Business Meeting

THE home science talk from 1YA, 2YA and 3YA, prepared by the Home Science Extension Department of Otago University, will be on "How to Conduct a Business Meeting."

Items from Auckland

FROM the Auckland Town Hall a concert, to be given by the Bohemian Orchestra under the baton of Colin Muston, L.R.A.M., will be relayed.

This is the third concert of the 1931 season, and as usual a very attractive programme has been arranged. Listeners who have already heard this talented combination will doubtless be glad to have once again the opportunity of hearing the concert.

Notes from 2YA

AT 7.40 Mr. Johannes Andersen, librarian at the Turnbull Library, will continue his series of lectures on "Maori Folk Lore."

A **STUDIO** presentation of a mystery play, "The White Owl," by Dr. George de Clive Lowe, of Auckland, will be broadcast to-night under the direction of Victor S. Lloyd.



GLADYS BROOKS, who is singing several songs with orchestral accompaniment on September 23 from Christchurch. —Steffano Webb, photo.

"The White Owl" has been presented at 1YA, where it achieved great success.

Christchurch Jottings

THE speaker for the international programme will be Mr. Norton Francis, his subject being "Agricultural Research."

FRIDAY

Features from 1YA

THERE will be plenty of variety in to-night's concert. The orchestral numbers will include the overture "Life's Laughter," "Hymn to the Sun," "Dance of the Apprentices" (by Wagner), and "Scenes Pittoresques." Doris Moore, a splendid contralto, will once again delight listeners with her artistic singing, while the ever-popular Asquiths will present another novelty entertainment. A talented young pianiste, Lily Cabaret, will make her debut before the microphone in a group of solos.

Broadcast by 2YA

A **PROGRAMME** of varied items will be presented from the 2YA studio. The Orchestrina, under Signor A. P. Truda, will be heard in several numbers, including the Spanish waltz "Santiago." The popular Maori tenor Noho Toki will be heard in "Manuka" and "Little Greenstone Tiki," Maori songs by Don, and "I Hear You Calling Me" and "One Heart Divine." An instrumental novelty duo, consisting of banjo and piano, new to 2YA, will play some snappy up-to-date numbers.

3YA Jottings

INTRODUCED into 3YA's programme will be a sketch, "The Signal," the scene of which is laid on the bridge of a merchant steamer during a fog in the English Channel in 1917. The sketch will be presented under the direction of Major Lampen, of Dunedin, who, in an introductory prologue, will narrate some sailors' superstitions.

THE vocal portion of the musical programme for the evening will be provided by the Lichfield Male Quartet. One of the quartet numbers, "Bird Songs at Eventide," will be sung to a background of bird voices. An instrumental programme will be provided by the Studio Octet, under Harold Beck.

Concluding the evening will be a half-hour's gramophone lecture-recital by Karl Atkinson, on "The Sea in Music."

Dunedin Notes

THERE will be a miscellaneous programme to-night, included in which will be Pettitt's Novelty Trio. Some old favourites will be sung by Mrs. D. Carty, and contralto solos will be sung by Jessie McMillan.

SATURDAY

Featured at 1YA

MR. H. BOYD (ZLICH), speaking under the auspices of the N.Z. A.R.T., will give a talk on "Dynamic Speakers and Baffles."

The Savoy Male Quartet, which combination of talented young singers is quickly becoming very popular with Auckland audiences, will make another welcome appearance in a number of



ROBERT MCKNIGHT, whose concertina items are a feature of 1YA's programmes. He will be heard next on September 26. —Steffano Webb, photo.

quartets and solos. "Lee Fore Brace" has very quickly come into favour with his unseen audience for the thrilling sea stories he relates. On this programme his story will be "Man Overboard."

Wellington Selections

A **"SCOTTISH NIGHT,"** produced under the direction of George Stark, will be featured.

FEATURES of the programme will be "Hail to the Chief," sung by the Etude Quartet, Mr. and Mrs. George Stark will also be heard in the duet "The Wee Cooper o' Fife," arranged by Moffat, Gretta Stark in a bracket of soprano solos, "Twas Within a Mile o' Edinburgh Toon" and "O, Whistle and I'll Come to Ye" (traditional), bagpipe selections by Piper Smith, and humorous items by Owen Pritchard, "I Love a Lassie" and "Tobermory," both by Lauder. The Salon Orchestra, under Mat T. Dixon, will be heard in a full instrumental Scotch programme, including the selection "Highland Laddies," paraphrase "The Bluebells of Scotland," march "London Scottish," the selection "The Thistle," and a bracket of three novelties, "Thistledown," "Sweet Heather," and "Bonnie Blue Bonnets."

3YA and 4YA Notes

FROM 3YA at 7.40 p.m., Mr. W. G. Wright will give a talk on "Angora Rabbits." Xylophone, mouth organ, accordion and banjo band items will form part of the radio vaudeville programme to be broadcast by 4YA and 3YA. In addition, light comedy duets will be sung by Violet and Edward Lee.

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Full Programmes for Next

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Sunday, September 20

1YA, AUCKLAND (875 KILOCYCLES)—SUNDAY, SEPTEMBER 20.

- 8.0 : Chimes. Selected recordings and relay of portion of Organ Recital given by the City Organist, Mr. Maughan Barnett, in the Town Hall.
- 6.0 : Children's song service, conducted by Uncle Leo.
- 7.0 : Relay of evening service from the Church of Christ, West Street. Preacher, Pastor W. Campbell.
- 8.30 (approx.): Overture—National Symphony Orchestra, "Die Fledermaus" (Strauss) (Zono. EF25).
- Tenor—Mr. Arthur Ripley, with orchestral accompaniment, (a) "There is a Flower that Bloometh" (from "Maritana"—Wallace), (b) "Beyond the Night" (Neade).
- Selection—Salon Orchestra, under direction of Harold Baxter, "Hungarian Dance No. 4" (Brahms); Ballet, "Dance of the Hours."
- Soprano—Miss Bessie Faulkner, "Vain is Beauty" (Arne).
- Evening weather forecast and announcements.
- Suite—Salon Orchestra, "Peer Gynt Suite No. 2" (Grieg): (a) "Ingrid's Lament," (b) "Arabian Dance," (c) "Stormy Evening," (d) "Solweig's Song."
- Tenor—Mr. Arthur Ripley, "Adelaide" (Beethoven).
- Violin—Fritz Kreisler, (a) "Schon Rosmarin" (Kreisler), (b) "Rondino" (Beethoven-Kreisler) (H.M.V. DA 1044).
- Selection—Salon Orchestra, "Frühling Serenade" (Drdla); waltz, "Dornroschen" (Tschalkowsky).
- Organ—Quentin Maclean, "Merchant of Venice" Incidental Music (Rosse): (a) "Prelude No. 1," (b) "Intermezzo—Portia," (c) "Oriental March" (Col. 02796).
- Soprano—Miss Bessie Faulkner, (a) "Cuckoo Song" (Quilter), (b) "An Old-Word Serenade" (with violin obbligato) (Meyer-Helmund).
- Dance—Salon Orchestra, "Tanz Humoreske" (Palmgren); selection, "Echoes from the Volga" (Seredy).
- 10.0 : God save the King.

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

- 2.45: Relay from Town Hall of Y.M.C.A. Youth Rally.
- 6.0 : Children's song service, conducted by Uncle George, and assisted by the children's choir from the Kent Terrace Presbyterian Church.
- 7.0 : Relay of evening service from St. John's Presbyterian Church. Preacher, Rev. J. R. Blanchard; Organist and Choirmaster, Mr. C. W. Kerry.
- 8.15 (approx.): Relay from the Grand Opera House of concert by the Port Nicholson Silver Band (Conductor, Mr. J. J. Drew).
- God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, SEPTEMBER 20.

- 3.0 : Gramophone recital.
- 5.30: Children's song service by children of Anglican Sunday Schools.
- 6.15: Chimes from studio.
- 6.30: Selected recordings.
- 7.0 : Relay of evening service from Christchurch Anglican Cathedral. Preacher: Very Rev. Dean Julius. Organist and Musical Director: Dr. J. C. Bradshaw.
- 8.20 (approx.): Relay of programme from 4YA, Dunedin.
- 10.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, SEPTEMBER 20.

- 3.0 : Afternoon session.
- 5.30: Children's song service, conducted by Big Brother Bill.
- 6.15: Selected recordings.
- 6.45: Relay of evening service from Salvation Army Citadel, Dowling Street, Dunedin. Preacher, Adjutant Tong.
- 8.15: Programme by the St. Kilda Band (under Mr. James Dixon) and 4YA artists.
- March—The Band, "The Challenge" (Calvert); waltz, "Sylvan Echoes."
- 8.27: Coloratura soprano—Madame Margherita Zelanda, (a) "Just for Today" (Seven); (b) "Im Quelle Trine Morbide" (Puccini).
- 8.34: Violin—Maitland McCutcheon, (a) "Loure" (Bach); (b) "Ave Maria."
- 8.42: Bass—Mr. Wilfred Kershaw, "The Crown of the Year" (Martin).
- 8.46: Symphonic poem—The Band, "Coriolanus" (Cyril Jenkins).
- 8.57: Contralto—Mrs. B. C. Roberts, "Feast of Lanterns" (G. Bantock).
- 9.0 : Evening weather report and station notices.
- 9.2 : Male choir—London Male Voice Octet, "The Keys of Heaven."
- 9.6 : Tenor—Mr. G. Crawford, (a) "The English Rose" (German); (b) "March of the Cameron Men" (trdtl.).
- 9.12: Tenor horn polka with band accompaniment—Mr. W. Smith, "Iona."

- 9.17: Coloratura soprano—Margherita Zelanda, (a) "Song of the Open" (La Forge); (b) "Oh Quante Volte" (Bellini).
- 9.24: Overture—The Band, "Semiramide" (Rossini).
- 9.33: Bass—Mr. Wilfred J. Kershaw, (a) "Bonnie Dundee" (Scottish Air); (b) "Drink to Me Only with Thine Eyes" (Quilter).
- 9.40: Violin—Maitland McCutcheon, (a) "Rigaudon" (Mousigny); (b) "Liebsfreud" (Kreisler).
- 9.45: Contralto—Mrs. B. C. Roberts, (a) "Adrift" (Granville Bantock); (b) "Lullaby" (Brahms).
- 9.50: Brass quartet—Members of the Band, "Comrades in Arms."
- 9.56: Tenor—Mr. G. Crawford, "Open the Gates of the Temple" (Knapp).
- 9.59: Male choir—London Male Voice Octet, "Studies in Imitation."
- 10.3 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, SEPTEMBER 20.

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

Monday, September 21

1YA, AUCKLAND (875 KILOCYCLES)—MONDAY, SEPTEMBER 21.

- 8.0 : Chimes. Relay from the Auckland Town Hall of a ringside description of the Wrestling Contest between Pinto and Walker, to be preceded by amateur bouts.
- God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, SEPTEMBER 21.

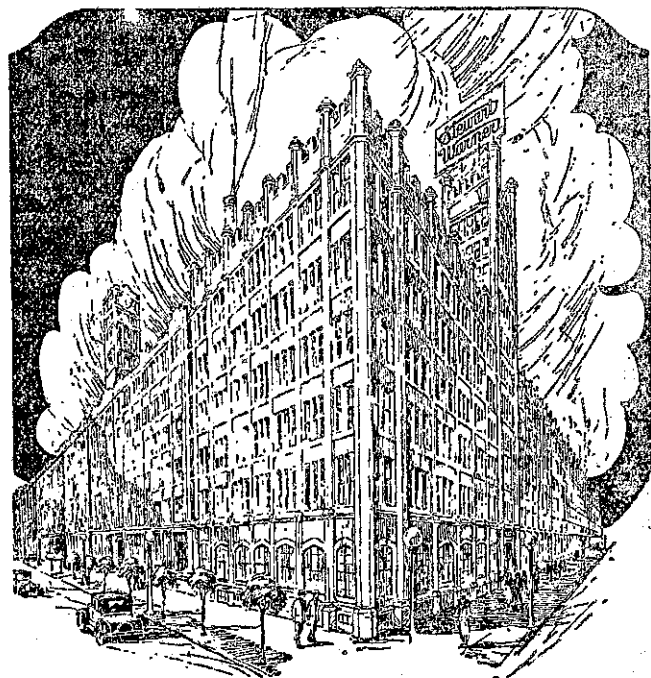
- 10.0 : Chimes. Selected recordings.
- 11.12: Lecturette—"Cooking."
- 11.37: Lecturette—"Health Hints or First Aid."
- 12.0 : Lunch hour music.
- 2.0 : Selected recordings.
- 3.30 and 4.30: Sporting results to hand.
- 5.0 : Children's session, conducted by Uncle Jeff.
- 6.0 : Dinner music session (Parlophone)—
- Frank Westfield's Orchestra, "The Belle of New York" Selection.
- Dajos Bela Orchestra, "Strauss, the Waltz King, at Home" (Weber) (A4260); "Ideale" (Tosti) (A4015); "Viennese Life" Waltz.
- Victor Olof Salon Orchestra, "Grieg Selection" (arr. Urbach) (A4250).
- Dajos Bela Orchestra, "Serenade" (Moszkowski) (A4015).
- Berlin State Opera Orchestra, "Wine, Women and Song" Waltz.
- Dajos Bela Orchestra, "Traumideale" (Fucik) (A4259).
- Frank Westfield's Orchestra, "Our Miss Gibbs" Selection (Strauss).
- Barnabas von Geczy and His Orchestra, "Strauss Waltz Medley."
- 7.0 : News, market reports and sports results.
- Talk under the auspices of the New Zealand Institute of Opticians, "Why Do So Many People Wear Glasses?"
- 8.0 : Chimes. Vocal Programme from Rossini's Works, by Signor Lucien Cesaroni and Operatic Company.
- Overture—Berlin State Opera House Orchestra, "Italiana in Algeria." Excerpts from "Stabat Mater" (Rossini).
- 8.8 : Chorus and quartet—"Stood the Mother Full of Grief."
- 8.14: Tenor—Mr. R. Trewern, "Cujus Animam" (from "Lord, Vouchsafe Thy Loving Kindness").
- 8.19: Bass—Signor Lucien Cesaroni, with orchestral accompaniment, "Pro Peccatis."
- 8.23: Violin—Miss Ava Symons, with orchestra, "Meditation" (from "Thais").
- 8.29: Bass and chorus—Signor Lucien Cesaroni and Company, "Thou Hast Tried Our Hearts."
- 8.33: Soprano and chorus—Miss E. Standen and Company, "Inflammatus."
- 8.37: Overture—2YA Orchestra (Conductor, Signor A. P. Truda) "William Tell" (Rossini).
- 8.47: Quartet—Miss J. Stirling, Mrs. K. McAllum, Messrs. R. Trewern and G. Gray, "Hear Us, O Lord."
- 8.52: Ballet music—Orchestra of the Opera Comique, Paris, "Manon."
- 9.0 : Evening weather report and station notices.
- 9.2 : Fantasia—2YA Orchestra, "The Barber of Seville" (Rossini). Excerpts from "The Barber of Seville" (Rossini), with introductory comments.
- 9.10: Tenor and Baritone with chorus—Messrs. R. Trewern, G. Gray and Company, "Softly, Softly."
- 9.17: Bass—Signor Lucien Cesaroni, with orchestral accompaniment, "Largo al Factotum."
- 9.21: Overture—Berlin State Opera Orchestra, "Semiramide" (Rossini).
- 9.29: Piano—Mr. Gordon Short, "Berceuse" (Chopin).
- 9.37: Soprano—Miss Janet Stirling, "Una Voce" (from "Though His Voice").
- 9.41: Selection—Berlin State Opera House Orchestra, "La Gazza Ladra."

Week-all Stations-to Sep. 27

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- 9.40: Bass—Signor Lucien Cesaroni, with orchestral accompaniment, "Calumny."
 9.54: Ballet music—2YA Orchestra, "Ballet Music" (from "William Tell").
 10.0 : Dance programme (Polydor)—
 Foxtrots—Marimba Original Excelsior de Guatemala, "Vamos al Merendon" (Jorge Vasquez) (21903). Ben Berlin's Dance Orchestra, "First the Right Leg" (Kollo) (23394); "A Very Good Chum."
 10.9 : Waltz—Ilya Livschakoff's Dance Orchestra, "You've Been My Lucky Star" (Stolz) (23400).
 Foxtrots—Ben Berlin's Dance Orchestra, "Just You" (Nelson) (23394). Paul Godwin's Dance Orchestra, "Both You and Myself" (23326).
 10.18: Vocal—Jack O'Hagan, "Rambling Down the Roadway" (O'Hagan).
 10.21: Tangos—Jose M. Lucchesi and His South American Orchestra, "Alla Va El Caldo" (Pippo Rache) (22060); "La Voz Viento" (Lucchesi) (22059); "Amargura" (Lucchesi) (22060).
 Waltz—Paul Godwin's Dance Orchestra, "Good-bye" (Spoliansky).
 10.30: Foxtrots—Ben Berlin's Dance Orchestra, "To Begin with a Big Question Mark" (Heymann) (23533); "Hullo, Sweet Lady" (Heymann) (23534); "My Heart is Longing for You" (Heymann) (23533).
 10.39: Vocal—Jack O'Hagan, "With My Guitar and You" (Harris) (DO130).
 10.42: Tangos—Marimba Original Excelsior de Guatemala, "Nubes de Humo" (21905). Ilya Livschakoff's Dance Orchestra, "The Tale of Good Fortune" (Stolz) (23400). Jose M. Lucchesi and His South American Orchestra, "Soledad" (Coppola) (22076).
 10.51: Foxtrots—Marimba Original Excelsior de Guatemala, "Bomberos" (21903); "Mi Ferrito" (Pearly Chagnon) (21905).
 11.0 : God save the King.

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AUCKLAND — CHRISTCHURCH — WELLINGTON.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, SEPTEMBER 21.

- 3.0 : Gramophone recital.
 4.25: Sports results.
 5.0 : Children's hour, conducted by Uncle Bill.
 6.0 : Dinner music session (Polydor)—
 Symphony Orchestra, "Die Fledermaus" (Strauss) (27178).
 Paul Godwin's Orchestra, "Japanese Cherry Blossom Festival" (Yoshitomo) (19747), "Egyptian March" (Strauss) (19647), "The Circus Princess" (Kalman) (19640).
 Ilya Livschakoff and His Orchestra, "Estrellita" (Ponce, Davis).
 Paul Godwin's Orchestra, "Japanese Lantern Dance" (Yoshitomo).
 State Opera Orchestra, Berlin-Charlottenburg, "La Gazza Ladra."
 Paul Godwin's Orchestra, "Spring's Awakening" (Bach) (19647).
 Ilya Livschakoff's Orchestra, "Pas Des Escharpes" (Chaminade).
 Paul Godwin and His Orchestra, "Third Waltz Medley" (Robrecht).
 7.0 : News session.
 7.30: Talk—Mr. R. W. Marshall, District Manager, Government Tourist Department, "Tourist Resorts—The Milford Track."
 8.0 : Chimes. Programme by Ashburton Salvation Army Band (under conductorship of Mr. George E. Argyle) and 3YA Artists.
 March—Band, "Ashburton" (Scotney); Selection, "Rejoice."
 8.12: Tenor—Mr. Russell Sumner with trio accompaniment, "There's a Land"
 8.16: Waltz—The Original Marimba Band, "Fairy Doll" (Bayer); Selection, "Sunshine of Spain" (Alfonso) (Parlo. A3063).
 8.22: Humour—Mr. George Titchener. (a) "The Future Mrs. Awkins," (b) "Deep Impressions" (Will Bishop).
 8.30: Accordion—Rene Leroux and His Musette Orchestra, "Girl From Paris" (Sylviana) (Poly. 23615).
 8.33: Hymn—Band, "Ottawa" (arr. Scotney).
 8.35: Soprano—Miss Nora Gray, (a) "Baby Moon," (b) "Cherry Blossoms."
 8.41: Selection—Band, "War Songs" (arr. Ball).
 8.47: Chorus—The Salon Group, "Kiss Me Again" (Herbert) (HMV EB58).
 8.51: Instrumental—Christchurch Broadcasting Trio, (a) "Waltz" (Tschakowsky). (b) "Estrellita" (Ponce).
 8.57: Selection—Dajos Bela Orchestra, "Polish Life" (Nedbal).
 9.1 : Weather forecast and station notices.
 9.3 : Talk—Mr. D. E. Parton (Chairman of the 3YA Children's Advisory Committee), "The Work of the Committee."
 9.18: Meditation—Band, "Horbury" (Marshall).
 9.27: Tenor—Mr. Russell Sumner with Trio accompaniment, (a) "Then You'll Remember Me" (Balfe), (b) "When My Ship Comes Sailing Home" (Dorel).
 9.33: Instrumental—Christchurch Broadcasting Trio, (a) "The Red Sarafan" (Vernaloff), (b) "Poupee Valsante" (Poldini).
 9.39: Humour—Mr. George Titchener, "Walter the Waiter."
 9.43: Selection—Band, "Exaltation" (Hill).
 9.50: Soprano—Miss Nora Gray with trio accompaniment, "Break o' Day."
 9.54: Accordion—Rene Leroux and His Musette Orchestra, "The Bagpipe's Song" (Vaissade) (Poly. 23615).
 9.57: March—Band, "Steadily Forward March" (Kirk).
 10.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, SEPTEMBER 21.

- 3.0 : Selected recordings.
 5.0 : Children's hour, conducted by Uncle Jack and Uncle Pete.
 6.0 : Dinner music session (Polydor)—
 The Polydor String Orchestra, "La Muette de Portici" Overture.
 Paul Godwin's Orchestra, "Talkative" (Ellenberg) (19841); "Les Patineurs" (Waldteufel) (19710).
 Jean Gilbert's Scala Orchestra, "Strolling Through Jean Gilbert's Hits."
 Paul Godwin's Orchestra, "Sizilietta" (Von Blon) (22902); "Cajolery."
 Edm Schachmeister's Jazz Symphonians, "Dubinuschka" (Schirmann).
 Paul Godwin's Orchestra, "Dolly's Dancing" (Rhode) (19710); "Siziliana" (Jessel) (22902).
 Paul Godwin's Jazz Symphonians, "Hullo, 1930" (Borchert) (22929).
 7.0 : News session.
 7.40: Talk—Dr. E. N. Merrington, under auspices of League of Nations Union, "The French Viewpoint in Relation to Armament."
 8.0 : Chimes. Specially-recorded International Programme:
 Vitaphone Orchestra.
 Radio Sweethearts.
 Forget-me-not.
 Weather report.
 International Talk—Mr. H. D. Skinner, M.A., Lecturer in Ethnology at Otago University, "The East Indian Archipelago and Its Peoples"
 The Irresistible Imps.

Whispers.
God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—MONDAY, SEPT. 21.

8.0 to 10.0 p.m.: Concert programme.

Tuesday, September 22

1YA, AUCKLAND (875 KILOCYCLES)—TUESDAY, SEPTEMBER 22.

a.m.

6.30: Rebroadcast of G5SW, Chelmsford, Faraday Centenary Commemoration at Queen's Hall, London. Speakers will include the Prime Minister (Rt. Hon. J. Ramsay MacDonald), Senator Marconi, Lord Rutherford, and eminent scientists representing the United States of America, France, Germany, Italy, Holland, with a Commemoration Address by Sir William Bragg.

8.0 : Chimes. Selected recordings.

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

6.0 : Dinner music session (Polydor)—

Paul Godwin's Orchestra, "Polish Temper" (Nedbal) (19609).
Paul Godwin's Trio, "For You" (Czibulka) (21341); "Melodie."
Paul Godwin's Orchestra, "Kismet" (Yamada) (V40261).
Bfsm Schachmeister's Orchestra, "Dark Eyes" (Schachmeister).
Paul Godwin's Orchestra, "Hearts and Diamonds" (Granichstaedten).
Paul Godwin's Quartet, "Serenata" (Beccia) (21344); "Adoration."
Polydor Orchestra, "Berlin As It Laughs And Weeps" (Conradi).
Paul Godwin's Orchestra, "Love In Idleness" (Macbeth) (V40261).
Bfsm Schachmeister's Orchestra, "Kasbek" (Schachmeister) (20453).
Paul Godwin's Orchestra, "Short But Delicious" (Schreiner) (19576).

7.0 : News and market reports.

7.40: Talk—Mr. N. M. Richmond (Director of the W.E.A.), "Plato Looks at the World To-day—War."

8.0 : Chimes. Specially Recorded International programme.

Vitaphone Orchestra.
Radio Sweethearts.
Forget-Me-Not.
Weather report.
International Talk—Rev. W. Constable—"The Spirit of Ancient Greece"
The Irresistible Imps.
Whispers.
God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, SEPTEMBER 22.

a.m.

6.30: Rebroadcast of G5SW, Chelmsford, Faraday Centenary Commemoration at Queen's Hall, London. Speakers will include the Prime Minister (Rt. Hon. J. Ramsay MacDonald), Senator Marconi, Lord Rutherford, and eminent scientists representing the United States of America, France, Germany, Italy, Holland, with a Commemoration Address by Sir William Bragg.

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 hour, conducted by Jumbo.

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) (Zono).
Victor Concert Orchestra, "Romance" (Tschalkowsky) (Zono. EF7).
Philadelphia Symphony Orchestra, "Casse Noisette Suite" (Tschalkowsky: (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 (G1982).
New Light Symphony Orchestra, "Barcarolle" from "Tales of Hoffmann" (Offenbach) (B2377).

International Novelty Orchestra, "Emperor" (Strauss) (Zono. EF22).

7.0 : News, market reports and sports results.

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

8.0 : Chimes. Selection, London Theatre Orchestra, "Frederica" (Lehar).

3.8 : Quartet—Melodie Four, "My Cairo Love" (Zamecnik).

Tenor—Mr. Sam Duncan, "Eileen Mavourneen" (Benedict).

8.14: Suite—2YA—Salon Orchestra (Conductor, Mr. M. T. Dixon), "L'Arlesienne" (Bizet).

8.26: Contralto—Madame Margaret Mercer, (a) "To Music" (Schubert), (b) "Country Folk" (Brahe).

8.32: Tango—Otto Dobrindt and His Symphony Orchestra, "Speak Not of Love Eternal" (Granichstaedten) (Parlo. A4275).

8.36: Bass—Mr. W. W. Marshall with orchestral accompaniment, "The Lute-Player" (Allisen).

Quartet—Melodie Four, "Wanganui Moon" (McKenzie)

8.43: 'Cello—Cedric Sharpe, (a) "Chant Sans Paroles" (Tschalkowsky), (b) "Consolation" (Liszt, arr. Sharpe) (H.M.V. B2487).

8.49: Instrumental—2YA Salon Orchestra, "Prelude in C Sharp Minor" (Rachmaninoff); descriptive selections, (a) "Southern Nights" (Guion), (b) "Love's Garden" (Schwartz).

9.0 : Evening weather report and station notices.

9.2 : Quartet—Melodie Four, "Sweet Jenny Lee" (arr. Crowther).
Baritone—Mr. R. S. Allwright, with orchestral accompaniment, "The Merry Monk" (Bevan).

9.9 : Violin—Alfredo Rode, (a) "The Dance of the Goblins" (Bazzini), (b) "La Clochette" (Paganini) (H.M.V. B2436).

9.15 : Contralto—Madame Margaret Mercer, Scottish folk songs: (a) "The Spinning Wheel" (Lees), (b) "The Bonnie Banks of Loch Lomond"

9.21: Instrumental—2YA Salon Orchestra, "Four Trifles" (Hewitt).

9.31: Tenor—Mr. Frank Bryant, (a) "A Song Remembered" (Coates), (b) "I Love the Moon" (Rubens).

Quartet—Melodie Four, "An Evening's Pastoral" (Shaw).

9.41: Accordion—Rene Leroux and His Musette Orchestra, (a) "They Don't Have It," (b) "During the Dance" (Olivier) (Poly 23562).

9.47: Suite for piano and strings—Mr. M. T. Dixon and 2YA Salon Orchestra, "Folk Tune and Fiddle Dance" (Fletcher).

10.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, SEPTEMBER 22.

a.m.

6.30: Rebroadcast of G5SW, Chelmsford, Faraday Centenary Commemoration meeting by the Royal Institute at Queen's Hall, London. Speakers will include the Prime Minister (Rt. Hon. J. Ramsay MacDonald), Senator Marconi, Lord Rutherford, and eminent scientists representing the United States of America, France, Germany, Italy, Holland, with Commemoration Address by Sir William Bragg.

God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, SEPTEMBER 22.

a.m.

6.30: Rebroadcast of G5SW, Chelmsford, Faraday Centenary Commemoration at Queen's Hall, London. Speakers will include the Prime Minister (Rt. Hon. J. Ramsay MacDonald), Senator Marconi, Lord Rutherford, and eminent scientists representing the United States of America, France, Germany, Italy, Holland, with a Commemoration Address by Sir William Bragg.

3.0 : Selected recordings.

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

6.0 : Dinner music session (Columbia)—

Regal Salon Orchestra, "Memories of Beethoven" (Beethoven).
Plaza Theatre Orchestra, "Gipsy Suite" (German): (1) Valse (Lonely Life), (2) Allegro (The Dance) (02587).
Columbia Symphony Orchestra, "Al Fresco" (Herbert) (01092).
Albert W. Ketelbey's Concert Orchestra, "By the Blue Hawaiian Waters" (Ketelbey) (05035).
J. H. Squire's Celeste Octet, "Invitation to the Valse" (Weber) (02805).
Orchestra de la Societe des Concerts du Conservatoire, Paris, "Le Rouet d'Omphale" (Saint-Saens) (02926).
Plaza Theatre Orchestra, "Gipsy Suite" (German): (3) Menuetto (Love Duet), (4) Tarantella (The Revel) (02538).
Columbia Symphony Orchestra, "Badinage" (Herbert) (01092).
Menorah Symphony Orchestra, "Bar Kochba" Selection (Goldfaden).
J. H. Squire's Celeste Octet, "Chant Sans Paroles" (Tschalkowsky).

7.0 : News session.

7.30: Talk—Rev. A. Mead, M.A., under auspices of W.E.A., "Memories of South Africa."

8.0 : Chimes. Programme by Dunedin Tramways Band (Conductor, Mr. Chas. A. Morgan) and 4YA artists:
March—Band, "Soldier's Life" (Schmeling); foxtrot, "Here Comes the Sun" (Freed).

8.8 : Contralto—Miss Helen E. Roy, (a) "She Wandered Down the Mountain Side" (Clay); (b) "Golden Slumbers Kiss Your Eyes" (tradit.).

8.14: Selection—Ilja Ljarschakoff's Orchestra, "Spring in Paris" (Kaiman).

8.20: Humour—Mr. D. E. Dall, "From Pickwick Papers" (Dickens).

8.25: Caprice—The Band, "Bal Masque" (Fletcher); waltz, "Lonesome Lover" (Monaco).

8.35: Baritone—Mr. J. A. Sligo, "Hail, Caledonia" (Stroud).

8.39: Piano—Mrs. C. Drake, "Allegro from Faschingsschwank" (Schumann).

8.44: Male choir—Berner Liedertafel, (a) "Aufblick," (b) "Unsere Berge."

8.50: Descriptive selection—The Band, "The Village Forge" (Holloway).

8.57: Soprano—Miss Estelle Burnard, "The Sandman" (Brahms).

9.0 : Weather report and station notices.

9.2 : Orchestral—Grand Symphony Orchestra, "Dance of the Waves" (Parlo).

9.10: Humour—Mr. D. E. Dall, "From Pickwick Papers" (Dickens).

9.15: Selection—The Band, "Verdi's Works" (arr. Round).

9.25: Contralto—Miss Helen E. Roy, "Now Sleeps the Crimson Petal."

9.28: Cornet—Bandsman Reader, "Bostonian Polka" (Greenwood).

9.34: Dance—Grand Russian Balalaika: (a) "A Song of India," (b) "Snowflake" (Rimsky Korsakov) (Poly. 22341).

9.40: Baritone—Mr. J. A. Sligo, (a) "Glorious Devon" (German), (b) "The Lilac Tree" (Grattan).

9.46: Serenade—The Band, "O Sole Mio" (Capua).

9.51: Soprano—Miss Estelle Burnard, (a) "Woodland Thoughts" (Franz), (b) "Ladybird" (Schumann).

9.57: March—The Band, "Pat in America" (Eden).

10.1 : God save the King.

Wednesday, September 23

- IYA, AUCKLAND (875 KILOCYCLES)—WEDNESDAY, SEPTEMBER 23.**
- 12.30: Relay from the Auckland Town Hall of the Community Singing.
 3.0: Chimes. Selected recordings.
 3.15: Literary selection.
 5.0: Children's session, conducted by Uncle Reg.
 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) (DOX71); "Funeral March of a Marionette" (Gounod, arr. Sear).
 New Concert Orchestra, "Vienna Maidens" (Ziehrer) (02979).
 Classic Symphony Orchestra, "Classic Memories" (arr. Ewing).
 J. H. Squire's Celeste Octet, "Ave Maria" (Bach, Gounod).
 7.0: News and market reports.
 7.40: Talk under the auspices of Department of Health—Dr. M. Wilson, "Diet and Its Relation to Nutrition."
 8.0: Chimes. Concert by the New Zealand League of Penwomen.
 Overture—Berlin State Opera Orchestra, "Stradella" (Flotow).
 8.9: Mezzo-contralto—Miss Amy Hansard, (a) "Bless Thy House" (Amy Hansard); (b) "The Traveller" (Renee Satchwell).
 8.14: Violin—Mrs. Greenfield, "Rondo" (Mozart-Kreisler).
 8.20: Sketch—Mesdames Victor Macky, Culford Bell and Partner, "The Pimple" (Macky).
 8.30: Piano duet—Mesdames Herbert Bloy and Robert Neil, "Capriccio Brilliant" (Mendelssohn).
 8.40: Mezzo-soprano—Miss Molly Atkinson, (a) "Fair Rose"; (b) "You Did Not Know" (Brett).
 8.47: Viola—Miss Amy Stephenson, (a) "Air" (Tenaglia); (b) "Courante."
 8.53: Intermezzo—Berlin State Opera House Orchestra, Intermezzo, "Waltz Scene" (Strauss) (Parlo. A4281).
 9.1: Evening weather forecast and station notices.
 9.3: Vocal trio—Misses Atkinson, Hansard and Walker, (a) "Orpheus With His Lute"; (b) "The Singer" (Button).
 9.8: Organ—Charles Saxby, (a) "Les Millions D'Arlequin" (Drigo); (b) "Spring Song"; (c) "The Bee's Wedding" (Mendelssohn).
 9.12: Violin—Mrs. I. Greenfield, (a) "Variations on Theme by Corelli" (Tartini-Kreisler); (b) "Zingaresha" (Ellerton).
 9.17: Sketch—Mrs. Culford Bell and Partner, "Kiddle" (Routledge).
 9.27: Piano—Mrs. Robert Neil, "Ancient Irish Airs."

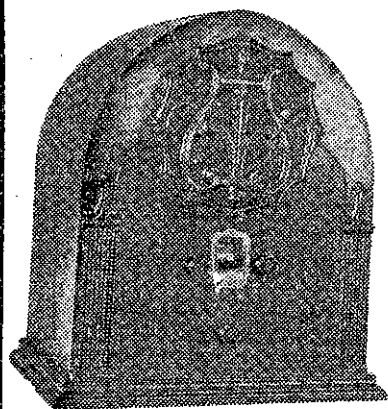
- 9.37: Balalaika—The Balalaika Orchestra, (a) "Kasbek"; (b) "Das Bach-lein" (Trdtl.) (Poly. 20586).
 9.41: Contralto—Miss Ida Walker, (a) "Recompense"; (b) "Maori Canoe."
 9.48: Viola—Miss Amy Stephenson, "Canzone" (Bruch).
 9.54: Male quartet—Quartet with Jager Orchestra, "Lustig Ist Die Jagerel" Potpourri (arr. Snaga) (Poly. 23169).
 10.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, SEPTEMBER 23

- 10.0: Chimes. Selected recordings.
 11.37: Lecturette—"Hollywood Affairs."
 12.0: Lunch hour music.
 2.0: Selected recordings.
 3.15: Lecturette—Miss Ruth Hay, "Bodily Development."
 3.30 and 4.30: Sporting results to hand.
 5.0: Children's hour, conducted by Aunt Daisy.
 6.0: Dinner music session (Parlophone)—
 Berlin State Opera House Orchestra, "The Magic Flute" Overture.
 Orchestra Mascotte with Dajos Bela, "Whispering of the Flowers."
 Grand Symphony Orchestra, "Chinese Street Serenade" (Siede) (A4159); "Midsummer Night's Dream" Scherzo (Mendelssohn) (A4084); "Japanese Lantern Dance" (Yoshitomo) (A4159).
 Dajos Bela Orchestra, "The Court Ball" (Lanner) (A4172).
 Grand Symphony Orchestra, "The Jewels of the Madonna" (Wolf-Ferrari): (a) Intermezzo; (b) Apache Dance (A3171).
 Orchestra Mascotte with Dajos Bela, "The Flowers' Dream."
 Dajos Bela Orchestra, "The Three Waltz Kings—Viennese Waltz Fantasia" (Strauss and Sons) (A4217).
 Grand Symphony Orchestra, "Midsummer Night's Dream—Wedding March" (Mendelssohn) (A4084).
 Dajos Bela Orchestra, "Woodland Peace" (Favilla) (A4172).
 Edith Lorand's Orchestra, "Norma" Fantasia (Bellini) (A4011).
 7.0: News, market reports and sports results.
 7.40: Lecturette—Mr. G. Girling Butcher, Inspector of Fire Brigades, "Dominion Fire Wastage and a Fire Prevention Drive."
 8.0: Chimes. Specially Recorded International Programme.
 Vitaphone Orchestra.
 The Mirth Quakers.
 Weather report.
 International talk—Dr. Guy H. Scholefield, O.B.E.
 The Flying Song Squadron.
 The Old Whittler.
 Whispers.
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, SEPT. 23.

- 3.0: Gramophone recital.
 4.25: Sports results.
 5.0: Children's hour, conducted by Uncle John and Cousin Beatrice.
 6.0: Dinner music session (Columbia)—
 J. H. Squire's Celeste Octet, "The Fly's Courtship" (Squire) (DO308).
 B.B.C. Wireless Military Band, "Dance of the Tumbler."
 Organ—Terence Casey, "I'm Lonely" (Coates) (01501).
 Halle Orchestra, "Capriccio Espagnole" (Rimsky-Korsakov).
 Columbia Symphony Orchestra, "Idilio" (Lack) (01076).
 Ketelbey's Concert Orchestra, "Cockney Suite": (1) A State Procession; (2) The Cockney Lover (Ketelbey) (05052).
 Debroy Somers Band, "Hungarian Medley" (arr. Somers) (01862).
 B.B.C. Wireless Military Band, "Golliwog's Cake Walk" (Debussy).
 Organ—Terence Casey, "Bird Songs at Eventide" (Coates) (01501).
 J. H. Squire's Celeste Octet, "The Ants' Antics" (Squire) (DO308).
 Ketelbey's Concert Orchestra, "Cockney Suite": (3) At the Palace de Dance; (4) Elegy; (5) Bank Holiday (Ketelbey) (05053/4).
 Columbia Symphony Orchestra, "Spring Song" (Mendelssohn) (01076).
 7.0: News session.
 7.30: Addington stock market reports.
 8.0: Chimes. Overture—Paul Godwin's Orchestra, "Laustspiel."
 8.4: Baritone—Mr. Philip Wynne-Yorke, "When the House is Asleep."
 Mezzo-soprano and baritone—Miss Millicent Jennings and Mr. P. Wynne York, "The Dream Minuet" (Beethoven, arr. Bateman).
 8.8: Piano—Miss Eileen D. Hughson, "La Cathedrale Engloutie."
 8.11: Soprano—Miss Gladys Brooks, with octet accompaniment, "Oh, Had I Juba's Lyre" (from "Joshua") (Handel).
 8.16: Suite—Studio Octet, "Nutcracker Suite" (Tchaikowsky): (a) Overture Miniature; (b) Dance of the Sugar Plum Fairy; (c) Trepak.
 8.22: Mezzo-soprano—Miss Millicent Jennings, "Hayfields and Butterflies."
 Mezzo-soprano and baritone—Miss Millicent Jennings and Mr. P. Wynne York, Song from "Ruy Blas" (Mendelssohn).
 8.25: Piano—Miss Eileen D. Hughson, "Etude" (En Forme de Valse).
 8.33: Soprano—Miss Gladys Brooks, with octet accompaniment, (a) "Songs My Mother Taught Me" (Dvorak); (b) "The Dream of Home" (from "Il Bacio") (Arditi).
 8.40: Violin with orchestra—Miss Thelma Cusack, "Concerto" (Accolay).
 8.50: Mezzo-soprano—Miss Millicent Jennings, (a) "Twas in a Land"; (b) "Haymakers' Dance" (Chaminade).
 Baritone—Mr. Philip Wynne-Yorke, (a) "Colette" (Harrhy); (b) "Thinking of Mary" (Sterndale Bennett).
 Mezzo-soprano and baritone—Miss M. Jennings and Mr. P. Wynne-Yorke, "Yo Te Amo" (Whiting).
 9.0: Weather forecast and station notices.



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SUPER-HETERODYNE

Mantel Receiver

- 9.2 : Selection—Dajos Bela Orchestra, "Narcissus" (Nevin) (Parlo. A4032).
 9.6 : Talk—Mr. George Armstrong, Mayor of Akaroa, "Akaroa, Yesterday and To-day."
 9.21 : Selection—Studio Octet, "Cavalleria Rusticana" (Mascagni).
 9.34 : Dance music (Columbia and Regal)—
 Foxtrots—Paul Specht and His Orchestra, "I Bring a Love Song" (Romberg) (DO298). Fred Rich and His Orchestra, "I'm the Last One Left on the Corner" (Whitehouse) (G21064). Ted Lewis and His Band, "Sobbin' Blues" (Kassel) (DO273).
 9.42 : Waltzes—Debroy Somers Band, "When It's Sunset on the Nile" (Kennedy) (DO417). "Girl of a Million Dreams" (Gilbert) (DO404). Foxtrot—Leo Reisman and His Orchestra, "The Three Musketeers March" (Friml) (DO384).
 9.52 : Vocal—The Trix Sisters, "I'm Crazy Over You" (Sherman) (01484).
 9.55 : Foxtrots—Lloyd Keating and His Music, "Baby's Birthday Party" (Ronell) (Reg. G20954). Billy Cotton and His Band, "Walkin' My Baby Back Home" (Turk) (DO416). Van Phillips and His Band, "Oh! Donna Clara" (Petersburgski) (DO293). Denza Dance Band, "Cupid on the Cake" (Reaves) (G20954).
 10.7 : Waltzes—Jack Payne and His B.B.C. Dance Orchestra, "Falling in Love Again" (Hollander) (DO293). Rudy Marlow and His Orchestra, "I'm Alone Because I Love You" (Young) (Reg. G20955).
 10.18 : Foxtrots—Debroy Somers Band, "The One Man Band" (Weems) (DO403). Jack Payne and His B.B.C. Dance Orchestra, "Good-night Sweetheart" (Noble) (DO404). Billy Cotton and His Band, "Egyptian-ella" (Doyle) (DO403).
 10.22 : Vocal—Walter Kingsley, "That's When You Need a Friend."
 10.25 : Foxtrots—Debroy Somers Band, "She's Not Worth Your Tears" (Warren) (DO417). Smith Ballew and His Orchestra, "Say a Little Prayer For Me" (Nicholls) (G21083).
 10.31 : Waltzes—Paul Specht and His Orchestra, "Then You'll Remember" (Romberg) (DO298). Chester Leighton and His Sophomores, "Ukulele Moon" (Davis) (G20920).
 Foxtrot—Billy Cotton and His Band, "Hello Beautiful" (Donaldson).
 10.40 : Vocal—The Trix Sisters, "My Rock a Bye Baby" (Leslie) (01484).
 10.43 : Foxtrots—The Melodiers, "If You Should Ever Need Me" (Burke) (G21067). Fred Rich and His Orchestra, "Got the Bench, Got the Park" (Lewis) (G21064). Frank Auburn and His Orchestra, "The Little Things in Life" (Berlin) (G20955). The Melodiers, "That Little Boy of Mine" (Meroff) (G21067).
 10.55 : Foxtrots—Leo Reisman and His Orchestra, "Ma Belle" ("The Three Musketeers") (Friml) (DO384). Jack Albin and Hotel Pennsylvania Music, "I Miss a Little Miss" (Seymour) (G20920). Jack Payne and His B.B.C. Dance Orchestra, "The Sleepy Town Express" (Gillespie) (DO416).
 11.4 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, SEPTEMBER 23.

- 3.0 : Selected recordings.
 3.15 : Talk by the Home Science Extension Department of Otago University, "Delicious Drinks Made in the Home."
 5.0 : Children's hour, conducted by Big Brother Bill.
 6.0 : Dinner music session (H.M.V.)—
 National Symphony Orchestra, "Irish Rhapsody" (Herbert).
 National Military Band, "Ballet Egyptian" (Luigini) (Zono. A354).
 Trio—Fritz and Hugo Kreisler, Michael Rauchschausen, "Sanctissima."
 New Light Symphony Orchestra, "Scene de Ballet Marionettes."
 Organ—Reginald Foort, "The Riff Song" (Romberg) (B2463).
 H.M. Coldstream Guards Band, "The Geisha" Selection (Jones).
 La Scala Orchestra, "The Secret of Susanna" Overture (Wolf-Ferrari).
 International Novelty Quartet, "The Veleta" (Morris) (Zono. 5587).
 New Light Symphony Orchestra, "Persiflage" (Francis) (B2754).
 Trio—Fritz and Hugo Kreisler, Michael Rauchschausen, "Arlesienne Intermezzo" (Bizet—arr. Kreisler) (DB1166).
 National Symphony Orchestra, "Norma" Overture (Bellini).
 Organ—Reginald Foort, "The Desert Song" (Romberg) (B2463).
 H.M. Coldstream Guards Band, "The Belle of New York" Selection.
 International Novelty Quartet, "Merry Widow Waltz" (Lehar).
 7.0 : News session.
 7.15 : Talk—Mr. T. A. Sellwood, "Linsced Growing" (under auspices of 4YA Primary Productions Committee).
 8.0 : Chimes. Studio presentation of Balfe's Charming Opera, "The Bohemian Girl" (Balfe) (words by Alfred Bunn), by John T. Leech's "Minnesingers." With orchestra and chorus.
 Overture—The Orchestra, "Overture."
 Introduction and chorus—The Minnesingers, "Up With the Banner"; "In the Gipsy's Life."
 Scene—Mortley Peake and Jas. Ferguson, "Devilshoof and Thaddeus Duet."
 Selections—The Orchestra, "Waltz and Galop."
 Bass-baritone and chorus—Mr. Wm. Ruffell, "What Sounds Break on the Ear?"
 Chorus—"Silence."
 Soprano—Miss Anne White, "I Dreamt That I Dwelt."
 Duet—Miss Anne White and Jas. Ferguson, "The Wound Upon Thine Arm."
 Recit.—Miss Noni Davidson, with Chorus, "Listen While I Relate."
 Contralto—Miss Maude Kenward, "Love Smiles but to Deceive."
 Quartet and chorus—"From the Valleys."
 Duet—Miss Noni Davidson and Mr. Mortley Peake, "This is Thy Deed."
 9.0 : Weather report and station notices.

- Soprano and chorus—Miss Anne White, "Come with the Gipsy Bride."
 Recit. and air—Mr. William Ruffell, "The Heart Bow'd Down."
 Chorus—Minnesingers, "Finale to Act 2."
 Tenor—Mr. John T. Leech, "When Other Lips."
 Trio—Miss Anne White, Mr. J. Ferguson and Mr. T. D. White, "Through the World Will Fly."
 Air—Mr. James Simpson, "The Fair Land of Poland."
 Finale to Act 3.
 Solo—Miss Anne White, with chorus, "Oh, What Full Delight."
 9.30 : Dance session (Brunswick)—
 Foxtrots—Colonial Club Orchestra, "Sing-Song Girl" (McCarthy) (4974). Earl Burnett's Orchestra, "Imagine" (Burnett) (41304). Jacques Renard and His Orchestra, "Heartaches" (Klennner) (6033). Tom Gerun and His Orchestra, "Nine Little Miles From Ten-Ten-Tennessee" (Sherwin) (4999); "I'm Happy When You're Happy" (Davis) (6057).
 9.45 : Vocal—Dick Robertson, "One Little Raindrop" (Richman).
 9.48 : Foxtrots—Abe Lyman and His California Orchestra, "Golden Sands" (Greer) (Bruns. 4912). Lloyd Huntley and His Orchestra, "Wond'ring" (Sherman) (4974). Hal Kemp and His Orchestra, "Think a Little Kindly of Me" (Johnson) (6056).
 Waltz—Bob Haring and His Orchestra, "One Love" (Koehler) (6031).
 10.0 : Foxtrots—Abe Lyman and His California Orchestra, "Old-Fashioned Girl" (De Sylva) (4924). Nick Lucas and His Crooning Troubadours, "Walkin' My Baby Back Home" (Turk) (6059). Ben Bernie and His Orchestra, "Love Comes in the Moonlight" (Dubin) (4850).
 10.9 : Vocal—The Two Gilberts, "We're All Happy" (Leslie) (Reg. G20809).
 10.12 : Foxtrots—Ben Bernie and His Orchestra, "You're Just a Lover" (Egan) (6057). Jesse Stafford and His Orchestra, "Building a Home for You" (Kahn) (41334). Earl Burnett and His Biltmore Hotel Orchestra, "To Make a Long Story Short" (Gay) (6034). Ben Bernie and His Orchestra, "Au Revoir, Pleasant Dreams" (Meskill) (41304). Brunswick Hour Orchestra, "By the River Sainte Marie" (Leslie) (6066). Bob Haring and His Orchestra, "Two Hearts in Waltz Time" (Stolz) (6031).
 10.30 : Foxtrots—Abe Lyman and His California Orchestra, "Never Swat a Fly" (De Sylva) (4924). Emil Coleman and His Orchestra, "Elizabeth" (Caesar) (6082). Ben Bernie and His Orchestra, "Highway to Heaven" (Dubin) (4850).
 10.39 : Vocal—Dick Robertson, "Got the Bench—Got the Park" (Lewis).
 10.42 : Foxtrots—Hal Kemp and His Orchestra, "I Want You For Myself" (Berlin) (6056). Earl Burnett and His Biltmore Hotel Orchestra, "I Found What I Wanted in You" (Endor) (6059).
 Waltzes—Castlewood Marimba Band, "Blue Pacific Moonlight" (Herbert) (6033). Brunswick Hour Orchestra, "Under a Roof in Paree."
 10.54 : Foxtrots—Tom Gerun and His Orchestra, "What Good Am I Without You?" (Ager) (4999). Earl Burnett and His Biltmore Hotel Orchestra, "I Surrender, Dear" (Clifford) (6034).
 11.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—WEDNESDAY, SEPT. 23.

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

Thursday, September 24

1YA, AUCKLAND (875 KILOCYCLES)—THURSDAY, SEPTEMBER 24.

- 3.0 : Chimes.—Selected recordings.
 3.15 : Talk—"How to Conduct a Business Meeting." Prepared by the Home Science Extension Service of Otago University.
 5.0 : Children's session, conducted by Skipper.
 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 Dances Nos. 8 and 16" (Dvorak) (A4171).
 Dajos Bela Orchestra, "Gipsy Love" Waltz (Lehar) (A4080).
 Berlin State Opera Orchestra, "La Traviata" Prelude (Verdi) (A4146).
 Dajos Bela Orchestra, "Voices of Spring" (Strauss) (A4095).
 Sandor Joszi Orchestra, "An Eastern Wedding" (Prychistal) (A3027).
 7.0 : News and market reports.
 7.40 : Talk (under the auspices of the Auckland Manufacturers' Association)—
 "Aerated and Mineral Waters," by Mr. A. G. Menzies.
 8.0 : Chimes. Relay from the Auckland Town Hall of the Bohemian Orchestra's concert (conducted by Mr. Colin Muston, L.R.A.M.).
 Orchestral—The Orchestra, "Prelude to Third Act of 'Lohengrin'" (Wagner); overture, "Bartered Bride" (Smetana).
 Choral—St. Cuthbert's Girls' Choir, selected.
 Orchestral—The Orchestra, "Symphony No. 7, Allegretto Movement" (Beethoven).
 Violin concerto—Mr. Frank Parsons, "Andante and Finale" (Mendelssohn).
 Orchestral—The Orchestra, "Midsummer Night's Dream Music" (Mendelssohn); overture, Scherzo, Nocturne, March.

Choral—St. Cuthbert's Girls' Choir, selected.
Orchestral Suite—The Orchestra, "L'Arlesienne" (Bizet).

- 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, "Pepita" (Mascheroni) (Zono. EE211); Bernie Cummins and His New Yorkers Hotel Orchestra, "Livin' in the Sunlight—Lovin' in the Moonlight" (Sherman) (EA761); The Rhythmic Eight, "Figaro" (Mitchell) (Zono. EE211).
- 10.12: Waltz—Jean Goldkette and His Orchestra, "Can You Blame Me?"
Foxtrots—Henry Busse and His Orchestra, "I Came to You" (Conrad) (EA700); Gus Arnheim and His Orchestra, "I'm Feathering a Nest" (Yellen) (EA745).
- 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).
- 10.36: Foxtrots—Nat Shilkret and His Orchestra, "Congratulations" (Pinkard) (EA737); New Mayfair Dance Orchestra, "Cuckoo in the Clock" (Collins) (B5808); George Olsen and His Music, "The Moon is Low" (Freed) (EA737).
- 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) (EA777); 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.

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, SEPTEMBER 24.

- 10.0 : Chimes. Selected recordings.
- 10.45: Lecturette—"Cooking."
- 11.37: Lecturette—"Care of the Feet," under the auspices of the Health Department.
- 12.0 : Lunch-hour music—
2.0 : Selected recordings.
- 3.15: Lecturette—Miss I. F. Meadows, "How to Conduct a Business Meeting." Talk prepared by the Home Science Extension Department of the Otago University.
- 3.30 and 4.30: Sporting results to hand.
- 5.0 : Children's hour, conducted by Uncle George and Big Brother Jack.
- 6.0 : Dinner music session (H.M.V.)—
Cedric Sharpe Sextet, "O, Lovely Night" (Ronald) (B3429).
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" (B2713).
Organ—Jesse Crawford, "I'll Close My Eyes to the Rest of the World."
Kirilloff's Balalaika Orchestra, "Medley of Old-Time Songs" (Zono).
The Palladium Orchestra, "La Siesta" Barcarolle (Norton).
De Groot Trio, "Paraphrase of Strauss Waltzes" (arr. De Groot).
Marek Weber and His Orchestra, "Amorettenanze" Waltz (Gungl).
Cedric Sharpe Sextet, "Chanson Napolitaine" (D'Ambrosio) (B3429).
De Groot and His Piccadilly Orchestra, "Lolita" (Ferrete) (B2713).
The Palladium Orchestra, "The Grasshoppers' Dance" (Bucalossi).
Organ—Jesse Crawford, "How Am I to Know?" (King) (EA699).
The Rhythmic Eight, "Neapolitan Nights" (Zamecnik) (EE106).
- 7.0 : News, market reports and sports results.
- 7.40: Lecturette—Mr. Johannes Andersen, Librarian of Turnbull Library, "Maori Folk Lore."
- 8.0 : Chimes. Selection, New Light Symphony Orchestra, "Madam Butterfly" (Puccini) (H.M.V. C1429).
"Mystery play in three acts, 'The White Owl,' by Dr. George de Clive Lowe. Produced by Mr. Victor S. Lloyd.
Act I.—Scene 1: The Drawing-room of 'The Priory,' the home of Vosper Edgeworth in Hampshire. Time, 9 p.m.
Entr'acte—Paul Godwin's Orchestra, "Spring's Awakening" (Bach).
Act II.—Scene 2: The same as Act I. Two hours later.
Entr'acte—Paul Godwin's Orchestra, "Mignon" Gavotte (Thomas).
Act III.—Scene 3: The same as Act I. Shortly after 9 p.m. six days later.
March—Paul Godwin's Orchestra, "Egyptian" (Strauss) (Poly. 19647).
Cast—Vosper Edgeworth, Mr. E. R. Render; Sophie Edgeworth (his sister), Miss Elsie Lloyd; Rose (Vosper's daughter), Miss Marjory Murray; Cedric Meadows (Vosper's nephew), Mr. H. A. Painter; Professor Buckley, Mr. Theo. E. Lloyd; Detective Roberts, Mr. Owen Pritchard; Stevens (the butler), Mr. L. D. Webster; Eliza (housemaid), Miss Susie Painter; also P.C. O'Brien, Mrs. O'Toole (cook), Bentley (chauffeur).
- 10.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, SEPT. 24.

- 3.0 : Gramophone recital.
- 3.15: Lecturette—"How to Conduct a Business Meeting." Talk prepared by the Home Science Extension Service, Otago University.
- 3.30: Gramophone recital continued.
- 4.25: Sports results.
- 5.0 : Children's hour, conducted by Ladybird and Uncle Frank.
- 6.0 : Dinner music session (Polydor)—
Great Symphony Orchestra, "Countess Mariza" Medley (Kalman).

- Paul Godwin's Quartet, "Octobre" (Tschalkowsky) (19437); "Serenade des Mandolines" (Desormes) (19531).
- Paul Godwin's Orchestra, "The Bird-Seller" (Zeller) (19288).
- Paul Godwin's Quartet, "Un Peu d'Amour" (Silesu) (21703); "Serenata d'Amalfi" (Bece) (21703).
- Polydor Orchestra, "Aus Winkeln und Gassen" (Hannemann) (21989).
- Paul Godwin's Quartet, "Intermezzo Russe" (Franke) (19457).
- Paul Godwin's Trio, "La Lettre de Manon" (Gillet) (19531).
- Illa Livschakoff Orchestra, "The Land of Smiles" (Lehar) (27196).
- 7.0 : News session.
- 7.30: Dialogue—Messrs. B. G. Goodwin and J. D. Carolin (Orchard Instructors, Department of Agriculture), "Seasonal Orchard Work."
- 7.40: Talk—Mr. Calder Mackay, "The Kindergarten Movement."
- 8.0 : Chimes. Specially-recorded International Programme:
Dr. Eugene Ormandy and His Salon Orchestra.
The International Singers.
Abroad with the Lockharts.
Weather forecast and station notices.
International talk—Mr. Norton Francis, "Agricultural Research."
Ambassadors of Melodyland.
Hywide and Handsome.
Nat Brusiloff and His Lido Venice Orchestra.
God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, SEPTEMBER 24.

SILENT DAY.

Friday, September 25

1YA, AUCKLAND (875 KILOCYCLES)—FRIDAY, SEPTEMBER 25.

- 3.0 : Selected recordings.
- 3.15: Literary selection.
- 5.0 : Children's session, conducted by Nod and Aunt Jean.
- 6.0 : Dinner music session (H.M.V.)—
Philadelphia Symphony Orchestra, "Damnation of Faust" Marche Hongroise (Berlioz) (ED7).
New Light Symphony Orchestra, "The Waltzing Doll" (Poldini).
International Novelty Quartet, "Teddy Bears' Picnic" (Bratton).
New Mayfair Orchestra, "Wake Up and Dream" Selections (Porter).
Organ—Edward O'Henry, "Just as We Used to Do" (Rulli) (B3428).
Salon Orchestra, "Chanson Boheme" (Baldi) (B2581).
Marimba Band, "Morales Lopez" (Bolanos) (Zono. EE207).
De Groot's Piccadilly Orchestra, "Friend o' Mine" (Sanderson).
International Novelty Quartet, "The Skaters" (Waldteufel).
National Military Band, "Lohengrin" Prelude (Wagner) (Zono. A358).
Berlin State Opera Orchestra, "Der Rosenkavalier" Waltz (Strauss).
New Light Symphony Orchestra, "At Dawning" (Cadman) (B2629).
Philadelphia Symphony Orchestra, "Samson and Delilah" Bacchanale.
Salon Orchestra, "Aloha Sunset Land" (Kawelo) (B2581).
Marimba Band, "Agua Dormides" (Bolanos) (Zono. EE207).
Organ—Edward O'Henry, "Dream Lover" (Schertzing) (B3428).
De Groot's Piccadilly Orchestra, "None but the Weary Heart" (B2857).
- 7.0 : News and market reports.
- 7.40: Talk—"Sports."
- 8.0 : Chimes. Overture—Light Symphony Orchestra, "Merry Wives of Windsor" (Nicolai) (H.M.V. C1260).
- 8.9 : Contralto—Miss Doris Moore, (a) "Shadow March" (Del Riego); (b) "The Grey Hills of Somerset" (Coates).
- 8.15: March—Salon Orchestra (under direction of Harold Baxter), "Dunkirk" (Lottor); overture, "Life's Laughter" (Rust); morceau, "Hymn to the Sun" (Rimsky-Korsakov).
- 8.30: Orchestral—Dajos Bela String Orchestra, "The Herd Girl's Dream."
- 8.34: Entertainers—The Asquiths, "Twenty-Minute Drawing-room Entertainment."
- 8.54: Intermezzo—Salon Orchestra, "Wedgwood Blue" (Ketelbey); dance, "Dance of the Apprentices" (Wagner).
- 9.2 : Evening weather forecast and announcements.
- 9.4 : Piano—Miss Lily Cabaret, (a) "Rustle of Spring" (Sinding); (b) "A May Night" (Palmgren).
- 9.10: Orchestral—Dajos Bela String Orchestra, "Wedding Serenade" (Klose).
- 9.14: Accordion—Bastien with His Orchestra, (a) "Sugared Almond" (Bastien); (b) "Smash" (Pegure) (Poly. 23617).
- 9.20: Suite—Salon Orchestra, "Scenes Pittoresques" (Massenet).
- 9.30: Contralto—Miss Doris Moore, (a) "When I'm a Grown-Up Lady" (Fisher); (b) "Thinking of Thee" (Roma).
- 9.36: Choir—The Sieber Choir, "Tales from the Vienna Woods" (Strauss).
- 9.44: Patrol—Salon Orchestra, "Phantom Brigade" (Myddleton); selection, "Iolanthe" (Sullivan); medley, "Russian Medley" (Geiger).
- 10.3 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, SEPTEMBER 25.

- 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 hour, conducted by Uncle Jim.

6.0 : Dinner music session (Polydor)—

- Paul Godwin's Dance Orchestra, "The World's Best Waltzes" Medley.
 Ilja Livschakoff's Orchestra, "Fiddler, Where is Your Home?" (Stolz).
 Vienna Schrammel Quartet, "Serenade" (Heykens) (21919).
 Paul Godwin's Orchestra, "Marche Grotesque" (Sinding) (22900).
 Ilja Livschakoff's Dance Orchestra, "Roses of the South" (Strauss).
 Organ—H. Wood, "Songs My Mother Taught Me" (Dvorak) (23304).
 Orchestra Mascotte, "Amoureuse" Waltz (Berger) (Parlo. A3135).
 Paul Godwin's Orchestra, "The Clock and the Dresden Figures."
 Ilja Livschakoff's Orchestra, "Hungarian Medley" (Leopold) (23539).
 Vienna Schrammel Quartet, "Silk and Velvet" (Ziehrer) (21919).
 Paul Godwin's Orchestra, "Joy Bells" (Blaauw) (22900).
 Organ—H. Wood, (a) "Song Without Words" (Mendelssohn); (b) "Adagio from 'L'Arlesienne'" (Bizet) (23304).
 Ilja Livschakoff's Dance Orchestra, "Blue Danube" (Strauss) (23626).
 Dajos Bela Orchestra, "The Grenadiers" Waltz (Waldteufel).
 La Argentina, Castanets with Orchestra, "Dance No. 5" (Granados).
 Paul Godwin's Orchestra, "The Cathedral Bells" (Becker) (23568).

7.0 : News, market reports and sports results.

- 8.0 : Chimes.** Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "La Buresque" (Suppe).
8.8 : Tenor—Mr. Noho Toki, (a) "Manuka," (b) "Little Greenstone Tikl."
8.14 : Novelty duo—Messrs. S. Williamson and T. Guntrip: banjo, "Tune Tonic" (Grimshaw); piano, "Body and Soul" (Green); duo, "Medley of Dance Numbers" (arr. Guntrip and Williamson).
8.23 : Mezzo-contralto—Mrs. W. J. Coventry, (a) "O, Thank Me Not" (Malinson); (b) "In Haven" (Elgar).
8.29 : Selection—2YA Orchestra, "Sometime" (Trimpl).
8.39 : Sketch—Miss Gracie Kerr and Mr. James Cooke, "For the Defendant With Costs" (F. B. Baily).
8.51 : Novelty duo—Messrs. S. Williamson and T. Guntrip, "Bluin' the Black Keys" (Schutt); "Medley of Dance Numbers."
9.0 : Evening weather report and station notices.
9.2 : Fantasia—2YA Orchestra, "Lilting Lucia" (arr. Black); intermezzo, "French Spirit" (Waldteufel).
9.10 : Mezzo-contralto—Mrs. W. J. Coventry, "The Arrow and the Song."
9.14 : Sketch—Miss Gracie Kerr and Mr. James Cooke, "Just Like a Woman."
9.18 : Tenor—Mr. Noho Toki, with orchestral accompaniment (a) "I Hear You Calling Me" (Marshall); (b) "One Heart Divine" (Rosewig).
9.23 : Waltz—2YA Orchestra, "Santiago" (Corbin).
9.30 : Dance programme—
 Foxtrots—Milt Shaw and His Detroiters, "Walkin' My Baby Back Home" (Turk) (Pana. P12098). Sleepy Hall and His Collegians, "On a Little Balcony in Spain" (Klein) (P12009). Benny Goodman and His Orchestra, "When Your Lover Has Gone" (Swan).
9.39 : Waltz—Paul Godwin's Dance Orchestra, "Strolling With You Through the Spring" (Rotter) (Poly. 23946).
 Foxtrots—Paul Godwin's Dance Orchestra, "I Know That Once You'll Forget" (May) (23942). Will Osborne and His Orchestra, "Hello, Beautiful" (Donaldson) (Pana. P12098).
9.48 : Vocal—Alfred O'Shea, "Love, Here is My Heart" (Ross) (Col. 01605).
9.51 : Foxtrots—Paul Godwin's Dance Orchestra, "Catch Me, My Darling, Catch Me" (Karlick) (Poly. 23963); "When Are You Mine?" (May) (23947); "Letters From Your Girl" (Amberg) (23963).
10.0 : Tango—Paul Godwin's Dance Orchestra, "My Heart is a Saloon" (May).
 Foxtrots—Ilja Livschakoff's Dance Orchestra, "Oh, Dorothy, When You I See" (Stolz) (23931). The Travellers, "I've Got a Sweet Somebody to Love Me" (Handman) (Pana. P12148).
10.9 : Vocal—Ray Raymond, "And Then Your Lips Met Mine" (Nelson).
10.12 : Foxtrots—Ilja Livschakoff's Dance Orchestra, "Three Little Things I Desire" (Stolz) (23931). The Travellers, "Dream a Little Dream of Me" (Kahn) (Pana. P12148). Milt Shaw and His Detroiters, "My Love For You" (Kahn) (P12006).
10.21 : Tango—Paul Godwin's Dance Orchestra, "Don't Be Sad" (Cowler).
 Foxtrots—Milt Shaw and His Detroiters, "It's an Old Spanish Custom" (Leslie) (Pana. P12009). White Coons Orchestra, "Live and Love To-day" (Janis) (Pana. P11992).
10.30 : Waltzes—Sleepy Hall and His Collegians, "Ukulele Moon" (Davis) (P12006). Mark Fisher and His Orchestra, "Gee! I'd Love to be Your Sweetheart" (Tobias) (P12111).
10.36 : Vocal—Alfred O'Shea, "Just a Little Love, a Little Kiss" (Silesu).
10.39 : Foxtrots—Sleepy Hall and His Collegians, "It Must Be True" (Clifford) (Pana. P12066). Don Bigelow and His Orchestra, "Were You Sincere?" (Meskill) (P12131); "Just a Gigolo" (Caesar).
10.48 : Waltzes—White Coons Orchestra, "This is Love" (Grey) (P12019). Mark Fisher's Orchestra, "You Will Remember Vienna" (Romberg).
 Foxtrots—Don Bigelow and His Orchestra, "Think a Little Kindly of Me" (Johnson) (P12131). Mark Fisher's Orchestra, "I Bring a Love Song" (Romberg) (P12019).
11.0 : God save the King.

2YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, SEPTEMBER 25.

- 3.0 : Gramophone recital.**
4.25 : Sports results.
5.0 : Children's hour, conducted by Aunt Pat and Chuckle.
6.0 : Dinner music session (H.M.V.)—
 National Symphony Orchestra, "Stradella" Overture (Flotow).
 Royal Opera Orchestra, "Faust" Ballet Music, 1st to 4th Movements (Gounod) (C1462); "The Sleeping Beauty" (Tschalkowsky).
 National Symphony Orchestra, "Caucasian Sketches": (1) In the Mountain Pass (Ippolitoff-Iwanoff) (Zono. EF36).

- Organ duet—Mr. and Mrs. Jesse Crawford, "The Moonlight Reminds Me of You" (Kahn) (EA763).
 Victor Oloff Sextet, "Cherry Ripe" (Scott) (B2697).
 San Francisco Symphony Orchestra, "Rosamunde Entr'acte."
 Royal Opera Orchestra, "Prelude the Huntress" from "Sylvia Ballet."
 Reginald King and His Orchestra, "Song O' My Heart" Selection.
 Royal Opera Orchestra, "Faust" Ballet Music, 5th to 7th Movements (Gounod) (C1463); "Shepherd Fennel's Dance."

7.0 : News session.

- 7.30 : Dialogue—Messrs. D. Cossgrove and W. Melbourne,** "Radio Service."
8.0 : Chimes. Selection—Paul Godwin's Dance Orchestra, "From Heidelberg to Barcelona" (Bochert) (Poly. 19621).
8.8 : Male quartets—The Lichfields, (a) "Spin Spin" (Jungst); (b) "Bird Songs at Eventide" (Coates).
8.14 : Marches—Studio Octet (Conductor, Harold Beck), (a) "New Colonial March" (Hall); (b) "Jolly Robbers" Overture (Suppe).
8.23 : Prologue—"Sailors' Superstitions" (Lampen).
 Sketch—"The Signal" (Landon). Scene—The Bridge of a Merchant Steamer. Locality—The English Channel (in a fog). Time—A Night and Dawn in 1917. Characters—The Captain, the Mate, the Wireless Operator, the Pilot.
8.48 : Orchestral—Studio Octet, (a) "Forty-seven Ginger-headed Sailors" (Sarony); (b) "South Sea Rose" (Gilbert and Baer).
8.52 : Bass—Mr. W. Cotton, "Five and Twenty Sailormen."
8.56 : Male quartets—The Lichfields, (a) "Come Boys, Drink" (Marchner); (b) "The Frog" (Newton).
9.2 : Evening weather forecast and station notices.
9.4 : Orchestral—Studio Octet, "Katinka" (Trimpl).
9.17 : Tenor—Mr. W. J. Francis, with octet accompaniment, "Love is Mine."
9.20 : Orchestral—Studio Octet, (a) "The Clock is Playing" (Blaauw); (b) "Valse Blue" (Margis).
9.30 : Gramophone Lecture Recital by Mr. Karl Atkinson, "A Genial Genius."
10.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, SEPTEMBER 25.

- 3.0 : Selected recordings.**
5.0 : Children's hour, conducted by Aunt Sheila.
6.0 : Dinner music session (Polydor)—
 Paul Godwin's Orchestra, "From Heidelberg to Barcelona" (Borchert).
 Paul Godwin's Quintet, "Minuetto" (Bolzoni) (19929).
 Paul Godwin's Orchestra, "Hearts and Flowers" (Tobani) (19932).
 Marek Weber and His Hotel Adlon Orchestra, "Under the Old Lime Tree" (Felix) (20456).
 Paul Godwin and Kunster Ensemble, "Potpourri of German Folk Songs" (arr. Hannemann) (19425).
 Paul Godwin's Quintet, "Dolls' Minuet" (Blon) (19929).
 Paul Godwin's Orchestra, "The Merry Peasant" (Fall-Leon) (19603).
 Marek Weber and His Hotel Adlon Orchestra, "Extase" (Ganne).
 Paul Godwin's Orchestra, "Sleeping Beauty's Bridal Trip" (Rhode) (19932); "The Count of Luxembourg" (Lehar) (19624).
7.0 : News session.
8.0 : Chimes. Selection—Grand Symphony Orchestra, "Jolly Robbers."
8.9 : Bass-baritone—Mr. C. A. McDowell, (a) "The Ragged Vagabond" (Randolph); (b) "Big Ben" (Pontel).
8.15 : Organ and piano—Arthur Meale and A. Neville Taylor, "Glockenspielen" (Meale) (H.M.V. B3097).
8.18 : Humour—Mr. Lester F. Moller, "Knowledge Hints to Parents."
8.24 : Novelty trio—Pettitt's Trio, (a) "Anytime's the Time to Fall in Love" (King); (b) "After All We've Been Through" (Costello); (c) "Golden Sands" (Klages).
8.36 : Soprano—Mrs. D. Carty, "The Dear Little Shamrock" (arr. Jackson).
8.40 : Violin—Miss B. Garland, (a) "Minuet" (Boccherini); (b) "To a Wild Rose" (McDowell).
8.46 : Tenor—Mr. J. B. Hamilton, "Mother Machree" (Ball).
8.50 : Castanets—La Argentina, "The Bull Fight" (Valverde).
8.53 : Contralto—Miss Jessie McMillan, (a) "Pokarekare" (Hill); (b) "When Song is Sweet" (Souci).
9.0 : Weather report and station notices.
9.2 : Selection—Paul Godwin's Dance Orchestra, "From Ear to Ear."
9.10 : Bass-baritone—Mr. C. A. McDowell, "The Riderless Steed" (Hussel).
9.14 : Selection—Paul Godwin's Orchestra, "Frog Parade" (Heykens).
9.17 : Humour—Mr. Lester F. Moller, "Smiles" (Hayes).
9.23 : Novelty trio—Pettitt's Trio, "I'm Happy When You're Happy" (Baer).
9.35 : Contralto—Miss Jessie McMillan, "My Heart is a Haven" (Skernall).
9.38 : Organ and piano—Arthur Meale and A. Neville Taylor, "Pastorale."
9.41 : Tenor—Mr. J. B. Hamilton, (a) "Jock o' Hazeldean" (Trdtl.); (b) "Afton Water" (Ord Hume).
9.47 : Cello—Mr. T. Law, "Gavotte in D."
9.52 : Soprano—Mrs. D. Carty, (a) "The Meeting of the Waters" (Moore); (b) "Callier Herrin" (Nairn).
9.58 : Band—B.B.C. Wireless Military Band, "Golliwog's Cake Walk."
10.1 : God save the King.

Saturday, September 26**1YA, AUCKLAND (875 KILOCYCLES)—SATURDAY, SEPTEMBER 26.**

- 12.0 : Results of first day's racing of the Avondale Jockey Club's spring meeting.**
5.0 : Children's session, conducted by Cinderella.

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).
 Paul Godwin's Orchestra, "Poranek" Waltz Intermezzo (Lindsay).
 Organ—Leo Stin, "Chanson Hindoue" (Rimsky-Korsakov) (23165).
 Polydor Orchestra, "Cocou—Imitative Waltz" (Jonasson) (23563).
 The Paul Godwin Orchestra, "In the Rosary" (Bialezki) (21005);
 "Tin Soldiers' Parade" (Jessel) (19659).
 Berlin State Opera House Orchestra, "Introductions, Act 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).
 The Paul Godwin's Orchestra, "Fairy Doll Waltz" (Bayer) (21005).
 The Paul Godwin's Dance Orchestra, "Siamese Parade" Fantasy.
 Polydor Orchestra, "Valse Poudree" (Popy) (23563).

7.0 : News and market reports.

7.40: Talk, under the auspices of the N.Z.A.R.T., Mr. H. Boyd (ZLICH),
 "Dynamic Speakers and Bafflers."

8.0 : Chimes. Selection—Savoy Orpheans, "Lido Lady" (Rodgers).

8.9 : Male quartet—The Savoy, "Lucky Jim" (Parks).
 Male alto—Mr. Bert Skeels, "I Hear You Calling Me" (Marshall).
 8.16: Overture—George Poore and His Orchestra, "Goddess of Night"
 (Allen); Waltz, "Golden Showers" (Waldteufel).
 8.27: Bass—Mr. Syd. Hislop, "Time to Go" (Sanderson).
 8.31: English concertina—Mr. Robert McKnight, "Sonata," 3rd Movement,
 Allegro Molto (Mozart, arr. McKnight).
 8.36: Piccolo—Mr. Frank Poore, "The Humming Bird" (Damare).
 Selection—The Orchestra, "The Bohemian Girl" (Balfe).
 8.46: Male quartet—The Savoy, "Love's Old Sweet Song" (Molloy).
 Potpourri—The Balalaika Orchestra, "Russian Potpourri."
 Tenor—Mr. Frank Campbell, "The Garden of Your Heart" (Dorel).
 8.55: Song—The Orchestra, "The Rosary" (Nevin); Dance, "Dance Hon-
 groise" (Bohm).

9.1 : Evening weather forecast and announcements.

9.3 : Sea story—"Lee Fore Brace," "Man Overboard" (Eadie).
 9.23: English concertina—Mr. Robert McKnight, (a) "Humoreske"
 (Dvorak); (b) "Belphegor March" (Brepsart).
 9.29: Monologue—Wish Wynne, (a) "An Embankment Impression"; (b)
 "Bluebeard—A Bedtime Story" (Wynne) (H.M.V. B3644).
 9.35: Dance—The Orchestra, "Country Dance" (Chenoweth).
 Flute duet—George and Frank Poore, "Lo, Here the Gentle Lark."
 9.42: Male quartet—The Savoy, "Soldier's Farewell" (Kinkel).
 Baritone—Mr. Arthur Gally, "The Cobbler" (Lohr).
 Male quartet—The Savoy, "Lovely Night" (Chwatal).
 9.51: Selection—The Orchestra, "La Fete de Seville" (Tavan); Waltz,
 "Vienna Beauties" (Ziehrer).

10.0 : Programme of dance music (Brunswick)—

Foxtrots—Loring "Red" Nichols and His Orchestra, "Things I Never
 Knew Till Now" (Winchell) (6068). Nick Lucas and His Crooning
 Troubadours, "When You Were The Blossom of Buttercup Lane"
 (Dubin) (6045). Colonial Club Orchestra, "All on Account of
 Your Kisses" (Oppenheim) (6075).
 10.9 : Waltz—Bob Haring and His Orchestra, "Sing Your Way Home."
 Foxtrots—Colonial Club Orchestra, "Please Don't Talk About Me
 When I'm Gone" (Clare) (6073). Abe Lyman and His California
 Orchestra, "What Have We Got to Do To-night But Dance?"
 10.18: Vocal—Nick Lucas, "The Kiss Waltz" (Dubin) (4960X).
 10.21: Foxtrots—Jack Denny and His Orchestra, "Out of Nowhere" (Hey-
 man) (6088). Ben Bernie and His Orchestra, "When Your Lover
 Has Gone" (Swan) (6064). Jack Denny and His Orchestra, "Say
 a Little Prayer For Me" (Gilbert) (6088).
 10.30: Waltzes—Bob Haring and His Orchestra, "Tears" (Capano) (6009).
 Jack Denny and His Orchestra, "The Waltz You Saved For Me."
 Foxtrots—Brunswick Hour Orchestra, "Amapola" (Lacelle) (6067).
 Abe Lyman and His California Orchestra, "In a Cafe on the Road
 to Calais" (Klein) (6094).
 10.42: Vocal—Nick Lucas, "Maybe It's Love" (Mitchell) (OX496).
 10.45: Foxtrots—Jack Denny and His Orchestra, "You'll Be Mine in Apple
 Blossom Time" (Tobias) (6086). Tom Gerun and His Orchestra,
 "By My Side" (Link) (6064); "Maybe I'm in Love With a Dream."
 10.54: Foxtrots—Ben Bernie and His Orchestra, "I Have to Laugh" (Mc-
 Gowan) (6068). Nick Lucas and His Crooning Troubadours,
 "You Didn't Have to Tell Me" (6045).
 11.0 : Sporting summary.
 11.10: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, SEPTEMBER 26.

3.0 : Relay of Rugby football match from Athletic Park.

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

6.0 : Dinner music session (Parlophone)—

Dajos Bela Orchestra, "Russian Fantasie" (Lange) (A4003).
 The Victor Olof Salon Orchestra, "The Merchant of Venice—Incidental
 Music": (a) Prelude No. 1; (b) Intermezzo "Portia" and Oriental
 March; (c) Prelude No. 2; (d) Doge's March (Rosse).
 Parlophone Dance Orchestra, "The Skaters" (Waldteufel) (A2648).
 Opera Comique Orchestra, "The Scrothintsi Fair"—A Hot Day in
 Little Russia (Moussorgsky) (A3029).
 Dajos Bela Orchestra, "Marien Klange" Waltz (Strauss) (A4038).
 Berlin State Opera House Orchestra, "Christmas Concerto" (Corelli).
 Dajos Bela Orchestra, "Morgenblatter" (Strauss) (A4038); "Fantasie
 Orientale" (Lange) (A4003); "Dynamiden" Waltz.

7.0 : News, market reports and sports results.

7.40: Lecturette—Mr. W. M. Jackson, "Gladioli and Gardening."

8.0 : Chimes. "Scottish Night."

Overture—New Queen's Hall Light Symphony Orchestra, "The Little
 Minister" (Mackenzie) (Col. 02587).

8.8 : Baritone—Mr. Ray Kemp, (a) "My Love is But a Lassie Yet"
 (Trdtl.); (b) "Jock o' Hazeldean" (Trdtl.).

8.14: Bagpipes—Piper Smith, "Medley Scotch Airs" (arr. Smith).

8.18: Soprano—Mrs. G. Stark, (a) "Lochnagar" (Moffat); (b) "My Ain
 Wee Hoose" (Munro).

8.24: Selection—2YA Salon Orchestra (Conductor, Mr. M. T. Dixon), "High-
 land Laddies" (arr. Seredy).

8.34: Humour—Mr. Owen Pritchard, "I Love a Lassie" (Lauder).

8.40: Quartet—The Etude, "Hail to the Chief" (Sanderson).

8.44: Banjo—Ernest Jones, (a) "Return of the Regiment" (Grimshaw);
 (b) "The Kilties"—Characteristique (Grimshaw) (Reg. G20953).

8.50: Paraphrase—2YA Salon Orchestra, "The Bluebells of Scotland" (arr.
 Langey); March, "London Scottish" (Haines).

9.0 : Weather report and station notices.

9.2 : Duet—Mr. and Mrs. G. Stark, "The Wee Cooper o' Fife" (arr. Mof-
 fat).

Baritone—Mr. George Stark, (a) "Corn Rigs"; (b) "The Dell's Awa"
 Wi' the Exciseman" (Trdtl.).

9.11: Bagpipes—Piper Smith, "Medley Scotch Airs" (arr. Smith).

9.15: Tenor—Mr. Will Hancock, "The Lea Rig" (Trdtl.).

9.19: Selection—2YA Salon Orchestra, "The Thistle" (Myddleton).

9.29: Contralto—Mrs. Ray Kemp, "We'd Better Bide a Wee" (Clarebel).

9.33: Humour—Mr. Owen Pritchard, "Tobermory" (Lauder).

9.38: Chorus—Victor Mixed Choir, "Songs of Scotland" (H.M.V. EB23).

9.42: Soprano—Miss Greta Stark, (a) "Twins Within a Mile o' Edinburgh
 Toon" (D'Urfe); (b) "O Whistle and I'll Come to Ye" (Trdtl.).

9.48: Novelty—2YA Salon Orchestra, "Thistledown" (Hennessy); "Sweet
 Heather" (Foulds); "Bonnie Blue Bonnets" (De Ville).

10.0 : Dance programme.

Foxtrots—The New York Syncopators, "Lonesome Lover" (Monaco)
 (Parlo. A3149). Ray Seeley and His Orchestra, "You'll Be Mine
 in Apple Blossom Time" (Tobias) (Parlo. A3181). Harry Reser
 and Orchestra, "African Lament" (Lecuna) (Parlo. A3182).
 Tampa Blue Orchestra, "Running Between the Raindrops".

10.12: Waltz—Marimba Centro Americana, "Little Bertha" (Raymundo).

Foxtrot—The Prince of Wales Orchestra, "Say a Little Prayer for Me."

10.18: Vocal—Lions Quartet of Seattle, "Vere is Mein Leetle Dog Gone?"

10.21: Foxtrots—Ray Seeley and His Orchestra, "I'm Crazy 'Bout My Baby"
 (Waller-Hill) (Parlo. A3179). Sam Lannin and His Famous Play-
 ers, "It Looks Like Love" (Woods) (Parlo. A3181). Ray Seeley
 and His Orchestra, "Ya Got My Love" (Goodhart) (Parlo. A3179).

Tampa Blue Orchestra, "Soldier on the Shelf" (Myers).

10.33: Waltzes—Ilja Livschakoff's Dance Orchestra, "Sometimes You Wish
 To" (Jurmman) (Poly. 23847). Ed Lloyd and His Orchestra,
 "Reaching for the Moon" (Berlin) (Parlo. A3128).

Foxtrots—"On a Little Balcony in Spain" (Klein) (A3148). Louis
 Armstrong and His Orchestra, "Body and Soul" (Heyman).

10.45: Vocal—Lions Quartet of Seattle, "O Dem Golden Slippers."

10.48: Foxtrots—Tampa Blue Orchestra, "Would You Like to Take a Walk?"
 (Warren) (Parlo. A3183). Sam Lannin and His Famous Players,

"Ninety-nine Out of a Hundred" (Sherman) (A3148).

10.54: Waltz—Marimba Centro Americana, "Desires of the Soul."

Foxtrot—Hotel Pennsylvania Orchestra, "Loving You the Way I Do."

11.0 : Sporting summary.

11.10: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, SEPT. 26.

3.0 : Gramophone recital.

4.25: Sports results.

5.0 : Children's hour, conducted by Uncle Charlie and Aunt Pat.

6.0 : Dinner music session (Parlophone)—

Edith Lorand's Orchestra, "Tales of Hoffman" Fantasia (Offenbach).
 Dajos Bela String Orchestra, "Goldregen" (Waldteufel) (A4238).
 Otto Dobrindt and His Symphony Orchestra, "Speak Not of Love
 Eternal" (Granichstaedten) (A4275).

Dajos Bela Orchestra, "I Pagliacci" Selection (Leoncavallo) (A40900).

Sandor Joszi Orchestra, "Polo" (Tetras) (A2851).

Berlin State Opera House Orchestra, "Rustle of Spring" (Sinding).

Dajos Bela Orchestra, "Delirien" Waltz (Strauss) (A4182); "Count
 of Luxembourg" Waltz (Lehar) (A4182).

Sandor Joszi Orchestra, "Marionette's Wedding March" (Rathie).

Dajos Bela Orchestra, "Viennese Waltz Potpourri" (Robrecht) (A4169).

Berlin State Opera House Orchestra, "Praeludium" (Jarnefeldt).

Dajos Bela String Orchestra, "Gold and Silver" (Lehar) (A4238).

Mitja Nikisch and His Symphony Orchestra, "Madelon"—Dream Waltz.

7.0 : News session.

7.30: Sports results.

7.40: Talk—Mr. W. G. Wright, "Angora Rabbits."

8.0 : Chimes. Relay of programme from 4YA, Dunedin.

10.0 : Dance music programme (Brunswick)—

Foxtrots—Jacques Renard and His Orchestra, "Tie a Little String
 Around Your Finger" (Simons) (6032); Nick Lucas and His
 Crooning Troubadours, "Say 'Hello' to the Folks Back Home"
 (Lombardo) (6013); Jacques Renard and His Orchestra, "I Hate
 Myself" (Silver) (6032).

10.9 : Waltz—Jacques Renard and His Orchestra, "Reaching for the Moon."

- 10.12: Foxtrots—Hal Kemp and His Orchestra, "Think a Little Kindly of Me" (Johnson) (6056); Isham Jones's Orchestra, "I'm So Afraid of You" (Kalmar) (6041).
- 10.18: Vocal—Harry Richman, "When Your Lover Has Gone" (Swan) (6052).
- 10.21: Foxtrots—Isham Jones's Orchestra, "My Ideal" (Robin) (6041); Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "I Surrender, Dear" (Clifford) (6034); Ben Bernie and His Orchestra, "To-morrow is Another Day" (Green) (4899).
- 10.30: Waltzes—Nick Lucas and His Crooning Troubadours, "Falling in Love Again" (Hollander) (6048); Carter's Orchestra, "The Waltz of the Hills" (Fields) (6042).
- 10.36: Foxtrots—Nick Lucas and His Crooning Troubadours, "Lady, Play Your Mandolin" (Levant) (6018); "Walkin' My Baby Back Home" (Turk) (6048); Carter's Orchestra, "When the Bloom is on the Sage" (Howard) (6042).
- 10.45: Vocal—Harry Richman, "Just a Gigolo" (Caesar) (6052).
- 10.48: Foxtrots—Hal Kemp and His Orchestra, "I Want You for Myself" (Berlin) (6056); Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "To Make a Long Story Short" (Gay) (6034); Ben Bernie and His Orchestra, "Liza Lee" (Green) (4899); Jacques Renard and His Orchestra, "Heartaches" (Klenner) (6033).
- 11.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, SEPTEMBER 26.

- 8.0 : Relay of Association Football from Logan Park.
- 9.0 : Children's hour, conducted by Aunt Anita.
- 9.0 : Dinner music session (Columbia)—
Albert Sandler and His Orchestra, "My Dream Memory" (Levant).
Memorah Symphony Orchestra, "Shulamith" Selection (Goldfaden).
J. H. Squire's Celeste Octet, "Serenade" (Moszkowski) (4184).
Royal Philharmonic Orchestra, "Blue Danube" Waltz (Strauss).
Jean Lensen and His Orchestra, "Ideale" (Tosti, arr. Tavan) (01917).
Cordoba Philharmonic Orchestra, "Carnival" (Lucena) (DOX77).
Organ—Quentin MacLean, "Lily of Laguna" (Stuart) (DO24).
Herman Finck and His Orchestra, "Old and New Potpourri of Popular Melodies" (arr. Finck) (DOX45 and 59).
Albert Sandler and His Orchestra, "Give Me Back My Heart" (Novello).
J. H. Squire's Celeste Octet, "Moment Musicales" (Schubert-Sear).
Jean Lensen and His Orchestra, "Love's Last Day" (Benatsky).
Cordoba Philharmonic Orchestra, "La Habanera" (Lucena) (DOX77).
Organ—Quentin MacLean, "Little Dolly Daydream" (Stuart) (DO24).
- 7.0 : News session.
- 8.0 : Chimes. Selection—Great Symphony Orchestra, "A Rendezvous With Lehar" (arr. Hruby) (Poly. 27173).
- 8.9 : Xylophone—Mr. W. J. Sinton, (a) "The Islander" (arr. Pettitt); (b) "Fair Rosmarin" (Kreisler, arr. Pettitt).
- 8.16: Comedy duets—Violet and Edward Mee, (a) "Husbands and Wives" (Fraser-Simson); (b) "Any Time's Kissing Time" (Fletcher).
- 8.23: Banjo band—Stokes's Banjo Band, (a) "March Militaire" (Schubert); (b) "Liebestraum" (Liszt).
- 8.23: Humour—Mr. B. Brown, "It's Nice When You Love a Wee Lassie."
- 8.27: Mouth organ—Mr. E. Murphy, "Popular Selection" (arr. Murphy).
- 8.42: Monologue—Gillie Potter, "Mr. Potter's Sporting Broadcast" (Potter).
- 8.43: Banjo Band—Stokes's Banjo Band, "New York Ideal" (Seigel).
- 8.52: Bass—Mr. F. E. Woods, "Come to the Fair" (Martin).
- 8.55: Accordion—Mr. Ted Heaney, "Waltzes" (arr. Heaney).
- 9.0 : Weather report and station notices.
- 9.2 : Selection—Grand Symphony Orchestra, "The Tea House of a Hundred Steps" (Yoshitomo) (Parlo. A4272).
- 9.6 : Comedy duets—Violet and Edward Mee, (a) "A Room With a View" (Coward); (b) "Sleepy Hollow Tune" (Friend).
- 9.13: Xylophone—Mr. W. J. Sinton, (a) "Tween Heather and Lee"; (b) "Meet Me at Twilight" (arr. Pettitt).
- 9.19: Male choir—Ed. Branscombe's Westminster Glee Singers, "Old Mother Hubbard" (arr. Branscombe) (Parlo. A3006).
- 9.22: Banjo band—Stokes's Banjo Band, (a) "Echoes of '61" (Odell); (b) "La Mascara" (Pomeroy).
- 9.32: Humour—Mr. B. Brown, (a) "Breakfast in Bed on Sunday Morning"; (b) "When I Get Back to Bonnie Scotland" (Lauder).
- 9.39: Accordion—Mr. Ted Heaney, "Popular Melodies" (arr. Heaney).
- 9.44: Bass—Mr. F. E. Woods, (a) "Mavourneen" (Ayland); (b) "All Thru the Night" (Trdil).
- 9.51: Mouth-organ—Mr. E. Murphy, "Melodious Memories" (arr. Murphy).
- 9.56: Selection—Grand Symphony Orchestra, "Japanese Cherry Blossom Festival" (Yoshitomo) (Parlo. A4272).
- 10.0 : Dance programme (H.M.V.)—
Foxtrots—Jack Hylton and His Orchestra, "The King's Horses" (Graham) (EA820). Ted Weems and His Orchestra, "My Baby Just Cares For Me" (Kahn) (EA800). Nat Shilkret and His Orchestra, "Dixiana" (Caldwell) (EA799). Ted Weems and His Orchestra, "A Girl Friend of a Boy Friend of Mine" (Kahn) (EA800).
- 10.12: Waltz—Nat Shilkret and His Orchestra, "Dancing With Tears in My Eyes" (Dubin) (EA812).
- Foxtrots—The High Hatters, "Anchors Aweigh" (Zimmermann) (EA765). Jack Hylton and His Orchestra, "Adeline" (Nicholls) (EA820). The High Hatters, "The Mug Song" (Gaskill) (EA765).
- 10.24: Vocal—Aileen Stanley, "Swingin' in a Hammock" (Seymour) (EA808).
- 10.27: Foxtrots—Nat Shilkret and His Orchestra, "How Are You To-night in Hawaii?" (Leslie) (EA819). Nat Shilkret and His Orchestra, "Mr. and Mrs. Sippl" (Caldwell) (EA799). Green Brothers' Marimba Orchestra, "Lo, Lo" (Feist) (Zono. EE217). Nat Shilkret and His Orchestra, "Why Have You Forgotten Waikiki?" (Kahn) (EA819).

- 10.39: Waltz—International Novelty Quartet, "Jolly Fellows" (Vollstedt).
Foxtrot—Marimba Centro Americana, "Forget You? Never!" (Martinez) (Zono. EE217). International Novelty Quartet, "Knocked 'Em in the Old Kent Road" (Ingle) (Zono. 5667).
- 10.48: Vocal—Aileen Stanley, "I Love You So Much" (Kalmar) (EA808).
- 10.51: Foxtrots—Ben Bernie and His Orchestra, "It's a Lonesome Old Town" (Tobias) (Bruns. 4943). Waring's Pennsylvanians, "Little White Lies" (Donaldson) (EA812). Ben Bernie and His Orchestra, "Au Revoir—Pleasant Dreams" (Meskill) (Bruns. 4943).
- 11.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SATURDAY, SEPT. 26.

- 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, September 27

1YA, AUCKLAND (875 KILOCYCLES)—SUNDAY, SEPTEMBER 27.

- 3.0 : Selected recordings, interspersed with relay of portion of Organ Recital from Town Hall by Mr. Maughan Barnett, City Organist.
- 6.0 : Children's song service, conducted by Uncle Leo.
- 7.0 : Relay of evening service from the Beresford Street Congregational Church. Preacher, Rev. Lionel Fletcher; Choirmaster, Mr. William Gemmell; Organist, Mr. A. Cherry.
- 8.30 (approx.): Relay from the Auckland Town Hall of concert by the City of Auckland Municipal Band (Mr. George Buckley, Conductor).
Grand march—The Band, "Knights of the King" (Ketelbey); overture, "Leonore" (Beethoven).
Cornet duet—Messrs. F. Bowes and J. Davies, "Al and Pal" (Short).
Suite—The Band, "Hyde Park" (Jalowicz); (1) Sunday Morning Church Parade, (2) Rotten Row, (3) On the Serpentine, (4) Around the Bandstand.
- Xylophone—Mr. Rowland Jackson, "Bisley" (Cole).
Rhapsody—The Band, "Hungarian Rhapsody No. 1" (Liszt).
Piccolo—Mr. Hal C. McLennan, "Little Sweetheart" (Brookshire).
Hymn—The Band, "Nearer, My God, to Thee" (Dykes).
March—The Band, "Old Panama" (Alford).
- 10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, SEPTEMBER 27.

- 3.0 : Afternoon session of selected gramophone recordings.
- 6.0 : Children's song service, conducted by Uncle George, assisted by the Children's Choir from the Roseneath Presbyterian Church.
- 7.0 : Relay of evening service from St. Paul's Pro-Cathedral, Mulgrave Street, Wellington. Preacher, Canon Percival James; Organist and Choirmaster, Mr. Robert Parker, C.M.G.
- 8.15 (approx.): Relay of concert 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, SEPTEMBER 27.

- 3.0 : Gramophone recital.
- 5.30 : Children's song service by children of Presbyterian Sunday Schools.
- 6.15 : Chimes.
- 6.30 : Relay of evening service from St. Paul's Presbyterian Church. Preacher, Rev. W. Bower Black; Organist, Mr. Norman Williams; Choir Conductor, Mr. H. Blakeley.
- 7.45 : Selected recordings.
- 8.15 : Studio programme:
March—Orchestra of Opera Comique, "Heroique" (Saint-Saens).
8.23: Tenor—Mr. Charles R. Williamson with octet accompaniment, (a) "Serenade" (Schubert), (b) "Devotion" (Schumann).
8.32: Piano—Miss Gladys Benton, "Polonaise, Op. 26, No. 1" (Chopin).
8.37: Soprano—Miss Addie Campbell with octet accompaniment, (a) "The Garden of Your Heart" (Dorel), (b) "Here's to Love and Laughter".
8.45: Orchestral—Studio Octet (Conductor Harold Beck), (a) "Harvest Festival" (Ames), (b) "To a Wild Rose" (Macdowell), (c) "Presto" from "Oxford Symphony" (Haydn).
8.51: Bass—Mr. Finlay Robb with octet accompaniment, (a) "The Menin Gate" (Bowen), (b) "The Yeomen of England" (German).
8.57: Selection—Berlin State Opera House Orchestra, "From Foreign Parts" (Moszkowski) (a) Spain, (b) Hungary (Parl. A3137).
- 9.3 : Weather forecast and station notices.
- 9.5 : Talk—Mr. E. Iveagh Lord, "The Story of the Golden West Coast—The Arthur's Pass Tunnel—Linking East and West."
- 9.20: Selection—Studio Octet, "The Barber of Seville" (Rossini).
- 9.25: Tenor—Mr. Charles R. Williamson with octet accompaniment, "All Hail, Thou Dwelling" (Gounod).
- 9.30: Piano—Miss Gladys Benton, "Humoreske" (No. 10) (Rachmaninoff).
- 9.35: Soprano—Miss Addie Campbell with orchestral accompaniment, "Indian Love Call" (Friml).
- 9.40: Organ—Arthur Meale, "Pilgrim's Song of Hope" (Batiste) (H.M.V.).
- 9.44: Bass—Mr. Finlay Robb, Negro Spirituals, (a) "Deep River" (Fischer), (b) "Since You Went Away" (Johnson), (c) "Swing Low, Sweet Chariot" (Rogers).

Our Mailbag

(Continued from page 6.)

ticle, although there is ample room on the first page for the whole article. Recently you printed an article in this manner. The illustration of it was on the first page and the text referring to the illustration was on page 29. Consequently, in order to compare the illustration with the text, one had to be continually turning the leaves. Result: many hard things said about editors who are not consistent. Put the ads. where they belong—at the back of the book.—“Tom” (Otahuhu).

[Advertisers do not agree that they “belong at the back of the book.”—Ed.]

Landfair.

WISH to draw your attention to an article appearing in your issue of Friday, September 11 (Vol. V., No. 9) under the heading “Programme Jottings,” page 2. Being a Welshman I could not help but notice the incorrect spelling of a Welsh town by Mr. D. E. Parton. The correct spelling is as follows:—Llanfairpwllgwyngyllgogerychwyrndrobwllantysilfogogoch.

You will notice that the correctly spelt word contains fifty-six letters and not twenty-nine letters as shown by Mr. Parton, including a letter “q” which does not exist in the Welsh alphabet.

“REGULAR READER.”

Wellington.

Change Not Favoured.

AS a license-holder, I should like to voice my opinion regarding the Government taking over the radio control. I don't approve of the Government interfering in any way. I am perfectly satisfied with the present R.B.C. and consider they are satisfactory in every way. The increase in licenses speaks for itself.—4 Valve (Feather-ton).

R.B.C.'s Help Appreciated.

IN several issues of the “Record” there have appeared conflicting reports on 3ZR and 3ZE. There is no connection whatever between the two stations and neither do we work in conjunction with each other. The West Coast Radio Society run 3ZR and work on the following schedule:—Monday, 7 a.m. to 9 a.m.; Tuesday, 6 to 10 p.m.; Thursday, 6-10 p.m.; Saturday, 8 to 5 p.m., and 6-9 p.m.; Sunday, 3 to 4.30 p.m., and 6-9 p.m. Mondays and Friday evenings will shortly be on the schedule, too, from 6 to 10 p.m. We have a children's hour from 6 to 7 every evening we are on

the air. We also frequently relay 3YA by land lines. Our aerial power is 80 watts output, not 20 as has been previously stated in the “Record.”

The studio and transmitting plant is situated in Sturge Street, Cobden, and is connected to the local exchange by special land lines supplied by the Broadcasting Company, N.Z. 3ZE is operated only on Friday afternoons, 12 to 2 p.m., and Wednesday evening, 8 to 10 o'clock, with a power of 50 volts. We would like to make this clear to all listeners, as we understand that some have been led to believe that 3ZR is replaced by 3ZE. Over 2000 reports have been received from Auckland to the Bluff and from all parts of Australia. Incidentally, these have all been replied to. We wish to place on record the appreciation of the West Coast listeners for the way in which the Radio Broadcasting Company of New Zealand, Ltd., have helped 3ZR by relays, this making possible perfect reception, of football, boxing, and talks, etc.—West Coast Radio Society, per M. E. Spiers, Station Manager.

The Long Aerial

A CORRESPONDENT, signing himself “Joe,” writes commenting on his results with a long aerial. His is about 250 feet in length, 80 feet high at the far end, sloping down to 45 feet at the set end. It can bring in 4YA at phone strength and full speaker strength in the evening. On a normal aerial, 4YA was very rarely heard on the phones even in the evening. He is using a five-valve commercial set and is operating this in Greymouth. The nearest station, 3ZR, comes in very much better, and he can get this station on the speaker, whereas before it was heard only on the phones. The carrier wave of 2FC can be picked up during the day. The set is quite as selective as the one 80 feet long and 45 feet high. Another thing he finds is that the long aerial does not make a great deal of difference to the squeals that one makes when tuning in to a station.

We are pleased to hear from correspondents who have had unusual experiences with an aerial. While it is quite a common thing for an aerial such as this to give vastly superior results as far as sensitivity is concerned, it is rare that selectivity is not impaired. We concur with “Joe” when he says that if he were living near a broadcast station he would probably notice the difference. We think he would, for a long aerial is undoubtedly very unselective.

N.Z. Short-wave Club

The Secretary Writes

KEEN interest is being taken in short-wave matters in Auckland. Mr. L. Saunders writes that it is likely that meetings will be commenced there shortly. Mr. Mickelborough, of ZL1BC, is doing some good work, and is broadcasting much useful information.

I receive a number of cards in reply to members' reports, some of them being from overseas. These cards are sent out each month together with the members' circulars.

In the early days of the club I used to enclose a member's address in my replies to new members, and many pen friends were made. One member tells me

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.

that he writes to his pen-pal regularly each week.

Letters from overseas show that the writers are keen to get all the information they can. Naturally, when a “Record” is posted to them, the shortwave page is eagerly devoured. Evidently our position for reception is very good, and they look forward to getting radio news from here.

The Americans tell us that television is nearer than we expect; so it behoves shortwaveers to make themselves proficient in tuning, for only successful tuners will get results. I have heard many complaints about poor results, and I have heard some people tuning. Evidently imagination plays a part, and the complaints about some circuits being poor can hardly be relied on. In fact, half the trouble is caused through faulty tuning and run-down batteries. I am situated in a very bad locality, but I get results, and I have yet much to learn.

NZ9C, my namesake Mac, has quite a reputation with his transmitter ZL2GZ, which he has to convey by pack-horse. He is now at Rainbow Reservoir, via Top House, Nelson.

The same address: A. B. McDonagh, Secretary N.Z. Shortwave Club, 274 Cuba Street, Wellington.

Weekly World-wide Broadcasts

Service Inaugurated Recently

A NEW broadcasting service was commenced last month by Amalgamated Wireless (Australasia), Ltd., for the purpose of supplying a regular weekly programme for world-wide reception. The transmissions are carried out through the 20 kilowatt shortwave transmitter at Radio Centre, Pennant Hills.

The programme is repeated at four different times, and is transmitted over Sunday and Monday. The idea of these different times is to suit the reception in different parts of the world. The schedule

of transmissions is given below, the times mentioned being N.Z. standard time:—

4.30 to 6.30 p.m., Sunday. Suitable for western portion of North and South America.

9 to 11 p.m., Sunday. Suitable for Victoria, Tasmania, South Australia, Queensland, New Zealand, Papua, New Guinea, Fiji, New Caledonia, New Hebrides, and other Islands.

11 to 1 p.m., Sunday. Suitable for West Australia, China, Japan, Philippine Islands, Straits Settlements, and most of India.

6.30 to 8.30 a.m., Monday. Suitable for Great Britain, Western Europe, South Africa, Rhodesia, and Egypt.

This new service should do much for shortwave radio in Australia, and it is hoped that before long the service will be extended.

Overcoming Interference

(To the Editor.)

I AM in a very noisy area and am surrounded by power lines—a DC sub-power station 300 yards away and a hospital using electrical devices. The soil is rocky and volcanic. I have tried several earthing systems, but the more complicated they are the more noises they add to the set. However, I am trying out a device which appears to be quite effective. The precautions I have taken are:

1. The lead-in from the main “T” aerial is of armoured cable, and I used similar cable for the earth. I have found it better to use an earth consisting of an old copper calphont, with zinc sheets, etc. This is superior to pipes driven into the ground. The shielded portion of the aerial and earth system is taken to a separate earth, merely angle iron driven into the ground so that the noise collected cannot interfere with the set. I find that noise is reduced by 50 per cent. I tried connecting the armoured shielding of my earth wire to the water pipe, also to my set earth, but the noise increased. I have had to erect my mast 60 feet, so as to be above the power lines, and this has resulted in my set being broad, due to the long down lead.

I have had a great deal of trouble from noises from rotary converters, but by the addition of chokes and bypass condensers, with leads from the converter, of armoured cable, with the shielding earthed, again separately, I can overcome a great deal of the noise.

Care must be taken that the shielding on the outside of the cable does not come in contact with the inside copper wire.

FOR SALE OR EXCHANGE

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

GRAMOTROPE with double spring motor, Upco Pick-up, volume control, six records. Demonstrator. £7/10/-, freight paid. Send £1 for three months' option. Ultimate Radio Service, Kaitia.

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9.50: Ballet music—Studio Octet, (a) “Slavonic Theme and Variations,” (b) “Festival Dance and Waltz” from “Coppelia” (Delibes).

10.0: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, SEPTEMBER 27.

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 Church of Christ, Hanover Street, Dunedin. Preacher: Pastor W. D. More. Choirmaster: Mr. W. H. Mackenzie.

7.45: Selected recordings.

8.15: Relay of Concert Programme from 3YA, Christchurch.

10.0: God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, SEPT. 27.

6.0 to 6.45: Children's Sunday Service.

8.15 to 10.0 p.m.: Concert programme.

friendly soul. Talks to people in trains and at funerals, and all that, you know. No trouble for her to strike up a friendship. She says she has a gift that way.

Stella: A gift! Ye gods! Then why on earth didn't she give it back long ago? (Bell rings.) There's the bell now. I wonder who it is?

Enter Martha in muslin cap and apron. Mutter "Respectable! H' indeed!" Approaches her mistress with card on tray.

Mrs. Soaring: What are you mumbling about, Martha? For mercy sake try to look pleasant. (Martha glowers. Mrs. S. reads card.) "Miss Wimple"—Well, go along, Martha, and show her in.

Martha (from doorway): Wot I says is this 'ere. If she must wear a red nose, need she also wear a red hat?

Mrs. Soaring: MARTHA! (Exit Martha, still muttering.) That girl is becoming impossible.

Stella: You couldn't docket her as the little ray of sunshine, certainly. She looks like something that might have occurred to Buster Keaton in one of his less frivolous moments.

Enter Miss Wimple—the Vicar's sister—a thin, very tall female, curved inward like a stickle from the waist up. Her nose is very red, as is also her hat. Advances with outstretched hand: Oh, good afternoon, dear Mrs. Soaring. And Miss Soaring; how delightful to see you!

Mrs. Soaring: Good afternoon, dear Miss Wimple; this is charming of you. I hope the vicar is well.

Miss Wimple: Alas, poor man! He is far from well. Chronic dyspepsia, you know—and nothing gives him relief—nothing. (Sighs.)

Aunt Lizzie's Friend

(Continued from page 23)

Mrs. Soaring: How sad! What a martyr!

Stella (in an aside): What price our dear Lizzie's remedies now? (Bell rings.)

Miss Wimple: Er—I beg your pardon, Miss Soaring, did you say you knew a remedy? If only I could find one. (Sighs.) The poor man!

Stella: Unfortunately I have not. But I may be able to discover something. A relative of ours is a mine of information when it comes to remedies. A quaint old thing she is, rather, but an old dear, really, isn't she mother?

Mrs. Soaring: Yes, you would have enjoyed her. Dear Lizzie. Quite a character! Unfortunately she could not stay in to-day. I would have loved to introduce her to you.

Enter Martha, closely followed by Mrs. Jefferson-White, a severe-looking woman with an intolerant expression.

Martha: Mrs. Chaffing-Some Quite! (Flaunts out.)

Mrs. Jefferson-White snorts.

Mrs. Soaring (hurriedly): Oh, how do you do, Mrs. Jefferson-White? How nice to see you! A perfect day, isn't it?

Mrs. J.-White: Oh, quite! (Settles into chair, nods abruptly at others.) G'att'n'n! (Takes out knitting.)

Miss Wimple: Good afternoon, Mrs. Jefferson-White. It is indeed a pleasure to see you. The vicar was

only saying how long it was since we saw you at church. (Mrs. J.-White snorts.) He was wondering what was preventing you from attending.

Mrs. J.-White: Adenoids.

Miss Wimple: I beg your pardon, Mrs. Jefferson-White, did you say adenoids?

Mrs. J.-White: Quite!

Miss Wimple: Why—why—what—ever—

Mrs. Soaring: I think Mrs. Jefferson-White is referring to the vicar's unfortunate—er—er—nasal er—er—peculiarity—

Miss Wimple (bridling): Indeed!

Mrs. J.-White: Quite!

(Bell rings.)

Miss Wimple: I agree with the vicar when he says, "Sin has no limits." (Staring acidly at Mrs. J.-White.)

Stella: Well, thank goodness, that's one industry that needs no ten per cent. cut.

Mrs. Soaring: Stella!

Mrs. J.-White: Quite!

Enter Martha with card. Mrs. Soaring takes card from tray.

Mrs. Soaring: Oh, yes, Martha; show her in. (Looks round benignly.) My dear friend, Mrs. Snobbe-Cranston.

Miss Wimple: Mrs. Snobbe-Cranston! Oh, is she a friend of yours?

Mrs. Soaring: Why, of course. I've known her intimately for ever so long. We are the dearest friends!

Miss Wimple: Oh, really!

Mrs. J.-White: Oh, quite!

Enter Mrs. Snobbe-Cranston, a well preserved woman of middle age and well restrained figure. Advances grandly and holds out hand to hostess.

Mrs. Soaring: Good afternoon, my dear Mrs. Snobbe-Cranston. This is indeed a pleasure.

Mrs. S.-Cranston: Good afternoon. Gorgeous day, what?

Mrs. Soaring: Indeed yes, dear Mrs. Snobbe-Cranston. May I introduce—Miss Wimple—Mrs. Jefferson-White. Of course you know my dear daughter.

Mrs. S.-Cranston: How do? (Bows somewhat frostily.)

Miss Wimple: This is indeed a great pleasure, Mrs. Snobbe-Cranston; perhaps you know my brother. He is the vicar at St. Peter's.

Mrs. S.-Cranston: Really!

Mrs. J.-White: Quite!

Miss Wimple: Such a lovely sermon he gave last Sunday!

Mrs. Soaring: Oh, lovely!

Mrs. J.-White: Oh, quite!

Miss Wimple (stares acidly at Mrs. J.-White): He believes that success in our undertakings is assured through meditation, concentration, inspiration—

Mrs. J.-White: Or crass ignorance!

Miss Wimple: Really!

Mrs. J.-White: Quite!

Enter Martha with tea-wagon. Mrs. Soaring busies herself with cups, etc.

Martha: Please, mum—please, mum—

Mrs. Soaring: Yes, Martha, what is it?

Martha: Please, mum, the cat got into the kitchen and drank the cream an—

Mrs. Soaring: Well, why didn't you get more? Really, Martha—

Martha: 'Ow could I, mum, when you knows as well as I does that the

milkman won't give us no more tick till we pays 'is account!

Mrs. Soaring: Martha! Go at once! How dare you tell such untruths?

Martha: Untruths! Lawks! I likes that, I does! Castin' nasturtions on my character—h'indeed! I spose you'll be sayin' next as 'ow the butcher didn't come a-roarin' round just afore lunch—

Mrs. Soaring: MARTHA!!! Leave the room!

Martha exits sulkily, muttering: "Untruths! Lawks! What impudence!"

Mrs. Soaring: These dreadful maids! So crude! But of course you'll know all about it, Mrs. Snobbe-Cranston. (Hands cups of tea.)

Mrs. S.-Cranston: Of course! Frightful creatures! So impudent!

Stella: Oh, Mrs. Snobbe-Cranston, have you met our new neighbour, Mrs. Parrington, yet?

Mrs. S.-Cranston: Not yet, but—

Enter Lizzie, with a companion, big, jolly-faced woman in a mannish costume and hat.

Lizzie: Oh, Mag, I managed to get along after all. I met my friend just along the street and thought how jolly it would be to bring her along, as she is new here and would like to meet you all. Come along, Milly, and be introduced. (Her friend advances.)

Mag, surely you remember Milly—she was at the Brown's when you were working for us. She was only saying what a surprise she got to hear of your marriage with George. I told her she wasn't the only one who was surprised, eh, Mag? (Laughs in her jolly way.)

Well, Mag, what about meeting all these smart friends of yours. My, wouldn't the folks down at Titree Gulch love to see you now. (Gazes around admiringly. Everyone stares stonily back.) Anyway, Mag, you'll be wanting to meet my friend. This is Mrs.—

Mrs. Soaring (frostily): Oh, how do? (Nods abruptly—ignores outstretched hand.) Lizzie, take your friend and sit over there. (Points to couch in far corner.) I will ring for more tea.

Lizzie: But I haven't introduced my friend, Mrs.—

Mrs. Soaring: Oh—er—how do? (Waves hand towards far corner; rings bell.)

Lizzie, after a moment's hesitation, takes her friend's arm, saying: "Come along, Milly; this city way of going on beats me. Call that an introduction? My stars!

Mrs. S.-Cranston: And who are these—er—persons?

Mrs. Soaring (confidentially): Oh, Lizzie! (Shrugs.) These impossible connections from the country—Maybe you have had experience of them. So annoying!

Mrs. S.-Cranston: Oh, of course, I understand. Poor relations! Alas! We all have them. But that other one! (Mrs. Soaring shrugs.)

Stella: She's a disaster on land or sea!

Miss Wimple: Oh, is that the—er—person you were speaking of, Mrs. Soaring? The one with all the remedies, you know—a relation you said it was.

Mrs. Soaring: Oh, NO! Of course not. She was quite different.

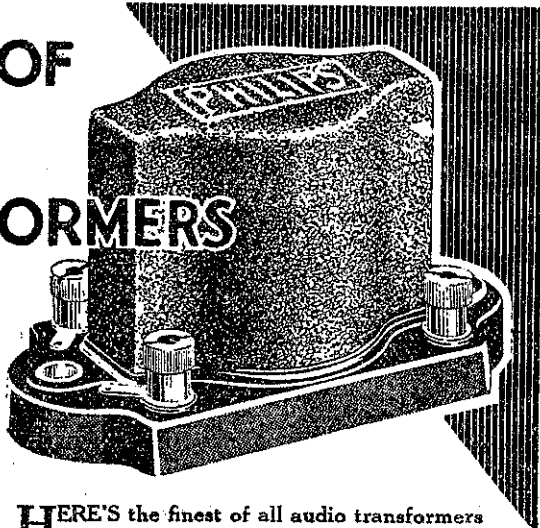
Enter Martha.

Mrs. Soaring: More tea, Martha. (Martha exits sulkily:—"Untruths! Lawks! H'indeed!")

Lizzie: Well, Mag, I must say you've a different way of doing things here

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than we have at Titree. My stars, if I were to—

Mrs. Soaring (ignoring Lizzie): What were you saying about the new Mrs. Parrington, Mrs. Snobbe-Cranston?

Martha re-enters, bangs pot of tea on table, then exits, still muttering.

Mrs. S.-Cranston: Oh, I haven't called yet—I am kept so busy with all my calls. (Mrs. Soaring pours tea and hands to Lizzie and friend.) But I am hoping to get along very soon. You see—

Lizzie: Mag—just a moment.—May I introduce—

Mrs. Soaring (staring stonily at Lizzie): You were saying, Mrs. Snobbe-Cranston?

Mrs. S.-Cranston: Oh, yes—it appears that Mrs. Parrington has expressed a great desire to meet me.—(Lizzie and her friend look blankly at each other.)

Miss Wimple (excitedly): Really!

Mrs. J.-White: Quite.

Mrs. S.-Cranston: Yes. Of course, they are very wealthy.

Stella: They say the old man's got wads!

Mrs. S.-Cranston: Simply rolling, my dear!

Miss Wimple: Really!

Mrs. J.-White: Quite!

Stella: And there is a son, I believe?

Miss Wimple (arohly): Now—now—

Miss Soaring. (Wags finger at her.)

Mrs. S.-Cranston: It seems that Mrs. Parrington is a very great friend of a very great friend of mine—so naturally she is hoping that we will be very intimate.

Mrs. Soaring: Well, isn't that just wonderful!

Stella: Tophole for you!

Miss Wimple: So charming, I think.

Mrs. J.-White: Oh, quite!

Lizzie: Oh, Mag! May I—

Mrs. Soaring: Have you an invitation to her house warming? I hear she is having one soon.

Mrs. S.-Cranston: Of course. I have mine with me now. (Begins searching in handbag.)

Such a lovely card! So original, I thought. Oh, so sorry; it's not in my bag. I must have left it at home. Oh, of course, now I remember—it was in my crocodile skin bag that I put it. Such a pity. Such a sweet card!

Mrs. Soaring: I think it is such a lovely new house—

Stella: Perfectly adorable!

Miss Wimple: Oh, perfectly!

Mrs. J.-White: Oh, quite!

Miss Wimple: I am quite looking forward to seeing it.

Stella: Are you invited to the house warming, Miss Wimple?

Miss Wimple: Oh, surely. The vicar—of course—you understand—

Mrs. Soaring: Oh, perfectly!

Mrs. J.-White: Oh, quite!

Lizzie: A party! How lovely! When is it, Mag? Is it likely to come off while I am here? I do love house-warmings. I well remember the last one we had out in Tussockdale—

Mrs. Soaring: More tea, Lizzie? More tea, Mrs.—Er?—Yes, Mrs. S.-Cranston, I'm sure it's going to be a delightful occasion. So splendid to get some really nice people in our district, isn't it?

Mrs. S.-Cranston: Oh, rather!

Mrs. J.-White: Oh, quite!

(Commotion in far corner. Lizzie's friend makes hurried exit. Mrs. Soaring looks annoyed.)

Mrs. Soaring: Really, Lizzie!

Lizzie: Well, Mag, perhaps you will let me speak at last. I must say you

have a queer way of treating your guests. My stars, if I had done what you have done out in Titree, I'd've been howled out of the district!

Mrs. Soaring: Really, Lizzie, if you will bring your strange acquaintances to my "at home"—

Lizzie: Did you say "strange acquaintances"? My stars! I like that!

Mrs. S.-Cranston: Most unseemly behaviour!

Miss Wimple: Oh, most!

Mrs. J.-White: Oh, quite!

Stella: She was rather a yell, Aunt Lizzie. You must admit that.

Mrs. Soaring: And such an undignified way to leave. Really, Lizzie—

Lizzie: She found it impossible to stay longer. The strain was too great. She asked me to apologise to you, Mag, for her bad manners, but since they are the fashion here, I shouldn't think you'd notice. And she asked me to tell you—(addresses Miss Wimple)—I don't know your name, but you are evidently something to do with the vicar—may his God help him—she desires you to know that she is a strong Presbyterian. And you—Mrs. Snobbe—

Something-or-other—(Did you make it up, by the way—never did I know a name suit anyone so well—not even Mrs. Ducktoes down in Tussockdale—she had webbed feet, poor dear.) Well, she said, that you carried off your little bit of bluff real well. My stars! The way you hunted through that bag was real clever. Considering that you never got an invitation at all—

Mrs. S.-Cranston: I beg your pardon!

Mrs. Soaring: LIZZIE! What are you saying?

Stella: Help! I smell a rat!

Miss Wimple: I'm sure the Vicar will be quite reconciled to the fact that that very Queer person is not an Anglican.

Mrs. J.-White: Quite!

Miss Wimple: But why she should mention the fact—

Stella: Stung! Oh, what a yell!

Mrs. Soaring: Lizzie! What do you mean by all this nonsense? Explain yourself!

Lizzie: I'll explain all right. You people seem to consider yourselves so high and mighty—

Miss Wimple: Indeed!

Mrs. J.-White: Quite!

Lizzie: Well, they say pride goes before a fall. I reckon that's right—and someone's going to fall—hard—right now. You are too grand to meet me and my friend, eh? Too Snobby—that's what—

Miss Wimple: Indeed!

Mrs. J.-White: Quite!

Mrs. Soaring: LIZZIE! For mercies' sake, what are you talking about? How dare you? If you are rude to my guests, you must go—

Lizzie: I'm going. Don't let that worry you. (Goes toward exit.) I am going to spend the rest of my time here with my friend. She said to tell you that she is sorry—she was hoping to meet you all and give you an invitation to the house-warming.

Mrs. Soaring: The HOUSE-WARMING!

Mrs. S.-Cranston (On a high key): The HOUSE-WARMING!

Stella: I guessed it! Oh, what a yell!

Mrs. Soaring: Then your friend is—

Lizzie (At exit): MRS. PARRINGTON!

(EXIT LIZZIE.)

COLLAPSE OF EVERYONE.

CURTAIN.

SECOND CURTAIN.

Curtain rises on scene of confusion. Mrs. Soaring is sobbing profusely into a d'oyley. Mrs. S.-Cranston is in a faint. Miss Wimple is fluttering around waving a handkerchief between both of them. Stella is in an attack of hysterics. Mrs. Jefferson-White is knitting fiercely. Martha has entered and stands at back of stage, gaping dazedly.

Martha: Lawks! Lawsa-mussy!

Stella (giggling): Oh, what a yell!

Mrs. J.-White: QUITE!

FINAL CURTAIN.

THE END.

Programme Jottings

A PERFORMANCE of "The Arcadians," by the Hamilton Amateur Operatic Society, will be relayed by 1YA on Wednesday, October 7.

Mr. Te Ari Pitama has been engaged by 3YA for further lectures on "Maori Customs."

On Thursday, October 29, a concert by the Wanganui Garrison Band will be relayed by 2YA.

A concert by the Temuka Municipal Band, to be given on Sunday, October 18, is to be broadcast.

3YA will relay from Ashburton on Monday, October 19, a programme by the Ashburton Choral Society. "A Tale of Old Japan" will comprise part of the concert.

A recital of negro spirituals and plantation songs will be given at 3YA on Friday, October 30, by Mr. Hubert Carter, the well-known tenor.

On October 25 and 26, 3YA will carry out special relays of the celebrations marking the centenary of the sacking of Kalapohia Pa by Te Rauparaha. Mr. Te Ari Pitama will be the announcer.

Mr. and Mrs. F. W. Simpson will give a piano and vocal recital at 3YA. In musical circles Mrs. Simpson is well known as Thelma Gallagher.

Celebrations in connection with the Jubilee of the Christchurch Cathedral, to take place on Sunday, November 1, will be broadcast by 3YA.

Prior to her departure for London to avail herself of the scholarship granted by the Royal College of Music, Marjorie Alexander, the brilliant young Christchurch pianiste, will give her final radio recital at 3YA on November 11.

3YA has in course of preparation a programme called "Old Christchurch." Many of the old identities of the city will contribute.

A Dunedin entrant in the Ashburton Competitions, Miss Margaret Howden, gained first place for the sacred solo (the judge stating hers was an outstanding performance), second in the test piece, second in the national and own selection section, as well as three h.c.s. Miss Howden is a well-known Dunedin contralto and 4YA artist.

Suva Likes 2YA

An Appreciative Letter

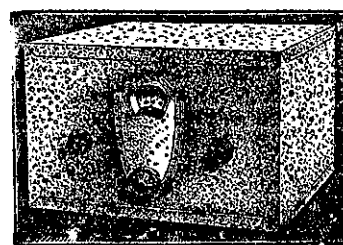
MR. CLIVE DRUMMOND, announcer at 2YA, has received an appreciative letter from a Mr. A. L. Titcomb, electrician and engineer of the Grani Pacific Hotel, Suva, Fiji. In the course of his letter Mr. Titcomb says: "I feel I must tell you how very much your concerts are appreciated in Fiji, and that for our islands it is the best broadcast we receive by far. If you went off the air I'm sure we would feel very lost here."

"The time I listen-in is from 8.30 p.m. (8 p.m. N.Z. time) onward."

"If you happen to see the gentleman (who happened to be Mr. Herbert F. Wood) who sang 'I Like You in Velvet,' you may tell him all the listeners-in in Suva were more than charmed with his interpretation of this and the two encore items. A number of guests were from U.S.A., England, and the Continent, and compared him favourably with the best opera singers."

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Fortune Favours Flower Painter.

THE God of Luck must have cast his enigmatic smile upon pretty Miss Betty Taylor, the young daughter of Admiral Taylor, M.P. for South Paddington. She was cataloguing her paintings for exhibition when the Queen's attention was attracted by a pile of her canvases stacked against one wall, and Miss Taylor was presented. What really discomposed this young painter about to hold her first show was that she was in her oldest clothes! The Queen bought five of Miss Taylor's pictures on their merits. They included a study of pale pink poppies in a vivid blue ginger jar, two studies of fruit blossom, and a bowl of primroses. Each picture had a specially-designed slender frame of pale silvered wood, with a narrow line of blue or green or yellow. Later in the day Princess Mary looked in and bought three of the young artist's pictures.

Right Angles.

ALL the new brimmed summer hats are charming, and suit every style of face, but they do need careful adjustment. Not one is made to be crammed straight on to the head, for their whole subtlety comes from the curved and clever-dropped unevenness of brim that looks merely silly when worn straight, and extremely effective when tilted at the right angle. No longer can women put on their hats without a mirror. The tiny berets and turbans need really careful adjustment, first to get the little brow or eye veil so kind to wrinkles right, and then to get the cap in its correct position on the back of the head, with no untidy strands of hair to spoil the chic of this rather stern mode. Brimmed hats are more easily worn by the woman always in a hurry, because they do conceal the back of the hair and tilt deeply over the right eye. But even so, it is well worth the bother when buying the hat to get precise instructions and illustration as to how it should be worn, and afterwards to experiment oneself until the right effect is obtained.

A Bulwark.

THIS great middle-class is still, as it has always been, the bulwark of the British nation. What is the result if a country does not possess a capital of individual strength such as we have in this solid home-loving and practical population has been shown by Russia's miserable fate.

The strength of Russia lay in the extremes of her population, with the result that she proved without ballast in a time of stress.

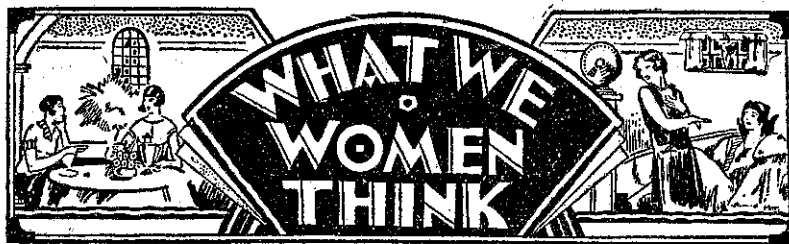
So long as the home life of England flourishes there is little need to be anxious about the national future. We have a mighty source of strength in the thousands of home-loving people scattered through the length and breadth of the country.

Modish.

COLOURED jewellery is now only worn for sports and mornings. Pearls have returned to favour—and the necklace seems to have fallen from favour for evening wear among smart women, though wide, glittering bracelets are worn over evening gloves.

The very large choker necklaces are only worn with sports clothes or woollies—and tiny beads are favoured for afternoon wear.

Women who possess only one evening frock find the little jacket a blessing



—for it can be worn in black, white, or all the colours of the rainbow.

Have you seen the new net blouses embroidered in wool flowers? A novel notion for wear with the new woollen suits—and one which will appeal to the home dressmaker. Coloured nets embroidered with white flowers are the most popular—and tiny short sleeves and round necks are featured for the most part on these net blouses, finished with narrow bands of wool in crochet stitch.

Shadowproof summer lingerie is a necessity when thin frocks are worn—and every wardrobe should contain a shadowproof petticoat. Make the skirt with a generous wrap back and front, and you can wear the filmiest frock without any qualms.

Many Inventions.

INVENTORS will automatically solve "the servant problem." The house of the future will need but few servants.

At present, although you may not believe it, if a millionaire wishes a window to be opened he rings a bell for the butler. The butler goes out

and calls the footman, and the footman gets the under footman to undertake this menial task!

It is possible that all windows will be controlled by buttons on every armchair in the room.

Certainly, the household is the inventor's paradise.

Science will be used for every purpose in the house of the future. At present a cook has to be continually tasting to see that the food is not too salt or too sweet. This will be done automatically. Even to-day we have a "robot" that will tell us exactly how sour is the vinegar.

Utilitarian Tips.

BLANKETS should be washed, if possible, in soft water. Make strong suds of soap, and immerse the blankets after shaking them free of dust and lint. Never rub soap directly on the blankets, and squeeze with the hands, not on a board. The addition of a little ammonia is helpful. Rinse through several waters, each hotter than the last. This is the secret of the process, the heat ex-

panding the wool and keeping it soft. Shake well, pull edges straight, and dry quickly.

Corks in bottles to be carried when travelling can be made perfectly secure by sticking a piece of adhesive tape over them. Have the strip long enough to pass over the cork and down the sides of the bottle.

Dyeing by an amateur often results in a streaky effect. To avoid this put the dye in a soap shaker and work this about in the water in which the garment is put. This also prevents the hands from becoming stained.

Flowers sent by post in hot weather will travel well if they are rolled in newspaper. The first sheet should be damp and the second dry. Wet, but not soaked, strips of rag should be wrapped round the stems.

The Jumper Returns.

HAND-KNITTED jumpers return to favour this season—and I have seen some charming versions of this useful fashion knitted in white silk and hand-embroidered at neck and hem with coloured silk cross stitch in red, yellow, green, and black, like Rumanian peasant needlework. A patent leather waist-belt in black was worn with one of these jumpers.

A Pioneer.

IN "Millicent Garrett Fawcett," by Mrs. Oliver Strachey, the biographer, chosen by Dame Millicent herself, has contributed an authentic record of long years of patient, painstaking propaganda on behalf of the Women's Suffrage Movement, conducted by a woman who combined serenity of spirit and calm judgment with a certain dauntlessness and unquenchable optimism.

There is the golden thread of Romance, too. The "Harry" of the letters and reminiscences now published was Professor Henry Fawcett, the blind Postmaster-General. Dame Millicent was a girl of eighteen when she met young Mr. Fawcett, who had just become member for Brighton.

It was a case of love at first meeting on the part of the young politician, who had been blind for eight years—he was thirty-two—and the marriage that took place in 1867 was one of unbroken happiness.

"Millicent Fawcett was very nice to look at.... She was small, and looked all the smaller beside her huge husband. She had a lovely complexion, and masses of shining brown hair.... Her voice, which was very clear, was all that Harry could judge; but he was always asking his friends how Milly was looking, and begging them for descriptions of her face."

Professor Fawcett died in 1884 mourned by a multitude of friends and followers. Forty-three years later his widow, in a letter to a friend on the anniversary of her husband's death, wrote: "It seems almost impossible to realise that it is forty-three years ago since all that wonderful part of our life together ceased; but as you know, the memory of it will last as long as my life continues."

In innumerable ways, Mrs. Strachey's book indicates that Dame Millicent was one of the great Victorians belonging to a generation of men and women whose qualities of mind and heart we are only now beginning to appreciate at their proper value.

HAVE you renewed your subscription to the—
"Radio Record and Home Journal?"
Box 1032, Wellington.

Our Cookery Corner

Tomatoes Milanese.

CUT some large firm tomatoes in halves—allow a whole tomato for each person and sprinkle the cut side of each half with a pinch of castor sugar, salt and pepper, and a saltspoonful of grated onion.

Put each on a circle of toast which has been buttered and sprinkled with grated cheese, place in a baking tin, and sprinkle more grated cheese on top. Add a knob of butter to each tomato, and bake in a hot oven.

The onion may be left out if desired. These tomatoes are delicious served with grilled or devilled ham, if you spread some freshly-made mustard on the toast before sprinkling with cheese.

Tomato Baskets.

Six medium-sized tomatoes, two boiled potatoes, one hard-boiled egg, a few tablespoonfuls of cooked peas, one tablespoonful of mayonnaise and one tablespoonful of chopped cucumber.

Method: Wipe and slice tops off the tomatoes. Scoop out the pulp with a teaspoon. Dice the potatoes and chop the egg finely, and mix all together with the cooked peas, cucumber and mayonnaise. Add a little celery salt and pile up the mixture in the tomato cups, serving cold and garnishing with tufts of crisp parsley.

Lemon Sponge.

LEMON sponge is one of the most delicious sweets. The following is a reliable recipe:—

Put in a saucepan the rind and juice of two lemons (but none of the white pith or your sweet will have a bitter flavour), a pint of water, and 6oz. sugar. Bring to the boil, and keep boiling for five minutes. Have 2oz. cornflour blended in a very little water. Strain the lemon mixture over this, stirring vigorously. Return to the pan, and boil briskly for ten minutes, stirring all the time.

Remove from heat. Separate yolks from whites of two eggs. Beat the yolks and add them to the lemon mixture when it is cool and partly set. Stir over gentle heat, taking care that it does not boil. Cool again while beating the whites of the eggs. When they are stiff put them into the mixture, and pour it into a glass dish. Serve when cold.

Queen Pastries.

Eight ounces puff pastry, two ounces butter, six ounces icing sugar, white of one egg, half a large can good quality apricots, peaches or strawberries.

Method: Drain the fruit and rub through a sieve. Cream the butter and stir in the icing sugar. Fold in stiffly-beaten white of egg and fruit puree. Whisk until the mixture is fairly thick. Put aside until required. Roll out the pastry until it is a quarter of an inch thick and cut into rounds with a 2in. cutter. With a 1in. cutter, cut out the centre, but avoid cutting right through the pastry. Place on to baking sheet and bake in a very hot oven. When cooked, cool on a sieve and fill with the fruit filling.

... With ... BOOK and VERSE

By "John O'Dreams"

A Wellington Playwright

PRIVILEGED to hear a reading of an original drama entitled "The Child of Destiny," much of literary and entertaining quality was apparent which intrigued one's interest and encouraged the hope that New Zealand ultimately will produce playwrights who will count in the world of letters. Stimulating dialogue, acute psychology, a background of political machinations, and romance suggested rather than described, are factors in causing the play to go with vim and vivacity, though somewhat over-lengthy in the second last scene. Or so it seemed, but possibly this would not be evident in presentation on a stage with essential appurtenances.

The protagonists are President Buckleigh, harassed by national graft abroad and domestic infelicity at home; Letitia, his wife, thin-lipped, soulless and ambitious; Hugh Pfaff, the bad man; and Senator Wiffen, a kindly cynic, whose frank comments on women in general and his friend's mercurial spouse in particular add considerable wit and point to verbal construction. Skillfully limned concomitant of butler, housekeeper, and secretary round out the personnel, and there is a convincing soothsayer who foretells, with uncanny veracity, brilliant and tragic destiny.

More of wit than of humour in the play, and much straight-out melodrama, with a strong and surprising climax; Senator Wiffen being martyred for his good offices in the suppression of graft, and President Buckleigh poisoned by distraught wife, whose reason totters almost literally before our eyes. The final curtain descends on Cimmerian gloom in this arresting contribution to theatrical literature from the pen of Mr. Victor Lloyd, whose novel "Son of Peter," and radio plays have already quickened attention of appreciable circle of readers among the intelligentsia of this Dominion.

Jottings

ANOTHER thriller, and an excellent one, is "The Crime Without a Flaw." Several people may legitimately be suspected of killing Mrs. Britan down in the West, yet they all seem able to provide the two delightful sleuths from Scotland Yard, with an entirely satisfactory alibi. Inspector Brock, however, is something of a psychologist, and capable of wearing down his quarry. Mr. Leslie Depard has been most successful in his latest essay in fiction, and we hope to see more of his very engaging detectives.

Prize Poem Competition

THE prize of half a guinea in the current competition is awarded to "Chris" for the poem "Maid Morning," which captures in graceful form something of colour and glamour of the hues of early hours of day of an unsullied world. Specially commended, and reserved for further consideration, is "Karakia's" "Sawdust," which is a deification of the apparently commonplace, written in the modern manner.

O.E.H.: Thanks for charming note. We like your liting "Sunlit Road," and lyrical lines on a broken friendship. The latter, with repetitive words omitted, would be delightful if set to music. No doubt at all concerning your imaginative and poetic flair.

"Caesar": Sorry we have not space for publication of your entrancing vignette of beauty, which has the elusive quality of poetry.

"Country Cornflower": Your poem is as sweet as your name.

M.E.G.: Of the two contributions submitted we prefer "Night Comes," which, though slight in theme and treatment, gives an effect of completeness and displays greater originality than the longer poem.

"Esbe": Your lyrical tribute is attractive in graceful spontaneity and awareness of spiritual balm bestowed by Nature the great Nurse.

"Rustic Spring" is in realistic vein, and bears stamp of faculty for recording impressions garnered by acute observation.

"Florentine": We think your inquiry has reference to Thomas Hardy, English poet and novelist, and author of "The Dynasts."

Nova Scotia: No doubt about the audacity, but is this poetry!

Fair Maid of Perth: Meticulous care is apparent, but not even a nodding acquaintance with the Muse.

Maid Morning

*I saw the fair Maid Morning pass,
Across a field of dewy grass,
Into a sylvan glade.
She beckoned and I followed on
Where round her feet bright diamonds shone,
Reflecting every shade
Of every scintillating gem
Adorning monarch's diadem—
Yet there so freely laid,
She led me to a bosky dell
Where primrose pale, sweet asphodel,
And blue forget-me-not
Wrought broderies beside the stream
That lulled my senses to a dream
In that enchanting spot;
Tho' 'twas to me so strange a thing
That there I should be lingering,
The world and time forgot.
But quietly beckoning again
Back to the haunts of busy men
She led me just on time;
And with me down a city street
The echoes of her fairy feet
Kept liting into rhyme
Like sweet bells' distant chime.*

—"Chris."

MR. YEATS-BROWN, who made a name for himself with "Bengal Lancer," has written a "true story," provisionally called "Eveline." It deals with the maze of plot and counterplot in Constantinople during the fateful years 1910-1920.

TO be successful to-day as a humorist, it would seem, you must lay about you with a pretty heavy bludgeon. In "By the Way," you have Mr. J. B. Morton in his role as "Beach-comber," reprinting a year's drolleries, and whether he is playing satirist, parodist, or maddest of hatters, he is attacking the shams and hypocrisies of present-day civilisation. There are those who find this author tiresome, but there are others to whom he is a joy, who love to read of the doings of Lady Cubstanleigh and Mr. Roland Milk. A delightful volume to pick up occasionally from that bedside table where are collected all sorts and conditions of literature.

RATHER unexpected to find Miss G. B. Stern writing a thriller, but she has done so, and quite an entertaining one too. Mrs. Framlingham has a party on the Riviera, and so has Lady Humber. And Mr. Fred Poole, a comedian, is found dead one night in the former lady's villa. Was he murdered, and, if so, was that nice young Lal the villain? That is the problem, and it is set out with considerable verbal dexterity. For those who adore a mystery, combined with agreeable chatter of social doings, "The Shortest Night" will be most welcome.

IN "The English: Are They Human?", the author, Mr. G. J. Renier (by birth a Dutchman), narrates that he found the learning of our language "excruciatingly difficult," and that he looks upon us as a very peculiar sort of people. When he came to England, he says, he was convinced that nations differed from one another only on points of subsidiary importance. Soon he abandoned that theory, however, and has remained to this day an outsider and an alien. "The foreigner," he says, "only sees the perennial puzzle of an Englishman's face that guards the secret of his soul like a sphinx before a temple when mysterious rites are celebrated, and London itself presents the same immovable appearance; it is as inscrutable as it is immeasurable." As he learnt to know the English better his liking for them increased, but quite definitely came to the unshakable conclusion "that the world is inhabited by two species of human beings, mankind and the English."

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World Radio News

RADIO'S "remarkable development" evidently has tended to whet the public appetite for books rather than diminish the demand, according to the results of the library survey undertaken by the U.S. Office of Education. During the past six years, in which broadcasting has steadily mounted in public favour, libraries throughout America have shown meteoric expansion, with a recorded increase of 33,500,000 books.

IN the new Earl Haig Memorial Homes—a block of nearly 200 houses and flats in Surrey, England—each house is provided with a wireless "point," connected to a central receiving set. The homes are reserved for disabled ex-servicemen and for war widows.

A RESIDENT near the Croydon aerodrome, London, was annoyed one afternoon by an aeroplane which was stunting over his house. He 'phoned the aerodrome, and a few minutes later the stunting ceased. The authorities had reproved the offending pilot by wireless.

THE B.B.C. has a novel method of gauging the popularity of its programmes. It watches very carefully the complaints about oscillators. It appears that these are intensified just before notable broadcasts, because on these occasions listeners are trying to get as much volume as they can from their receivers.

SEVERAL prominent German radio manufacturers have decided that all electrical apparatus constructed by them will in future be designed in such a manner as not to interfere with neighbouring wireless receivers. It is reported that Continental manufacturers generally are following this good example in their endeavour to eliminate as far as possible all sources of interference.

THE U.S. Department of Commerce lately prepared a separate list of the women transmitters in U.S.A., who number 84 out of a total of about 19,000 amateur transmitters. Most of them are stated to be excellent operators. Great Britain, however, can boast only of two; G2IA in Lanarkshire, and G6YL in Northumberland. New Zealand has two—one in Wellington and one in Dunedin.

THE Press in Morocco evidently have strong broadcast sympathies, for the newspapers are uniting in a campaign against the loudspeaker tax, initiated by the municipal council. According to a French contemporary, a cafe proprietor operating a loudspeaker during the normal hours of human activity must pay 25 francs a day. After 8.0 p.m., however, the rate rises rapidly to 100 francs per hour, thus preparing the unfortunate owner for a further jump to 225 francs per hour at 10 p.m. Fortunately for him, the local transmitter closes down at midnight.

THE German radio industry does not appear to be affected by the prevailing trade depression (states an English contemporary). According to a recent survey, Germany is exporting 50 per cent. of her output of wireless valves and accessories, and is also finding a foreign market for 20 per cent. of her factory-built sets.

"CLANDESTINE transmissions" are being relentlessly suppressed in France. A police tribunal of the Seine has recently fined or "imprisoned" three amateurs for using unlicensed transmitting and receiving sets. One of them was fined 50 francs and the other two, in addition to a fine of 100 francs, were condemned to eight days' imprisonment with "sursis." However, the sentence is not so severe as it appears, for imprisonment with "sursis" (reprieve) is common in France, and the period in gaol is served only on the paper in which the sentence is recorded.

IN Great Britain there is only one long-distance express equipped with radio apparatus enabling passengers to listen in en route. This train is on the L.N.E. Railway, and runs daily between London and Leeds. A charge of one shilling is made for the hire of headphones, which the traveller receives in a sealed sterilised wrapping. Recently the Great Western Railway Company, which connects London with the west of England, has been conducting tests with a view to equipping all its expresses with radio. On these tests, a four-valve receiver, operating from the train's lighting system, gave quite satisfactory headphone reception.

IN the midst of the transmission of one of the dramatic works of the present poet, Johan Fkjoldborg, Danish radio listeners were respectively shocked and amused to hear distinctly a voice remarking, "What awful rot we are sending to-night." An inquiry was held the following day, but the truth was never told to the public. To hide the facts, a carefully and most diplomatically-phrased statement was issued in which it was admitted that the startling remark really might have come from the studio itself, but the identity of the person responsible was not revealed. The statement concluded with references to some technical error, with a promise to have it remedied. The true explanation is more amusing. The announcer, who spends his time in a sound-proof room where visitors are strictly prohibited, had a visitor in his office that night with whom he was discussing the quality of the programme. The microphone in the announcer's office is by automatic arrangement cut off whenever broadcasting is going on in the studio, but Fate would have it that the microphone should become reconnected just as the announcer was making his drastic comment on the programme. And the man who switched it on was no less a person than the chief of the Radio Corporation!