

PUBLISHED WEEKLY

THE RADIO RECORD

AND SERVICE ECONOMY COMFORT EFFICIENCY
ELECTRIC HOME JOURNAL

Vol. III., No. 52.

WELLINGTON, FRIDAY, JULY 11, 1930.

Price, 3d.



Do you watch the "danger spots"

What are the critical points in a set that everything else depends on? The valves, of course.

There is no set cheap enough to warrant careless valve buying. Genuine Radiotrons get something more out of even the poorest set.

And there is no set so expensive that valve quality doesn't matter. For, nothing short of genuine RCA Radiotrons can get the great music and remarkable performance that a really fine set is capable of. They're the very heart of the whole performance!

RCA RADIOTRON
FOR BETTER RADIO RECEPTION

Obtainable from all Good Dealers!

Amalgamated  **Wireless**
(Australasia) Ltd.
G.P.O. BOX 830, WELLINGTON.

A Watchman on the Inside

THE silver colour inside a genuine Radiotron UX-199 and UX-201-A is a chemically active substance always on the look-out.

It is caused by the sudden evaporation of a bit of chemical inside the valve, to make the most nearly perfect commercial vacuum still more complete! But, after three methods of exhaust are applied to your Radiotron, there may still float about in it a few atoms of air or gas. They may be invisible to the finest microscope, but they get in the way of perfect reception. The silver colour in the valves, however, is an active film that attracts and holds these air atoms—keeps them away from the vital parts of the valve—makes it work better—last longer.

When you are buying a valve of the silvery type, and want to make sure of the efficiency of that inside watchman, just be sure to get a genuine RCA Radiotron. The mark is on the bottom.

NEW PHILIPS AE VALVES FOR AMERICAN RECEIVERS

F203	POWER VALVE	28/6
F109	AMPLIFIER DIRECTLY HEATED	14/-
F209	DETECTOR & AMPLIFIER INDIRECTLY HEATED	22/-
F242	SCREENED GRID INDIRECTLY HEATED	29/6
C603	POWER VALVE	15/-
I560	FULL WAVE RECTIFIER	25/-

**POSSESSING REMARKABLE
RIGIDITY WITH LONG LIFE
SENSITIVITY & CONSISTENT
PERFORMANCE**

**NOW AVAILABLE
AT ALL DEALERS**

They're Better if They're Philips

Should you stay up all night—to listen in?

MOST of the dreams we weaved ten years ago have become commonplace facts. The magic bottle, variously known as the vacuum tube, the valve, et cetera, which came into the country a few years ago has changed erstwhile visions of possible effects to everyday, matter-of-fact circumstances.

Nowadays one is inclined to peer inside the cabinet of a friend's new radio set, observe the number of valves and descant upon the prospects of hearing a broadcast from Siam or Zanzibar. But less than 10 years ago, when circuits and sets were not so foolproof and banks of transmitting valves as big as footballs could not successfully span the earth, listeners were not so blase.

About eight years ago there was a fine frenzy for transmission on twenty or thirty thousand metres, when commercial radio engineers were inclined to be derisive of dogged experimenting by amateur "hams" with their junk piles of wire, loose-couplers and ever-changing circuits. But the scoffers were wrong.

Since then one has seen abundant proof that amateur experimenters were responsible for many of the major advances, the results of their patient vigils till four and five o'clock in the morning giving the impetus to scientists in the research laboratories of radio and electrical syndicates the world over.

Engineers of commercial enterprises thought that distance was in direct proportion to wavelength (or so it would appear from their attitude at that time) and were only too ready to suggest that amateurs could adhere to shorter wavelengths without very much harm rebounding to themselves, or help to the industry.

THE achievements of New Zealand amateurs were gazetted in newspapers throughout the world, in particular: Mr. W. M. Dawson, one-time instructor in mechanical and electrical engineering to Ashburton Technical College, but now technical engineer with the New Zealand division of a prominent firm; Mr. Ralph Slade, technical associate in the same company, but at one time the highly successful owner of transmitter 4AG, in Dunedin; Professor "Bobby" Jack (Dunedin), Messrs. Frank Bell (Shag Valley), Jack Orbell (Christchurch), and Ivan O'Meara (Gisborne), who rank among those whose enterprise and practical vision earned them world-wide approbation and encouragement.

A few days ago the "Record" had a short talk with Mr. Dawson, reverting his memory to the days (but particularly the



MR. W. M. DAWSON,

Technical Engineer of one of the leading N.Z. radio firms.

This article concerns some who did— and why!

early mornings) when he and Mrs. Dawson collaborated in attempts to place radio transmission at the head of new pathways.

Mr. Dawson smiled quizzically in retrospect. "Life was full of real thrills then . . . it was a red letter day when we worked two foreign stations, but when we had registered four or five—!

"I'll never forget those times. Working Australians till they went to bed, and then the Americans. Going to bed at seven o'clock in the morning. And the first time I got into touch with an English amateur! That was a thrill, but it was a coincidence, too! One afternoon I received the card of 2LZ, giving his wavelength and power, so I thought I'd try to reach him

with my own home-made little transmitter.

"Well, it worked, with a power input of only 2.5 watts! Nowadays it is nothing for amateurs to work four or five countries every afternoon.

"I believe the work of amateur transmitters will eventually be a potent factor in the settlement of world peace.

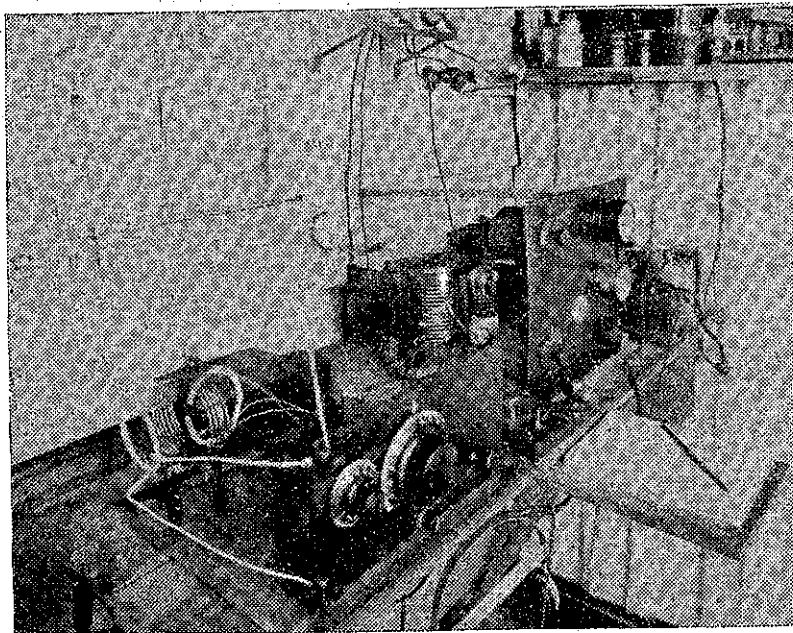
"I really became interested in radio about nine years ago. For some time before the first valve came into the country

I had worked with crystals. After experimenting with works-manufactured valves I thought I'd like to make one of my own, so I blew my own glass shape, inserted the filament of an ordinary electric lamp, evacuated then sealed it. The life of these valves wasn't very long, you may be sure, but they worked.

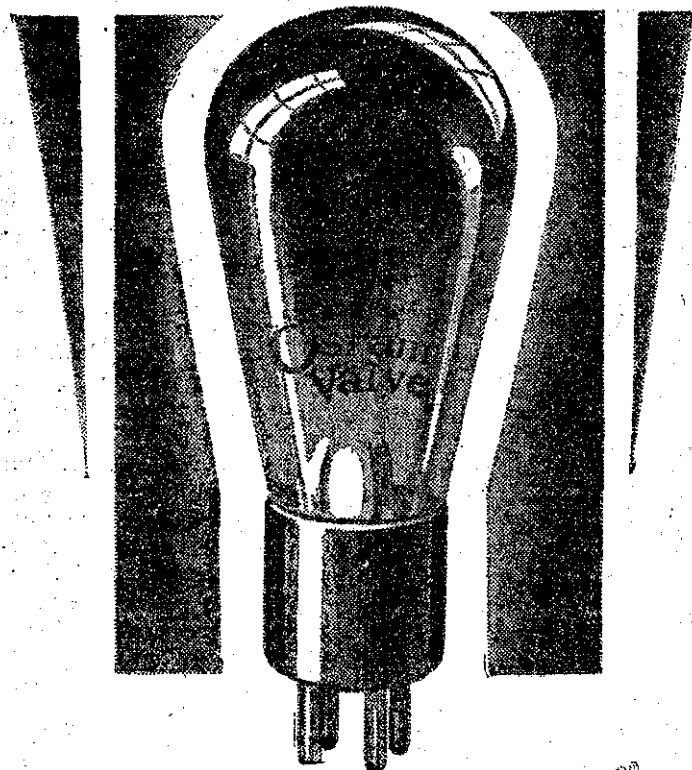
THE chief urge was, of course, to evolve new circuits. Once that branch of the hobby had been developed the question of promoting better efficiency arose, and with that the reaching over greater and still greater distances. It was a case of thrill upon thrill in those early days, and yet they're not so far away after all, are they?

"Then there's that afternoon I got into touch with a French amateur. I'll never forget that. For some time I had attempted and hoped to

reach him, and on this particular afternoon I tried and tried, but without any audible result. I was about to close down, disgusted with radio in general and French amateurs in particular, when through the telephones came my own call-sign, 3AL, followed by the station sign of the man whom I had so often tried to get. I was so excited when he had finished calling that my telegraph key developed a stutter, and it was some few seconds before I was able to straighten out (Continued on page 40.)



You wouldn't think anyone could get a thrill out of this set, would you? Yet, it once was a record-breaker, and when foreign "hams" heard 3AL's call it provided its owner with thrills in plenty.



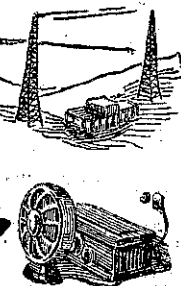
P.625.A *the* power valve that has eclipsed all previous performance

DESIGNED to handle enormous volume, entirely free from distortion, in the last stage of amplification, Osram P625A has been proved by wireless enthusiasts throughout Australia to possess exceptional qualities. There is no valve to compare with it, particularly for use in gramophone amplifiers. If you cannot obtain it locally—or any other Osram Valve you need—it will be sent direct, safe delivery guaranteed. The "Osram Valve Guide"—a useful little book—will be sent you free on request.

SPECIFICATIONS:
Fil. Volts . . . 6.0 max.
Fil. Current 0.25 amp.
Plate Volts . . . 180 max.
Amp. Factor . . . 3.7
Impedance 1,600 ohms
Nor. Slope 2.3 ma/volts
Max Plate Cur. 28 m.a.
Equiv. UX171A, C603

Osram Valves

Made in England



ALL secondary schools in San Paulo, Brazil, have been fitted up with all-electric receivers, and suitable programmes, compiled by a board of teaching experts, are broadcast.

DURING 1929 over 39,800 patents were applied for in England. The majority of these were connected with sound pictures, radio, colour kinematography, loud speakers, and television.

RUSSIA'S vast plans for radio are exciting interest throughout the world. A five-year plan calls for 87 stations of 948 kilowatts total power and 101 subsidiary stations.

THE police headquarters in Budapest is to be equipped with a powerful radio transmitter, and the 250 most important police stations in various parts of Hungary are to be supplied with receiving sets.

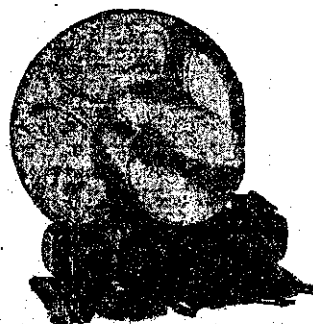
A LEADING London daily was inquiring recently as to the reason why parsons are not paid for their services when broadcasting for the B.B.C. An official of the latter company, in reply, advanced as the principal reason for the omission the regulation laid

down by the Religious Advisory Committee. This recommends that the clergy should not be paid a fee for broadcasting, and that only out-of-pocket expenses should be met. It certainly appears unfair, for instance, that Sir Harry Lauder should be paid £1000 for three broadcasts, and yet the parson when he broadcasts a religious service should receive nothing.

A CERTAIN amount of sympathy seems due to a London listener who was recently charged with damaging a neighbour's wireless aerial. He admitted the charge, but in his defence stated that he was driven to do so after his neighbour had oscillated persistently for two hours. The case was dismissed on condition that the defendant paid 9/- costs and made good the damage.

FRENCH listeners who are annoyed by electrical disturbances are highly satisfied with the result of a recent lawsuit in connection with radio interference. The judge ordered the dismantling of a costly electric sign, and awarded substantial damages to a Paris listener whose reception had been spoilt.

The Speaker of the Year



Wait for the new Junior and 1931 Series—there is a model for every pocket.

Wright-Decoster

To those who know, there is only one real reproducer—Wright-Decoster.

Only Wright-Decoster is capable of permanently pure, natural reproduction that sparkles brilliantly—Musically.

Improve your reproduction now with the correct Wright-Decoster. Your Radio or Sound System is only as good as its reproducer.

Full information gladly given by the N.Z. Wright-Decoster Agents:

J. A. SMYTH & CO.

71 Victoria Street,

Wellington.

THERE'S NO SUBSTITUTE FOR WRIGHT-DECOSTER.

Radio, the Home Builder

Success of the Christchurch Radio Olympia



DISTINCT success has been achieved in the second Christchurch Radio Exhibition, held last week. This show, organised by the local dealers, was held in the Art Gallery, two halls of which were employed, one for the presentation of the concerts and another for the amateur transmitters, who had an interesting display.

A unique scheme was lit upon, and all the exhibits showed some aspects of the modern home and its relation to radio. The nine bays depicted radio in different sessions. Figures were displayed so that each exhibit might be a room in any home.

On entering the hall, says the "Star," the first stall on the left, No. 1, was that of Messrs. A. E. Strange. Here were to be seen all the "gadgets" dear to the heart of the crystal user, the one and two-valver and the man who, like Helen's babies, likes not only to "see the wheels go round" but also likes to make and set these same "wheels" in motion. Here were crystals, coils, transformers, valves, audio-couplers, variometers (almost forgotten by many), loudspeakers, etc.—a fine show, especially for the enthusiast whose wireless set has to be built little by little and after grave consideration of ways and means.

The next was bay No. 2—laid out as a drawing-room "scene" with several fine examples of console and table type Radiola receivers. The bay was that of Messrs. S. G. Clark, Ltd., and, with No. 8 (also devoted to R.C.A. products) was attractively laid out.

Bay No. 3—Messrs. Watkinson, Ltd.—was the home of the Kellogg. Here the scene selected was one representing children listening to bedtime stories, by means of a ten-valve Kellogg receiver, what time the little ones toasted their toes before the fire. The Kellogg on view comprised a three-stage screened grid outfit—console cabinet type with built-in dynamic loudspeaker. A table model Kellogg in mahogany (as was the console) was also on view.

A Dance Hall Lounge.

AT bay No. 4—Direct Supplies, Ltd.—Philips products took the eye. Laid out as a dance-hall lounge—with man and girl complete—there was still room for several Philips receivers. Interesting sets were found in the "flat-dweller's friend"—the little A.C. Q.P.—an all-electric for the man or woman content to tune in the local station only; a very compact (10 x 4 x 8 inches) short-waver (also capable of extension to an "all wave" of 10 to 2400 metres); a console set of two stages of screen grid, detector and pentode, a balanced armature loudspeaker; and a "consolette" complete.

The fifth bay was that of Messrs. Newton and Fenton, Ltd. The stall was arranged to represent a woman's room—sewing-machine, workbasket, materials and wireless set complete. The receivers on view were the well-known Dayton Navigator, an 8-valve (and rectifier) outfit that was of particular interest in that the cabinet work of the console was carried out

by Messrs. Wilkinson Bros., of Colombo Street, in New Zealand walnut and beech.

The cabinets on view were beautifully made and lost nothing in comparison with the imported article.

WITH Mr. J. I. Small and his assistant, Mr. Vincent, in charge of bay No. 6, one knew at once that here would be found the local home of the Majestic. The stall was arranged to represent a dinner-room, with table set, maid in attendance, and cocktails on the side. Of course there were two Majestics.

No. 7 stall held the Rogers—the Britisher—presented by Messrs. A. R. Harris, Ltd. Two instruments were shown, the 550 "Highboy" and the 530 "Radio-gramophone console," both lovely instruments, made under ideal conditions by a firm which is Canadian owned and controlled. The bay represented that refuge of mere man, his study. Here Mr. Man was shown at home, with a pipe in full blast, "consolation" (in decanter form) handy, at ease in a chair with a newspaper across his knees and the "latest sports news" coming hot off the air through a Rogers.

"Children's Hour."

THE next stall, No. 8, was devoted to R.C.A. products, the local agents of which are Messrs. Webley, Sons and Goffon Ltd., and Messrs. S. G. Clark Ltd. (stall No. 2). The scene here was representative of a children's room, with the little ones listening in to the "Children's Hour." Several Radiola sets were on view, as the wholesale agents in New Zealand are importers of Radiola chassis to be assembled and housed in consoles and cabinets of New Zealand manufacture, the examples shown possessed the additional attraction of appealing to those to whom "Buy New Zealand

Goods" is a slogan to be acted upon whenever possible.

Last, but by no means least, was the stall No. 8, wherein the Crosley, in several types, was to be seen and admired. Here the local Crosley agents, Messrs. L. B. Scott Ltd., had chosen a library (house) scene as the setting for their screened-grid outfits. Housed in well-finished walnut consoles with built-in "Dynacoil" (moving coil) loudspeakers, and fitted with the "non-puncturable" Mershon condensers that are a feature of the internal "works" of these sets, the receivers on show attracted considerable attention.

A GOODLY crowd around and in a doorway at one corner of the main room was evidence that something out of the usual listener's province was to be seen. And it was so. Here were two interesting features of the Olympia—the exhibit by the Radio Society of Christchurch and a short-wave transmitter in full operation. The Radio Society had sets old—very old, ancient in fact—and new. Cheek by jowl were to be seen tiny "peanut" valves, old W.D.11's, and giant 250-wattors. Then there were the aeroplane transmitters, with, nearby, a "wing generator" used for the supply of power—such as was used by Kingsford Smith on his famous Southern Cross; a Hartley transmitter, a tiny "portable" of that ilk (that "works" on 90 volts and has been heard in Auckland), other sets, gadgets, and cards and cards galore.

The transmitter's section was in the control of Mr. W. Toon (ZL3CM) and he was kept busy sending out greetings from visitors to the show to friends and relations in Australia and New Zealand who were within reach. Up to 10 o'clock last night Mr. Toon had taken in and dispatched by Morse code over 100 messages.

THE stage and audience chamber were, as might be expected, tastefully laid out, the former with due regard to broadcast requirements. Here one saw little to indicate that actual broadcasting was in progress. Two slim columns supported the inconspicuous microphones, the "control" man and his panel of instruments being hidden at one side behind the grand piano.

The microphones on the platform were used for individual artists or for small groups. When the band was put "on the air" these microphones were switched off, the sound being picked up by another microphone suspended well above the heads of the audience in the centre of the hall. Visitors were able to follow the whole process of broadcasting as it is carried out in an ordinary radio studio.

The stalls were made the subject of an interesting competition, the prize for which was a £40 radio set. This competition aroused much interest, the task being to place the various stalls in the same order of merit as the award of an expert window-dresser.

The official opening was carried out by the Rev. T. K. Archer, Mayor of Christchurch.

The Mayor's Speech.

IN opening the Olympia, the mayor expressed his pleasure with the task which had been placed in his hands. From a glimpse of the exhibition he had gathered that there were many things of beauty and utility, and the firms responsible for the display deserved every encouragement.

Radio, Mr. Archer said, was serving a great purpose in the life of the community. In New Zealand four big stations were in operation with a rota so arranged that there was never a day when there was not at least three

(Concluded on page 12.)



3YA Symphony Orchestra, which played last week at the Christchurch Radio Olympia. This very efficient combination is under the conductorship of Mr. Harold Beck.

M

the most important
letter in the Radio Alphabet

---because it stands for

M-A-J-E-S-T-I-C

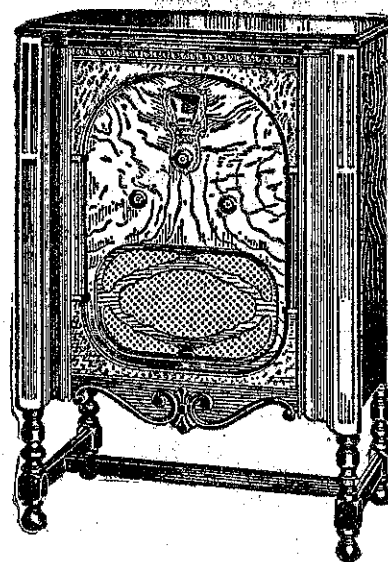
THERE is no question of the supremacy of the mighty Majestic All-Electric Radio. Year after year this super Radio Receiver races far ahead of the field. And why? It is because Majestic, regardless of expense, has made a radio set and speaker that gives all the tones naturally, in their full colour, over the entire musical range. You can tune in your Majestic, sit back, and enjoy the finest possible in Radio entertainment.

Exquisitely-finished Walnut Console
Cabinet Models from **£43/10/-**

DISTRIBUTORS: Lewis Eady, Ltd., Queen St., Auckland; G. S. Anchor, 165 Victoria St., Hamilton; J. A. Malcolm, Huntly; D. McL. Wallace, Te Aroha; Francis Bros., Whakatane; G. T. Guide, Opoitiki; Garnett Keene, Whangarei; Guinness Bros., Tauranga; W. Melrose, Taumarunui; Screamers Stores, Halsensville; Mr. McIntosh, Waiuku; Lewis Eady, Ltd., Victoria St., Hamilton; Chase's Motor Garage, Rotorua; Keogh & Bellerby, Lowe St., Gisborne; Kirkcaldie & Stains, Ltd., Lambton Quay, Wellington; F. J. Pinny, Ltd., Willis St., Wellington; David S. Laing & Son, Ltd., Shakespeare Road, Napier; Gramophone & Radio Co., 7 Wainui St., Dannevirke; W. H. Anderson, Takapau; W. B. James, Waipawa; Rees Radio Service, 217 Heretaunga St., Hastings; C. B. Hansen & Co., Dalton St., Napier; S. F. Anderson, County Garage, Wairoa; J. B. MacEwan & Co., King St., New Plymouth; H. Collier & Co., Ltd., Devon St., New Plymouth; T. W. Ward, Tariki; E. Dixon & Co., Hawera; J. Rattenbury, Waitara; Foord & Keller, Bridge St., Eltham; J. Gibson, Eltham; C. W. Rait, Raetihi; Berryman's Music Stores, Palmerston North; J. C. Davidson, Pahiatua; D. A. Morrison & Co., Victoria Ave., Wanganui; C. H. Edwards, Bulls; W. E. Peacock, Main Trunk Motors, Ohingaiti; Mr. McLeod, Turakina; J. I. Smail, 734 Colombo St., Christchurch; Brehaut Bros., 194 Stafford St., Timaru; D. G. Ashley, Waimate; W. Lockhead, Mt. Somers; Frew Bros., Amberley; H. Lublow, London St., Lyttelton; Clarkson & Hanrahan, Springfield; Leeston Motor Co., Leeston; T. McCaughan & Co., Akaroa; Wild & Bassett, Hokitika; J. Batstone, Kirwee; J. Adam, Dennistown; W. S. Walsh, Ashburton; Barnett's Radio Supplies, The Octagon, Dunedin; K. A. King, Oamaru; C. F. Smith, Palmerston South; L. Kerr, Waikouaiti; J. Gilbert, Pt. Chalmers; F. T. D. Jeffery, Roxburgh; D. A. Jolly & Sons, Cromwell; H. A. White, Alexandra; Jas. Gray & Sons, Milton; Grant & Clark, Belclutha; Dominion Elec. Eng. Co., Ltd., Main St., Gore; Dominion Elec. Eng. Co., Ltd., Don St., Invercargill; Wylie Bros., Tapanui; Ball & Walker, Wyndham; W. E. Diack & Co., Riverton; Wilkins & Field Hardware Co., Nelson; John Burns & Co., Ltd., Blenheim; Rabone Bros., Blenheim; A. B. Clark, Kaikoura.

Factory Representatives:—SPEDDING LIMITED.

AUCKLAND, WELLINGTON, CHRISTCHURCH, DUNEDIN.



MODEL 91

Majestic

RADIO

"Mighty Monarch of the Air"

Majestic Valves

—fitted to your set, will give you
added Range and Volume, with
Richer Tone. From all Majestic
Dealers.

Spelling Bee becomes widely popular

Appreciative Correspondence Promises Interesting Final

Less Than Three Weeks to Go



THE interest being shown in the Spelling Bee is exceeding all expectation. Already there are entries; letters expressing appreciation of our efforts to recall the old spelling bees, and even poetry. Everywhere we are encountering people who think the idea excellent, and not a few are organising miniature spelling bees for practice. We believe the entrance fee of 1/- is meeting popular approval.

BELOW we publish a poem: "inspired by our cultural efforts." It is typical of the spirit we are encountering every day.

The Spelling Bee

O'ER all the land, both near and far,
The edict has gone forth,
We're all to learn to spell again,
To spell with all our might and main,
From furthest south to north.

Our brains, long eased from mental strain,
Must turn again to toil.
Great words like "surreptitiously"
Which mix themselves maliciously,
Our scattered senses foil.

So when we see our dearest friend
With wildly-moving lips,
Pursuing the elusive vowel,
His forehead bound with cooling towel,
He's only swatting "tips."

With schooldays left so far behind,
We'd thought to break our chain.
The "Record's" called us back to class
To try each other to surpass
And win a prize again.

—D.W., Seatoun.

AND here is a letter from a correspondent—Tum Jowns,—who evidently wants to join the Lower Hutt club that was spoken of last week. We wish him luck:—

"Dere Zur,—

"Oi bee only a mon frum Kory Kory neer Peetoni an oi sees hin thee
"Raydeo Rekkord" has ow thay wos gooin ter old a spelin be an has ow thar
wos staartit a Kloob et Loor Ut fer praktis.

"Kud u sen ther sekkertris haddres has oi wud jipe an oi opes oi chal av
chanst hof ferst prise.

"ewers trull,

"TUM JOWNS."

Details of Prizes and Outline of £100 Contest

1st Prize: Order for £50, to be spent on a Radio Set or apparatus from approved advertisers in the "Radio Record."

2nd. Prize: Order for £20, to be spent in the purchase of electrical apparatus or equipment from approved advertisers.

3rd Prize: Order for £5 worth of radio or electrical apparatus.

Twenty-one orders for one guinea's worth of radio or electrical apparatus from approved "Record" advertisers. These orders will be given to the three place-winners in each of seven main sections, consisting of:—

- | | |
|--|--------------------------------|
| (1) University or college students. | (2) Teachers and lawyers. |
| (3) Secretaries and stenographers. | (4) Press and advertising men. |
| (5) Professors, ministers and educationalists. | (6) General section—men. |
| (7) General section—women. | |

No. 4 List of Words.

impenetrable
imperator
imperceptible
imperfector
impermeable
imperturbable
implemental
implicative
imposturous
impracticability
imprecatory
impressario
imprimatur
impugnable
inaccessibility
inaccuracy
inadmissible
inadvertency
inapplicability
inappreciative
inappropriateness
inaudibility
inauguration
incandescent
incendiarity
incorrigible
incredibility
indefeasible
indelibility
ineradicable
infinitesimal
ingredient
inimically
innovator
insentient
intransigent
intrinsicity
inveteracy

javelin
jeopardy
jemmiad
judicature
judiciary
juggernaut
jugalur
juridical

justiciary
justificative
jubilate

kaleidoscope
kinetics
koniscope
kudos
knout
knowledgeable
knackiness
kentledge
katydid
kanaka

labially
labyrinthine
lacerable
lackadaisical
lacteal
lactescent
lamentable
lapidary
lapidification
larynx
lascivious
lascar
lateral
latitudinarianism
latitudinous
latitudinal
leasable
legendary
legitimist
leguminous
lesion
lethargically
leveller
leviathan
libidinousness
liegeman
ligature
ligneous
lineament
lineage
lineally
liniment
liquor

liquidable
liquorice
lithographer
litigant
litterateur
lobliolly
locative
locomotory
locomotivity
lodestar
logarithm
logician
longitudinal
lovable
lovelornness
lozenged
lucidity
luculent
luminary
luminiferous
luscious
luxuriance
lyricism

macabre
macadamise
macaroon
macassar-oil
malleableness
malversation
mammalian
maceration
machievellian
machinator
mackerel
magisterial
magnanimity
magniloquent
mahogany
malappropriate
malapropism
malarial
maledictory
malefice
malfeasance
malingering
manacle
mandamus

ENTRY FORM FOR "RADIO RECORD" SPELLING BEE.

(Closing date: July 19.)

FIRST PRIZE: Order for £50, and Valuable Supplementary Prizes.
(ENTRANCE FEE: 1/-.)

To "RADIO RECORD,"

P.O. Box 1032, Wellington;

Or Third Floor, "Dominion" Building,
Wakefield Street, Wellington.

Please receive my entry in Section..... (specifying No. of Section) for your Monster Spelling Bee. Entry fee of 1/- enclosed. I will abide by the rules laid down and accept all decisions of the Judge, Mr. J. Norrie, of the Wellington Public Library, as final.

NAME.....

ADDRESS.....

The New Zealand Radio Record

—AND—

Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX, 1032, WELLINGTON.

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

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

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

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

WELLINGTON, FRIDAY, JULY 11, 1930.

THE RADIO POSITION IN NEW ZEALAND.

LAST week a successful radio exhibition was held in Christchurch when the dealers of the city displayed notable enterprise and initiative in staging an effective selection of the latest and most efficient radio apparatus. Commendable touches of novelty were given by the radio character given to the various displays and their use of "radio personalities" as the keystone of each stall. The response of the public to the display was good, indicating the keenness of interest maintained by the radio public in everything adding to the efficiency of their sets and service.

THERE will be opened in the Wellington Town Hall on July 16, and continued till July 19 inclusive, a monster Radio Exhibition. Following on last year's successful initial enterprise those backing the exhibition have had the courage to lay a broad foundation for a successful display. Special pains have been taken to make the bays attractive and interesting, and in this field we venture to say the Wellington public will see an exhibition which will establish quite a new standard for displays of this nature. The trade will have an exhibition of their best models, and will be happy to show to the attendant public just what radio can do. As was the case last year, the fullest co-operation has been accorded by the Radio Broadcasting Company, and special programmes arranged for presentation at the Town Hall itself. The special performers include the famous Maori Party from Wanganui, and their presence in itself will constitute a very definite attraction.

THE prominence given to radio by these two exhibitions makes it timely to raise the subject of the immediate future of radio in New Zealand. Listeners generally are aware that nearly two years back a proposal was submitted to the Government by the Radio Broadcasting Company for the provision of relay stations at advantageous provincial centres throughout the Dominion. This scheme was drawn up in response to insistent pressure from listeners for a

progressive expansion of the radio broadcasting service. The scheme was a considered one, and outlined in full detail the measures deemed necessary by the company for effectively and economically expanding the broadcasting service of the Dominion, in order to most fully serve the country and the provincial centres. Unfortunately for listeners, the political atmosphere, as is well known, since that time has not been of the most settled character, and it has apparently been impossible for the authorities concerned to give that close consideration to the matter which its importance warrants. From the listeners' point of view, however, the question is of moment, and as the Hon. J. B. Donald, who was formerly Postmaster-General, has now returned to that portfolio, with the likelihood of reasonable permanence in that position, it is to be hoped that he will be able to reach finality on the matter, or if necessary place it before Cabinet, with such recommendations as he deems necessary. We believe it would be in the best interests of the service in general for this matter to be settled. Great Britain has developed her blanket coverage of the British Isles by a considered and scientific system of relay stations. Her system is logical, effective and economical. The same system can be adapted to New Zealand with a minimum of effort and with, we believe, satisfactory results. We think it in the interests of listeners to raise this matter, with the request that the authorities concerned give consideration thereto, in order that all affected may be informed of the probable lines of radio development in this country.

'Varsity Debates

THE first of a series of inter-Varsity debates had been scheduled for Monday, July 14, but owing to the great traffic at present on this circuit the Post and Telegraph Department has advised that it regrets a line cannot be made available for the period required. The debate has therefore to be indefinitely postponed. The intention in regard to these debates was that Auckland and Wellington Universities should hold a debate, then Christchurch and Dunedin, the winners then to meet.

Timing Races by Radio

Indisputable Accuracy

A SPECIAL arrangement of radio and photo-electric apparatus for use in all time-sporting events has been designed by an American radio engineer. He claims that his device provides an automatic and accurate photograph of the finish, an indisputable record of the time, and indisputable evidence as to place in close events.

A light ray is focused across the track at the finish point on a special photo-electric device that acts as a relay the moment a figure—runner, horse or cyclist—passes across the line. The impulse caused by the fleeting shadow is amplified and within one-thousandth of a second actuates a camera which takes a picture of the scene, including the dial of a stopwatch set in motion at the beginning of the race.

The apparatus functions unfaillingly under all light conditions, is light and portable, and is readily set up on any track.

Radio Listeners' Guide, 1930 Edition.

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

Programmes By Telephone

Dutch System Successful

FOR some months past the Hague Telephone Administration has been experimenting with "wired wireless," a new system of distributing wireless entertainments to telephone subscribers. Over 600 telephones have been fitted with the new device.

By pressing a button the subscriber has the choice of three wireless programmes, which may be received either on the headphones or loudspeaker. The instrument is so attached to the existing telephone that the wireless transmission is automatically cut out in event of an incoming call being put through, and restored, if so desired, at the end of the conversation.

Spotlight Microphones

For Radio Plays

A NEW microphone technique is reported from America. On a portable structure 10 feet high sits an operator who manipulates the microphone as though it were a theatre spotlight. When he wishes to pick up any sound to the exclusion of others he directs the microphone to the source of the required sound.

It is predicted that this new type of "directional" microphone will be particularly useful in giving additional realism to radio plays.

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S-O-S

TRAVEL IN COMFORT BY
CAR

WELLINGTON - PALMERSTON
NEW PLYMOUTH

Mullard

THE MASTER VALVE

Embodies all improvements
known to Valve Manufacturers.

"Funereal Music"

A Listener's Complaint

A correspondent in North Auckland, who is evidently something of a wag, writes to the Broadcasting Company making a plea for lighter numbers. He refers to classical items in this way:

"Work in the fields finishing earlier during the short days, I turned in at dinner-time weeks ago, hoping to hear something cheery put over for the kids. Instead there was a funeral on, Mozart's I think it was, and just when the body was being lowered into the grave the bloke who looks after the gramophone went away to the pictures (I don't blame him) and left this household at the graveside until he returned. He then put on 'Poocheeny's 'Pallbearers' Sonata,'" and we left him to it. This fawning adoration of the tuneless ravings of foreign 'maestros' gives a Britisher a pain in the neck. We British people need tuneful, stimulating music if it is only for half an hour in the evening, and you ought to know it. The trouble is that this 'art' business is a form of mental snobbery created by that crowd of overfed and underworked warts of both sexes who call themselves the 'intelligentsia.' These are the people who claim that the stone abortions of Epstein; the introspective, neurotic bludge written by, say, Conrad and Olive Schreiner, are among the highest expressions of human art. And these egoists are probably working their wills on broadcasting until they succeed in getting every darned listener to turn it in. If Mr. Hutter could broadcast the next egg-laying contest I'd like to bring my darned hens in to listen and hear what others are doing."

Unique S.O.S.

THE Mayor of Christchurch (the Rev.

J. K. Archer) had an interesting little experience of the capabilities of radio. He had completed his speech at the opening of the Radio Olympia, and had left the concert room, going out by way of the adjoining hall where the exhibition stalls are situated, and where the demonstrating of sets was in progress. Here he was overtaken by a call broadcast from the stage in the concert room. The announcer, Mr. J. Ball, noticing that the Mayor had left his glasses behind him when he left the platform, at once sent a message to Mr. Archer, which message was relayed to 3YA, and reached the ears of the Mayor through the medium of a loud speaker before he was able to leave the exhibition building. Mr. Archer recovered his glasses.

WHY?

Kingsford Smith uses Burgess Batteries. Commander Byrd uses Burgess. More Burgess Batteries are sold in New Zealand than any other make. Why?

BURGESS RADIO BATTERIES

WELLINGTON RADIO EXHIBITION

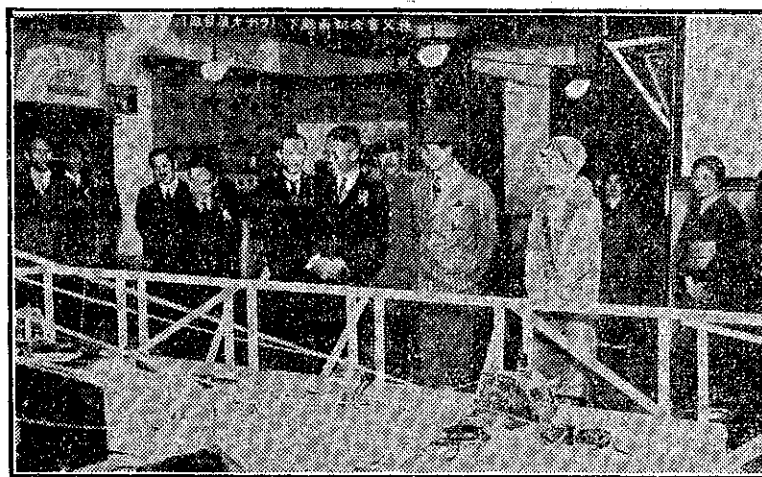
Held this Month

JOINS WITH MAORI ENTERTAINMENT

RADIO Exhibitions are becoming a distinct feature in other countries of the world. The success that has attended these shows in England, Australia and America has been spoken of before.

Some months ago the Broadcasting Company received advice from Japan

on the part of our friends, far more successful than we had first expected. During the session (37 days from March 20 to April 25), we had some four hundred and fifty thousand visitors, and we feel it particularly a great honour that we had the pleasure of visits by seven Imperial Princes and



T.I.H. Prince and Princess Chuslin, at the Radio Exhibition. Note the display of electrical apparatus their Royal Highnesses are inspecting.

that a Radio Exhibition was to be held, and an invitation to help was extended. The Broadcasting Company replied by sending an enlarged photograph (by S. P. Andrew) of 2YA transmitting station on Mount Victoria. It would seem that the exhibition authorities made good use of the fine picture. The Broadcasting Company received the following letter from JOAK, Kwanto Division, Broadcasting Corporation of Japan, known as Tokyo Chuwo Hosokoyu (Tokio Central Broadcasting Station):—

"Kindly accept our thanks for your courtesy in sending us an enlarged photograph of the transmitting station of 2YA. The picture was duly put in a handsome frame, and displayed with full explanation in the exhibition, and attracted the attention of the visitors interested in such matters. By the way, the exhibition was, thanks to the enthusiastic support and good offices

a Princess.—(Sgd.) R. Nakayama, Managing Director.

JUST about this time last year the Wellington radio trade was planning, simultaneously with Dunedin, the first of a series of radio exhibitions that was to prove most successful and unique. The unqualified support that these exhibitions received showed beyond doubt that these were to be permanent institutions.

The Wellington and Dunedin exhibitions were rapidly followed by others in Auckland and Christchurch. These, too, proved of undoubted success, and even then plans were made for future occasions. The listening public throughout the country were interested in these exhibitions because they showed them the trend of radio design, and the new speakers, eliminators, valves, and other equipment that would modernise their sets.

The shows were also of great interest to the non-listener who casually strolled in to look at the radio world. It showed him how he could get a set to suit his requirements for the exact sum he wished to spend. And so the radio exhibitions attracted thousands.

Few were disappointed. They had seen inside the radio business, and they had even witnessed the broadcasts tak-

ing place. They saw the announcers, the artists, and the uncles and aunts, who had meant so much to the little folk.

OUT of the support accorded the initial experiment it was decided to hold further shows this year. The order has been somewhat reversed, for Dunedin was the first centre to stage an exhibition, and Christchurch followed last week. The Christchurch exhibition, of which more appears elsewhere, was a great success. A larger hall was used, and it was justified for the crowd was greater by far than that of last year.

Wellington and Auckland are to follow. The dates of the latter have not yet been decided, though the Wellington exhibition will be held in the main Town Hall from July 16 to 19 inclusive. We are assured from the trade that this will eclipse anything of its kind.

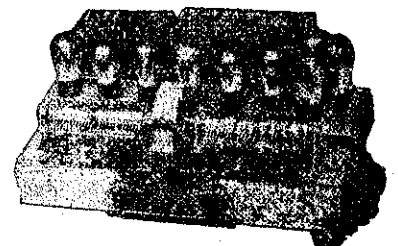
There will be more exhibits, and they will be more varied. Radio has changed even in the last twelve months, and the new models are arousing a great deal of interest.

THEN there will be the Maori entertainment. The Wanganui Maori party, who have for the last two years successfully entertained from 2YA, are again to be heard in a new entertainment, "Hawaiki Calling." This will be presented on Tuesday evening and again on Wednesday evening, at 11 p.m. On the remaining nights of the exhibition they will appear at the Town Hall in public—a unique opportunity for listeners to see these remarkable entertainers in person. This gives considerably more scope, and this has been made use of to the fullest extent. Colour and setting are to be brought in as never before, and visitors to the exhibition will be able to see these Maoris stage in pageantry items the great myth of Hawaiki. The stands are to be specially arranged to suit this setting.

The "Radio Record" will commemorate the event by a specially illustrated Maori number. The paper will tell the story of the Maori race in a new and interesting way, and will deal especially with the myth of Hawaiki. This number will probably be specially enlarged, but will remain at the same price.

From all angles the Wellington 1930 exhibition promises to be one that every listener who can should attend.

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NOTES and NEWS from the NORTH

Personal Notes

MR. LEN BARNES, 1YA station manager, returned from his holiday in the south in time to take part in the "Faust" evening on July 1. In connection with this a listener who wrote a complimentary letter on his performance mentioned his "realistic



Said to have a realistic devilish laugh—Mr. Len Barnes, 1YA Station Director.

—S. P. Andrew, photo.

devilish laughter." Mr. Barnes is a little doubtful as to this latter compliment!

MISS MOLLY WRIGHT, the popular, 1YA celliste, was married to Mr. W. J. C. Henderson, at St. Andrew's, Epsom, on July 2. Mr. Eric Waters, pianist at 1YA, played the wedding music.

MR. FRANK SUTHERLAND, a well-known singer from 1YA, refereed the match between the Maoris and the British Rugby team at Wellington, on July 9. Mr. Sutherland, who has also given football talks from 1YA, holds an important position on the staff of the Auckland Savings Bank.

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Send for Descriptive Catalogue.

MOORES

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A NUMBER of pedigree Jersey cattle are to "broadcast" this month, for there will be a relay from Takanini, 17 miles south of Auckland, where a pedigree cattle sale is to be held on July 24. A similar broadcast was given from 1YA last year and proved surprisingly successful. With the microphone perched up on the rails of the cattle pens, listeners could hear the cattle lowing, dogs barking, whips cracking, and auctioneers speaking, the whole giving a most realistic and, for city listeners, novel effect.

ANOTHER feature of 1YA programmes which will be of special interest to country listeners this month, will be the relays from the Auckland Winter Show, to be held in the Central Wharf buildings from July 9—19. The opening ceremony, which is expected to be performed by the Rt. Hon. J. G. Coates, will be broadcast at 2 p.m. on July 9, and during the period of the show a number of other items will be relayed, these including five and ten-minute talks by experts on cattle, butter, cheese, and other types of produce exhibited.

ONCE again the position in regard to the broadcasting of the special Music Week concerts has been reversed. As stated in these notes last week, permission has been given for the broadcasting, but only under certain conditions to which the radio authorities cannot submit. However, although these concerts will not be broadcast, listeners will benefit considerably by Music Week, as 1YA will provide a number of special musical features during that week. In addition to the special evening programmes from the studio, there will be special church music broadcast on the Sunday, an extra community singing programme one evening, and items of special musical interest during the children's sessions.

THE opening performance of the stage production of the musical comedy, "Love Lies," was relayed by 1YA from His Majesty's Theatre on July 5. This broadcast was arranged at such short notice that no prior announcement could be published.

SOME time ago it was announced that there was a likelihood of the orchestra from R.M.S. Aorangi being engaged to broadcast from 1YA during the mail steamer's visits to Auckland. Two unsuccessful attempts, the latest this week, have been made to book this orchestra up, but there are a number of difficulties in the way, one being that they are usually here on Mondays, the local station's silent day. However, third tries are popularly supposed to be lucky, so we may hope to hear the ship's men at some future date. They should be in a position to give us the very latest items from the Pacific Coast.

Towering mast of ZLW, Government Morse Station, Wellington.

Unhappy Plight of 2YB

Financial Stringency Threatens Grave Difficulties

THERE can be no doubt that the presence of a broadcasting station in Taranaki is a great asset to the province. No better advertisement can be had for a town, province or country than a broadcasting station that fulfills a definite service to its listeners. The publicity that New Zealand received in connection with the Byrd broadcasts is an outstanding example of the place broadcasting is taking to-day.

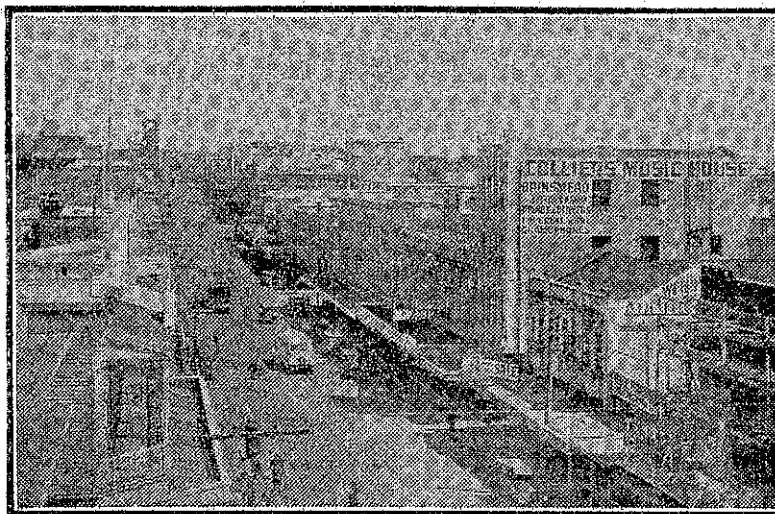
Since the initial enterprise of the Taranaki Radio Society, in securing a broadcasting plant and getting it on the air, New Plymouth has been much in the limelight. Many listeners have appreciated the concerts and sporting relays that have been broadcast by this little station.

The plant, the property of the Radio Broadcasting Company, is kept in order and operated by an engineer in the service of the R.B.C., and the R.B.C. makes an annual grant of £100. Other than this the Radio Society looks to local support to provide funds for the relay lines, rent and maintenance.

THE burden of the work of running the station falls on the shoulders of mainly a voluntary staff. There is the station director, who is in charge of the station at all times. An announcer has to be provided, and this position is usually taken by the station director. In addition there must be a station secretary, whose duty is to note in the station log particulars of everything broadcast from the station. There is a programme director, an official accompanist and a director for the children's session with a staff of "uncles" and "aunts." Further, there is a technical director and an operator. Sometimes these two offices are combined, but for relays a larger technical staff is necessary. Finally there is a staff of messengers.

AT a well-attended meeting of the Taranaki Radio Society some interesting facts were brought to light. The second annual report stated that the year had closed with a membership of 168. The year had ended with a small credit, while the assets of the society had been built up to £184. Most of the society's efforts had been directed toward the affairs of 2YB and they had had the fullest co-operation of the Radio Broadcasting Company. The programmes were generally admitted to be of a high quality. The society were indebted to Messrs. Collier for the free use of their premises, but arrangements had to be made for new premises. The rental of these and the cost involved in shifting would absorb a great deal of their funds in the coming year. Purchase of plant accounted for expenditure of £24, special relays £18, rental of permanent relay and telephone lines £32, and studio lighting £22. The only liabilities were £14 owing to sundry creditors. Studio furniture and fittings, with cash in hand and money owing, brought the assets to £148/15/3.

WHEN the danger hanging over the station was realised, and the prospect that it would probably go off the air in a few days, the citizens came



The former home of 2YB—Colliers' Music House, New Plymouth.

to the aid of the society. At the annual general meeting it was unanimously decided that, in face of the odds the station would carry on. A strong representative citizens' committee was set up to arrange satisfactory finances for the maintenance of the station.

The outlook of this committee is not promising unless accorded the fullest support of the district. Summing up

the position, the elected president, Mr. Davis, said the position was that the society estimated the income in the future at £160 a year, and the expenditure at £260. The increase was largely due to the need for paying rent. In addition, this year the society had to spend an extra sum of £50 for refitting its studio or, if it moved into other quarters, £50 for removal and furnish-

ing. This year it would have to meet an excess expenditure over receipts of a minimum of £150, and for each of the next two years the sum of £100.

Calling for support at the meeting, the president was promised quite a few donations. The rest is left to the finance committee.

But even then the committee faces difficulties. It is a pity that so deserving a cause as a local broadcasting station should be left to chance. That the station is appreciated is testified to by the large number of letters that have been received from all parts of the country, and even abroad.

The philanthropic efforts of a handful of radio enthusiasts is doing a great deal for the province. With no personal end in view, the personnel of the society have done wonders with this project. They have spread the fame of their province to the four winds, and the thousands who have listened in to their excellent station lose sight of the fact that it is the society who is broadcasting. To them it is the New Plymouth station, and Taranaki receives the publicity and the community in general reaps the advantage. Then there are the numerous crystal and small set owners in the district who could not be listeners other than through 2YB.

Surely this is a case for provincial if not national support.

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EVERY instrument is tested, and guaranteed free from mechanical or electrical defects. At the prices quoted, each instrument is COMPLETE with all accessories, including valves, batteries and loudspeaker, etc. (but excepting aerial equipment, which can be supplied for 11/6 extra when desired).

Further particulars of any model will be supplied on request.

	List Price	Sale Price		List Price	Sale Price
Brownie Crystal Sets, complete with	£	s. d.	£	s. d.	
Headphones, aerial wire, earth wire, etc.	1 12	6	1 7	6	
"Watmel" 2-valve British made, in oak cabinet, complete	10	0 0	7 15	0	
"Astor" 2-valve, metal cabinet, complete	10	10 0	7	0 0	
"Airmaster" all-electric 3-valve, complete	26	0 0	21	0 0	
"Airzone" Portable 4-valve, with self- contained aerial, batteries, speaker, etc.	27 10	0	20	0 0	
"Loffin White," 5-valve, less cabinet, complete	30	0 0	17 10	0	
"Amrad" all-electric 5-valve, in mahog- any cabinet, complete	50	0 0	27 10	0	
"Trav-ler" 5-valve portable, complete..	27 10	0	19	0 0	
"Selectra" 6-valve screen grid, complete	47 10	0	34 10	0	
"Crosley" 6-valve model 6/60, in mahog- any cabinet, complete	34 10	0	22	0 0	

	List Price	Sale Price		List Price	Sale Price
"Amrad" 7-valve, in mahogany cabinet, complete	£ 40	s. d. 0 0	£ 25	s. d. 0 0	
"Kolster" 7-valve, in mahogany cabinet, built-in speaker	47	10 0	29	10 0	0
"Branston" 7-valve super. het., in cabinet, complete	45	0 0	22	10 0	0
"Crosley" Showbox all-electric, complete	45	0 0	32	0 0	0
"Crosley" Gembox all-electric, complete	40	0 0	25	0 0	0
"Federal" 6-valve, in cabinet, complete	40	0 0	22	10 0	0
"Crosley" Bandbox 6-valve, in metal cabinet	31	0 0	24	10 0	0
"Priess" straight-8 Super-Het. with cabinet, valves and loop	23	10 0	10	10 0	0
"Kellogg" Wavemaster 5-valve, in cabinet, complete	45	0 0	18	0 0	0
"Watmel" with extra audio stage (3 valves), complete	12	12 0	5	0 0	0

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Ruscoe, Devon St., New Plymouth.

The Feat of Flying the Atlantic



FEW folk, seemingly a little air-weary, may take little note of Kingsford Smith's crossing the Atlantic. There have been, you know, so many exploits in the air of late; there are Kingsford Smith's previous achievements; this is "only one more." These folk remain unstirred. But most of us are not like that, and this feat means much.

When this achievement is understood, it ranks very high in the triumphs of aviation. It has been rightly hailed as fully worthy of being bracketed with the wonderful flight across the Pacific, which no one else has attempted. To have two such flights to his credit, even when nothing is said of the other successes of his brief career, stamps Kingsford Smith as an airman of unquestionably great skill and courage, and power to inspire associates.

I do not intend to dwell in detail on this particular exploit. About it you have probably read quite as much as I have. But for a few minutes I wish to speak of one or two things that make it remarkable, and so shed light on the trans-Atlantic flight in general, and the westward crossing in particular.

One thing in passing. This success carries Kingsford Smith and the Southern Cross well on the way right round the globe. He set out across the Pacific from Oakland, California. So he came to Australia. After the crossing to and from New Zealand, he went to England. Now, crossing the Atlantic, he has landed on the American Continent. His intention is to cross the United States to California, landing at Oakland, the starting point of the Pacific venture. Thus he will have put a girdle round about the earth in the Southern Cross.

Nor will that fact be all. When he talked of taking the Pacific flight he had great difficulty in "raising the wind," as we say, for the venture. By many, it was deemed too hare-brained an idea to back. Men of means, though deeply interested in aviation, were reluctant to help him. His courage, however, was shown in persevering with his project in spite of every obstacle. Now, all going well, he will land in the Southern Cross at Oakland to a thunderous welcome. His one-time critics will be finally confounded, and the few ready to help will have their full vindication. He himself will have won more than a triumph in aviation; his will be a great moral victory. That is much.

LET us turn to trans-Atlantic flight in general. There have been many crossings through the air. Of these the last lately published has given reminder. It is an interesting record. But the thing especially notable is that the west-to-west crossing has been

Did Kingsford Smith Choose the Best Path?

(By A. B. CHAPPELL, M.A.)

often done, and the east-to-west only once before, when Baron von Hühnefeld and Major Fitzmaurice landed in Labrador and had to be rescued from a dangerous plight. The east-to-west venture is evidently the more hazardous. Why is this westward crossing so difficult, in comparison with flight the other way?

To casual thought, the very opposite should obtain. The spin of the earth is from west to east. This makes our succeeding day-dawns, the sun, in our way of speech, rising every twenty-four hours in the east. All places, that is, travel eastward. There was, consequently, in earlier days—when balloons were invented—a notion that if one wanted to go westward it should be possible to go straight aloft, stay there awaiting the arrival below of the western place sought, and then descend on it. The formula was something like this: "Up you go, wait; down you come; there you are." This inviting idea, like many other inviting ideas, left some things out of account.

Before we consider them, let us take some precise facts. The circumference of the earth is nearly 25,000 miles. The earth's rate of spin, varying from a maximum at the equator to zero at

an hour in one spot of space would be, relatively to the earth's spin, to travel westward more than 1000 miles, and would make travel westward in the air a simple matter, and travel eastward a very vexing stern chase.

Taking London, and New York as illustrative points, nearly five hours is the time difference. New York, to speak precisely, being 74 degrees west of London, takes 4 hours 56 minutes to reach the point formerly occupied by London. To go by air from London to New York would therefore seem to mean taking a journey, as measured by earth-span, twice 4 hours 56 minutes less than the journey from New York to London—9 hours 52 minutes less—nearly ten hours less. No wonder the east-to-west journey through the air, against the spin of the earth, has been casually thought easier, because it is made theoretically shorter by the earth-spin.

NOW for the things left out of account. First is the fact that the earth's atmosphere, denser and denser at the lower levels and always subject to gravitation, clings to the earth, and, in general, goes with the earth's spinning surface. I emphasise those words

KINGSFORD SMITH has conquered the oceans of the earth—and he always carried radio. Other aviators as courageous, but less enterprising, have set out for long trans-oceanic flights with only nautical instruments as their navigational guide—and many have not been heard of since. Contrary to popular belief, navigation on flights such as those Kingsford Smith has completed is an all-important consideration. Days, even weeks, have to be spent in deciding upon the most favourable route, and in plotting it accurately. Seasonal winds, prevailing and forecasted weather conditions, and other factors as important, all these have to be considered to ensure an even chance of success. In the accompanying article the writer tells of the difficulties in adverse weather conditions and in navigation that Kingsford Smith and his companions had to contend with, and how they overcame them.

the poles, amounts to more than 1000 miles an hour at the equator. This means that, at the equator, a place 1000 miles to the westward of another will arrive at the spot occupied now by the latter in less than an hour from now.

According to the inviting idea once held, therefore, to go aloft and stay for

"in general," for they are important. There are several qualifications to be considered. The actual happenings are not so simple. But the general fact should be borne in mind as lying behind all seemingly contradictory facts. The earth's atmosphere, then, in general, and as a basic fact, goes with the earth. This suggests atmospheric

resistance, not aid, in the east-to-west crossing.

If the earth rotated in an actually unmoving atmosphere, there would be felt at the equator a steady wind from the east, met (and so in effect moving) at more than 1000 miles an hour—a prodigious rate, calculated to keep the equatorial region wonderfully cool.

THAT this region is anything but wonderfully cool awakens us to look out for other atmospheric facts. What are they? They can best be instanced by what are known as trade winds, prevailing winds that have long been taken into account by shipping in the days of sail. In broad belts north and south of the equator, running to the imaginary lines of the Tropics of Cancer and Capricorn—that is, to about the 20th parallel of latitude north and the 20th parallel south of the equator respectively—these trade winds blow from these lines to the equator. This is explicable, in general, by the rising of heated air from the equatorial region, the colder air from north or south rushing in to take the place of the heated, rising air. But the direction of this rushing air is not either due south to the equator or due north to it, as the case may be.

The winds from both north and south are deflected backward, in effect, by the spin of the solid and globular earth, rotating in this region at its most tremendous speed.

The "cling" of the atmosphere is the more easily overcome by reason of its being heated and rising, as well as by reason of the high rate of the earth-spin. The result is that in the northern equatorial region the trade winds blow from the north-east and in the southern region from the south-west. These trade winds are essentially ocean winds, for land surfaces create local conditions greatly affecting and even negating them.

Our thought about these winds is an essential preparation for what more closely concerns the crossing by air of the Northern Atlantic, away from this equatorial region. What happens beyond that equatorial region, and how is it affected by what happens within it? At about the 20th parallel a contrary and compensating movement of the atmosphere is noted. Outside of this limit, anti-trade winds blow with considerable regularity, the degree of regularity being higher where the ocean spaces are wider. They get their name "anti-trades" from their moving in a direction contrary to that taken by the trade winds. In the North Atlantic and North Pacific they blow from the south-west, while in the southern regions of these oceans they blow (we note this related fact now only to forget it at once) from the north-west.

These anti-trade winds, note carefully, mainly arise from the upper

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currents of air ascending from the equator; they have not merely lost their heat up there—they have become chilled extremely and much heavier, and come back to earth.

But they cannot come directly down, because of the continual rising of the heated upward currents, nor make contact with the earth again within the region of the steady trade winds. But beyond the Tropics of Cancer and Capricorn where there is in each case a belt of intervening calm, they make themselves felt in that portion of them which goes to make the south-west and anti-trades. Their density and the slower rate of the earth-spin in those latitudes give them a "cling"—hence their easterly direction, made north-easterly by their point of origin and the globular shape of the earth.

Turn your thought to the North Atlantic again, where these anti-trades blow from the south-west. London and New York are well above the Tropic of Cancer.

The Southern Cross, therefore, had to face and fight these anti-trades, whereas on flights from west to east they assist. There is the crux of the question: the east-to-west flight, because of these anti-trades, is a struggle against prevailing winds. In that region these winds are marked by considerable variability, due to the closing in of the North Atlantic land areas, but the general drift of them, as they go with the earth-spin but deflected by the globular shape of the earth, is against the aviator.

Now we can see why, in those latitudes, east-to-west flight is a more trying business, as well as a much longer business, than flight from west to east. Atmospheric conditions overrule all expected gain from the west-to-east earth-spin. A west-to-east air current prevails, its northward deflection adding still further, as I shall explain in a moment, to the aviator's trouble.

SOME of you, remembering what I said about the narrow belts of calm between the trade winds and the anti-trades, at about the 20th parallels, are perhaps wanting to put a question. Why did not Kingsford Smith take that belt in the North Atlantic—known as the Cancer Calm—and so avoid the opposing anti-trades? He had the best of reasons for not doing so. The Cancer Calm lies so far south of the latitudes of London and New York that to have taken a route through it would have more than doubled the distance to be traversed. Besides being so far out of the way, it goes across a broader stretch of ocean. It might have served him had he been going from Gibraltar to Florida, but even then not so well as a mere glance at a map might suggest.

Yet you have noted, in a message from him, that he did not fly straight across, and are perhaps still inclined to think he should have tried a southerly route, nearer, if not within, the Cancer Calm. But what did that message say? That he was setting a great circle course.

This indicates the most decisive reason for his electing to take a route involving conflict with the anti-trades. This great-circle course took a line north-westward from Ireland, and curving round gradually afterward to strike the American mainland northward of New York. "Why not go straight across?" you may be disposed to ask. Because that would have been a longer way. No; I am not making a feeble joke.

Remember, the earth is a ball, not flat like a map. To get from one place to another by the shortest road is seldom the same thing as taking the route followed by a straight line drawn between them on the map. To go from one to another place on the equator your shortest way is along the equator. So, in going from one place to another north or south on the same meridian of longitude, the shortest way is straight along the meridian.

But, as the earth is a ball, these journeys mean taking, not a straight line, but the curving route that happens to be the shortest.

NOW, in the mathematical language of the navigator, the equator is a great circle, and a meridian right round



MR. A. B. CHAPPELL, M.A.,

Whose "Topical Talks" from 1YA are a feature of some importance.

—S. P. Andrew, photo.

the earth, going north and south through the poles, is nearly as great—a little less only because of the flattening of the earth at the poles. If any two directly-opposite points of the earth's surface be taken, and a full circle, cutting the surface of the globe in half, be drawn through them, there will be another great circle. There can be any number of such circles. The character of a great circle is its cutting the surface of the globe in half—symmetrically. By "half" I mean half, not an approximately equal portion.

Now, apply what is known about the two instances already mentioned—the equator and a complete meridian. The shortest way between places on them is along them. Departure from that curve will lengthen the journey. That obtains with all great circles, and the problem in navigation between distant points is to find the great circle connecting them: that is, the shortest way.

On the chart it may look longer, but it is actually shorter, because the earth's surface is one rolling curve, not a flat expanse as on a chart.

TO get from Ireland to New York by the shortest route, the Southern Cross had to be navigated on a great-circle course connecting them—possible choices of altitude could not affect the route materially—and this great circle, as they both lie north of the equator in one hemisphere, has a northward, not southward curve. Therefore, Kingsford Smith, though not hampered seriously by adverse winds on the rise of

that curve on setting out, had to face them more and more as he came toward America.

Bluntly put, the position is this: to have flown across on a parallel of latitude would have taken him across a bigger bulge of the earth's surface, and made the journey longer.

SO the idea of attempting the feat by way of the Cancer Calm lying to the south was, for this additional reason, not to be entertained for a second. The distance would have made the flight impossible. There was nothing for it but to take the great-circle route and dare the adverse anti-trades to do their worst. They may not have done their worst, but they did pretty badly.

A last point—the fog. Heavy fog-banks are characteristic of the Newfoundland and the mainland coast thereabouts. This is a special peril in making the east-to-west objective. Going to Europe from America, there is little or nothing of this: the target can be struck with more certainty of vision, should dependence on navigating instruments become, for any reason, an uncertain guide. In this flight there was a lowering of compass reliability, probably because of the violent movements of the plane. Over Newfoundland, flying became perilously blind, and but for aid derived from wireless direction signals there would likely enough have been another fatal tragedy to add to the records of trans-Atlantic flight.

Radio Transmission of Photographs

IT appears almost certain that within the next six months it will be a simple matter to transmit an ordinary photograph from Australia to England, and vice versa. Tests for that purpose are now being carried out.

Pictures, newspaper cuttings and documents have been sent by wireless from England to America, but the first step in the Australia-England transmissions will probably be to send photographs only, as it is not certain that, at this stage, it will be possible to transmit written documents and suchlike on a commercial basis. Information on this point is now awaited, but Mr. Fisk, managing director of A.W.A., is very hopeful that before long it will be possible to include documentary and other transmissions, as well as photographs, and to make it a commercial proposition for all parties, including the public.

There are various methods of transmitting pictures by wireless. All, however, in effect, convert a picture into a series of dots. These dots, for the purpose of long distance transmissions on a big scale, will be transmitted between Australia and England by beam wireless under the regular service to be installed. A picture is turned into dots by means of a light sensitive cell, known as a photo-electric cell. As particles of the picture pass the cell, so the cell responds, according to the light or shades of the picture.

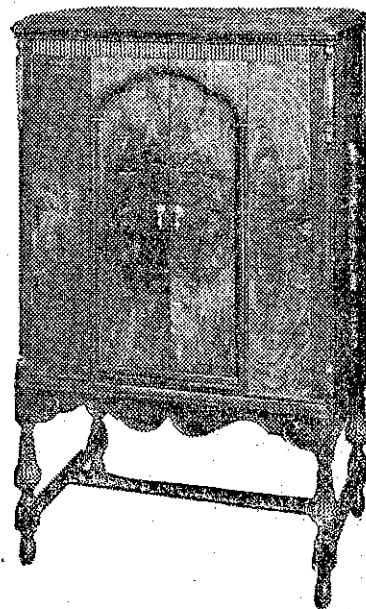
The varying dots transmitted over the wireless are converted, at the other end, into mechanical action, which causes a travelling light to reassemble the dots as a photograph.

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Christchurch Radio Exhibition

(Concluded from page 3.)

of them on the air. Their programmes were varied and wide, embracing the instructive and the entertaining.

"I am not well versed in radio," said the mayor, "and until I am no longer mayor there are two things which I intend to leave alone. Those are the radio and the gramophone. Very often I am exceedingly sorry that there is a telephone in my house, for with the termination of mayoral duties I like to enjoy the absolute quiet of complete rest. That, of course, is purely professional, but I know that the radio in many homes is a delight and an entertainment."

Mr. Archer added that thanks were due to Station 3YA for the ready manner in which the services of the company were always placed at the disposal of the public. It was noticeable

that any request made to the company met with prompt and courteous response.

Sunday Services.

ON Sundays the radio stations were put to good use, continued the mayor. That was well known. Listeners-in had a choice of concerts or of sermons.

"Quite a lot of people," he said, "find it convenient to listen-in to sermons

without having to subscribe to the collection. (Laughter). But, it has been my experience that when a church service is being put on the air, people come to church in larger numbers than usual."

The people of New Zealand, Mr. Archer went on, not only had the advantage of the local radio stations, but they had also the benefit that is brought to them from stations overseas. On a recent occasion listeners-in in New Zealand were able to hear the King's speech. And on another occasion some people had heard the nightingale singing in the Homeland. This was very close to being a miracle. The mayor briefly referred to the service performed by radio in the Byrd Antarctic expedition, and in Mr. Kingsford Smith's flight across the Atlantic.

Spiritual Mysteries.

CONCLUDING the mayor said that there was one aspect of radio that deeply interested him. That was the wonderful system of radiology, which might lead to the solution of some of the great mysteries of the spiritual world. "All persons," he said, "have a spiritual side, and whether they pay any attention to religion or not, they cannot get completely away from it. Radio seemed to suggest that those things which seem impossible to some people, and difficult to most people, are possible, and I believe that it will eventually solve the mysteries of the spiritual side of life." The mayor wished the Olympia the best of success.

Important Improvements.

THE president of the Radio Olympia, Mr. L. B. Scott, stated that the strong support accorded the initial effort last year had given rise to the enthusiasm which had resulted in the present exhibition. The Olympia had been made possible through the co-operation of the Radio Broadcasting Company and the Canterbury Radio Trading Association.

Tracing the steps by which the industry had advanced, he said that the most noteworthy among improved accessories were the battery eliminator, and the development of artistic radio furniture made practicable the unit assembly. Further technical improvements were made, the dynamic speaker and the A.C. valve being the most noteworthy examples.

The trend had been towards the complete elimination of all batteries, and the use of higher voltages as a means of securing greater realism in reproduction both with respect to tonal quality and volume. All in all there was no cause for worry concerning radical departures in receiving sets which might make obsolete present-day models, for there were no important changes in construction in sight this year, and for some time to come. Radio had now been put on wheels. Radio sets for motor-cars were being manufactured, and motorists would have the opportunity of listening-in while travelling. Television was as interesting as ever, though in some circles there had been too much unfounded optimism. Manufacturers

would have to burn much midnight oil before it could become universally practicable.

Musical Education.

MR. J. E. STRACHAN, principal of the Rangiora High School, congratulated the promoters of the Olympia on the enterprise they had shown and on their desire to keep up to date in all that was modern in radio development. It was appropriate that the Olympia was being conducted at the Art Gallery because the present-day radio set was a work of art.

"Radio to-day," he said, "is a work of art from another point of view, for it is a true musical instrument." Radio was playing an important role in the education of the public in music, and if it did nothing else than to bring that cultural instinct into prominence a great and important service would be performed.

Touching on the references made by the Mayor, concerning radio and spiritual revelation, Mr. Strachan said that radio was taking science nearer to the frontiers of human knowledge and had reached the line where energy turned into matter and where matter turned into energy. It was destined to cause a sociological revolution and be a means of ending war, for it was the greatest discovery of all time in bringing the peoples of all nations into closer harmony. The radio telephone within the space of a few years would be the means of communication to all parts of the world, and the radio telephone was one thing that could not be controlled by a sect whose interests were purely selfish.

The electro-dynamic development is the outstanding feature of Olympia, and the bays occupied by the various exhibitors are proof of the sweeping nature of the improvement which has followed the perfection of the latest advancement made by radio science.

Artistic console cabinets in various designs are a prominent feature. The bays illustrate the utility of radio as a medium of distributing sports results, providing music at dinners, and at dances, the bedtime stories which are so popular with children, entertainers in the home, and assistance to the small set owner.

In connection with the radio competition held at the Olympia, over 2000 entries were received. On Saturday night the winner, Mr. F. Chiverton, of Christchurch, was announced, and he was presented with a £40 radio set.

One end of the hall was fitted up as a drawing-room, and here evening concerts and children's sessions were performed. All decorations were artistically carried out by Mrs. J. M. Bingham.

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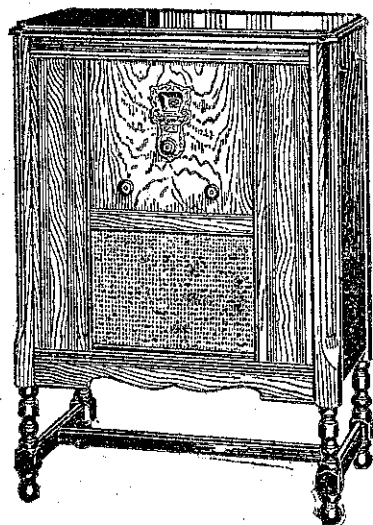
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... and pay, on easy terms—
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The Senior House :: LAMBTON QUAY

RADIO is now regarded as indispensable for aviation in countries where air-services are regularly established. It would appear necessary for a trans-Tasman air-service to have a radio beacon at each end. In the United States airmen fly along a well-indicated beam of radio unerringly through rain, mist and fog, by night or day. In the case of one beam system, a small receiving set in the aeroplane immediately indicates whether the plane is off its course, and whether it is too far to the right or to the left of the radio beam. A 500-watt short-wave transmitter is employed at each beam station.

ONE of the latest radio patent devices is a tiny unit with long, insulated cords to the aerial and earth connections of the set, and by turning the knob on the unit a variable resistance is operated which increases or decreases the volume as desired. This is a handy device which could be placed on one's arm-chair by the fireside to control the volume of the set when conversation renders it desirable.

ANOTHER intriguing invention brought out recently in America is a clock which will not only switch on a radio set at any desired hour of the day or night, but will also tune a set at any desired time to any particular station on one of twelve wavelengths. The idea came to the inventor one night when he forgot to tune in a certain station broadcasting a programme he particularly desired to hear.

MR. E. H. SCOTT, formerly of Dunedin, who, when he paid a visit to New Zealand about five years ago, established several long-distance reception records in the Nelson district, is still looming large in the radio "trade" in Chicago. His latest product is a remote control unit which tunes a set to any one of eight stations merely by pressing a button. The unit may, for instance, be placed by the bedside and, by means of cords connected to the set, may be tuned as desired. The condensers in the set do not move, the tuning equipment being inside the remote control unit. This latter feature is a distinct departure from the system of other control units.

INVENTORS have still ample scope for their ingenuity when applied to radio, and no doubt many new gadgets will appear before this year expires. The receiving sets themselves are not likely to undergo any radical changes for some few years, but among accessories there are certain to be new developments. For example, fluctuations in line voltage is sometimes pronounced in certain areas in every country, and overloading of A.C. valves shortens their lives. The first line voltage regulators imported to New Zealand were unsatisfactory, but lately a vast improvement in these devices has been accomplished, and should now find a sale in the Dominion.

THE motor-car industry in the United States has now come to regard a radio receiving set as a desirable accessory to a motor-car, and the latest development in this direction is a specially devised receiving set for permanent installation in automobiles. The set is completely cased in a metal box, which is attached to the dashboard of the motor-car. The tuning dial is in a "remote control" unit placed also on

the dashboard near to the driver, and is connected to the set with a shielded cable. The set has three stages of radio frequency amplification, and power detection is employed, embodied in a case only 18 inches in length, 6 inches in height, and 4 inches in depth. The aerial is usually placed on the inside of the car.

BATTERY operation for broadcast receiving sets installed in trains and motor buses are now being replaced by A.C. sets in Canada and the United States. The power for the A.C. sets is stepped up from the illumination plant, and the results are described as completely satisfactory.

Reception Table for Australian Stations

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

2FC, Sydney	10
2BL, Sydney	9
4QG, Brisbane	7
3AR, Melbourne	7
3LO, Melbourne	8
2GB, Sydney	6½
2UE, Sydney	5
3DB, Melbourne	4
7ZL, Hobart	3½
3UZ, Melbourne	3
5CL, Adelaide	2
2KY, Sydney	1½

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

POWERFUL broadcasting stations of the "super" type are being erected from time to time in Europe. The latest super-power station is at Oslo, which has an aerial power of 60,000 watts. This giant can be heard loudly throughout and beyond Europe.

LONG-DISTANCE reception has lately assumed normal winter efficiency, and the Australian and Japanese stations are coming in excellently. On some evenings static has livened up somewhat, but on the whole conditions have been good. The other evening, station JOHK, Sendai, Japan, put on a Western musical programme, comprising orchestral and pianoforte items. This station is easily loudest of the Japanese stations heard by "Switch." At times it rivals 4QG, Brisbane, the

wavelength of which is in proximity to that of the Jap.

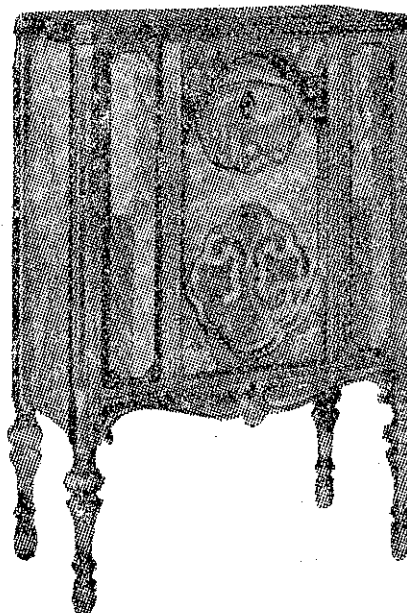
LATELY the writer has been endeavouring to listen to 2HD, Newcastle, New South Wales. This station may be classed as "sick," for all that one can hear from it is a gurgling hum. In justice to the Australian stations, it may be safely stated that the transmitter at Newcastle is the only one which has been incoherent for a long while. This is in contrast to the conditions which obtained a few years ago, when even some of the Australian "A" stations sounded very "sick" as

heard in New Zealand. However, the Newcastle station is being replaced shortly.

GIVING English-Australian cricket Test match scores (picked up by wireless) to the New Zealand Press, sometimes reacts inconveniently on the obliging listener. A Wellington listener who sat up till after midnight to pick up the cricket scores, and whose services were acknowledged by the Press, was awakened by early-morning telephone calls from places as far as Elketuhuna for information regarding the cricket Test later than that published. To obtain this news, the listener would have had to sit up till 5 o'clock in the morning, besides picking up the progress reports all night. Enthusiasm has its limitations.

"SWITCH" wishes all success to the Rev. Mr. E. McLevie, of Masterton, who is organising a fund to equip the Masterton Hospital with a broadcast receiving installation to serve each patient's bed. If the good people of the Wairarapa could only see the pleasure broadcast listening gives the patients in the Wellington Hospital, and hear the medical superintendent's unstinted praise of its beneficial effects on the patients, the money for the Wairarapa Hospital installation would be raised with little delay.

THE MODERN SET IS A "SILVER" SET



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

The Silver employs 8 valves, 4 screen-grid A.C., 2 245 power tubes in push-pull, 1 227 and 1 230 rectifier operating a matched impedance dynamic speaker. All antenna installation is eliminated, as an invisible screen antenna for local and distance reception is employed. Fitted with a phonograph pick-up jack and tuning from below 200 to 600 metres. An automatic voltage regulator for maintaining constant voltage to the set can also be supplied. No other radio receiver has all these advantages.

PRICE £60

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

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AUCKLAND
NEW ZEALAND AGENTS.

Maori Week from 2YA

THE forthcoming week at 2YA will be devoted to Maori music. It will be one of the outstanding weeks in the history of the station. The pageant will be presented from the studio on Tuesday, July 15, and later in the evening on Wednesday, July 16. During the Radio Exhibition the party will appear in the Town Hall, and their items will be broadcast. The story of the pageant will be told in next week's special issue.

SUNDAY

1YA Notes.

THE evening church service to be broadcast by 1YA will be relayed from St. Andrew's Church, the preacher being the Rev. Ivo Bertram, and the organist Dr. Neil McDougall. In the studio concert which will follow two new artists will appear, Misses Edith and Distin Strange, who will be heard in duets and solos. The Studio Trio have included among their items, "Ave Maria," "Scherzo from Trio Op. 8," and "Nocturne in G Minor," by Chopin.

BAND CONCERT

From 2YA.

THE evening service of the Taranaki Street Methodist Church will be relayed by 2YA. The preacher will be the Rev. T. R. Richards, and the organist and choirmaster Mr. H. Temple White.

From the St. James Theatre a relay of the Wellington Municipal Tramways Band's fortnightly recital will be carried out at the conclusion of the church service.

Sunday at 3YA.

THE Rev. T. W. Armour will be the preacher in Knox Presbyterian Church on Sunday evening, when the service will be broadcast by 3YA. The relay of the concert programme at 4YA will follow.

Broadcast from 4YA.

ST. Andrew's Street Church of Christ will be on the air from 4YA. Pastor W. D. More will be the preacher.

At 8.5 there will be a relay of the concert to be given in His Majesty's Theatre by the St. Kilda Band, under Mr. J. Dixon.

MONDAY

From 2YA.

THE representative of Messrs. Kirkcaldie & Stains will deliver an



MR. G. TITCHENER,

a popular 3YA humourist, who will contribute to the variety programme from that station on July 19.

—S. P. Andrew, photo.

other of her interesting lecturettes on "Home Crafts" this afternoon. There will be a further talk on "The Motor" this evening, the speaker on this occasion being Mr. J. M. Gamble, of General Motors Ltd.

The evening programme at 2YA will be one of outstanding merit, marking, as it does, the farewell appearance of Mr. Barend Harris,

of Sydney, and the introduction of a new artist in the person of Miss Anne Gilpin, a young mezzo-soprano who specialises in songs of a classical nature. Mr. Barend Harris's items are all "requests." This singer has made an excellent impression with radio listeners while he has been in New Zealand. He is a master of broadcasting technique and has an inherent sense of interpretation.

The orchestra's items will include the "Coriolanus" Overture, the "Symphony in D Major," by Haydn, Drigo's "Barque d'Amour," and Tschalkowsky's "Waltz Caprice." The other supporting artists will be Miss Evelyn Robinson and Mr. L. Stapp, one of Wellington's promising young tenors. Mr. Norman Aitken will be heard in elocutionary items, dramatic and humorous. Miss Eileen Goodson, the piano soloist for the evening, will play Friedman's celebrated "Viennese Waltz."

BAND RECITAL

From 3YA.

A TALK on open-air schools will be given at 3YA by Mrs. T. E. Taylor. The Christchurch Municipal Band (under Mr. J. Noble) will be playing for 3YA, the programme including several items new to most listeners. There will be two marches, "Grove House" and "Through Bolts and Bars," a minuet, the selection "Classical," the hymn "Abide With Me," and the patrol, "The Elephants' Parade." Cornet solos—two popular numbers, "Londonderry Air" and "Drink to Me Only"—will be played by Bandsman F. Barsby to band accompaniment.

Miss Marjory Miller (soprano), Mrs. C. Bull (contralto) and Mr. B. H. Collett (baritone) will sing several old favourites, and Mr. L. T. J. Ryan will provide humour. Most of the items to be sung will be entirely new to listeners.

"TO-NIGHT'S THE NIGHT"

4YA's Programme.

The first half-hour of 4YA's programme will be devoted to a presentation of "To-night's the Night." The vocalists who will present this will be Miss Mae Matheson, Miss Margaret Green, Mr. H. Johnston and Mr. S. Falconer.

The supplementary programme to be presented by the same soloists will be of a miscellaneous nature. An instrumental combination, The Select Four, will also present a bright programme.

TUESDAY

OPERATIC SELECTIONS

From Auckland.

FROM 1YA at 7.15 Mr. R. Talbot will deliver a talk on "Motoring." A portion of the evening's programme will be given over to Mrs. Zoe Bartley-Baxter and Company, who will present a dramatic sketch entitled "A Ghost Story." As the title suggests, the sketch is of a

thrilling nature and should therefore prove very popular with the majority of listeners.

In the vocal section of the entertainment, Miss Beryl Smith (contralto) and Mr. Duncan Black (bass) will be heard in solos and duets. Miss Smith will take for her numbers, solos from "Orfeo" (by Gluck). Mr. Black has chosen for his items "Simple Sailor Man" (by German) and "In Happy Moments" from "Maritana" (by Wallace). These artists will also sing a duet from "The Girl Behind the Counter"—"Won't You Buy?" (Talbot). On the same programme Mr. A. B. Chappell, M.A., will continue his "Topical Talks," which are so interesting to listeners.

The instrumental portion of the programme will be provided by the Studio Trio, their items being a selection from the opera "Madame Butterfly" (by Puccini), "Prelude to Act 3" of "Kunihild" (by Kistler), "The Prize Song" (from "The Meistersingers") and "Selection from Sullivan Operas." Electrically recorded numbers will also be presented.

"HAWAII CALLING"

From 2, 3 and 4YA.

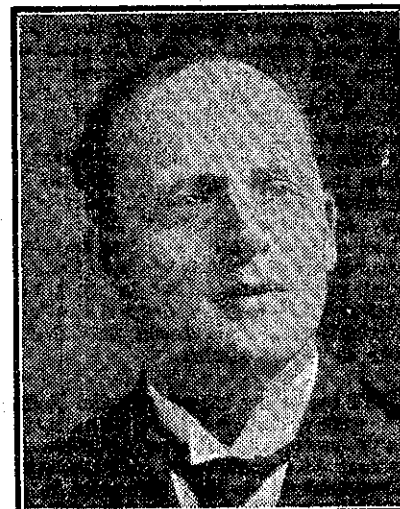
2YA, 3YA and 4YA will be broadcasting "Hawaii Calling," which is to be presented from the 2YA studio by the performers in the coming Maori Pageant.

WEDNESDAY

A NEW ORCHESTRA

From Auckland.

AT 7.40 p.m. at 1YA Mr. Norman Kerr will continue his instructive talks on "Physical Culture." At 8 o'clock Miss Phyllis Tye (mezzo-sop-



MR. E. ROGERS,

who is featuring on the vocal portion of the classical evening from 3YA on July 17.
—Steffano Webb.

Bargains in POWER PACKS and "A" ELIMINATORS

Emmco A.C. Power Packs for set using up to six valves with 180 volts maximum "B"—with rectifying valve Special Price £8

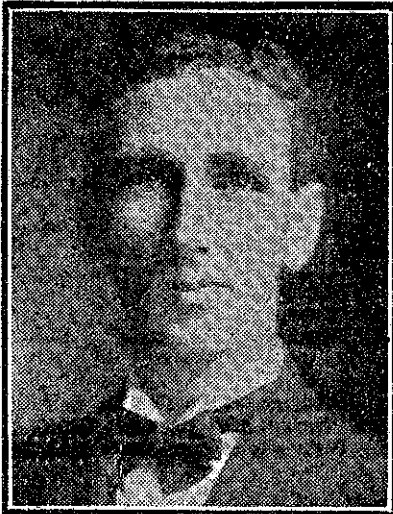
Emmco "A" Eliminator—1 amp. at 6 volts dry rectifier. Our Price £7

Emmco Trickle Charger, 1amp. rate, no valves—dry rectifier. Now £2/10/-

Let us know your requirements—we have a number of bargain lines.

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Box 395, CHRISTCHURCH.



MR. ARTHUR WRIGHT,

an Auckland bass-baritone, whose next appearance from 1YA is scheduled for July 17.

—S. P. Andrew, photo.

rano) will sing "I Little Knew" (Fredricks), later appearing with her sister, Miss Edna Tye (pianiste), in vocal and pianoforte duos.

A new combination, the "Monte Carlo Concert and Dance Orchestra," under the direction of Mr. F. K. Cunningham, will contribute items to this evening's entertainment, their items ranging from selections from "Rio Rita" (Tierney) and "Il Trovatore" (Verdi) to fox-trots. Messrs. Pickering and Lewis, members of the orchestra, will render a saxophone duet entitled "Lucia Di Lammermoor," and another member of the combination, Mr. D. Callinan, xylophonist, will play "Rosewood."

Also appearing on the programme will be Mr. Leonard Cronin, who will discourse on the "Sidelights of Parliament." Gramophone items will also be included in Wednesday evening's programme.

RADIO EXHIBITION

2YA Goes on the Air.

THIS is usually "silent day" at 2YA, but as it marks the opening of the 1930 Wellington Radio Exhibition, the station will be on the air from 10.30 a.m. till 10.30 p.m., resuming again at 11 o'clock to present "Hawaiki Calling" for the benefit of listeners overseas.

The official opening of the exhibition will take place in the evening at 8 o'clock. This will be followed by a half-hour's entertainment by the Maori Party. From then until 10.30 p.m. there will be a studio programme provided by the Salon Orchestra and the following assisting artists. Miss Bertha Aydon (mezzo-soprano, late of Nelson), Miss Hilda Chudley (contralto), Mr. Ernest Short (baritone), Mr. J. F. Montague, of Auckland (elocutionist), and Mr. J. McKenzie, who will contribute novelty piano numbers.

Programme from 3YA.

CONTRIBUTING to 3YA's programme will be Miss Agnes Cunningham (soprano), Miss Anita Graham (mezzo-soprano), Mr. H. J. Francis (tenor) and Mr. Fred. A. Bullock. Their items will include several operatic solos from "I Pagliacci," "Tancredi" and "Tannhauser." Others will be of a miscellaneous nature.

Piano duets will be played by Miss Dulcie Clements and Miss Nancy Watson, who won many prizes at the recent Christchurch Competitions, and their items should be particularly good. Two very fine harp solos will be played by Mr. H. Glaysher. There will be violin solos by Miss Irene Morris and selections by the Broadcasting Trio.

THE MAORI PAGEANT

At 11 o'clock 2YA, 3YA and 4YA will rebroadcast "Hawaiki Calling."

4YA Notes.

THE 4YA afternoon talk (to be given by the Home Science Extension Department of Otago University), will be on "Cheese and its place in the diet." At 7.15 the talk for farmers, to be given by Mr. James Bell, will be about "The Value of Shelter." Both talks are under the auspices of the 4YA Primary Productions Committee.

Mr. Arthur Wright (bass-baritone) has chosen for his numbers "I Fear No Fear," "Lighterman Tom," and "Oh, to be a Gipsy," while Mr. Dan Flood will be heard in further selections from his repertoire of humour. From 9.30 until 11 p.m. dance music will be given from the studio.

2YA Notes.

AT 7.40 Mr. L. D. Webster will give another of his series of interesting "Musical Talks," his subject on this occasion being "Some Varieties of Music." The second day of the Radio Exhibition will commence at 10.30 a.m., when studio items will be played. At 2.30 relays of Haydock's Orchestra will be interspersed with studio numbers. The evening programme will consist of three sessions of Maori items relayed from the Radio Exhibition, interspersed with numbers from the studio by the Salon Orchestra and assisting artists.

Madame Gower Burns, Miss Alice Vinsen, Mr. Ernest Rogers and Mr. J. Filer. An instrumental programme will be given by the Studio Octet and a Quintet will play Beethoven's "Minuet in G."

FRIDAY

Notes from Auckland.

A FURTHER talk on "Esperanto" will be given from 1YA by Mr. W. E. G. Wheeler.

The Studio Trio will commence the concert programme with "Song Without Words" in B Minor, by Mendelssohn, and "Pas des Amphores," by Chaminade. Later, this combination will render "Three Miniatures" (Bridge), "Autumn Song" (by Tschalkowsky), "Minuet" from "Military Symphony" (Haydn), and "Slavonic Dance No. 3" (by Dvorak).

On the vocal portion of the entertainment Mrs. M. Cantwell (soprano) will be heard in "Vain is My Art," "Give Me Thy Heart," and "Black Roses." Clarinet solos by Mr. S. C. Lewis will be included on the programme, his numbers being a selection from "Maritana" (Wallace), a selection from "Don Giovanni" (Mozart), and "Fantasia—Scotch Melodies" (McDonald). Elocutionary selections will be contributed by Mr. J. M. Clark, one of his numbers being "Hervé Riel" (by Browning), and the other, "Othello's Apology" (Shakespeare).

Another soloist on the evening's programme will be Mr. H. Barry Coney (baritone), who will sing "Serenade," from "Faust" (Gounod), "Though Faithless Men" (Halevy), and "No, My Courage" (Wallace). The programme will conclude with a lecture-recital by Mr. Karl Atkinson, who will talk on "All Sorts and Conditions of Choirs."

From 2YA.

ON the air at 10.30 a.m., 2YA will give studio items until 2.30 p.m., when items by Haydock's Orchestra will be relayed from the Radio Exhibition.

The evening programme will consist of relays of Maori items from the Radio Exhibition, interspersed with studio items by the Salon Orchestra and assisting artists, these being Miss Ella Fair, Mr. R. Madi-

(Concluded on page 40.)

Romance of the Maori Race

Will be told Next Week in

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The 4YA evening broadcast will consist of the relay of a concert to be given by the Burns Club in the Early Settlers' Hall, to be followed by a session of dance music till 11 o'clock, when the relay of "Hawaiki Calling" will take place.

THURSDAY

Auckland's Programme.

FROM 1YA at 7.40 Mr. N. M. Richmond will continue his lectures under the auspices of the Workers' Educational Association, when he will talk to listeners on "Life and Labour in the Nineteenth Century."

During the evening programme, the 1YA Orchestral Octet, under the direction of Mr. Eric Waters, will render the following numbers: "Potted Overtures" (Engleman), "Intermezzo—Pixie Town" (Flynn), "Pierrette's Wedding" (Jordan), "Suite—A Doll's House" (Engleman), and some of the latest novelties. Barry Ingall's Hawaiians will again entertain with popular Hawaiian music.

A CLASSICAL EVENING

From 3YA.

THE afternoon talk from 1YA, 2YA and 3YA will be about "Tired Husband." The talk has been prepared by the Home Science Extension Department of Otago University.

3YA's talk for farmers at 7.30 will be on "The increasing importance of the science of forestry," the speaker being Mr. W. G. Morrison, Conservator of Forests.

Principally classical will be the programme from 3YA. The vocal solos will include such fine numbers as Handel's "Largo," Beethoven's "Creation's Hymn," "Ah, Moon of My Delight," "Song of India," "From Rushy Beds of Silver Nile," "On-away Awake Beloved," "Ah, Weep No More," "The Enchantress," two numbers by Grieg, "Swan Song" and "Morning." There will be two duets, Mendelssohn's "Greeting," and Goring Thomas's "Night Hymn at Sea." There will also be a quartette, Elgar's "Snow." The vocalists will be



A feature of 1YA's programme on July 15 will be a dramatic sketch, "A Ghost Story," presented by Mrs. Zoe Bartley-Baxter and Company.
—S. P. Andrew, photo.

Full Programmes for Next

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Sunday, July 13

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, JULY 13.

- 3.0 : Afternoon session—Selected studio items, including Literary Selection by the Announcer.
 4.30 : Close down.
 6.0 : Children's Song Service, conducted by "Uncle Bert."
 6.55 : Relay—Divine Service St. Andrew's Church. Preacher: Rev. Ivo Bertram. Organist: Dr. Neil McDougall.
 8.30 : (Approx.)—Royal Philharmonic Orchestra, "Pax Vobiscum."
 Contralto—Miss Distin Strange, (a) "Life's Epitome" (Rae); (b) "If I Lost the Stars" (Drummond).
 Instrumental trio—Studio Trio, "Scherzo from Trio, Op. 8" (Brahms).
 Vocal duet—Misses Edith and Distin Strange, "When Song is Sweet."
 Instrumental trio—Studio Trio, (a) "Ave Maria" (Schubert); (b) "Fragment from 2nd Pathetic Symphony" (Tchaikowsky).
 Choral—Westminster Abbey Special Choir, "Exsurge Domine."
 Soprano—Miss Edith Strange, (a) "Someone Singing in My Garden" (Forster); (b) "Love Here is My Heart" (Silesu).
 Instrumental trio—Studio Trio, "Nocturne in C Minor" (Chopin).
 Vocal duet—Misses Edith and Distin Strange, "Venetian Song."
 Instrumental trio—Studio Trio, "Three Miniatures" (Bridge). 1—Romance; 2—Intermezzo; 3—Saltarello.
 Orchestral—Berlin State Opera Orchestra, "German Dances" (Mozart, arr. Steinbach) (H.M.V. D1624).
 9.30 : (Approx.)—God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, JULY 13.

- 3.0 : Chimes. Selected studio items.
 4.30 : Close down.
 7.0 : Relay of Evening Service of Taranaki Street Methodist Church (Preacher, Rev. T. R. Richards; Organist and Choirmaster, Mr. H. Temple White).
 8.15 : Relay of Band Recital of the Wellington Municipal Tramways Band from St. James Theatre (Conductor, Mr. E. Franklin).

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, JULY 13.

- 3.0 : Afternoon Session Gramophone Recital.
 4.30 : Close down.
 5.0 : Children's Song Service by children of the Presbyterian Sunday Schools, conducted by Rev. L. McMaster, assisted by the children of the Presbyterian Sunday School.
 6.15 : Intermission—from Studio of Recorded Music.
 6.30 : Relay of evening service from Knox Presbyterian Church, Bealey Avenue. Preacher: Rev. T. W. Armour. Organist: Miss Olive Butler, A.T.C.L. Choir Conductor: Mr. A. G. Thompson, B.A.
 7.45 : (Approx.)—Musical recordings from the Studio.
 8.5 : (Approx.)—Relay of programme from 4YA, Dunedin.
 9.30 : God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, JULY 13.

- 3.0 : Chimes. Selected Gramophone Items.
 4.30 : Close down.
 5.30 : Children's Song Service, conducted by Big Brother Bill.
 6.30 : Relay of Evening Service from St. Andrew's Street, Church of Christ. Preacher: Pastor W. D. More.
 7.45 : Philadelphia Symphony Orchestra, "Danse Macabre Op. 40" (Saint Saens) (H.M.V. D1121).
 Choir of St. Paul's Cathedral, "Hail Gladdening Light" (Wood). "Angels Ever Loving" (Tchaikowsky) (H.M.V. B3103).
 Piano—W. Backhaus, "Bohemian Dance" (Smetana) "Caprice Espagnole Op. 37" (Moszkowski) (H.M.V. DB1130).
 8.5 : Relay of concert from H.M. Theatre by St. Kilda Band, under direction of Mr. J. Dixon.
 9.30 : God Save the King.

Monday, July 14

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, JULY 14.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, JULY 14.

- 3.0 : Chimes. Selected studio items.
 3.15 : Lecturette—Representative Bessrs. Kirkcaldie & Stains Ltd, "Home Crafts."

- 3.25 : Studio items.
 3.30 and 4.30 : Sporting results to hand.
 4.55 : Close down.
 5.0 : Children's session, conducted by Uncle Jeff.
 6.0 : Dinner Music Session, "Columbia Hour."
 Orchestral—Halle Orchestra, "Capriccio Espagnole" (Rimsky-Korsakov) (02912/3).
 6.13 : Tacet.
 6.15 : Orchestral—Menorah Symphony Orchestra, "Bar Kochba Selection."
 Piano—Ignaz Friedman, "Minuetta from Suite" (J. Suk) 04346.
 Orchestral—New York Symphony Orchestra, "Entrance of the Little Fauns" (Pierne) (02907).
 6.28 : Tacet.
 6.30 : Band—B.B.C. Wireless Military Band, "Gathering Peascods—Folk Dance" (Arranged Cecil J. Sharp) (01711).
 Violin—Yelly D'Aranyi, "Souvenir" (Drda) (03644).
 Orchestral—Orchestra de la Societe des Concerts du Conservatoire, Paris, "Le Rouet D'Omphale" (Saint-Saens) (02926).
 6.42 : Tacet.
 6.45 : Band—B.B.C. Wireless Military Band, "Epping Forest Folkdance."
 Piano—Ignaz Friedman, "Berceuse" (Chopin) (04346).
 Orchestral—Berlin State Orchestra, "Wiener Blut" (Strauss) (04337).
 6.58 : Tacet.
 7.0 : News Session, Market Reports and Sports Results.
 7.40 : Lecturette—Mr. K. M. Gamble, of General Motors Limited, "The Motor."
 8.0 : Chimes.
 Overture—2YA Orchestrina (Conductor, Signor A. P. Truda), "Coriolanus" (Beethoven).
 8.9 : Mezzo-soprano—Miss Anne Gilpin, "Secrecy" (Wolf).
 8.13 : Pianoforte solo—Miss Eileen Goodson, "Viennese Waltz" (Friedman).
 8.19 : "Request" song recital by Mr. Barend Harris, of Sydney, "The Song of the Volga Boatmen" (Koenemann) (with explanatory remarks); "On the Road to Mandalay" (Speaks); "Request item."
 8.29 : Symphony—2YA Orchestrina, "Symphony in D Major" (Haydn).
 8.37 : Contralto—Miss Evelyn Robinson, "Oh Could I But Express in Song."
 8.41 : Recitation—Mr. Norman Aitken, "A Shakespearean Recitation," "Clarence's Dream" (Shakespeare).
 8.47 : Cello—Pablo Casals, "Spanish Dance" (Granados-Casals).
 8.50 : Tenor, with violin obligato—Mr. Les. Stapp, "Paris Angelicus."
 8.54 : Selection—2YA Orchestrina, "Barque D'Amour" (Drigo).
 9.1 : Weather report and announcements.
 9.3 : Mezzo-soprano—Miss Annie Gilpin, (a) "Remembrance" (Keel); (b) "The Valley and the Hill" (Quilter).
 9.9 : Flute—John Amadio, (a) "Hungarian Pastoral Fantasy" (Doppler); (b) "The Carnival of Venice" (Benedict-Briccialdi), H.M.V.
 9.17 : Further "request" items by Mr. Barend Harris, of Sydney, (a) "The Bedouin Love Song" (Pinsuti); (b) "Kol Nidrei" (all vows), (traditional, arr. Shifreen), (with explanatory remarks).
 9.27 : Selection—2YA Orchestrina, (a), (a) "Reconciliation" (Millions d'Arlequin), (Drigo); (b) "Carissima" (Elgar).
 9.35 : Humour—Mr. Norman Aitken, "Ercules" (Hurst).
 9.41 : Violin—Jascha Heifetz, "On Wings of Song" (Mendelssohn, arr. Achron), H.M.V. DB1216.
 9.45 : Contralto—Miss Evelyn Robinson, (a) "I Heard You Singing" (Coates); (b) "No, Sir" (Wakefield).
 9.51 : Tenor—Mr. Les Stapp, (a) "Who Knows?" (Ball); (b) "A Love Note" (Hahn).
 9.57 : Waltz—2YA Orchestrina, "Waltz Caprice" (Rubenstein).
 10.3 : Close down. God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, JULY 14.

- 3.0 : Afternoon session.
 4.25 : Sports results.
 4.30 : Close down.
 5.0 : Children's Hour, conducted by Scatterjoy.
 6.0 : Dinner Session, "Columbia" Hour.
 Selection—H.M. Grenadier Guards, "Merrie England" (German).
 Instrumental—Bournemouth Municipal Orchestra, "Idelle Bretonne."
 6.12 : Tacet.
 6.15 : Waltz—Jacque Jacobs Ensemble, "L'Estudiantina" (Waldteufel).
 Instrumental—Plaza Theatre Orchestra, (a) "A La Gavotte" (Finck); (b) "Minuet" (Finck) (01439).
 March—H.M. Grenadier Guards, Band, "Old Panama" (Alford).
 6.27 : Tacet.
 6.30 : Instrumental—Ketelbey's Concert Orchestra, "The Sacred Hour."
 Instrumental—Sandier's Orchestra, "Somebody, Somewhere" (Rapee).
 Instrumental—Bournemouth Municipal Orchestra, "Fluttering Birds."
 6.43 : Tacet.

Week-all Stations-to July 20

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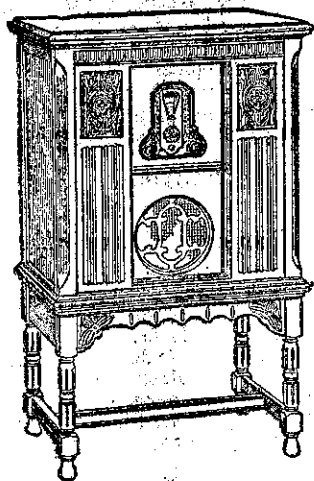
- 6.45: Quartet—Musical Art Quartet, (a) "Mighty Lak a Rose" (Nevin); (b) "To a Wild Rose" (McDowell) (01506).
Instrumental—Sandler's Orchestra, "Senny Boy" (de Sylva) (01521).
March—H.M. Grenadier Guards, "Dunedin" (Alford) (01585).
- 6.57: Tacet.
- 7.0: News Session.
- 7.30: Talk—Mrs. E. E. Taylor, "General Talk on Open Air Schools."
- 8.0: Chimes.
Band programme by the Christchurch Municipal Band (Conductor Mr. J. Noble, and assisted by SYA Artists).
March—Band, (a) "Grove House" (Ord Hume).
Minuet, Band; (b) "Ode to St. Cecilia's Song" (Handel).
- 8.13: Baritone—Mr. B. H. Collett, "That Old-Fashioned Mother of Mine."
8.17: Organ—Reg Foort, "In the Heart of the Sunset" (Nicholls).
8.21: Contralto—Mrs. C. Bull, "Dreaming of Home" (Dowden).
8.25: Selection—Band, "Classica" (Montague Ewing).
8.35: Humour—Mr. L. T. J. Ryan, "The Girl on the Stairs" (Hanray).
8.40: Orchestral—National Symphony Orchestra, "The Evolution of Dixie" (Lake) (Zonophone EE178).
- 8.46: Soprano—Miss Marjory Miller, (a) "Smiling Through" (Penn); (b) "Were I a Rose?" (Jacobs Bond).
8.52: Chorus—Mixed Chorus, "Sea Songs" (H.M.V. EB25).
8.55: Hymn—Band, "Abide With Me" (Monk).
9.0: Weather Report and Station Notices.
9.2: Orchestral—Nat Shilkret and His Orchestra, "Stephen Foster Melodies" (Foster) (EB47).

- 9.10: Baritone—Mr. B. H. Collett, (a) "I Pass by Your Window" (Brahe); (b) "My Heart's Desire" (Robert Clarke).
9.16: Organ—Reg. Foort, "For Ever" (Ager) (H.M.V. B3044).
9.19: Contralto—Mrs. C. Bull, (a) "If Any Little Songs of Mine" (Del Riego); (b) "What a Wonderful World" (Wilmot).
9.25: Cornet Solo—Bandsman F. Barsby, with band accompaniment, (a) "Londonderry Air" (arrgd. Hawkins); (b) "Drink to Me Only."
9.32: Humour—Mr. L. T. J. Ryan, "Random Ramblings" (Own Arrgt.).
9.38: Patrol—Band, "The Elephant's Parade" (Andre de Basque).
9.44: Soprano—Miss Marjory Miller, "I Love You Truly" (Jacobs Bond).
9.48: Novelty—International Novelty Orchestra, "El Choclo" (Villoldo), "Y Como Le Va?" (Valverde) (H.M.V. EA364).
9.54: March—Band, "Through Bolts and Bars" (Urbach).
God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, JULY 14.

- 3.0: Chimes. Selected gramophone items.
4.25: Sporting results.
4.30: Close down.
5.0: Chimes. Children's hour, conducted by Big Brother Bill.
6.0: Dinner music, H.M.V. hour.
Royal Albert Hall Orchestra, "Carmen Prelude, Act 1 (Bizet) (E461).
National Symphony Orchestra, "Sylvia Ballet Cortege de Bacchus."
Organ—Reginald Foort, "Schon Rosmarin" (Kreisler) (B2664).
6.12: Tacet.
6.15: Marek Weber's Orchestra, "Vienna by Night" (Komzak) (C1507).
Cello—Lauri Kennedy, "Hungarian Rhapsody" (Popper) (C1595).
6.27: Tacet.
6.30: Selection—National Symphony Orchestra, "Bohemian Girl" (Balfe).
Royal Albert Hall Orchestra, "Carmen Prelude, Act 2" (Bizet).
Organ—Reginald Foort, "A Brown Bird Singing" (Haydn-Wood).
6.42: Tacet.
6.45: Royal Opera Orchestra, "Hungarian Dance, No. 5" (Brahms) (C1415).
Selection—H.M. Coldstream Guards, "H.M.S. Pinafore" (Sullivan).
6.57: Tacet.
7.0: News session.
7.40: Talk—W.E.A.
8.0: Chimes.
Overture—Halle Orchestra, "Rosamunde" (Schubert) (Col. 04056).
8.9: Studio presentation by the Harmonists Quartet of "To-night's the Night" (Rubens).
8.35: Selection—The Select Four, "Barber of Seville" (Rossini).
8.42: Continuation by Harmonists Quartet, "To-night's the Night."
9.2: Weather report.
9.4: Orchestral—Bayreuth Festival Orchestra, (a) "Prelude, Act 3"; (b) "Fire Music" (Sigfried) (Wagner) (Col. L2015).
9.12: Soprano—Miss Mae Matheson, "Love Will Find a Way" (Graham).
9.16: Selection—Select Four, (a) "Bits and Pieces" (Baynes); (b) "Chanson Indoue" (Korsakav); (c) "Crown of Diamonds" (Auber).
9.28: Baritone—Mr. S. Falconer, "The Garden of Allah" (Marshall).
9.32: Piano—Mrs. C. Drake, "Tarantelle" (Korgouoff).
9.36: Contralto—Miss Margaret Green, (a) "Eriskay Love Lilt" (Fraser); (b) "Melisande in the Woods" (Goetz).
9.42: Selection—Select Four, "The Beggar's Opera" (Austin).
9.52: Tenor—Mr. H. Johnston, "Yeoman's Wedding Song" (Poniatowski).
9.56: Selection—Select Four, "Floradora" (Stuart).
10.3: God Save the King.

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WELLINGTON

Tuesday, July 15

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, JULY 15.

- 3.0: Afternoon session—Selected studio items, including Literary Selection by the Announcer.
4.30: Close down.
5.0: Children's session, conducted by "Uncle Dave."
6.0: Dinner session, "H.M.V." hour.
Orchestral—New Light Symphony Orchestra, "Merry Wives of Windsor" (Nicolai) (C1260).
Waltz—Marek Weber's Orchestra, "Moonlight on the Alster" (Petras).
6.12: Tacet.
6.15: Intermezzo—New Light Symphony Orchestra, "Hearts and Flowers."
Waltz—Marek Weber's Orchestra, "Wine, Women and Song" (Weber).
Wurlitzer organ—Reginald Foort, "By the Blue Hawaiian Waters."
6.26: Tacet.
6.30: Orchestral—New Light Symphony Orchestra, "The Glow Worm Idyll."
Orchestra—Victor Salon Orchestra, "Indian Love Call" ("Rose Marie") (Friml) (EA186).

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

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

6.43: Tacet.

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

Wurlitzer organ—Reginald Foort, (a) "Leave Me Alone"; (b) "Songs My Mother Taught Me" (Dvorak) (C1459).

6.57: Tacet.

7.0: News and market reports.

7.15: Talk—Mr. R. Talbot, "Motoring."

8.0: Chimes.

Overture—Vienna Philharmonic Orchestra, "Leonora" Overture, No. 3 (Beethoven) (H.M.V. 1614/5).

8.17: Contralto—Miss Beryl Smith, "O Del Mio Dolce Ardor" (Gluck).

8.21: Instrumental trio—Studio Trio, selection from the Opera—"Madame Butterfly" (Puccini).

8.31: Bass—Mr. Duncan Black, "Simple Sailor Man" (German).

8.35: Vocal duet—Miss Beryl Smith and Mr. Duncan Black, "Won't You Boy?"; "Girl Behind the Counter" (Talbot).

8.39: Instrumental trio—Studio Trio, "Prelude to Act 3 of 'Kunhild.'" "

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

9.0: Evening weather forecast and announcements.

9.2: Contralto—Miss Beryl Smith, "Che Faro Senza Euridice—Orfeo."

9.6: Instrumental trio—Studio Trio, "Prize Song 'Meistersingers.'" "

9.13: Bass—Mr. Duncan Black, "In Happy Moments 'Maritana'" (Wallace).

9.17: Instrumental trio—Studio Trio, "Selection from 'Sullivan' Operas."

9.27: Choral—Royal Choral Society, "Chorale, Act 1," "The Mastersingers."

9.30: Dramatic sketch—Mrs. Zoe Bartley-Baxter and Company, "A Ghost Story" (half an hour of thrills and mystery) (Anon).

10.0: Orchestral—London Symphony Orchestra, "Huldigung's March."

10.8: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, JULY 15.

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

3.30 and 4.30: Sporting results.

4.55: Close down.

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

6.0: Dinner music session—"Columbia" hour.

Band—Band of the Garde Republicaine of France, "The Two Pigeons" (1) Entrance of Tziganes, (2) Scene and March of the Two Pigeons (Messenger), (3) Hungarian Dance, (4) Theme and Variations. 02924/5.

6.14: Tacet.

6.15: Orchestral—Modern Dance Players, "Over the Waves" (Roses).

Orchestral—Modern Dance Players, "Amoretten Tanze" (Gungl).

Piano—Gil Dech, "Le Jet d'Eau" (Smith), 01719.

Band—B.B.C. Wireless Military Band, "Fourpence-halfpenny Farthing" (Cecil J. Sharp), 01710.

Trio—Stellar Instrumental Trio, "The Maiden's Prayer" (Bada-rewska), 01719.

6.28: Tacet.

6.30: Band—H.M. Grenadier Guards, "Fantasia on Seventeenth Century Music, A.D. 1664" (arr. Major George Miller), 02890.

Saxophone—Rudy Wiedoeft, "Melody" (Dawes), 01180.

Orchestral—Continental Novelty Orchestra, "Los Claveles de Sevilla" (Guerrero), Regal G20552.

6.43: Tacet.

6.45: Orchestral—Continental Novelty Orchestra, "Las Lagarteranas" (Guerrero and Foulkes), Regal G20552.

Instrumental—Squire's Celeste Octet, "Come into the Garden, Maud" (Balfe, arr. Sear), 01103.

Instrumental—Squire's Celeste Octet, "Killarney" (Balfe, arr. Sear).

Organ—Terence Casey, "I'm Lonely" (Coates), 01501.

Band—B.B.C. Wireless Military Band, "Lilli Bulerlo" (arr. Cecil J. Sharp), 01710.

6.59: Tacet.

7.0: News session, market reports and sports results.

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

"HAWAII CALLING: A Radio Dream of Maoriland," by the Wanganui Maori Party, organised by R. M. Ritchie and H. Mete Kingi.

Act 1—The prelude, in a modern pa on the Wanganui River; the venerable chief, Parakain, soliloquises on present-day life compared with that of old times. He dreams of Hawaiki. Radio sets back the clock.

Act 2—At Hawaiki. The oracles speak. Preparing for migration.

Act 3—The long canoe journey. Incantations by tohunga to sun and moon; rhythmic swing of the paddles; incidents on the voyage: the tired crew; the joker; inspiring haka; at last, "The Long White Cloud."

Act 4—Maoris settle in New Zealand. First haka; old-time pa life and customs; work and play; entertainment of visitors; hakas and pois; items on the koanau (primitive flute).

Act 5—Coming of the pakeha. Missionaries; traders; the great war; memorial hymn.

Act 6—Maori concert in modern pa, presenting the following items:—

Orchestra—"Come Down the Wanganui River."

Chorus—"Hoki hoki tonu mai," Raina Kahukura and party.

Quartet—2YA Party.

Solo and chorus—"Waitangi," Te Ua Tamehana and party.

Novelty—Haka party.

Solo—"Haere haere mai," Ka Winiata.

Solo and chorus—"Home, Little Maori, Home," Tira Raotu and party.

Patter chorus—"Moutoa," party.

Solo and chorus—"Poata Rau," party.

Novelty item—"Dish Kopi Kopi," party.

Solo—"When the Great Red Dawn is Shining," Makuini Tamehana.

Chorus—"Haere haere ra e hine," party.

Solo—"Raniera te Tama," Raina Kahukura.

Trio—"Haere ra Pomere," party.

Short poi—Party.

Solo—"Link Divine," Raina Kahukura.

Haka—"Toia te waka," party.

Solo—"Hine he hine," Makuini Tamehana and party.

Long poi—Party.

Solo—"The Old Chorus Church Choir," Mangu Tahana.

Quartet—"Hei konei ete Ipo," Potae, Perepe, Waldren and Tawarua.

Solo and chorus—"Pokare kare," Mere Whanarere and party.

Haka—"Ete iwi, ete iwi," party.

Solo—"Waiata Poi," Tira Raotu.

Action chorus—"E pari ra," party.

Vocal duet—"When you Played the Organ," Mere and Makuini.

Chorus—"Tahi nei taru kino," party.

Solo—"Dream Boat," Ka Winiata.

Solo—"Haere tonu ra."

Hymn—"Tama ngakau marie," party.

Haka—"Ka mate, ka mate," party.

Solo and chorus—"Me kimi te ao nei" (Home, Sweet Home), Mangu Tahana and party.

(Note.—Programme and order of items subject to alteration.)

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, JULY 15.

8.0: Chimes.

Rebroadcast of 2YA Wellington—Hawaiki Calling—A Radio Dream of Maoriland, by the Wanganui Maori Radio Pageant Party.

God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, JULY 15.

3.0: Chimes. Selected gramophone items.

4.25: Sporting results.

4.30: Close down.

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

6.0: Dinner music, "Columbia" hour.

Orchestral—Finck's Orchestra, "Gaiety Echoes" (Caryll Monckton).

Orchestral—Sandler's Orchestra, "Las Lagarteranas."

Violin—Lipschultz, "La Golondrina" (Sorraddell) (Regal G20489).

6.18: Tacet.

6.15: Instrumental—Squire's Celeste Octet, "Everybody's Melodies."

Organ—John Hassel, "By the Waters of Minnetonka" (Lleurance).

Orchestral—Sandler's Orchestra, "Raphaellito" (Guerrero & Foulkes).

6.28: Tacet.

6.30: Orchestral, Regal Cinema Orchestra, "Broadway Selection" (Gottler).

Violin—Lipschultz, "Estrellita" (Ludlow) (Regal G20489).

Orchestral—Eomani and Italian Orchestra, "Old Comrades March."

6.43: Tacet.

6.45: Orchestral—Berlin State Orchestra, "Die Fledermaus" (Strauss).

Orchestral—Nullo Romani's Orchestra, "Canto al Inverno."

Orchestral—Russian Novelty Orchestra, "Tesoro Mio" (Becucci).

6.58: Tacet.

7.0: News session.

8.0: Chimes.

Relay from 2YA Wellington of Pageant Hawaiki Calling. "A Radio Dream of Maoriland," by the Wanganui Maori Radio Pageant Party.

10.30: God Save the King.

Wednesday, July 16

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, JULY 16.

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

4.30: Close down.

5.0: Children's session, conducted by "Uncle Tom."

6.0: Dinner session—"H.M.V." Hour:

March—United States Army Band, "Army and Marine" (Zono, EE145)

Selection—Piccadilly Orchestra, "The Waltz Dream" (Strauss).

Jack Hylton's Orchestra, "My Inspiration is You" (Nicholls) (C1577)

6.12: Tacet.

6.15: Royal Opera Orchestra, "Sylvia Ballet Prelude" (Delibes) (C1417).

Royal Opera Orchestra, "Sylvia Ballet Intermezzo" (Delibes) (C1417)

Salon Orchestra, "Chanson Boheme" (Baldi) (B2581).

6.27: Tacet.

6.30: Jack Hylton's Orchestra, "A Room with a View" (Coward) (C1577).

Salon Orchestra, "Aloha Sunset Land" (Kawelo) (B2581).

March—San Francisco Symphony Orchestra, "Marche Militaire" (ED9)

6.42: Tacet.

6.45: Detroit Symphony Orchestra, "Spanish Rhapsody" (Chabrier) (E522).

Balalaika Orchestra, "Shining Moon" (Russian folk song) (EA48).

- March—U.S. Army Band, "American Spirit" (Buglione) (Zone. EE145).
 6.57: Tacet.
 7.0 : News and market reports.
 7.40: Talk—Mr. Norman Kerr, "Physical Culture."
 8.0 : Chimes. Overture—Albert W. Ketelbey's Concert Orchestra, "Chal Romano" (Ketelbey) (Columbia 02693).
 8.9 : Mezzo-soprano—Miss Phyllis Tye, "I Little Knew" (Fredericks).
 8.12: Orchestral Selection—The Monte Carlo Concert and Dance Band, under direction of Mr. T. K. Cunningham, "Rio Rita" (Tierney).
 8.22: Humorous duet—Mr. Flotsam and Mr. Jetsam, "Only a Few of Us Left" (Flotsam and Jetsam) (Columbia 01347).
 8.25: Saxophone duet—Messrs. Pickering and Lewis, (a) "Lucia di Lammermoor" (Donizetti).
 Orchestral foxtrot—Monte Carlo Concert and Dance Band, "I'm in Love with You" (Cowan).
 8.36: Vocal pianoforte duo—Misses Phyllis and Edna Tye: Piano, "Valse, Op. 42" (Chopin); Vocal, "Fairy Lights" (Lohr).
 8.42: Band—Regimental Band of H.M. Grenadier Guards, "Barcarolle" (Tschalkowsky) (Columbia 02677).
 8.45: Lecture—Mr. L. J. Cronin, "Sidelights of Parliament."
 9.0 : Evening weather forecast and announcements.
 9.2 : Orchestral selection—Monte Carlo Concert and Dance Band, "Il Trovatore" (Verdi).
 9.19: Violin—Sascha Jacobsen, "To a Wild Rose" (MacDowell) (Col. 01146).
 9.22: Vocal and pianoforte duo—Misses Phyllis and Edna Tye: Vocal, "Advice" (Carew); Piano, "Colliwog's Cake-Walk" (Debussy).
 9.30: Orchestral—Foxtrot, Monte Carlo Concert and Dance Band, (a) "The Web of Love" (Cowan).
 Xylophone solo—Mr. D. Callinan, (b) "Rosewood" (De Ville).
 9.38: Bass—Robert Eastar, "Song of Hybrias the Cretan" (Elliott) (Col.).
 9.42: Orchestral waltz—Monte Carlo Concert and Dance Band, (a) "Marie" (Berlin).
 Blues Foxtrot—Monte Carlo Concert and Dance Band, (b) "Am I Blue?" (Clark).
 9.52: Humour—Clapham and Dwyer, "At the Races" (Columbia 01479).
 9.58: Orchestral and foxtrot—Monte Carlo Concert and Dance Band, "I'm Laughing" (Zany).
 10.1 : God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, JULY 16.

- 10.30 a.m.: Selected studio items.
 2.30: Relay from the Radio Exhibition, Town Hall, of items by James Haydock's Orchestra, interspersed with studio items.
 3.30 and 4.30: Sporting results to hand.
 4.55: Close down.
 5.0 : Children's session.
 6.0 : Dinner music, "H.M.V." hour.
 Overture—H.M. Coldstream Guards Band, "Poet and Peasant" (Suppe).
 Orchestral—Symphony Orchestra, "Love the Magician" (De Falla).
 6.12: Tacet.
 6.15: March—National Military Band, "Liberty Bell" (Sousa). Zono. 5366.
 Waltz—International Novelty Quartet, "Cuckoo" (Johansson). Zono.
 Waltz—Jack Hylton's Orchestra, "Spanish Rose" (Pearson). B5481.
 Xylophone—Sam Herman, "Al Fresco." Zono. EE53.
 6.27: Tacet.
 6.30: Orchestral—New Light Symphony Orchestra, "In a Clock Store" (Orth).
 March—Royal Opera Orchestra, "Marche Hongroise" (Berlioz). C1279.
 Orchestral—Symphony Orchestra, "Spanish Dance" (De Falla). D1453.
 6.42: Tacet.
 6.45: Schottische—International Novelty Quartet, "Lena" (Mewes). Zono.
 Pipe organ, piano, trombone and harp—Shilkret's Rhythm Melodists, "When You're With Somebody Else" (Gilbert). EA336.
 Waltz—Jack Hylton's Orchestra, "The Angelus was Ringing" (Damarrell). B5481.
 March—National Military Band, "El Capitan" (Sousa). Zono. 5366.
 6.57: Tacet.
 7.0 : News session, market reports and sports results.
 8.0 : Chimes.
 From the Radio Exhibition.
 Official opening of the 1930 Radio Exhibition by the Postmaster-General, Hon. J. B. Donald.
 The Wanganui Maori Radio Party will entertain with 30 minutes of songs, choruses, pois and hakas.
 9.0 : Weather report and announcements.
 9.2 : Selection—2YA Salon Orchestra, "New Sullivan Selection" (afr. Godfrey).
 9.10: Mezzo-soprano—Miss Beatrice Aydon, "Your Song from Paradise" (Brown).
 9.14: Baritone—Mr. Ernest Short, "Matilda" (who told lies and was burned to death), from "Four Cautionary Tales" (Lehmann).
 9.18: Novelty piano—Mr. J. McKenzie, in a medley of the latest musical comedy and popular song numbers.
 9.23: Elocution—Mr. J. F. Montague, "Equal Rights" (MS.), "Good-bye, God Bless You" (Field).
 9.33: Selection—2YA Salon Orchestra, "Maori Fantasia" (arr. Dixon).
 9.41: Contralto—Miss Hilda Chudley, a Jewish lullaby, "My Heart is on a Willow Tree" (Needham).
 9.45: Violin—Efrem Zimbalist, "Zapateado" (Sarasate). 04221.
 9.49: Elocution—Mr. J. F. Montague, "From My Scrap Book" (original).

- 9.59: Selection—2YA Salon Orchestra, "Shepherd's Hey" (Grainger).
 Violin solo with piano accompaniment—Mr. W. Haydock, "Gypsy Aids" (Sarasate).
 10.9 : Mezzo-soprano—Miss Beatrice Aydon, (a) "Five Little Piccaninnies" (Anthony); (b) "Garden of Happiness" (Wood).
 10.15: Baritone—Mr. Ernest Short, "Hungry King" (who chewed bits of string and was cut off in dreadful agonies), from "Four Cautionary Tales" (Lehmann).
 10.19: Piano—Mr. J. McKenzie, in further musical comedy numbers.
 10.24: Contralto—Miss Hilda Chudley—A bracket of Two Manx Ballads, "Little Red Bird" (Foster), "Johnny of the Grey Jacket" (Foster).
 10.30: Selection—2YA Salon Orchestra, "Beautiful Galathea" (Suppe).
 10.38: Close down.
 11.0 : Special performance of "Hawaiki Calling," by the Wanganui Maori Party, for overseas listeners.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, JULY 16.

- 3.0 : Afternoon session, gramophone recital.
 4.25: Sports results.
 4.30: Close down.
 5.0 : Children's hour, "Uncle John."
 6.0 : Dinner music session, "H.M.V." hour.
 Orchestral—New Symphony Orchestra, "Le Cid Ballet Music." A—Castillane; B—Aubade; C—Andalouse; D—Aragonesa (Massenet).
 Violin—Heifetz, (a) "Jota" (De Falla); (b) "Puck" (Grieg).
 Orchestral—Marek Weber and His Orchestra, "Menuet No. 1."
 6.14: Tacet.
 6.15: Band—Band of H.M. Coldstream Guards, "Iolanthe" (Sullivan).
 Orchestral—The London Orchestra, "Valse Memories, Parts 1 and 2."
 Organ—R. E. McPherson, "Ninette" (Maud) (B3118).
 6.28: Tacet.
 6.30: Orchestral—New Symphony Orchestra, "Le Cid Ballet Music." A—Madrilene; B—Navarraise (Massenet) (C1639).
 Violin—Heifetz, "On Wings of Song" (Mendelssohn) (DB1216).
 Band—Band of H.M. Coldstream Guards, "Pirates of Penzance."
 6.43: Tacet.
 6.45: Orchestral—Marek Weber's Orchestra, "I Pagliacci" (Leoncavallo).
 Organ—R. E. McPherson, "A Japanese Sunset" (Deppen) (B3118).
 Orchestral—Marek Weber and Orchestra, "Coeur Brise" (Gillet).
 6.59: Tacet.
 7.0 : News session.
 7.30: Addington stock market reports.
 8.0 : Chimes.
 Overture—Classic Symphony Orchestra, "Carmen Selection" (Bizet, arrgd. De Groot) (Regal G30009).
 8.9 : Tenor—Mr. H. J. Francis, "On With the Motley" (from "Pagliacci").
 8.13: Piano duet—Miss Dulcie Clements and Nancy Watson, "Invitation to the Waltz" (Weber).
 8.20: Soprano—Miss Agnes Cunningham, (a) "Black Roses" (Barry); (b) "Rose Softly Blooming" (Spohr).
 8.26: Instrumental trio—Christchurch Broadcasting Trio, "Molto Allegro Agitato" from ("Trio in D Minor") (Mendelssohn).
 8.36: Quintet—Visconti Vayon Bernadet Roussel Mathyl, "All's Prepared," "Carmen, Act 2" (Bizet) (Col. 9532).
 8.39: Mezzo-soprano—Miss Anita Graham, "Di Tanto Palpiti" (After long Mourning) (from "Tancredi") (Donizetti).
 8.43: Violin—Miss Irene Morris, "Chanson Louis XIII Pavane."
 8.47: Tenor—Mr. H. J. Francis, (a) "Lord Randall" (Scott); (b) "To a Wild Rose" (MacFadyen).
 8.53: Harp solo—Mr. H. G. Glaysher, "Love's Fascination" (Thomas).
 8.58: Chorus—Orchestral Symphonique de Paris and Chorus, "When Soldiers Mount Guard" from "Carmen" (Bizet) (Col. 9523).
 9.2 : Weather report and station notices.
 9.4 : Orchestral—Orchestra Symphonique de Paris, "Entr'acte, Act 3 Carmen" (Bizet) (Col. 9535).
 9.7 : Soprano—Miss Agnes Cunningham, (a) "T'was April" (Nevin); (b) "The String of Pearls" (Phillips).
 9.13: Piano duet—Misses Dulcie Clements and Nancy Watson, "Valse des Fleurs" (Tschalkowsky).
 9.19: Baritone—Mr. Fred A. Bullock, recital and aria, "O Star of Eve."
 9.23: Harp—Mr. H. G. Glaysher, "The Bells of Aberdyfy" (Thomas).
 9.28: Orchestral and Chorus—"Now Listen" from "Carmen" (Bizet).
 9.32: Violin—Miss Irene Morris, "Minuet" (Haydn).
 9.35: Mezzo-soprano—Miss Anita Graham, (a) "June" (Rummel); (b) "Cradle Song of the Poor" (Moussorgsky).
 9.41: Instrumental trio—Christchurch Broadcasting Trio, (a) "Minuet" (Frank Bridge); (b) "Gavotte"; (c) "Allegretto."
 9.51: Baritone—Mr. Fred A. Bullock, (a) "Pleading" (Elgar); (b) "Thou Art Risen" (Coleridge-Taylor).
 9.57: Orchestral—Orchestra Symphonique de Paris and Chorus, "Here They Come" ("Carmen") (Bizet) (Col. 9540).
 10.0 : Dance programme, "Brunswick" hour.
 Foxtrot—Tom Gerunovich and His Roof Garden Orchestra, "Am I Blue?" (Clarke Akst).
 Foxtrot—Carl Fenton and His Orchestra, "Laughing Marionette."
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "'Twas Not So Long Ago" (Hammerstein and Kern) (4614).
 Foxtrot—Ray Miller and His Orchestra, "That's Where You Come In."
 10.12: Foxtrot—Roy Ingraham and His Orchestra, "Like a Breath of Spring time" (Dublin-Burke) (4544).
 Foxtrot—Carl Fenton and His Orchestra, "Sweetness" (Miller-Lombardo-Cohn) (4591).

Thursday, July 17

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, JULY 17.

- 3.0 : Afternoon session—Selected studio items, including literary selection by the Announcer.
- 3.15: Talk, Home Science—"Tired Husbands." Talk prepared by Home Science Extension Service, Otago University.
- 3.30: Further selected studio items.
- 4.30: Close down.
- 5.0 : Children's session, conducted by "Peter Pan."
- 6.0 : Dinner session—"Parlophone" Hour.
- Overture—Grand Symphony Orchestra, "Zampa" (Herold) (A4020).
- Waltz—Dajos Bela Orchestra, "Morgenblätter" (Strauss) (A4038).
- 6.12: Tacet.
- 6.15: Instrumental—Orchestra of the Opera Comique, Paris, "Scenes Pittoresques" (Massenet) (A4057).
- Waltz—Edith Lorand Orchestra, "Vienna Waltz" (Drdla) (E10532).
- 6.27: Tacet.
- 6.30: Waltz—Dajos Bela Orchestra, "Marien Klänge" (Strauss) (A4038).
- Instrumental—Dajos Bela Orchestra, "Ideale" (Tosti) (A4015).
- Waltz—Edith Lorand Orchestra, "Merry Vienna" (Zishrer).
- 6.42: Tacet.
- 6.45: Waltz—Edith Lorand Orchestra, "Song of Autumn" (Waldteufel).
- Waltz—Queenie and David Kaili, "Hawaiian March" (Ellis) (A2372).
- Valse intermezzo—Edith Lorand Orchestra, "The Flowers' Dream."
- Selection—H.M. Irish Guards, "The Desert Song" (Romberg) (A2433).
- 6.57: Tacet.
- 7.0 : News and market reports.
- 7.40: Talk—Mr. N. M. Richmond, "Life and Labour in the 19th Century."
- 8.0 : Chimes.
- Overture—1YA Orchestral Octet, under direction of Mr. Eric Waters, "Potted Overtures" (Engleman).
- 8.11: Bass-baritone—Mr. Arthur Wright, (a) "I Fear No Foe" (Pinsuti); (b) "Lighterman Tom" (Squire).
- 8.18: Hawaiian instrumental—Ingall's Hawaiians, under direction of Mr. Barry Ingall, (a) "Bright Moon" (Lea Roberts); (b) "Honolulu Rag" (Owne Arrgt.); (c) "Wreath for Princess" (Kopkin).
- 8.27: Orchestral—1YA Orchestral Octet, (a) "Intermezzo—Pieve Town" (Flynn); (b) "Pierrette's Wedding" (Jordan).
- 8.35: Songs at the piano—Mr. Dan Flood, (a) "It's Refined" (Lipton); (b) "Bredon Hill" (Housman).
- 8.43: Suite—1YA Orchestral Octet, Suite, "A Doll's House" (Engleman): (1) The Green Baize Lawn, (2) The Blue Budoir, (3) The Toy Piano, (4) The Sleeping Doll, (5) The Clock-work Two-seater.
- 8.53: Bass-baritone—Mr. Arthur Wright, "Oh, to be a Gipsy" (Forster).
- 8.57: Xylophone and piano—Mr. Roy Brinsden and Mr. Eric Waters, "Dainty Miss" (Arndt).
- 9.2 : Evening weather forecast and announcements.
- 9.4 : Hawaiian—Ingall's Hawaiians, (a) "Snaps Medley" (arrgd. Ingall); (b) "Hawaiian Echoes" (Traditional); (c) "Hilo March."
- 9.13: Songs at the piano—Mr. Dan Flood, "Songs and their Singers" (Grant).
- 9.18: Orchestral—1YA Orchestral Octet, "Latest Novelties."
- 9.28: Programme of dance music—"Brunswick."
- Foxtrot—Tom Clines and His Music, "Miss Wonderful" (Bryan-Ward).
- Foxtrot—Roger Wolfe and His Orchestra, "Cooking Breakfast for the One I Love" (Rose-Tobias) (4699).
- Foxtrot—Tom Clines and His Music, "Somebody Mighty Like You."
- Foxtrot—Herbert Gordon and His Hotel Ten Eyck Whispering Orchestra, "You Can't Believe My Eyes" (Bryan-Meyer) (4585).
- Foxtrot—Abe Lyman and His California Orchestra, "The Rogue Song."
- 9.45: Vocal—Dick Robertson, "Singin' in the Bathtub."
- Foxtrot—Herbert Gordon and His Hotel Ten Eyck Whispering Orchestra, "If I Can't Have You" (Bryan-Meyer) (4585).
- Foxtrot—Isham Jones' Orchestra, "Nina Rosa" (Caesar-Romberg).
- Foxtrot—Abe Lyman and His California Orchestra, "When I'm Looking at You" (Grey-Stothart) (4696).
- Waltz—Isham Jones' Orchestra, "Your Smiles, Your Tears."
- 10.0 : Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "A Night of Happiness" (Conrad-Mitchell-Gottler) (4698).
- Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Beside an Open Fireplace" (Denniker-Osborne) (4697).
- Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Hangin' on the Garden Gate" (Kahn-Florito) (4698).
- Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Just Can't be Bothered with Me" (Kahn-Simons) (4697).
- 10.12: Vocal—Belle Baker, "I'm Walking with Moonbeams."
- Foxtrot—Roger Wolfe Kahn and His Orchestra, "When a Woman Loves a Man" (Rose-Rainger) (4699).
- Foxtrot—Bob Haring and His Orchestra, "Do Ya' Love Me?"
- Waltz—Carter's Orchestra, "California Sunshine" (Ford-Earl).
- 10.24: Foxtrot—Bob Haring and His Orchestra, "Where You Are."
- Foxtrot—Ben Bernie and His Orchestra, "West Wind."
- Foxtrot—The A. and P. Gypsies, "Gypsy Dream Rose."
- Foxtrot—Colonial Club Orchestra, "Why Do You Suppose."
- Foxtrot—Bob Haring and His Orchestra, "Under a Texas Moon."
- 10.39: Vocal—Dick Robertson, "Lady Luck" (Perkins) (4592).
- Foxtrot—Colonial Club Orchestra, "My Man is on the Make."
- Foxtrot—Ben Bernie and His Orchestra, "The One Girl" (Youmans).

Foxtrot—Roger Wolfe Kahn and His Orchestra, "Don't Ever Leave Me" (Hammerstein-Kern) (4614).

Foxtrot—Roy Ingraham and His Orchestra, "Deep in the Arms of Love" (Davis-Ingraham) (4544).

Vocal—Charles King, "Happy Days are Here Again" (Ager-Yellen).

10.27: Foxtrot—Roger Wolfe and His Orchestra, "Why Was I Born?"

Foxtrot—Ray Miller and His Orchestra, "In a Kitchenette."

Foxtrot—Roger Wolfe Kahn and His Orchestra, "Here Am I!"

Foxtrot—Ray Miller and His Orchestra, "Ain't You Baby?"

Foxtrot—Tom Gerunovich and His Orchestra, "Let Me Have My Dreams" (Clarke-Akst) (4429).

Waltz—Jesse Stafford and His Orchestra, "A Bundle of Old Love Letters" (Freed-Brown) (4659).

10.45: Vocal—June Pursell, "Never Say Die" (Robin-Chase).

Foxtrot—Jesse Stafford and His Orchestra, "Only Love is Real."

Vocal—June Pursell, "The Album of My Dreams" (Davis-Arlen).

Foxtrot—Jesse Stafford and His Orchestra, "Should I?" (Freed-Brown)

Foxtrot—Henry Lange and His Baker Hotel Orchestra, "Somebody Loves Me" (MacDonald-de Sylva-Gershwin) (4478).

11.0 : Rebroadcast of 2YA Wellington, Hawaiki Calling, A Radio Dream of Maoriland, by the Wanganui Maori Radio Pageant Party.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, JULY 16.

- 3.0 : Chimes. Selected gramophone items.
- 3.15: Talk—Home Science Extension Department of Otago University, under auspices of Primary Productions Committee.
- 4.25: Sporting results.
- 4.30: Close down.
- 5.0 : Chimes. Children's Hour, conducted by Big Brother Bill.
- 6.0 : Dinner music—"H.M.V." Hour:
- March—American Legion Band, "The Conqueror" (Teike) (Zono.).
- Selection—Savoy Orpheans, "Lido Lady" (Rodgers) (C1310).
- 6.12: Tacet.
- 6.15: New Light Symphony Orchestra, "Rustic Wedding Symphony" (C1210)
- Victor Olof Sextet, "To a Water-Lily" (Macdowell) (B2690).
- New Light Symphony Orchestra, "Spanish Dance" (Moszkowski).
- Wurlitzer organ—Reginald Foort, "Just Like a Darby and Joan."
- 6.28: Tacet.
- 6.30: Jack Hylton's Orchestra, "The Selfish Giant" (Coates) (C1253).
- Victor Olof Sextet, (a) "To a Wild Rose," (b) "In Autumn."
- Violin and Wurlitzer organ—De Groot and Terence Casey, "Parted."
- 6.44: Tacet.
- 6.45: Victor Symphony Orchestra, "Dance of the Hours" (Ponchielli).
- Wurlitzer organ—Reginald Foort, "Love Lies" (Kellard) (B2775).
- March—American Legion Band, "Town Corn Song" (arr. Beeston).
- 6.58: Tacet.
- 7.0 : News session.
- 7.15: Talk—Mr. James Begg, under auspices of 4YA Primary Productions Committee, "The Value of Shelter."
- 8.0 : Chimes. Relay from Early Settlers' Hall, Dunedin, of concert programme under auspices of the Burns Club, Dunedin.
- 9.45: Dance session—"Columbia" hour and a-half:
- Foxtrot—Broadway Nitelites, "You're the Cream in My Coffee" (01663)
- Foxtrot—Danza Dance Band, "A Lane in Spain" (Lewis and Lombardo)
- Foxtrot—Benson All-Star Orchestra, "To Know You is to Love You."
- Foxtrot—The Piccadilly Players, "The Five O'Clock Girl" (Happy-Go-Lucky Bird) (Kalmar and Ruby) (01492).
- Vocal—Will Fyffe, "She was the Belle of the Ball" (Will Fyffe) (01766)
- 10.0 : Foxtrot—The Piccadilly Players, "The Five O'Clock Girl" (Who did? You did) (Kalmar and Ruby) (01492).
- Foxtrot—Rhythmic Troubadours, vocal refrain, "Revolutionary Rhythm" (Davis. Coots, Spier) (G20600).
- Foxtrot—Ipana Troubadours, "'s Wonderful" (Gershwin) (01306).
- Foxtrot—Ipana Troubadours, "I'll Get By" (As long as I have you).
- Foxtrot—Debroy Somers Band, "Without You, Sweetheart" (De Sylva)
- 10.15: Foxtrot—Paul Specht and Orchestra, vocal trio, "Hittin' the Ceiling."
- Vocal—Charles Lawman and novelty accompaniment, "Oh, Sweetheart, where are you To-night?" (Davis and Coots) (Regal).
- Foxtrot—Rudy Vallee, "Outside" (Flynn) (Regal G20570).
- Foxtrot—Danza Dance Band, "One Summer Night" (Coslow and Spier)
- Foxtrot—Swain's Cafe Royal Band, "It Goes Like This, that Funny Melody" (Caesar-Friend) (Regal G20570).
- 10.30: Waltz—Selvin's Orchestra, "Ramona" (Wayne-Gilbert) (01137).
- Foxtrot—Bernie's Orchestra, "I Want to Meander in the Meadow."
- Foxtrot—Midnight Revellers, "The Moonlight March" (Regal G20522).
- Foxtrot—Bernie's Orchestra, "Where the Bab-bab-babbling Brook."
- Foxtrot—Paul Specht and Orchestra, vocal refrain, "Sing a Little Love Song" (Gottler, Mitchell, and Conrad) (01629).
- 10.45: Vocal—Charles Lawman and novelty accompaniment, "When We Get Together in the Moonlight" (Rose, Ryan, and Violinsky) (Regal).
- Waltz—The Cavaliers, "Sleepy Valley" (Hanley-Sterling) (01688).
- Foxtrot—Lombardo's Royal Canadians, "You Made Me Love You."
- Foxtrot—Rhythmic Troubadours and vocal refrain, "When the Real Thing Comes Your Way" (Spier and Coslow) (Regal G20600).
- Foxtrot—Lombardo's Royal Canadians, "You Belong to Me, I Belong to You" (Lombardo-Newman) (01690).
- 11.0 : God Save the King.

Waltz—Carter's Orchestra, "Old Virginia Moon" (Crawford-Kahn).
 Foxtrot—Abe Lyman and His California Orchestra, "Lucky Me, Loveable You" (Yellen-Ager) (4609).
 Foxtrot—Fred Hamm and His Orchestra, "We Love Us."
 Foxtrot—Abe Lyman and His California Orchestra, "Love Ain't Nothin' but the Blues" (Goodwin-Aiter) (4609).
 11.0 : God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, JULY 17.

10.30 a.m.: Studio items.
 2.30: Relay from the Radio Exhibition, Town Hall, of items by James Haydock's Orchestra, interspersed with studio items.
 3.15: Home science—"Tired Husbands," talk prepared by Home Science Extension Service, Otago University.
 5.0 : Children's session, conducted by Uncle George.
 6.0 : Dinner music session, "Columbia" hour.
 Orchestra—Albert W. Ketelbey's Concert Orchestra, "Cockney Suite," Nos. 1 to 4 (Ketelbey). 05052/3. 1. A State Procession (Buckingham Palace). 2. The Cockney Lover (Lamberth Walk). 3. At the Palais de Dance (anywhere). 4. Elegy (Thoughts on Passing the Cenotaph).
 6.13: Tacet.
 6.15: Orchestra—Albert W. Ketelbey's Concert Orchestra, "Cockney Suite," No. 5, Bank Holiday ('Appy 'Amstead), (Ketelbey). 05054.
 Band—Regimental Band of H.M. Grenadier Guards, "Radio-Quick March" (Peeking). 01854.
 Orchestra—Jack Payne and the B.B.C. Dance Orchestra, "Say It With Songs Selection," Parts 1 and 2 (De Sylva). 05029.
 6.28: Tacet.
 6.30: Orchestra—Albert W. Ketelbey's Concert Orchestra, "Jungle Drums—Patrol" (Ketelbey). 05054.
 Organ solo—Emil Velazco, "Estrellita." 01795.
 Band—Debroy Somers Band, "Hungarian Medley," Parts 1 and 2 (arrgd. Somers). 01862.
 6.43: Tacet.
 6.45: Orchestra—Albert W. Ketelbey's Concert Orchestra, "By the Blue Hawaiian Waters," Parts 1 and 2 (Ketelbey). 05085.
 Organ solo—Emil Velazco, "La Golondrina." 01795.
 Band—Regimental Band of H.M. Grenadier Guards, "Fighting Strength" (Jordan). 01854.
 6.58: Tacet.
 7.0 : News session, market reports and sports results.
 7.40: Talk—Mr. L. D. Webster, the Eighth of a series of Musical Talks, "Some Further Varieties of Music."
 8.0 : Chimes.

From the Radio Exhibition.

Songs and choruses—Pois and hakas by the Wanganui Maori Radio Party.

8.20: From the studio.
 Overture—2YA Salon Orchestra, "Crown of Diamonds" (Auber).
 8.28: Soprano—Mrs. F. H. Taylor, "Irish Lullaby" (Needham).
 8.32: Baritone—Mr. H. Du Faur, "Sons of the Sea" (Coleridge-Taylor).
 8.36: Novelty—2YA Salon Orchestra, "Grasshopper's Dance" (Bucalossi).
 8.40: From the Radio Exhibition.
 Further entertainment by the Wanganui Maori Radio Party.
 9.0 : From the studio.
 Weather report and announcements.
 9.2 : Band, chorus and whistling—National Concert Band, "A Hunting Scene" (Bucalossi). Zono. EE181.
 9.5 : Soprano—Mrs. F. H. Taylor, (a) "My Laddie" (Thayer); (b) "Vale" (Kennedy Russell).
 9.11: Humour—Mr. Ken Aitken, "Toasts—Ancient and Modern" (original).
 9.16: Selection—2YA Salon Orchestra, "Country Gardens" (Grainger).
 9.20: From the Radio Exhibition.
 Further 20 minutes by the Wanganui Maori Radio Party.
 9.40: From the studio.
 Selection—2YA Salon Orchestra, "Ballet Egyptian" (Luigini).
 9.48: Baritone—Mr. H. Du Faur, (a) "She Rested by the Broken Brook" (Coleridge-Taylor); (b) "The Raiders" (Derry).
 9.54: Band—National Military Band, "March Tannhauser" (Wagner). Zono.
 9.58: Humour—Mr. Ken Aitken, "A Trip to Morrow" (Anon.).
 10.5 : Band of H.M. Coldstream Guards, "Selection of Leslie Stuart Songs" (arr. Hume). H.M.V. C1628.
 10.13: Vocal—Light Opera Company, "Vocal Gems From 'Lilac Domino'" (Cuvillier). Vocal gems from "The Chocolate Soldier" (Strauss).
 10.21: Selection—2YA Salon Orchestra, "Coppelia" (arr. Tavan).
 10.30: Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, JULY 17.

3.0 : Afternoon session—Gramophone recital.
 3.15: Home Science—"Tired Husbands." Talk arranged by the Home Science Extension Department, Otago University.
 4.25: Sports results.
 4.30: Close down.
 5.0 : Children's hour—"Ladybird" and "Uncle Frank."
 6.0 : Dinner session—"Columbia" Hour.
 Orchestra—Squire's Celeste Octet, "Peter Pan Selection" (Crocok).
 'Cello—Gaspar Cassado, "Chanson Villageois" (Popper) (03595).

Orchestral—Columbia Symphony Orchestra, "Scarf Dance."
 6.13: Tacet.
 6.15: Orchestra—Debroy Somers' Band, "The Desert Song" (Romberg).
 'Cello—Gaspar Cassado, "Menuett" (Haydn—arrgd. Burmester-Moffat).
 Male choir—Sheffield Orpheus Male Choir, "Hymn Before Action."
 6.28: Tacet.
 6.30: Orchestra—Halle Orchestra, "Rosamunde Ballet Music" (Schubert).
 (1) Andantino, (2) Allegro Moderato, (3) Andante un Poco Assai.
 Instrumental—Paul Whiteman and His Orchestra, "Christmas Melodies" (Noel and Adeste Fideles) (07511).
 6.43: Tacet.
 6.45: Orchestra—Columbia Symphony Orchestra, "The Flatterer."
 Zurich Tonhalle Orchestra, "Idomeneo" (Mozart) (02978).
 Paul Whiteman and His Orchestra, "Silent Night, Holy Night."
 Male Choir—Sheffield Orpheus Male Choir, "The Long Day Closes."
 6.58: Tacet.
 7.0 : News session.
 7.30: Talk—Mr. W. H. Morrison (Conservator of Forests), "The Increasing Importance of the Science of Forestry." Arranged by 3YA Primary Productions Committee.
 8.0 : Chimes.
 Overture—Berlin State Opera Orchestra, "Invitation to the Waltz."
 8.12: Contralto—Miss Alice Vinsen, (a) "Largo" (Handel); (b) "Creations Hymn" (Beethoven).
 8.18: 'Cello—W. H. Squire, "Sarabande" (Sulzer) (Col. 04283).
 8.22: Tenor—Mr. Ernest Rogers, "Ah! Moon of My Delight" (Lehmann).
 8.28: Instrumental—Studio Instrumental Octet (Conductor, Mr. Harold Beck), (a) "Minuet from G Minor Symphony" (Mozart); (b) "Valse Triste" (Sibelius).
 8.36: Duet, contralto and bass—Operatic Duo, "Greeting" (Mendelssohn).
 8.40: Organ and trumpet—Paul Mania, "Vision de Jeanne d'Arc" (Gounod).
 8.44: Soprano—Madame Gower Burns, "Song of India" (Rimsky-Korsakov).
 8.49: Instrumental quintet—Miss I. Norris, Mrs. A. G. Bills, Miss M. Chapman, Messrs. J. W. Barsby and H. Glaysber, "Minuet in G."
 8.54: Bass—Mr. Jas. Filer, "From Rushy Beds of Silver Nile" (Balfe).
 8.58: Jewish choir—Obercantor Herman Flerschmann and Synagogue Choir and Orchestra, "Jigdal" (Lewandowsky) (Parlophone A5013).
 9.0 : Weather report and station notices.
 9.2 : Overture—Studio Instrumental Octet, "Four Ages of Man" (Lachner).
 9.11: Tenor—Mr. Ernest Rogers, "Onaway, Awake, Beloved."
 9.15: 'Cello—W. H. Squire, "Ave Verum" (Mozart—arrgd. Squire).
 9.19: Soprano—Madame Gower Burns, (a) "Swan Song" (b) "Morning."
 9.24: Bass—Mr. Jas. Filer, "Ah! Weep No More" (Tschaiakowsky).
 9.27: Trio—Dr. Ormandy's Trio, "From the Land of the Sky-Blue Water."
 9.30: Duet, soprano and bass—Grand Opera Duo, "Night Hymn at Sea."
 9.34: Instrumental—Studio Instrumental Octet, Suit in D: (a) "Govotte," (b) "Bouree," (c) "Air," (d) "Gigue" (Bach).
 9.47: Contralto—Miss Alice Vinsen, "The Enchantress" (Beethoven).
 9.51: Vocal quartet—Grand Opera Quartet, "Snow" (Elgar).
 9.55: Instrumental—Studio Instrumental Octet, "Entr'acte and Valse."
 God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, JULY 17.

SILENT DAY.

Friday, July 18

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, JULY 18.

3.0 : Afternoon Session. Selected Studio Items, including Literary Selection by the Announcer.
 4.30: Close down.
 5.0 : Children's Session, conducted by Nod and Aunt Jean.
 6.0 : Dinner Session, "Columbia" Hour.
 Overture—Basle Symphony Orchestra, "Der Freischutz" (Weber).
 6.12: Tacet.
 6.15: Instrumental—J. H. Squire's Celeste Octet, (a) "The Grasshoppers' Dance" (Bucalossi); (b) "The Butterfly" (Bendix) (3608).
 Musical Art Quartet, "To a Wild Rose" (MacDowell) (01506).
 Violin—Yvonne Curti, "Madrigale" (Simoneffi) (01529).
 6.27: Tacet.
 6.30: Instrumental—J. H. Squire's Celeste Octet, (a) "I Love the Moon" (Rubens); (b) "Two Eyes of Grey" (McGeoch) (01213).
 Instrumental—J. H. Squire's Celeste Octet, (a) "Amoureuse Valse" (Berger); (b) "Valse Bleue" (Margis) (3643).
 6.42: Tacet.
 6.45: Instrumental—J. H. Squire's Celeste Octet, "Valse Caprice" (Rubenstein) (02581).
 'Cello—W. H. Squire, "Sarabande" (Seilzer) (04283).
 Instrumental—J. H. Squire's Celeste Octet, "Perpetuum Mobile" (Weber, arrgd. Crooke) (02581).
 6.57: Tacet.
 7.0 : News and Market Reports.
 7.40: Talk—Mr. W. E. G. Wheeler, "Esperanto."
 8.0 : Chimes.
 Instrumental Trio—Studio Trio—(a) "Song With Words—B Minor" (Mendelssohn); (b) "Pas Des Amphores" (Chaminade).

- 8.9 : Soprano—Mrs. M. Cantwell, (a) "Vain Is My Art" (arrgd. Moffatt); (b) "Give Me Thy Heart" (Giovanni).
 8.16 : Instrumental Trio—Studio Trio, Three Minatures (Bridge), 1. Minuet; 2. Gavotte; 3. Allegretto.
 8.24 : Elocution—Mr. J. M. Clark, "Herve Riel" (Browning).
 8.31 : Clarinet solo—Mr. S. C. Lewis, (a) "Selection from 'Maritana'" (Wallace); (b) "Selected from 'Don Giovanni'" (Mozart).
 8.38 : Baritone—Mr. H. Barry Coney; (a) "Sweet Melodies" (Brahms). (b) "Praise Ye The Lord" (Bantock).
 8.45 : Instrumental Trio—Studio Trio, "Autumn Song" (Tschalkowsky).
 8.50 : Soprano—Mrs. M. Cantwell, "Black Roses" (Sibelius).
 8.54 : Piano—Mr. Cyril Towsey, "Prelude in C Sharp Minor" (Rachmaninoff).
 9.1 : Evening Weather Forecast and Announcements.
 9.3 : Clarinet solo—Mr. S. C. Lewis, Fantasia—"Scotch Melodies" (McDonald).
 9.9 : Elocution—Mr. J. M. Clark, "Othello's Apology" (Shakespeare).
 9.13 : Instrumental Trio—Studio Trio, "Minuet from 'Military Symphony'."
 9.18 : Baritone—Mr. H. Barry Coney, "No, My Courage" (Wallace).
 9.22 : Instrumental Trio—Studio Trio, "Slavonic Dance No. 3" (Dvorak).
 9.27 : Lecture-Recital—Mr. Karl Atkinson, Gramophone Lecture-Recital—All sorts and conditions of Choirs.
 9.57 : God Save the King.

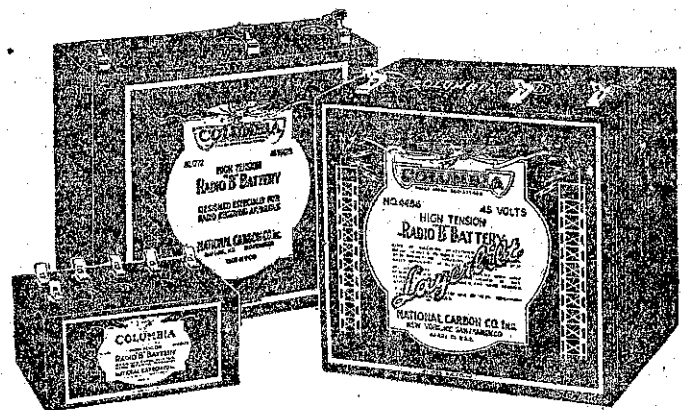
2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, JULY 18.

- 10.30 a.m.: Selected studio items.
 2.30 p.m.: Relay from the Radio Exhibition, Town Hall, of items by James Haydock's Orchestra, interspersed with studio items.
 4.55 : Close down.
 5.0 : Children's session, conducted by Big Brother Jack.
 6.0 : Dinner music—"H.M.V." hour.
 Orchestral—Mareka Weber and Orchestra, "Beggar Student" (Millocker), C1528.
 Orchestral—Philadelphia Symphony Orchestra, "Carmen," "Entr'acte, Act 4" (Bizet), B531.
 Piano—Wilhelm Backhaus, "Bohemian Dance" (Smetana), DB1130.
 6.13 : Tacet.
 6.15 : Band—Createore's Band, "Semiramide" (Rossini), C1420.
 Orchestral—Philadelphia Symphony Orchestra, "Soldiers Changing the Guard" (Bizet), D1618.
 Orchestral—Marek Weber and Orchestra, "Rustle of Spring" (Sinding), C1630.
 6.28 : Tacet.
 6.30 : Orchestral—New Symphony Orchestra, "Neil Gwynn Dances, Nos. 1 and 2" (Edward German), B2987.
 Orchestral—Philadelphia Symphony Orchestra, "Carmen," "March of the Smugglers" (Bizet), D1618.
 Piano—Mark Hambourg, "Liebestraume" (Liszt), H.M.V. C1307.
 6.44 : Tacet.
 6.45 : Orchestral—Marek Weber and Orchestra, "My Darling Waltz" (Waldteufel), C1630.
 Band—National Military Band, "Flying Dutchman Overture" (Wagner), A364.
 Orchestral—Philadelphia Symphony Orchestra, "Carmen," "Entr'acte, Act 1" (Bizet), B531.
 6.58 : Tacet.
 7.0 : News session, market reports and sports results.
 7.40 : Lecturette—Mr. J. W. Fergie, Head Office, N.Z. Railways, "The Romance of the Main Trunk Railways."
 8.0 : Chimes.
 FROM THE RADIO EXHIBITION.
 Songs and choruses—Pois, hakas by the Wanganni Maori Radio Party.
 8.20 : From the studio.
 Selection—Salon Orchestra, "My Son, John" (Strauss).
 8.28 : Soprano—Miss Ella Fair, "Little Princess Look Up" (Amadis), (Faraday).
 8.32 : Bass—Mr. R. J. G. Madigan, "When a Maiden Takes Your Fancy" (Mozart), (Il Seraglio).
 8.36 : Selection—Salon Orchestra, "Serenata" (Toselli), (Delvieux).
 8.40 : From the Radio Exhibition, Town Hall.
 Further items by the Wanganni Maori Radio Party.
 9.0 : From the studio.
 Weather report and announcements.
 9.2 : Waltz—Salon Orchestra, "Dornroschen Waltz" (Tschalkowsky).
 9.6 : Duet—James Liddy and Elsie Gergley, with chorus and orchestra, "Deep in My Heart, Dear" ("Student Prince"), (Romberg), Col.
 9.10 : Humour—Miss Zena Jupp, "Originality" (Anon.).
 9.15 : Selection—Salon Orchestra, "Bird Songs at Eventide" (Contes).
 9.20 : From the Radio Exhibition:
 The Wanganni Maori Radio Party will again entertain.
 9.40 : From the studio:
 Selection—Salon Orchestra, "Four Indian Love Lyrics" (Woodforde-Finden).
 9.48 : Soprano—Miss Ella Fair, "What If I Were Young" (Smyth), ("Boatswain's Mate").
 9.52 : Band of H.M. Grenadier Guards, "La Benediction des Poignards" (Les Huguenots).
 9.56 : Humour—Miss Zena Jupp, "The New Food" (Leacock).
 10.1 : Selection—Salon Orchestra, "The Little Dutch Girl" (Kalman).
 10.9 : Bass—Mr. R. J. Madigan, "The Broken Spirit" (Verdi).
 10.13 : Vocal—Columbia Light Opera Company, "Vocal Gems from 'Lilac Time'" (Schubert-Clutsam), Col. 02823.

- 10.21 : Selection—Salon Orchestra, "Master Melodies from Light Operas," Part 1 (arr. Roberts).
 10.30 : Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, JULY 18.

- 3.0 : Afternoon session.
 4.25 : Sports results.
 4.30 : Close down.
 5.0 : Children's hour, "Chuckle."
 6.0 : Dinner session, "H.M.V." hour.
 Overture—National Symphony Orchestra, "Light Cavalry" (Suppe).
 Waltz—Chicago Symphony Orchestra, "Roses of the South" (Strauss).
 Cello—Pablo Casals, "Moment Musical" (Schubert) (DA776).
 6.13 : Tacet.
 6.15 : Hawaiian—Hilo Hawaiian Orchestra, (a) "Kawaihau Waltz" (Kealakai); (b) "My Hula Love" (B2799).
 Medley waltz—The Troubadours, "Popular Songs of Yesterday."
 Cello—Pablo Casals, "Le Cygne" (Saint-Saens) (DA776).
 6.27 : Tacet.
 6.30 : Waltzes—International Concert Orchestra, (a) "The Merry Widow" (Lehar); (b) "Luxembourg Waltz" (Lehar) (Zono. BF9).
 Violin and guitar—Giulietta Morino, (a) "Harlequin's Serenade" (Drigo); (b) "Could I?" (Poggis) (Zono. EE134).
 6.44 : Tacet.
 6.45 : Instrumental—New Light Symphony Orchestra, (a) "Dancing Doll" (Poldini); (b) "At Dawning" (Cadman) (B2629).



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- 6.58: Tacet.
 7.0 : News session.
 7.30: Sports results.
 8.0 : Chimes.
 March—Sousa's Band, "The Gridiron Club March" (Sousa).
 8.5 : Baritone—Mr. K. M. Fountain, (a) "Thinking of Thee" (Caro Roma); (b) "Somewhere a Voice is Calling" (Tate).
 8.11: Soprano—Mrs. M. Sierokowski, (a) "A Little Pink Rose" (Jacobs Bond); (b) "In the Garden of To-morrow" (Deppen).
 8.17: Piano syncopations—Miss Helen Macdonald, (a) "Chloe" (own arrgt.); (b) "Kiss Me Again" (own arrgt.).
 8.22: Tenor—Mr. W. J. Trewern, "Yes! Let Me Like a Soldier Fall" ("Maritana") (Wallace).
 8.26: Humorous song—Mr. Reg. Lamb, "A Matrimonial Chase" (Weston).
 8.30: Cornet—Mr. N. G. Goffin, "The Farewell" (Hartmann).
 8.35: Mezzo-contralto—Miss Kathleen Johns, "Irish Folk Song" (Foote).
 8.39: Recitation—Miss Lily Kinsella, "The West Wind" (Masefield).
 8.44: Baritone—Mr. K. M. Fountain, "My Desert Flower" ("Chu Chin Chow") (Norton).
 8.48: Piano syncopations—Miss Helen Macdonald, "The Blue Room" (own arrgt.).
 8.53: Soprano—Mrs. M. Sierokowski, "Idle Words" (Stephen Adams).
 8.57: Humorous songs—Mr. Reg. Lamb, (a) "The Commercial Traveller" (Long); (b) "Is Izzy Azzy Wozzy" (Le Clerg).
 9.3 : Weather report and station notices.
 9.5 : Tenor—Mr. W. J. Trewern, (a) "The Last Muster" (Pontet); (b) "Mona" (Adams).
 9.12: Cornet—Mr. N. G. Goffin, "Edelweiss" (Hock).
 9.18: Mezzo-contralto—Miss Kathleen Johns, (a) "For You" (Montague); (b) "Here's to Love" (Rubens).
 9.24: Recitation—Miss Lily Kinsella, (a) "Tea in the Garden" (MS.); (b) "In the Cool of the Evening" (Alfred Noyes).
 Dance Music until 11 p.m. "Edison Bell."
 Foxtrot with vocal trio—Alfredo and His Band, "Sweetheart of All My Dreams" (Fitch) (976).
 Foxtrot with vocal chorus—The Blue Jays, "Dance of the Paper Dolls." Foxtrot—Alfredo and His Band, "Deen Night" (Henderson) (976).
 Foxtrot—The Blue Jays, "The Toymaker's Dream" (Golden) (1224).
 9.42: Waltz with vocal chorus—Alfredo and His Band, "My Song of the Nile" (de Sylva) (1262).
 Waltz with vocal chorus—Alfredo and His Band, "I'll Always be in Love with You" (Ruby) (1247).
 Foxtrot with vocal chorus—Alfredo and His Band, "Turn on the Heat" (de Sylva) (1229).
 Foxtrot with vocal chorus—Alfredo and His Band, "This is Heaven." Foxtrot with vocal chorus—Alfredo and His Band, "If I Had a Talking Picture of You" (de Sylva) (1299).
 Vocal—G. H. Elliott, "Muddlin' Thro'" (Howard Flynn) (1291).
 10.0 : Foxtrot with vocal duet—Alfredo and His Band, "Little Pal." Foxtrot—Alfredo and His Band, "Laughing Marionette" (Collins).
 Foxtrot with vocal chorus—Alfredo and His Band, "Why Can't You?" Waltz with vocal chorus—Alfredo and His Band, "Sometimes." Waltz with vocal trio—Alfredo and His Band, "Let Me Dream in Your Arms Again" (Nicholls) (1250).
 10.15: Vocal—Stanley Kirby, "My Mother's Eyes" (Baer) (1235).
 Foxtrot with vocal chorus—Radio Rhythm Boys, "Painting the Clouds with Sunshine" (Burke) (1297).
 Foxtrot with vocal chorus—Alfredo and His Band, "Mean to Me." Foxtrot with vocal chorus—Radio Rhythm Boys, "Tiptoe Thro' the Tulips With Me" (Burke) (1297).
 Foxtrot with vocal chorus—The Plaza Band, "A Precious Little Thing Called Love" (Davis) (1236).
 10.30: Waltz with vocal chorus—Alfredo and His Band, "Lady Divine." Foxtrot with vocal chorus—Harry Hudson's Melody Men, "Why Do I Love You?" (Kern) (852).
 Two-step—Bal Musette Orchestra, "Mayorqua" (Brunel) (954).
 Vocal—G. H. Elliott, "Yodeling Coon" (Howard Flynn) (1291).
 10.42: Foxtrot with vocal chorus—Alfredo and His Band, "I've Never Seen a Smile Like Yours" (Johnson) (1262).
 Foxtrot with vocal chorus—Alfredo and His Band, "I Think of What You Used to Think of Me" (Turk) (912).
 Foxtrot with vocal chorus—Harry Hudson's Melody Men, "Ol' Man River" (Kern) (852).
 Foxtrot with vocal chorus—Alfredo and His Band, "I Don't Know Why I Do It, But I Do" (912).
 Foxtrot with vocal chorus—Alfredo and His Band, "Do Something." Dutch dance—Bal Musette Orchestra, "Rafe" (Berniaux) (945).
 11.0 : God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, JULY 18.

- 3.0 : Chimes. Selected Gramophone Items.
 3.15: Talk—Miss Buccleugh, "Fashions."
 4.25: Sporting Results.
 4.30: Close down.
 5.0 : Chimes.
 Children's Hour, conducted by Aunt Sheila.
 6.0 : Dinner Music, "Columbia" Hour.
 Orchestral—Milan Symphony Orchestra, "Mignon" Overture Parts 1 and 2 (Thomas) (05058).

Band—H. G. Amers and the Eastbourne Municipal Band, "The Little Clock on the Mantel" (Wheeler) (01768).

- Orchestral—Jean Lensen and His Orchestra, "Millions D'Arlequin."
 6.14: Tacet.
 6.15: Orchestral—Symphony Orchestra, "Hungarian March" (Berlioz). Violin solo—Toscha Seidel, "Hebrew Melody."
 Orchestral—Jean Lensen and His Orchestra, "Si Mes Vers Ayalent Des Ailes" (Hahn) (01770).
 Orchestral—Bernardo Gallico and His Orchestra, "The Dance of the Dwarfs" (Noack) (05037).
 6.29: Tacet.
 6.30: Orchestral—H. G. Amers and the Eastbourne Municipal Orchestra, "Silhouettes" (Arensky) (05032); (a) "Introduction"; (b) "La Coquette."
 Orchestral—Bernardo Gallico and His Orchestra, "The Clock is Playing" (Blaaw) (05037).
 Band—H. G. Amers and the Eastbourne Municipal Band, "Dancing Doll" (Poupee Valsante) (Poldini) (01768).
 Orchestral—H. G. Amers and the Eastbourne Municipal Orchestra, "Silhouettes—The Dreamer" (Arensky) (05032).
 6.44: Tacet.
 6.45: Orchestral—Zurich Tonhalle Orchestra, "Il Seraglio Overture—Parts 1 and 2" (Mozart, arrgd. Busoni) (05025).
 Violin solo—Toscha Seidel, "Ave Maria" (Schubert) (05045).
 Orchestral—Symphony Orchestra, "Coppelia Ballet—Entr'acte and Valse" (Delibes) (05055).
 6.59: Tacet.
 7.0 : News Session.
 8.0 : Chimes.
 Orchestral—Berlin State Opera Orchestra, "Capriccio Italien Op. 45" (Tschalkowsky) (H.M.V. D1593).
 8.9 : Contralto—Miss Irene Hornblow, "Love's Old Sweet Song" (Molloy).
 8.12: Instrumental—4YA Trio, "2nd Trio" (Hummel).
 8.24: Recital—Miss Tui Northey, Selection from "Three Men in a Boat."
 8.30: Cello—Gaspar Cassado, "Menuett" (Haydn, arrgd. Burmester-Moffat).
 8.34: Bass—Mr. Jack Clark, (a) "Toreador's Song" (Bizet); (b) "The Lute Player" (Allitsen).
 8.40: Instrumental—4YA Trio, "1st Movement from 5th Trio" (Fesca).
 8.47: Soprano—Miss L. de Clifford, "The Birds Go North Again."
 8.50: Piano—Mrs. C. Drake, "2nd and 3rd Movements of Sonata Tragica."
 8.56: Tenor—Mr. James Simpson, "Be Kind to Auld Grannie" (Gleahill).
 9.0 : Weather Report.
 9.2 : Orchestral—Philadelphia Symphony Orchestra, "Chorale Prelude."
 9.6 : Contralto—Miss Irene Hornblow, "Three Negro Spirituals."
 9.12: Piano and Violin—Mr. Max Scherek and Mr. J. Wallace, "Sonata in F" (Spring Sonata) (Beethoven).
 8.28: Recital—Miss Tui Northey, further selection from "Three Men in a Boat" (Jerome).
 9.33: Bass—Mr. Jack Clark, "The Pipes of Pan" (Elgar).
 9.36: Harp—Mildred Dilling, "Arabesque No. 1" (Debussy).
 9.40: Soprano—Miss L. de Clifford, (a) "The Captive Lark" (Ronald); (b) "Whatever Is, Is Best" (Lohr).
 9.46: Instrumental—4YA Trio, "Allegretto from 6th Trio" (Beethoven).
 9.51: Tenor—Mr. James Simpson, (a) "I Hear a Thrush at Eve" (Cadman); (b) "On Wings of Song" (Mendelssohn).
 9.57: Orchestral—Boston Symphony Orchestra, "Frühlingsstimmen."
 10.1 : God Save the King.

Saturday, July 19

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, JULY 19.

- 2.30: Relay of Rugby Football Match from Eden Park. Contestants: British Team versus Auckland Team. Announcer, G. Hutter.
 4.30: Close down.
 5.0 : Children's session, conducted by "Cinderella."
 6.0 : Dinner session—"Columbia" Hour.
 Instrumental—Ketelbey's Concert Orchestra, "In a Persian Market." Violin—Efrem Zimbalist, "Liebeslied Old Vienna Waltz" (Kreisler).
 6.12: Tacet.
 6.15: Morceau—Plaza Theatre Orchestra, "The Busy Bee" (Bendix).
 Dance—Plaza Theatre Orchestra, "My Lady Dainty" (Hesse) (01438).
 Octet—J. H. Squire's Celeste Octet, "La Serenata" (Braga) (9116).
 Kinema organ—G. T. Pattman, "Firefly" (Nicholls) (01348).
 6.27: Tacet.
 6.30: Orchestral—Paul Whiteman and His Orchestra, "Song of India." Waltz—New Concert Orchestra, "Hydropaten" (Gungl) (02672).
 Violin—Efrem Zimbalist, "Zapateado" (Sarasate) (04221).
 6.42: Tacet.
 6.45: Waltz—New Concert Orchestra, "Jolly Fellows" (Bruder) (02672).
 Octet—J. H. Squire's Celeste Octet, "Serenade" (Titi) (9116).
 Orchestral—Paul Whiteman and His Orchestra, "Liebestraum."
 6.56: Tacet.
 7.0 : News and market reports.
 8.0 : Chimes.
 Relay of Municipal Choir performance, under the conductorship of Mr. Maughan Barnett, from Auckland Town Hall.
 10.0 : Programme of dance music from studio—"H.M.V." Hour.
 Foxtrot—Waring's Pennsylvanians, "Won't You Tell Me How?"
 Foxtrot—Rio Grande Band, "Dites Moi Ma Mere" (Yvain) (B5701).

- 10.00 : Foxtrot—Rudy Vallee and His Connecticut Yankees, "The Album of My Dreams" (Davis-Arluck) (EA629).
 Foxtrot—Rio Grande Band, "Valentine" (Christine) (B5701).
 10.12 : Vocal—Maurice Elwin, "I've Never Seen a Smile Like Yours."
 Foxtrot—Irrving Aaronson and His Commanders, "Outside." (Flynn).
 Foxtrot—George Olsen and His Music, "I'm in Seventh Heaven."
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "Me Queres."
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "You Want Livin'."
 Waltz—Nat Shilkret and His Orchestra, "Let Me Have My Dreams."
 10.30 : Humorous duet—Dora Manghan and Walter Fehl, "A Woman Who Knows" (Ruskin) (B3011).
 Foxtrot—George Olsen and His Music, "Little Pal" (de Sylva).
 Foxtrot—Jack Hylton and His Orchestra, "Everybody Loves You."
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "Lonely Troubadour" (Klenner) (EA649).
 Foxtrot—Nat Shilkret and His Orchestra, "Am I Blue?"
 10.45 : Vocal—Paul Oliver, "Evangeline" (Rose-Jolson) (Zono. EE172).
 Foxtrot—Jack Hylton and His Orchestra, "Don't Hold Everything."
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "Perhaps."
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "On the Alamo."
 Waltz—Jack Hylton and His Orchestra, "Let Me Dream in Your Arms Again" (Nicholls) (B5696).
 11.0 : God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, JULY 19.

- 10.30 a.m.: Studio items.
 3.0 : Relay description of Football Match from Athletic Park. Announcer, Mr. Chas. Lamberg.
 5.0 : Children's session, conducted by Uncle Toby.
 6.0 : Dinner music session, "Brunswick" hour.
 Orchestra—Brunswick Concert Orchestra, "Dance of the Hours" (Ponchielli), 4515.
 Orchestra—A. and P. Gypsies, "Herbertiana" (Stone), 4287.
 Violin—Fredric Fradkin, "Le Cygne" (Saint-Saens), 4528.
 Orchestra—Brunswick Concert Orchestra, "Badihade" (Herbert).
 Orchestra—A. and P. Gypsies, "The Far-Away Bells" (Furber-Gordon), 4442.
 6.14 : Tacet.
 6.15 : Orchestra—Brunswick Concert Orchestra, "Wine, Women and Song" (Strauss), 20088.
 Orchestra—Anglo-Persians, "Cossack Love Song" (Katzman), 4483.
 Violin—Fredric Fradkin, "Nola" (Arndt), 4318.
 Orchestra—Ray Miller and His Orchestra, "Iowa Corn Song" (Lockard), 4579.
 6.28 : Tacet.
 6.30 : Orchestra—A. and P. Gypsies, (a) "White Acacia"; (b) "Petite Causerie" (Stone), 4287.
 Orchestra—Brunswick Concert Orchestra, "Thousand and One Nights" (Strauss), 20088.
 Orchestra—A. and P. Gypsies, "Simple Confession" (Thome), 4442.
 Waltz—Gil Dech and His Syncopators, "I'll Always Be in Love With You" (Ruby-Sept), Col. 01520.
 6.43 : Tacet.
 6.45 : Orchestra—Brunswick Concert Orchestra, "La Danseuse" (Von Blon).
 Orchestra—Brunswick Concert Orchestra, "Hungarian Lustspiel" (Keler), 4515.
 Violin—Fredric Fradkin, "A Kiss in the Dark" (De Sylva), 4318.
 Orchestra—Anglo-Persians, "Ragamuffin" (Greer), 4483.
 6.58 : Tacet.
 7.0 : News session, market reports and sports results.
 7.40 : Lecturette—Mr. S. Perkin, General Secretary, N.Z. Association of Amateur Radio Transmitters, "Some Aspects of Amateur Radio Transmitting."
 8.0 : Chimes.
 From the Radio Exhibition.
 Twenty minutes of entertainment by the Wanganui Maori Radio Party.
 8.20 : From the studio.
 Selection—2YA Salon Orchestra, "Chu Chin Chow" (Norton).
 8.27 : Quartet—Melodie Four, "Till the Sands of the Desert Grow Cold" (Ball).
 8.31 : Tenor—Mr. Sam Duncan, "An Evening Song" (Blumenthal).
 8.35 : Xylophone Duo—Reno and Arta, Overture "Morning, Noon and Night" (Suppe).
 8.40 : From the Radio Exhibition.
 Items by the Wanganui Maori Radio Party.
 9.0 : From the studio.
 Weather report and announcements.
 9.2 : Selection—2YA Salon Orchestra, "Squirrel Dance" (Elliott Smith).
 9.6 : Baritone—Mr. R. S. Allwright, "Joe and Me" (Gutsam).
 9.10 : Humour—Mr. Will Bishop will entertain at the piano.
 9.15 : Xylophone Duo—Reno and Arta, "Amarinda Intermezzo" (Smith).
 9.20 : From the Radio Exhibition.
 Further items by the Wanganui Maori Radio Party.
 9.40 : From the studio.
 Waltz—2YA Salon Orchestra, "Skater's Waltz" (Waldteufel).
 9.45 : Humour—Mr. Will Bishop will entertain at the piano.
 9.55 : Quartet—Melodie Four, "Wonderland of Dreams" (Abbot).
 9.59 : Instrumental—2YA Salon Orchestra, "Dance Novelties."
 Dance programme—"Brunswick" Hour.

- 10.0 : Foxtrot—Jesse Staff and his Palace Hotel Orchestra, "Sophomore Prom" (Klages-Greer), 4549.
 Foxtrot—Earl Burtnett and his Los Angeles Biltmore Hotel Orchestra, "Reach Out for a Rainbow" (Conrad-Mitchell Gottler), 4643.
 Foxtrot—Irrving Mills and his Hotsy Totsy Gang, "My Little Honey and Me" (Hackforth), 4674.
 Foxtrot—Earl Burtnett and his Los Angeles Biltmore Hotel Orchestra, "Parade of the Blues" (Conrad Mitchell Gottler), 4643.
 10.12 : Vocal Jazz—Lester McFarland and Robert Gardner, "Go and Leave Me If You Want To" (Traditional), Bruns. 293.
 Foxtrot—Herbert Gordon and his Hotel Ten Eyck Whispering Orchestra, "I Could do It for You" (Conrad-Mitchell Gottler), 4584.
 Foxtrot—Dan Russo and his Oriole Orchestra, "Wouldn't It Be Wonderful" (Clarke-Akst), 4490.
 Foxtrot—Herbert Gordon and his Hotel Ten Eyck Whispering Orchestra, "Hard To Get" (Meyer Bryan-McLaughlin), 4584.
 10.24 : Waltz—Carter's Orchestra, "Missouri Moon" (Parish Lodge), 4642.
 Waltz—Eddy Shaw's Hawaiians, "Sweetheart of the Tropical Sea" (When-Katzman-Denniker), 4688.
 Foxtrot—Hal Kemp and his Orchestra, "H'lo Baby" (Magidson-Washington-Cleary), 4674.
 Foxtrot—Red Nicholls and his Strike-up-the-Band Orchestra, "Strike Up The Band" (Gershwin-Gershwin), 4695.
 10.36 : Vocal duet—Al and Pete, "When You're in Love" (Little Burke).
 10.36 : Foxtrot—Hal Kemp and his Orchestra, "A Little Kiss Each Morning" (Woods), 4612.
 Foxtrot—Red Nicholls and his Strike-up-the-Band Orchestra, "Soon" (I. Gershwin and G. Gershwin), 4695.
 Waltz—Eddy Shaw's Hawaiians, "Under the South Sea Moon" (Perry Ball), 4688.
 10.48 : Waltz—Carter's Orchestra, "Daddy's Lullaby" (De Voll-Gene Ford).
 Foxtrot—Bob Haring and his Orchestra, "Love Made a Gypsy Out of Me" (Phillips-De Costa-Zimmerman), 4608.
 Foxtrot—Hal Kemp and his Orchestra, "I Love You, Believe Me, I Love You" (Cowan Bartholomae-Boutelle), 4612.
 Foxtrot—Bob Haring's Orchestra, "Georgia Pines" (Tréant-De Rose).
 11.0 : Sporting summary.
 11.10 : Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, JULY 19.

- 3.0 : Afternoon Session Gramophone Recital.
 4.25 : Sports Results.
 4.30 : Close down.
 5.0 : Children's Hour, conducted by Aunt Pat and Birdman.
 6.0 : Dinner Music, "Columbia" Hour.
 March—H.M. Grenadier Guards, "Martial Moments" (arrgd. Winter).
 Waltz—Eddie Thomas' Collegians, "Missouri Waltz" (Logan).
 6.12 : Tacet.
 6.15 : Violin and organ—Marrnello, "Evening in the Desert."
 Hawaiian—South Sea Islanders, "Dreamy Hilo Bay" (Heagney).
 March—Columbia Symphony Orchestra, "March of the Toys."
 Piano solo—Percy Grainger, "Molly on the Shore" (Grainger).
 6.26 : Tacet.
 6.30 : Waltz—Eddie Thomas' Collegians, "Till We Meet Again" (Whiting).
 Waltz—Eddie Thomas' Collegians, "Beautiful Ohio" (Earl) (02651).
 Piccolo duet—Jean and Pierre Gennin, "Rippling Streams" (Gennin).
 6.41 : Tacet.
 6.45 : Violin and organ—Marrnello, "Once" (Sanders) (Regal G20420).
 Xylophone—W. W. Bennett, "Gee Whiz" (Byron) (02575).
 Hawaiian—South Sea Islanders, "Lei Land" (Heagney) (01162).
 Instrumental—Denza Dance Band, "In the Shadows" (Finck).
 6.58 : Tacet.
 7.0 : News Session.
 7.30 : Sports results.
 8.0 : Chimes.
 Overture—Plaza Theatre Orchestra, "Belle of New York Selection."
 8.9 : Baritone—Mr. W. H. Inkster, "Asleep in the Deep" (Petrie).
 8.13 : Organ—Nicholas Robins, "Sing a Little Love Song."
 8.16 : At the piano with banjo, The Rose and Thistle Duo, (a) "Follow Me" (Wright); (b) "Just a Wild, Wild Rose" (Buck).
 8.23 : Instrumental—Studio Instrumental Octet, (Conductor Mr. Harold Beck) valse, "Artists Life" (Strauss).
 8.33 : Tenor—Mr. James Shaw, "Farewell in the Desert" (Adams).
 8.39 : Selection—Studio Instrumental Octet, "Wildflower Selection."
 8.50 : Humorous—Mr. George Titchener, "The Song of the Vulgar Dustman" (Currie). "Baby Bill" (own arrgd.).
 8.58 : Hawaiian—Norman Clark and his South Sea Islanders, "Dreamy Hilo Bay" (Clark) (Columbia 01162).
 9.1 : Weather Report and Station Notices.
 9.3 : Orchestra—Debroy Somers' Band, "The Desert Song" (Romberg).
 9.9 : Baritone—Mr. W. H. Inkster, (a) "A Throne of Roses" (Barry); (b) "Till the Sand of the Desert Grow Cold" (Ball).
 9.15 : Instrumental—Studio Instrumental Octet, (a) "Meditation on a Prelude" (Bach-Gounod); (b) "Edelweis Gavotte" (Tourzle).
 9.25 : At the piano with banjo, The Rose and Thistle Duo, (a) "I'm a Dreamer" (de Sylva); (b) "Until You Get Somebody Else" (Kahn).
 9.32 : Organ—Nicholas Robins, "This is Heaven" (Askt) (Columbia 10760).
 9.35 : Tenor—Mr. James Shaw, (a) "I Know of Two Bright Eyes" (Cluttsam); (b) "Once Again" (Sullivan).
 9.42 : Instrumental—Studio Instrumental Octet, Foxtrots, (a) "You Were Meant For Me" (Browns); (b) "Broadway Melody" (Browns).

- 9.50: Humour—Mr. George Titchener, "I'm So Spiteful When I'm Wild."
 9.55: Duet—Flotsam and Jetsam, "P.C. Lamb" (Flotsam and Jetsam).
 9.58: Instrumental—Studio Instrumental Octet, "Serenade" (Pierne).
 Dance Music until 11 p.m. "Brunswick" Hour.
 Foxtrot—Abe Lyman and His California Orchestra, "Another Night."
 Foxtrot—Meyer Davis' Hotel Astor Orchestra, "If I Had My Way."
 Foxtrot—Abe Lyman and His California Orchestra, "I'm Only Making Believe" (Davis-Coots) (4555).
 Foxtrot—Chic Scoggin and His Pla-Mor Orchestra, "If I Could Write a Song" (Fulcher) (4654).
 Waltz—Meyer Davis' Hotel Astor Orchestra, "There Must be Somebody Waiting For Me" (Donaldson) (4603).
 10.15: Foxtrot—Jesse Crawford and His Orchestra, "The Prep Step."
 Foxtrot—Irving Mills and His Hotsy Totsy Gang, "Manhattan Rag."
 Foxtrot—Jesse Stafford and His Orchestra, "My Sweetest Than Sweet."
 Vocal—Chester Gaylor, "Dance Away the Night" (Thompson-Stamper).
 Foxtrot—Irving Mills and His Hotsy Totsy Gang, "What Kind of a Man Is You" (Carmichael).
 Foxtrot—Tom Gerun and His Orchestra, "One Sweet Kiss."
 Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "The End of the Lonesome Road" (Ruby-Perkins) (4552).
 Waltz—Abe Lyman and His California Orchestra, "If I'm Dreaming."
 Waltz—Abe Lyman and His California Orchestra, "The Shepherd's Serenade" (Grey-Stothart) (4633).
 10.42: Vocal—Chester Gaylor, "Just You, Just Me" (Klages-Greer). (4582).
 Foxtrot—Tom Gerun and His Orchestra, "Some Day Soon."
 Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Scotchie," (White) (4552).
 Foxtrot—Abe Lyman and His California Orchestra, "Sally."
 Foxtrot—Abe Lyman and His Pla-Mor Orchestra, "She Chills Me."
 11.0: God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, JULY 19.

- 1.30: Running description of football matches, Carisbrook.
 4.30: Close down.
 5.0: Chimes.
 Children's hour, conducted by Aunt Anita.
 6.0: Dinner music, "H.M.V." hour.
 Waltz—International Concert Orchestra, "Over the Waves" (Rosas).
 Orchestral—Paul Whiteman and His Concert Orchestra, "High Water."
 Hawaiian—Hilo Hawaiian Orchestra, "My Hula Love" (Kealakai).
 Orchestral—Zonophone Salon Orchestra, "Simple Aveu" (Thome).
 6.13: Tacet.
 6.15: Orchestral—Paul Whiteman and His Orchestra, "Mississippi Suite."
 Organ—Edward O'Henry, "Chant Sans Paroles" (Tchaikowsky).
 Orchestral—Zonophone Salon Orchestra, "Narcissus" (Nevin).
 6.29: Tacet.
 6.30: Waltz—International Concert Orchestra, "Danube Waves" (Ivanovici).
 Hawaiian—Hilo Hawaiian Orchestra, "Kawaihan Waltz" (Kealakai).
 Orchestral—Paul Whiteman and His Concert Orchestra, "Caprice Futuristic" (Malneck) (C1607).
 Organ—Edward O'Henry, "Ca C'est Madrid" (O'Henry) (B3094).
 6.44: Tacet.
 6.45: Selection—Hylton's Orchestra, "Good Old Songs Selection" (C1592).
 Orchestral—International Concert Orchestra, "Barcarolle" ("Tales of Hoffman") (Offenbach) (B2377).
 Orchestral—New Light Symphony Orchestra, "Cavalleria Rusticana" (Intermezzo) (Mascagni) (B2377).
 6.58: Tacet.
 7.0: News session.
 8.0: Relay of vaudeville programme from 3YA, Christchurch.
 10.0: Dance session, "H.M.V." hour.
 Foxtrot—Rhythmic Eight, "Don't be Like That" (Gottler).
 Foxtrot—Jack Hylton's Orchestra, "Sweetheart of all My Dreams."
 Foxtrot—Arcadians Dance Orchestra, "Pokee-Okee-Oh" (Butler).
 Foxtrot—Jack Hylton's Orchestra, "I Lift up my Finger and say Tweet Tweet" (Sarony) (EA540).
 10.12: Comedian—Eddie Cantor, "If I Give up the Saxophone."
 Foxtrot—George Olsen's Music, "I'm Bringing a Red, Red Rose."
 Foxtrot—Nat Shilkret's Orchestra, "One for All, All for One" (Trent).
 Foxtrot—Heidt's Orchestra, "I'm Ka-Razy for You" (Jolson).
 Waltz—Arcadians Dance Orchestra, "Anita" (Pollack) (Zono. EE154).
 Waltz—Arcadians Dance Orchestra, "That Old Time Organ Melody."
 10.30: Contralto—Lupe Velez, "Mi Amado" (Warren, Lewis, Young).
 Foxtrot—George Olsen's Music, "Come West, Little Girl, Come West."
 Foxtrot—Nat Shilkret's Orchestra, "I'm Thirsty for Kisses, Hungry for Love" (Davis) (EA528).
 Foxtrot—Nat Shilkret's Orchestra, "Some Sweet Day" (Shilkret).
 Foxtrot—Waring's Pennsylvanians, "My Mother's Eyes" (Gilbert).
 10.45: Comedian—Eddie Cantor, "Hello Sunshine Hello" (Murray-Tobias).
 Foxtrot—Kassels in the Air, "He, She and Me" (Newman).
 Foxtrot—Park Central Orchestra, "Sally of My Dreams" (Kernell).
 Waltz—Connecticut Yankees, "Coquette" (Berlin) (EA532).
 Waltz—Shilkret's Orchestra, "Lady Divine" (Shilkret) (EA531).
 11.0: God Save the King.

- 4.30: Close down.
 6.0: Children's Song Service by Beresford Street Sunday School, conducted by Uncle Bert.
 6.55: Relay of Divine Service from Pitt Street Methodist Church. Preacher, Rev. W. Walker; Choirmaster, Mr. W. Leather; Organist, Mr. C. B. Bickerton.
 8.30: (approx.) Relay of Municipal Band performance, under the conductorship of Mr. Christopher Smith, from the Auckland Town Hall.
 9.30: (approx.) God Save the King.

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

- 3.0: Chimes.
 3.1: Afternoon session.
 4.30: Close down.
 6.0: Children's Song Service, conducted by Uncle George, and assisted by the Children's Choir from the Hataitai Methodist Church, under Mr. C. G. Lovatt.
 7.0: Relay of Evening Service of St. John's Presbyterian Church. Preacher: Rev. J. R. Blanchard, B.A. Organist and Choirmaster: Mr. C. W. Kerry.
 8.15 (approx.): Relay from the Grand Opera House of the Band Recital of the Port Nicholson Silver Band. Conductor: Mr. J. J. Drew.

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

- 3.0: Afternoon Session Gramophone Recital.
 4.30: Close down.
 5.30: Children's Song Service by children of Church of England Sunday Schools.
 6.15: Intermission of meditation music from studio.
 6.30: Relay of evening service from St. Mary's Church of England. Preacher: Rev. R. De Lambert. Organist and Choirmaster: Mr. Alfred Worsley.
 7.45: Instrumental Music from Studio.
 8.15 (approx.): Studio programme.
 Orchestral—New Symphony Orchestra, "Le Cid Ballet Music" (a) "Castillane"; (b) "Aubade" (Massenet) (H.M.V. C1638).
 8.19: Tenor—Mr. C. R. Williamson, (a) "The Star" (Rogers); (b) "Ave Maria" (Kahn).
 8.25: Cello—Mr. Harold Beck, "Nocturne" (Tchaikowsky).
 8.28: Soprano—Miss Millicent O'Grady, "Elizabeth's Prayer" (Wagner).
 8.32: Instrumental—Christchurch Broadcasting Trio, "Allegro from Trio in C Major" (Mozart).
 8.41: Bass—Mr. Finlay Robb, (a) "The Heart Worships" (Gustav Holst); (b) "Peace" (Eric Fogg).
 8.47: Orchestral—New Symphony Orchestra, "Le Cid Ballet Music" (c) "Andalouse"; (d) "Aragonaise" (Massenet). (H.M.V. C1638).
 8.50: Contralto—Miss Nancy Bowden, (a) "Sapphische Ode" (Brahms); (b) "The Linden Tree" (Schubert).
 8.56: Cello—Mr. Harold Beck, "March On" (Benjamin).
 8.59: Weather Report and Station Notices.
 9.1: Orchestral—New Symphony Orchestra, "Le Cid Ballet Music" (Massenet); "Navarraise" (H.M.V. C1639).
 9.5: Tenor—Mr. C. R. Williamson, "The Cloths of Heaven" (Dunhill).
 9.9: Soprano—Miss Millicent O'Grady, (a) "Love Has Eyes" (Bishop); (b) "Vale" (Kennedy-Russell).
 9.15: Instrumental—Christchurch Broadcasting Trio, (a) "Pastel Minuet" (Paradis); (b) "Serenade" (Arensky); (c) "Scherzo" (Schubert).
 9.25: Bass—Mr. Finlay Robb, "She is Far From the Land" (Lambert).
 9.30: Orchestral—New Symphony Orchestra, "Le Cid Ballet Music" (Massenet); (f) "Madrilene" (H.M.V. C1639).
 God Save the King.

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

- 3.0: Chimes. Selected gramophone records.
 4.30: Close down.
 5.30: Children's Song Service, conducted by Big Brother Bill.
 6.15: Close down.
 6.30: Relay of Church Service from Hanover Baptist Church. Preacher, Rev. E. S. Tuckwell, B.A.; Choirmaster, Mr. H. P. Desmoulin.
 7.45: Orchestral—National Symphony Orchestra, "Orpheus in the Underworld" (Offenbach) (Zonophone EE16).
 Orchestral—John McCormack and Salon Group, (a) "Serenade" (Schubert); (b) "Ave Maria" (Schubert) (H.M.V. DB1297).
 8.0: Relay of Concert Programme by Kaikorai Band, under the direction of Mr. Thos. J. Kirk-Burnand, from Central Mission Hall, Dunedin.
 9.30: God Save the King.

Sunday, July 20

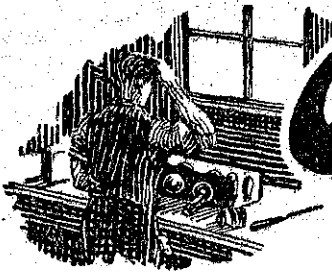
1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, JULY 20.

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

Watch for our

Special Exhibition Number

NEXT WEEK



Questions and Answers



"INQUIRER" (Wellington) has a tandem condenser (.00035) with trimmer, and desires to know the number of turns space wound on each coil, necessary for the construction of a 4-valve single-dial control B.D.

A.: The aerial and the secondary coils require 68 turns on a 2½-inch former using 24 D.S.C. wire unspaced. If you space it, wind on 60 turns, but spacing is not necessary when silk or cotton covered wire is used. Tap the aerial at the twentieth turn, and wind 15 turns on the primary.

2. Which wire do you advise, D.S.C. or enamelled?

A.: D.S.C. would be very much easier to work, and give equally as good results.

"A.C." (Wanganui) wants the details of a cone speaker unit.

A.: We do not recommend amateurs to try to construct the units. They cost very little, and are not worth the trouble they involve in manufacturing. Purchase

a unit and then make up a speaker, such as was described by "Megohm" a short time ago.

"R.V." (Auckland) has read our article on the Loftin-White system, but "cannot get hold of the theory well enough to answer for myself the following questions":

1. How does one arrive at the values of current and voltage for different points of the set for different valves?

A.: It is most involved, and we do not recommend constructors departing from the specifications. Almost all manufacturers make valves with the same characteristics as those recommended. Use these.

2. Could this system be worked with D.C. or batteries?

A.: Yes, but it will take a frightful amount of experimental work to evolve a really good set of resistances. If you feel fit to tackle this, we wish you the best of luck.

3. Could you manage to give another article explaining these points or publish a diagram of the resistances for other valves?

A.: We will probably follow up with further articles on the Loftin-White. We cannot promise that we will experiment with D.C. The principals in America have given no details in connection with D.C. valves. They consider D.C. a thing of the past.

"B.D." (RANGIWAHIA) asks the following points concerning the two R.F. B.D.

1. Which coils would give the best results, 2½in. diameter or 2in.?

A.: You wouldn't be able to detect the difference between them.

2. How many turns of D.S.C. wire will be required in either case for the .00035 condenser?

A.: 2in. diameter, 98 turns; 2½in. diameter, 68 turns.

3. How many primary turns will be required for A409?—15.

"SUBSCRIBER" (Wairoa) asks if a 4-volt battery can be charged from a 6-volt charger.

A.: Yes; use a 3 ohm variable resistance in series and adjust until the right charging rate is secured.

2. Which is the best all-wave set, detector and two audio, or a screen grid four, all wave?

A.: For short-wave and all-wave work the screen grid valve has been successful. Probably the S.G.4 would be the better.

3. Can a screen grid set, and a 3-valve set be worked satisfactorily from a "B" eliminator?

A.: Recent experiments have shown that an eliminator may be used on short-wave. There may be a slight ripple, but nothing much to worry about.

4. What is the best aerial length for an all-wave set?

A.: About 60ft.

"H.E.C." (Wellington) stated that "H. when his set is cold a piercing whistle keeps up for 30 seconds or more.

A.: It sounds like a microphonic valve. When the set is working commence by giving a sharp tap on the detector valve. This will produce a ringing sound. Wait until this dies down, and tap the next valve in the amplifier, and so on. The one which produces the ring will then be found. If the same ring is produced when the valve has been

changed, have a .1 to 15 megohm resistance placed across the secondary of that transformer, thereby limiting the input to the last valve. Excessive input will produce similar noise. The speaker will cause vibration if the amplifier is too close. A lead cap placed over the valve will stop the vibration when anti-microphonic sockets are used. Use rigidly-fixed sockets in the amplifier.

"BEGINNER" (Gisborne) has a screen-grid four battery set, but cannot get anything on short-wave.

A.: Increase the detector voltage until the set oscillates. The terminal is usually marked B+ or HT. The three-post-

fusing. 220 cannot be used as detector. Are you sure you haven't make a mistake?

"A.J.M." (Kelburn) asks if two eliminators giving the same output can be coupled in series to give double the output.

A.: In volts, yes. You may need to reverse the primary connections of one of them. The primaries, of course, are connected in parallel, that is, both adaptors are plugged in A.C. sockets.

2. Where can I obtain a thermo-galvanometer, and what would be the approximate cost?

A.: Carrick-Wedderspoon, Wellington, can supply them. We do not know the cost.

3. What current does the "C" valve 3006 in a Philips eliminator 3003, give?

A.: .6 milliamps. Its function is to provide voltage, not current.

4. Could I get say 200 volts 18 milliamps from the above eliminator?

A.: Yes.

"A.E." (Feilding) asks for particulars for valve-bias coils for "Round-the-World" three to tune over the broadcast band.

Secondary	Tickler	Band
54	24	300
130	35	300/500

Use 26 gauge enamelled wire without spacing.

J.G.A." (Stratford) wishes to know if a Tungsar charger can be used as a battery eliminator with an electrolytic condenser and choke?

A.: Yes, you are not allowing anything for voltage drop in the choke. This, of course, will be very little, but it would be better to use a 4-volt valve with a resistance. We see you have noted a remark made in these columns that the positive of the charger became the negative of the eliminator.

This was an unfortunate slip, for the positive of the battery charger becomes positive of the eliminator.

"C.E.L." (Kilbirnie) asks if 3-inch formers can be used for the coils of "Round-the-World" Three.—Yes.

2. The terminal strip shown on the diagram is blurred. What should they be

A.: In this order: A—, B+, detector, B+, amplifier, C—, A+, B: max. Note that A—, B—, and C+ are connected together.

3. Kindly give particulars of an "ABC" eliminator for this set?

A.: A suitable eliminator was described in the 1929 "Radio Listeners' Guide," and an "A" eliminator may be made from the specifications of the battery charger and choke given in year's "Guide."

"A.S." (Blenheim) asks if the far end of the aerial were to make good contact with the earth would the R.F. valves burn out if the machine was running all out on distant stations.

A.: No, the valves are not in danger while the aerial is shorting to the earth.

"M." (Napier) asks if a Pilot push-pull impedance is suitable for a Loftin-White instead of an output transformer?

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A.: Providing it will pass the current, that is, it must be one of the rectangular type, and is used in conjunction with a 1 mfd. by-pass condenser. This is placed in series with the speaker.

2. Please supply the list of material for the detector and R.F. stages of a Loftin-White amplifier.

A.: A detector stage is not needed. To tune the local station, a coil and a condenser of ordinary dimensions will do quite well. We are experimenting with R.F. stages, and when we have arrived at a suitable amplifier, we shall describe it.

"A. G." (Lyttelton), concerning the performance of his set during the frequency test, asks:

1. During the first frequency test, the speaker and amplifier responded between 50 and 15,000 vibrations. Is this above the average dynamic?

A.: The range is hypothetical. If your amplifier would respond over this range it would be truly remarkable. What you heard on the lower frequencies were harmonics, and the upper ones—well, we suspect, that 2YA could not transmit with any strength notes above 12,000 cycles.

2. Although I live close to 3YA I find the strength varies.

A.: It is purely an atmospheric condition.

"NOVICE" (New Plymouth) is using a four-valve receiver and finds that it is rather noisy when phones are used. What connections would he need to make to use one stage of audio only?

A.: Connect your phones across the primary (P4-B4) of the second transformer. Try the secondary and see if results are better. Probably very little will be gained, for the last stage can usually put on the speaker anything that can be heard on the first stage on the phones.

"J. H.R." (Oamaru) wishes to know if it is advisable to convert a certain factory-built battery receiver into an all-electric, and what would be the cost?

A.: Generally speaking, it is not a paying proposition. Note: We thank you for the lock of hair which was enclosed, but as we cannot see any connection between your query and it, we are returning it. We trust that it will find its way to the rightful owner.

"W. L.P." (Pahiatua) wishes to know if an A.C. set is harmed if used without an earth. Touching the aerial terminal with the earth does not cut out the signals.

A.: It is not unusual for an A.C. set to work better without an earth, but the signals should be cancelled when the earth connection is put on to the aerial terminal if the aerial is on at the same time. Quite often, when interference is had a set will work better with an earth in the aerial terminal and the aerial disconnected. If both go on the same terminal and signals still come through then the earth is defective.

"A. B.D." (Lyall Bay) wishes to convert his 1-valve A.C. set to a 2-valve.

A.: You will have to make some radical alterations for you must use an indirectly heated valve in the last stage. Full instructions were given in "All About the All-Electric."

"D. V.W." (Christchurch) asks why his set develops a very bad A.C. hum when connected to the power amplifier.

A.: Reverse the leads to the input and the set is grounded connect a high voltage tested 1 mfd. condenser in series with the ground lead. Reverse the wires on the A.C. point.

"A. H." (Auckland) wishes to know the cause and cure of a high-pitched continuous whistle when any change is made in the value of a grid leak over 1 megohm.

A.: The secondary is open. Look to see if the grid condenser is not broken.

Try the 'phones test and if there are no clicks other than the first, the condenser is not shorted. It may be broken inside if this test makes it appear O.K. Reverse the secondary wires in the first audio transformer to stop the first audio valve rectifying.

"T. McK." (Wanganui) is rebuilding a 3-valve short-wave set with a short-wave adaptor, as described in the 1930 "Guide," and asks:

1. Would the .001 and .0025 variable condensers be all right?

A.: Yes, the wave-band would be only slightly different.

2. Would a CeCo detector valve with suitable plate voltage do as detector?—Yes, quite well.

3. The theoretical and base-board wiring differ. In one the grid side of the grid leak is connected to the tuning condenser, and on the other, the coil side. Which is correct?

A.: The coil should be connected with the fixed plates, and with the grid of the valve.

4. Looking down on the base of the valve-holder, the top of the secondary goes to F minus. In the base-board the top of the secondary goes to grid. Which is correct?

A.: Try the top as shown in the base-board wiring. The confusion is due to a last-minute alteration in one of the diagrams. We omitted to alter the other.

"E. A.B." (Hastings) asks for particulars for taking "B" current from a 280 D.C. main.

A.: Some time ago we promised a D.C. eliminator. That promise still holds good, and it will be appearing within a few weeks.

2. Could I make the condenser?

A.: It would not be practicable.

"A. R." (New Plymouth) asks if his combination of valves is economical as regards "B" consumption.—Yes.

2. The 1930 "Radio Listeners' Guide" gives the plate current of 630 as .7, the chart accompanying the valve as 30 m.a. total emission. Is this correct?

A.: Yes, this is the current when the valve is properly biased. 30 milliamperes is the maximum current without bias.

Note.—We do not advise you to interfere with the rheostat arrangement. It is quite all right.

"PENTODE" (Dunedin) asks the maximum permissible voltage for a 280 type rectifier, with both plates paralalled and used with a half-wave rectifier.

A.: 280 is to be used only in full-wave circuits for which it is specially designed. We advise you to use 281 for a half-wave.

2. What is the maximum undistorted output of the following valves:—

Valve	Output
B443	450 milliwatts.
C443	2 watts.
E443	3.2 watts.

3. Neglecting loss in the rectifier, is the D.C. output voltage equal to the mean or R.M.S. value of the A.C. voltage?

A.: Yes, if it is equal to the R.M.S. voltage of the secondary of the power transformer minus the drop in the rectifier which varies directly with the increase in current drawn from it.

"W. S." (Inglewood) heard particularly strong signals from one of the South Island stations, and asks why they are stronger than those from 2YA.

A.: This would be a characteristic of the atmosphere on that particular night. The writer has heard Japanese and even American stations coming in as strongly as the YA stations, though, of course an occurrence such as this is very rare.

"W. R." (Denniston) has built a 3-valve portable set and is troubled by microphonic noises. What can he do to rectify this?

A.: The trouble, no doubt, is a microphonic detector, and the solution is either to replace the valve or place a lead cap over it. The fact that it is a portable set would tend to make it more microphonic.

2. Can short-wave coils be made for this set, and if so, what are the specifications?

A.: It is primarily designed as a broadcast set, and to adapt it to short-wave you would have to do more than duplicate the coils. You would have to rebuild the set, using smaller condensers and preferably valve base coils. Specifications for the coils have been previously given in the "Record."

"A. J.H." (Napier) wishes to make a 4 or 5-valve all-wave set, incorporating screen-grid detection.

A.: We have not published specifications of such a set, for these modern sets are very expensive and difficult to build, and then results are uncertain. You may be able to get a kit set that would suit your purpose. The Super-Wasp, with three stages of screen-grid, is specially designed for DX reception.

"C. F.D." (Wallaceville) has a 6-valve factory-built set with which he is using a trickle charger and an eliminator. Reception has suddenly become very unnatural.

A.: Maybe your "A" battery is done. If you have had it since 1925 then this is the cause. If your battery is only new or tests right, then we advise you to take your whole set in to the agent who sold it to you, especially as you are a beginner we do not advise you to interfere with it.

2. I have a short-wave adaptor and can only hear a buzzing noise. What can I do?

A.: Again we do not advise you to interfere. Take the adaptor with the set to the dealer.

"G. I.R." (Auckland) asks for measurements for an exponential horn to be used with a Baldwin unit.

A.: They were given in the "Radio Records." Look up the index in this issue. The original description has been posted to you.

"PHASATROL" (Wakefield) wishes advice on the following points:—

1. Would the Browning-Drake coils be suited for the enclosed circuit?

A.: Yes, with a .00035 condenser, 73 turns of 22 enamelled wire on a 2½ in. former.

2. What is the value of the resistance in the phasatrol? Would it be suitable to use as a potentiometer in the circuit?

A.: It varies—usually 400 ohms.

3. Are the differential condensers available in New Zealand?

A.: You would see from last week's issue that they are.

4. What is the total milliamper. drain of a modern 6-volt screen-grid valve?

A.: Slightly less than 2 milliamperes.

5. In my present 4-valve B.D. set I am using Philips 635 with R.F. with 40 turns of 28 enamelled wire on the primary. Neutralising is necessary. Why?

A.: Probably because of the small electrode capacity of the valve, and the fact that the impedances are properly matched.

6. Do you think the attached circuit is superior to the 4-valve B.D.?

A.: Yes, it should be slightly better.

Radio Listeners' Guide, 1930 Edition.
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RADIO DIRECTORY

What to Buy and Where

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AERIAL MASTS	Domestic Radio Co., Ltd., 300 Queen Street, Auckland.
ALTONA & HAMMARLUND-ROBERTS SETS.	Johns, Ltd. Chancery Street, Auckland.
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Australian Programmes

Thursday, July 10.

STATION 2FC.—9.30 p.m.: The A.B.C. Players present, "The Broken Wing," a comedy-drama in four acts, with entr'actes by the Studio Orchestra.

2BL.—9.52 p.m. and 10.30 p.m.: Choral items by the Sydney Madrigal Society. 9.40 p.m. and 11.27 p.m.: Lindley Evans, pianist, will present classical numbers.

3LO.—9.30 p.m.: The Sunshine Boys. 10 p.m.: Dance music by Clarrie Collins and his Orchestra, interspersed with variety numbers.

3AR.—Relay from 2FC of "The Broken Wing," a comedy-drama in four acts.

Friday, July 11.

STATION 2FC.—9.30 p.m., and at intervals throughout the evening: The Mortdale Boys' School Band will present varied numbers. 10.54 p.m.: Relay from 3LO, Melbourne.

2BL.—10.3 p.m.: "Robin o' Sherwood," a musical presentation of the days of Robin Hood. 9.37 p.m.: The Harmony Four in three selected numbers.

3LO.—9.30 p.m.: A choral music recital. 10.58 p.m.: Vocal numbers with piano accompaniment. 11.40 p.m.: Clarrie Collins and his Orchestra present latest novelty numbers.

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

Saturday, July 12.

STATION 2FC.—9.30 p.m.: Relay of a concert programme arranged under the auspices of the Professional Musicians' Union.

2BL.—9.30 p.m. and at intervals throughout the evening: Tiny Douglas and his Novelty Quartet in popular numbers. 10 p.m.: Relay from the Sydney Stadium of the boxing contest.

3LO.—9.40 p.m.: "Frisolous Fragments," by the Sundowners' Radio Revue Company. 10.20 p.m.: A special programme has been arranged.

3AR.—Relay of programme by 2FC, Sydney.

Children's Sessions

From 2YA.

MONDAY, JULY 14: Puzzles and riddles from Uncle Jeff. Items will be given by the pupils of Mr. Sanders. There will be songs, violin solos, and duets, with a clog dance from Cousin Marjorie.

TUESDAY: To-day is the third birthday of 2YA, and to celebrate this great occasion Aunt Molly and all the Uncles are going to have a party at the Studio, which everyone listening-in will hear.

THURSDAY: Uncle George to-night, with the Optimists' Club, which gives such wonderful programmes of songs, choruses and jokes. Uncle Len will be present too.

FRIDAY: To-night is a gala night, when a Radio Concert will be given

at the Town Hall by our little cousins. There will be a little play, "Fanchette from France," pianoforte items, songs and choruses, musical monologues, a clog dance, trios, violin solos, a vibraphone solo, and selections by a juvenile orchestra. All our uncles will be present.

SATURDAY: Uncle Toby will be here with his mouth-organ, and "Wendy" will give two of her popular musical monologues. Cousin Joyce will play the vibraphone, and Cousins Ann, Molly, Roma and June will also help to entertain.

SUNDAY: The Evening Song Service will be conducted by Uncle George and he will be assisted by the Children's Choir from the Hataitai Methodist Church, with Mr. Lovatt in charge.



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Index of Technical Features Volume III. Completed

THE index covers all the important technical and constructional features in Volume III—that is, from July 19, 1929, to July 4, 1930. Dates refer to 1930 unless followed by "29" in parentheses:—

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IN BRIEF.

A DUNEDIN correspondent, under the nom de plume of "Excelsior," endorses "Listener's" remarks in last week's mailbag as to the quality and variety of the programmes from 4YA, and adds that the standard of entertainment from this station does not nearly approach that from the northern stations.

"PORJARQA" writes a letter of stormy protest on the broadcast description of the first Test match.—"A child could have made as good an attempt," he says.

OWING to the volume of correspondence on both sides of the "Good Night" question, we have been unable to publish a large number of letters, and have had to curtail those published.—Ed.

SOUTHLAND Listener, in expressing appreciation of 2YA's announcer's style, adds: "2YA concerts and plays are highly enjoyed in this part of New Zealand. Kingsford Smith's conversation from New York to Sydney was heard splendidly on Saturday evening. Thanks, 2YA."

What is a Good Good-night?

I READ with disgust the two little backhanders dealt to Mr. Announcer by "Kelburn" and "Matilda." What is wrong with his "Gooood-night?" Switch off your set if it jars. Little retorts like yours jar many other listeners more than the announcer; on with the "Gooood-night." Why cry about the ladies' prison? One's own commonsense should put him right even if Mr. Announcer did slip. You say even a very well educated man might get tangled in his language; we did not miss the little slur, "Matilda." Why always pull Mr. Drummond to pieces? Is he the only announcer who makes mistakes, and very small ones at that? Play "cricket" and be fair to a good and popular announcer.—Fair-go (Murchison.)

THE manner in which the announcer at 2YA bids listeners good-night is certainly "a brand of his own," and a jolly good one, too. I in common with quite many others would miss it very much, and trust that no notice will be taken of "Kelburn's" grounch. I should advise him to join the good morning club, and if he keeps that in mind a cheery good-night won't rile him.—Ati Meo (Hawke's Bay.)

I AM glad to see someone has brought up this question of Mr. Announcer's "Goo-oo-ood night." I agree with "Kelburn" that it sounds silly, and I am one of the listeners who wish to turn off the set before the final adieu is given.

Our Mail Bag

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 might be used for publication.

It would be quite suitable for the close of the children's session, but for grown-ups to have to listen to that every night—well, it gets on my nerves, absolutely, and as for bringing a laugh, as "Static" says, yes, a laugh of derision, in my house.—"Raetihl."

I HAD intended being the first to castigate "Kelburn" and "Matilda" on their petty criticism of 2YA's popular announcer, but felt certain that an abler pen than mine would do the job more thoroughly, and I have not been disappointed in "Static" (Wanganui). I endorse his remarks as well as commending to the notice of "Kelburn" and "Matilda" the notes by "Switch" in this week's "Record." Don't let the pessimist sow his seed in God's Own Country. Carry on, Mr. Announcer, and Goo-ooo-od luck to you.—"Well Satisfied" (Christchurch).

I HAVE been listening all the evening for the announcer of 2YA to mispronounce some word, so that I could write in and criticise him. I had to keep a dictionary at hand, but my luck was out, so I am going to criticise the critics. I often wonder what kind of showing some of these gentlemen who are so fond of criticising would make of the job. While I certainly believe that constructive criticism is helpful, the majority of letters are written in exceedingly bad taste. If certain people must criticise, first let them get something worth while criticising, but for goodness sake, stop this perpetual pin-pricking. I am not going to say I like all the programmes from 2YA. I do not expect that. I detest jazz, but that is no reason why other people should be deprived of it. Taken on the whole, I think our programmes compare more than favourably with any put on in Australasia. As for our announcer, I have yet to

hear a better one. His voice is well modulated, clear and pleasant, and my family will not switch off until they hear his "Gooood-night." If 2YA would like to put on an exceptionally good night, I would suggest that they work out something like the following, preferably for a Wednesday night: Call for these critics and artists through the "Radio Record." These said critics and artists to be paid at

TUNE TO 2YA NEXT WEEK.

"Hawaiki" Calling!"

Pageant From 2YA
Next Week.

A Performance of the Wanganui Maori Party

Under the direction of
Messrs

R. M. Ritchie
and H. Mete Kingi

Maori Lore, Songs, Dances,
Hakas.

the rate of 2/6 or £1 for the night, the scale of pay to be decided by the vote of "listeners-in." This would also apply to an announcer. What we would lose in music, we would gain in mirth. I don't think there would be many £1 artists.—The Man on the Fence (Kaiwarra).

Kelburn Retaliates.

I DO not wish to discuss 2YA's "Good-night" any further, but would like to inform "Switch," since he accuses me of "Cissiness," that my alleged "Cissiness" did not debar me from serving my country in the World War. I was in the Army from August, 1914, until the end of the war, and served on four fronts, three and a half years of which period I was in the actual front line, and am also the owner of three war medals, including the 1914 Star. It would be better for

"Switch" to be sure of his ground before indulging in abuse.

In any case, my letter was more in the nature of an appeal than of fault-finding, and I am sure that the announcer, if he read same, would take it as such.—"Kelburn."

[We assure "Kelburn" that "Switch's" comments were not meant in a personal sense. The paragraph was accidentally altered from its original meaning.—Ed.]

Optimists' Club.

WE appreciated the special programme by the Wellington Optimists' Club, and the Salon Orchestra, on Saturday evening, the 28th inst. The atmospheric conditions were extra good, and the reception splendid. It is a treat to hear the old-time songs, and we shall look forward with pleasurable anticipation to another evening's entertainment by the club.—F. H. S. Matthews (Kaiaia).

An Appreciation.

WE so thoroughly enjoyed your Saturday evening's programme by the "Optimists' Club," "The Wanganui Artists," and the novelty of Kingsford Smith's address at New York, that I feel I must send this short note of appreciation. The programme was a great delight to us. This and the Maori Pageant by the Wanganui Maoris which was broadcast to Admiral Byrd in Antarctica have been very much enjoyed. The company is particularly fortunate in having such a fine announcer as Mr. Drummond.—"Listeners."

One For 1YA.

MR. FLEMING oversteps the mark when he says that 1YA "might as well be off the air after sunset." If you live over 50 miles from this station, I live several hundred miles from Auckland (150 miles south of Wellington), and find that 1YA is the strongest and most nearly perfect A class station in New Zealand. It can be depended on to provide an excellent entertainment day or night, and my set is only four-valve. 1YA comes best, then 3YA; 2YA is a poor third, owing to distortion and fading, and 4YA can't be depended on—only occasionally can it be heard decently. I have received 13 stations in the North Island here, and there are others as well all scattered about, and should be very good for demonstration purposes. My radio selling experience (three years in Canterbury before 2YA opened) showed that the majority did not want local stuff, but would pass it for inferior programmes from Australia. Buck up, Mr. Fleming and others who run down 1YA, and if you are running a good receiver and can't get results, blame atmospherics, etc., not the station.—E. W. Anglesey (Nelson).

Ketelbey Night.

JUST a note of appreciation in regard to the above, one of the most enjoyable little programmes we have had for some time. The works of this composer are very pleasing and the Salon Orchestra and Etude Quartet are to be congratulated on their performances. The setting of "Sanctuary of the Heart" was unfortunately too low for Miss Greta Stark's soprano voice, but the contralto and tenor numbers were most enjoyable. Mr. Will Hancock giving a particularly fine interpretation of "In a Monastery Garden."

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WELLINGTON.

The Second Test

Successful Relays

THE relays of the second test match from Lancaster Park, Christchurch, to 3YA and thence to 2YA and 4YA was a decided success. The diction of the announcer was very clear and could be distinguished, in Wellington, from the local station only by a little "woolliness," though this did not interfere with the broadcast.

The announcing left nothing to be desired. The descriptions were most vivid and conveyed the excitement of the crowd that was surging round Lancaster Park to the listeners in perfect style. Listeners were given the atmosphere at the commencement of play—a dirty field, a slight wind and sun. Not the best conditions, but upon this stage, good or not, the titanic struggle was to take place. Thirty-two thousand people the announcer estimated to be the attendance, a record for the park.

The proceedings were opened with the National Anthem, and the teams that were already on the field took their places to contest honours.

Following that there was no doubt as to what was happening on Lancaster Park. Every phase of the play was clear and those who listened, felt the thrills of the game, that the thousands of spectators in Christchurch were enjoying. It was a tense moment in the early part of the game when Mark Nicholls took his mark in a scoring

position. The howl that went up from the spectators made words by the announcer unnecessary.

When England attacked and scored, and when the play was fast and furious the announcer kept listeners posted with almost every movement, certainly with those essential to the play. The unexpected move on the part of Ivor Jones and his spectacular run which resulted in a try, was described by the announcer as the greatest try in the history of the Park.

It was a splendid match and the excellent description meant much to those who were not able to attend in person. Evidently the gate did not suffer a great deal.

ACCORDING to the schedule of broadcasts as submitted by the Broadcasting Company and approved by the New Zealand Rugby Union, only 3YA and 2YA should have broadcast the second test, but, as events transpired, 4YA did so, too. This was the result of a special request from the Otago Rugby Union, endorsed by the New Zealand Rugby Union. At very short notice the Post and Telegraph Department made available the necessary relay line between Christchurch and Dunedin, in addition to the relay line from Christchurch to Wellington.

It is also interesting to note that 4ZP, the Invercargill station of the Southland Radio Society, again carried out a relay from Dunedin to Invercargill, as was done in the case of the first test.

The second test was therefore broadcast in Invercargill, Dunedin, Christchurch and Wellington, and listeners-

in no doubt totalled a quarter of a million.

According to schedule, the other matches to be broadcast are:—

Wednesday, July 9—v. Maoris, at Wellington (2YA and 3YA).

Saturday, July 19—v. Auckland, at Auckland (1YA).

Saturday, July 26—Third test at Auckland (1YA and 2YA).

Saturday, August 9—Fourth test at Wellington (2YA).

Trade Notes

The Audak Pick-ups.

EXCELLENCE has been achieved in a new type of pick-up, the Audak electro chromatic. It has come on the New Zealand market with a great reputation, for dozens of talking equipment companies are using it as standard equipment, including several New Zealand "talkie" plants. They are manufactured by the Audak Company, of New York, who have for years been creators of high-grade electrical and acoustical apparatus. The mechanical structure is an important point in obtaining the best results from a pick-up. The Audak has a feed arm pivoted on a single highly polished steel ball, imparting great sensitivity. It has a tip-up head fitted with rubber buffers top and bottom which prevent any jarring of the sensitively balanced armature. Bond & Bond, Auckland, are the New Zealand distributors.

Reducing Tramway Interference

THE tramways departments of many of the leading English cities are making special efforts to overcome interference caused to broadcast listening by defective "collectors" working on the overhead power lines. As a result of much research work an improved form of collector has been devised and is being universally adopted.



Mr. Douglas Stark, a much-appreciated comedian from 2YA, who will be leaving Wellington at the end of the month for a tour of England and America.

—Andrew, photo.



Listeners to the second Test on Saturday last were told how Ivor Jones replaced Murray as half, and of the brilliant try he scored from this position. The photograph shows Ivor Jones getting in his kick past Porter.

Identification Wanted

STATION broadcasting 7.30 p.m., June 24, on 250 metres (1200 k.c.); was talking about the League of Nations, and said he was a delegate to them in 1919. When this station faded 3ZC came through strongly. Voice appeared to be American.

S.D. (Hikurangi) in "Q. & A." page recently says he could hear ZFC and ZYA at the same time. Recently I heard 1YA, 3YA and 3UZ, Melbourne, at the same time. What wavelength does the station in Hamilton employ and what days and time does he broadcast?—L.H. (Mercer).

CAN anyone help me with five strange stations I heard on June 21? (1) American, with a request programme on 1360 kc. (220 m.). (2) Station just below harmonic of 2YA, on about 1450 kc. (207 m.), testing at 10.32 p.m. when "Talking Picture" was played. (3) Three others, one on 1360 kc. and other two between 2HD and 1440 kc. (208 m.), all talking in strange language like Japanese. Seemed like duplex. All these stations except the first were good speaker strength.—Kauspanker (Hastings).

ON switching my set on between 2.30 and 3 a.m. on June 25 I logged two stations on approximately 380 metres (790 kc.), and 310 metres (967 kc.). Both were announcing in a foreign tongue.—"Puzzled" (Marlborough).

ON June 24 I heard a station broadcasting gramophone records about 9.30 p.m., between 2YB, New Plymouth, and 2HD, Newcastle. This station would go off the air suddenly without giving any announcement. One of the records played was "The Whistler and His Dog." It was very loud at times, but would fade away and be very mushy.—A. McK. (Gore.)

DX Topics

Recent Loggings.

ON June 21, on 1430 kc. (208 m.), I heard a new American station, KGME, North Platte, Nebraska. I picked this up at 7.15 p.m., and listened to it till 9, when I left. This station is not listed in my call book. It came in at half-speaker strength, but fading occurred every three or four minutes. Another station I have heard recently is KTRH, on 1130 kc. (265 m.). It comes in strongly, but as I have only heard it giving the closing announcement I have missed the locality.

The Hastings station 2ZI, on 1330 kc. (225 m.), comes in at good speaker strength on Monday and Thursday nights. Some time ago Mr. Anglesey inquired whether anyone had heard WOC, Iowa. I received a letter of verification, and an illustrated booklet last October, and I think several other DX-ers heard it about the same time as I.—Kauspanker (Hastings).

Two Well-known Americans.

ON June 21, station KPO (683 kc.), came in very strongly, the items being very clearly recognised. It was carnival night, and the "Cinderella Orchestra" playing at the "Silver Slipper Cafe," Washington Square, San Fran-

THE D.X. CLUB

Views and News.

disco, played several numbers, including "My Guitar and You," and the master of ceremonies sang "You Brought Me a New Kind of Love." It was dance



MR. L. T. J. RYAN,
who will present humorous items during the band recital to be broadcast from 3YA on July 15.
—Steffano Webb, photo.

night at KFI, Los Angeles, and though this station came in well it was not nearly as strong as KPO. At 7.45 p.m., after the announcement, "Now, on with the dance," there were two orchestral and vocal numbers, "Where the Golden Daffodils Grow" and "I Love You, I Love You."

On June 22 I logged a new station, but was just in time to hear them signing off at 5.32 p.m. (our time), as WFAA, Dallas, Texas, operating on a frequency of 800 kc. (374 m.). Another new one coming in well to-night (June 22) is KGU, Honolulu, Hawaii, on 940 kc. (319 m.), though 3UZ, Melbourne, was heterodyning badly when KGU faded slightly. My log of American stations received during the last month is 15, all on the loud-speaker. In the 1930 Radio Guide and Call Book, station 4ZM, Dunedin, is listed as operating on a frequency of 1060 kc. (283 m.). According to my set, it is operating on a frequency of 1120 kc. (268 m.). and as all the listed stations come in very close to the listed frequency, I think that 4ZM must have changed their frequency lately.—Vogeltown (New Plymouth).

The DX Clock.

A CORRESPONDENT has written us inquiring about the date of publication of the DX Clock. To any interested listeners, a few copies (January 6, 1928), are still available.

A Rarely-heard Australian.

MANY thanks, Mr. Munro (Auckland), for your information re WOHL. On June 16 I had eight Americans, five calls heard, but had logged them before. On June 18 I had

nine more, but heard only two calls, WENR and WFAA. I also caught and logged 2ZL, Wanganui, closing down about 4.35 p.m. on June 18. On June 24 I logged 5DN, Parkside, South Australia, and on June 26 I logged 2ZI, Hastings. Total now 57. Keep the ball rolling, DX-ers. I noticed last week's "Record" conspicuous for its absence of DX notes.—L.I. (Gisborne).

Recent Loggings.

ON June 26 at 8.10 p.m. I logged 2ZI, Hastings, at full volume. This station is on 1340 kc. (224 metres), and is owned and operated by A. Simmonds and Co. Also, on June 21 at 11.30 p.m., I logged another Japanese station on 900 kc. (331 metres) with call JFAK, Taikopa. The same evening, at midnight, on 710 kc. (422 m.), I heard COMK, Mukden, China, on string music. At 1.30 a.m. on June 22 I identified the station on 1153 kc. (261 m.) as KZIB, Manila, Philippine Islands. I also heard another station, apparently Chinese, on 445 metres (680 kc.), but it was coming through with bad fading and heavy static. I switched off at 2.15 a.m.—DX-er (Okato).

A New American.

ON June 7 I logged station KFJF, Oklahoma, Oklahoma, 203 metres (1480 k.c.), with good volume. Soon after tuning in an announcement was given, after which they went off the air. Time of reception was 8.45 p.m.

In the "Listener's Guide" KFJF had not been reported in New Zealand. On June 29 I received a letter from KGU, Honolulu, in which they state: "Our power is 1000 watts and we broadcast on a frequency of 940 k.c. So far we have been heard from Dunedin, New Zealand, to New York City, U.S.A. So you see, your reception is the most distant we have ever checked." KGU is on the air as follows: 6.15 to 7.15 and 8.30 to 9.30 each morning; 12 to 1 each noon, and from 4.30 to either 9.30 or 10 each night."

I have not seen any mention of WMBD, Beoria Heights, Illinois. I received them on June 29 with good volume. WMBD makes my tenth American and forty-sixth identified station. I have logged 19 New Zealand stations, including 2ZF, Wairoa, Hawke's Bay, received with good volume on June 26. Power is 7½ watts. 2ZD, Masterton (2½ watts), is received regularly. I have also logged 2ZH, Napier, 1ZB, Auckland, and 2ZQ, Masterton (6½ watts).

Re Mr. A. E. Allen's query (in May 30 issue) as to a station operating on 228 metres (1310-1320 k.c.), this may have been 4YA's harmonic (230.6 metres), although I do not think the wavelength varies. My set is a popular three-valve English kit, using 2-volt valves with only three-quarter of B battery supply specified by the makers.—Kit Set 3 (Dunedin).

American Verifications.

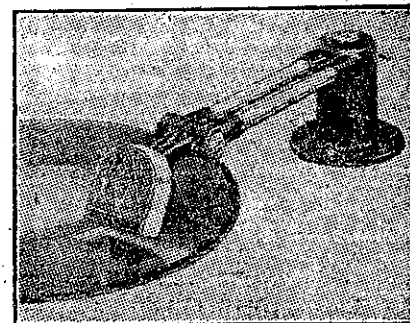
BY the last two mails from America I have received verification cards from KMIC, WMBS, KSOO, KRCR, KGHF, WGHP, WTAR, KGU, WBBM, and KTM. This brings my log of verified Americans up to 57. Many more are on the way.—DX'er (Okato).

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Log For Week

Sunday, June 29.

ZEESSEN was tuned in at 9.30 a.m., when they were quite good at R7-8 with orchestral music. Volume rapidly decreased.

A station on about 31.4 metres was heard at 11.30 a.m. at R4, increasing to R7 by noon. Dance music was being played. A morse station started just before the other closed down about midday, so the call was not heard. It may have been W2XAF; this station was not heard during the afternoon. W2XAD was R3-4 at 11.30 a.m., but could not be heard one hour later.

NRH at 1.50 p.m. was R2-3 with singing. Talk was heard at 2 p.m., odd words only being readable, but New Zealand was heard, possibly mentioning reports received from this country. In giving the call, NRH, the last letter sounded more like X sometimes. W8XK at 2 p.m. was R3. At 2.30 p.m. they were off the air.

On about 29 metres at 3.30 p.m. a very strong carrier was heard, but nothing else while I was listening. W3XAL from R7-8 at 3.30 p.m. increased to R9 by 4.30 p.m. W2XKE, giving the call "WABC and W2XKE," were R7 at 3.45 p.m., increasing to R8 by 4.30 p.m.

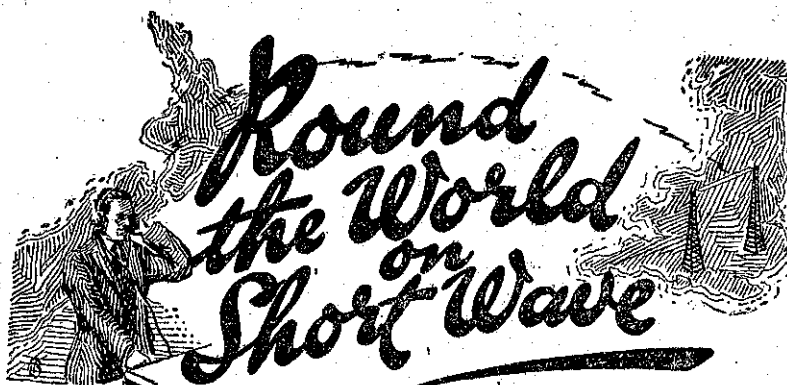
W9XF was much weaker than the above stations to start, but soon increased to good volume.

Monday, June 30.

I DID NOT listen till the evening. W2XAF was tuned in at 10.30 p.m. when they were very noisy at R8, clearing up by 11 p.m. Holland and Sydney were being called.

Arrangements had been made for signals from W2XAF to be picked up by PHI, Holland, relayed from there to PLH, Java, and then on to 2ME, Sydney. Neither of the stations were audible up till 11 p.m.

2XX at 10.45 p.m. was excellent at maximum volume. RA97 was perfect at 10.45 p.m., but only Russian talk was heard.



THIS page is conducted in the interests of shortwave enthusiasts. A weekly log comprising notes of reception and interesting topical events is contributed by Mr. F. W. Sellens, Northland, Wellington, but all listeners are invited to send in paragraphs of general interest.

Stations Heard During Week Ending July 5

ZL2XX, Wellington, 62.8 metres: Monday.
RA97, Siberia, 70 metres: Each day except Sunday.
W9XF, Chicago, 49.83 metres: Sunday and Saturday.
W9XAA, Chicago, 49.34 metres: Saturday.
W3XAL, New Jersey, 49.18 metres: Sunday and Saturday.
W2XE, New York, 49.02 metres: Sunday and Saturday.
W2XAF, Schenectady, 31.4 metres: Mon., Wed., Thurs. and Sat.
? 31.4 metres (about): Sunday.
ZEESSEN, Germany, 31.38 metres: Each day except Monday.
KIXR, Manila, 31.3 metres: Each day except Sunday and Monday.
PCJ, Holland, 31.28 metres: Friday and Saturday.
NRH, Costa Rica, 30.5 metres: Sunday and Saturday.
VK2ME, Sydney, 28.5 metres: Friday and Saturday.
GBP, Rugby, 27.7 metres: Tues., Thurs., Fri. and Sat.
G5SW, Chelmsford, 25.53 metres: Each day except Sun. and Mon.
W8XK, Pittsburgh, 25.25 metres: Sunday.
W2XAD, Schenectady, 19.56 metres: Sunday.

Tuesday, July 1.

NOT a sound could be heard at 6.15 a.m., except one or two morse stations very faintly. 5SW was just audible soon after 7 a.m. GBP only R1-2. Zeesen was about R7 at 7 a.m., but inaudible half an hour earlier.

KIXR at 8.15 p.m. was very gushy at R4, and about the same at 10 p.m. RA97 was almost wiped out by static at 10 p.m.

Wednesday, July 2.

At 7.30 a.m. 5SW was R3, too gushy to be readable. Zeesen at the same time was excellent at R8 with a musical programme.

W2XAF was tuned in at 9.45 p.m., when records were being played and 2ME called. Volume was R8. Talked with Australia, commenced soon after, but 2ME could not be heard here. KIXR was gushy at R3 at 10 p.m. RA97 at 10.15 p.m. was R8-9. Static was bad.

Thursday, July 3.

AT 6.30 a.m. 5SW was R2, increasing to R3 by 7.30 a.m. GBP was a little better than 5SW, while 2ME was not audible during this period. Zeesen, although weak, was quite clear at 6.30 a.m., being R4, reaching R7 by 7.30 a.m.

KIXR at 8.15 p.m. was gushy at R4. By 10.30 p.m. volume was R3 with better quality, but still below standard. RA97 with band music and talks at 10 p.m. was R8-9; static bad. W2XAF was testing at 10.15 p.m. They were excellent at R8-9.

Friday, July 4.

STATION PCJ at 6.30 a.m. was very gushy at R4. By 7 a.m. they were good at R8, reaching R8-9 by 7.30 a.m. GBP was R2 at 6.30 a.m. to R7 by 7.30 a.m.

2ME was not audible. 5SW was not heard till nearly 7.30 a.m., when they were R4. Zeesen again was

very good by 7.30 a.m. at R8. 2ME at 6.45 p.m. was R9, while GBP was R2.

KIXR was R7-8 at 10.30 p.m., being very gushy. RA97 was weaker than usual at 10.30 p.m., R7.

Saturday, July 5.

AT 6.30 a.m. PCJ was only just audible, increasing to R8 by 7.30 p.m. They signed off at 7.37 a.m., "till midnight, G.M.T." GBP increased from R2 at 6.30 a.m. to R8 at 7.30 a.m. 2ME was just audible at 7.45 a.m., but not before. 5SW was very gushy at 7.30 a.m., R4.

Zeesen at 7.30 a.m. was R8, but slightly gushy. PCJ was very poor all through the afternoon, R2 at 1.30 p.m., to R7 by 4 p.m., and down to R3 by 5.30 p.m. Reception was mushy all the time. W2XAF was heard at 1.30 p.m. at R3. They were gone when tried for at 2 p.m.

NRH at 2 p.m. was R3, surging was bad. GBP and 2ME commenced about 2.10 p.m. at R7 and R9 respectively. W9XF were first tuned in at 4.15 p.m., when they were R3. This increased to R9 by 5 p.m., when dance music was heard from "the world's most beautiful ballroom." W3XAL were relaying music from the Pennsylvania Hotel, New York City, being received at R7 at 4.15 p.m. W2XKE was only R2 at 4.15 p.m.

W9XAA was first heard at 4.45 p.m. at R4, but a morse station came on soon after and spoilt reception. KIXR at 8 p.m. was R7-8, which is better than usual for this time.

RA97 with music and talk at 10 p.m. was R8. W2XAF at 10.45 p.m. was playing records and calling W6XN, asking them to call 2ME. W6XN or 2ME were not heard.

Short-Wave News

Shortwave Station for League of Nations.

A SPECIAL short-wave transmitter to be operated by the League of Nations has now been authorised and tenders are to be called for its construction at Prangins, in Switzerland.

It is not expected that it can be finished before the spring of 1931, and in the meantime, should the necessity arise, the existing transmitter at

BE PREPARED—

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"WHERE THE QUALITY GOODS ARE SOLD."

Prangins, working on the broadcast band, would be placed at the disposal of the authorities for official communications.

Synchronised Television Broadcasts.

STATION WKRC (Cincinnati) is shortly to commence television broadcasts. It is to operate in conjunction with a new shortwave station of the Ohio Television Corporation and will synchronise its sound programmes with the night programmes of the shortwave station.

A Two-call Station.

WHEN VK2ME is being used in the Australian-English duplex telephone service their call is VLK. VK2ME sometimes works on about 18.7 metres when testing with Java and America.

Notes on Reception.

CONDITIONS continue to be very poor for shortwave broadcast reception during the early morning and evening. Very little has been heard of 2ME during the week, although W2XAF (Schenectady) and GBP (Rugby) have been heard conversing with them several times. The distant stations are clear, while 2ME has, in most cases, been inaudible.

On Short-Waves

MR. McDONAGH, of Wellington, writes: From RA97, then RA16, now RB15, on 70 metres, I heard the programme mentioned by Mr. Anglesey, of Nelson. The lady finished the talk on the Indian situation with "Long Live the Indian Revolution." The next night she was speaking of the agenda for the Fifth Socialist Congress. I have heard them speaking in Chinese, then a Chinese song and music, evidently for the benefit of the Manchurians. I noticed a bugle call before selections by a military band. Pear's Annual gives the population as 21,000, and says Kharbarovsk is an important military centre. A Russian told me there is a powerful station at Tomsk.

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THIS new All-Electric-Tuned Screen-Grid Short-Wave Receiver, the most powerful ever made, will give loud-speaker reception of London, New York, Moscow, and widely-distant broadcasting stations.

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and get full particulars of this splendid N.Z.-made D.X. Receiver.

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ZL2XX, 62.4 metres, gave a programme on Saturday night, which 4ZO, Dunedin, re-broadcast. Included in the items was a sound film, which came out very well indeed. A most interesting feature of a test last week was the sound film "Characteristics of Sound"; this film would be much appreciated by listeners who are unable to share the pleasures of short waves.

To hear the same piece three times in an hour from one station may be unusual, but last Saturday night, or, rather, early Sunday morning, Siberia gave "Rose Marie," probably it may have been a relay of the play.

2XAF is often on from 10 p.m. Sometimes he is exceptionally loud. I have noticed that 2ME goes higher up at times to somewhere about 36 metres, often he can be heard coming in from 2XAF; it may be from a speaker.

Note.—2XAF, at about 10.15, will re-broadcast Java. If conditions are unfavourable, he will get Holland to put them through on Tuesday, July 1, from 10 p.m.

A World-Wide Broadcast.

ON June 24, W2XAF, New York, was received very clearly at R9. Apparently there is to be a round-the-world hook-up on a Tuesday night shortly. Mr. Hicks, of 2XAF, while in conversation with Mr. Farmer, of VK2ME, Sydney, mentioned that the circuit would be completed as follows:—From 2XAF to 2ME, thence to one of the Javanese stations, to PCJ Holland 5SW England, back to 2XAF. The time proposed was about 11 a.m., N.Z. time.

This should be worth listening to, as the round-the-world talk will be re-broadcast on a slightly higher wavelength—about 31.8 metres, was mentioned. Listeners will hear a message that has travelled one and a half times around the world. Anyone possessing two S.W. receivers will be able to notice the time it takes for a signal to go right around the globe (or nearly so) and back to us in New Zealand.—E. W. Anglesey (Nelson).

Questions and Answers

N. CONLON, Tahunanui, Nelson, states that he cannot obtain porous pots for Daniels cells, and asks how they might be made.

A.: They cannot be made except with elaborate apparatus—they are of unglazed china. Perhaps some more fortunate listener might send you a few.

Gramophone Notes

Pathétique Symphony.

ALTHOUGH the title suggests such, the music is not modelled upon pathetic scenes, though the author was going downhill in life, and this found an effect upon the music. In fact, the title was not given the symphony until after its initial presentation, and then at the suggestion of the brother of the composer. This famous work is one of the most often rendered symphonies, and is the last great work of its kind attempted by the author. "Without exaggeration, I have put the



MR. JAMES SIMPSON,

who will present popular tenor solos from 4YA during the variety programme on July 18.

—Steffano Webb, photo.

whole of my soul into this symphony," wrote Tchaikovsky shortly after its completion. It was first presented in England after the death of the author, and has since been performed more times than any other symphony. The extreme pessimism of the music is probably the result of the moods of despon-

dency to which the author was subject towards the end of his career.

There are many splendid recordings of the symphony, and one of the best is that of the Symphony Orchestra, conducted by Albert Coates. (H.M.V. D 1190-4).

Depicting mysterious gloom, the opening bars for the deepest notes of the bassoon, introduce the symphony. The violas followed by the violins take up the melody and work up to lively passages. Other ideas are introduced by instruments, only to return to the melody, though it is given different forms. But the despondency soon asserts itself again, and sorrow is expressed by the bass instruments; it finally wears itself out and the orchestra returns to the main theme. Thus the first movement closes.

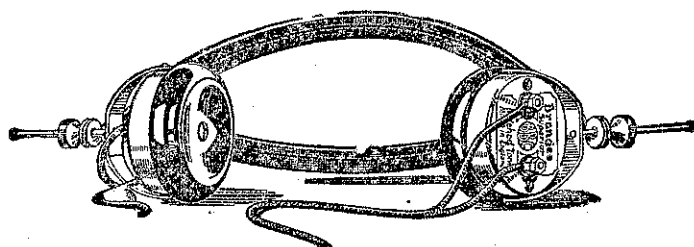
The second movement is unusual in tempo. Five-four time is common enough in the Slav countries, the home of the author, but most unusual to the Western mind. The movement is brighter in outlook than the first, but it is disturbed by a sinister effect which, however, cannot prevent the final triumph of the strings.

The third movement, which was at the time considered should be the last, is the most dramatic. The theme is not announced for some time. A march is introduced by the clarinets and worked up to a dramatic climax by the orchestra, and a new theme is introduced. It is wildly treated by all sections of the orchestra, tossed and torn in a frenzy until the movement ends amid wild excitement.

The final movement is one of contrasts. It is a sudden return from unfettered boisterousness of the third movement to the sorrow that was announced in the first. One would think that the composer felt himself almost within the grip of death, and several times we think death has claimed the symphony—but hope is again sounded. The opening theme returns, but the happiness is momentary and the symphony fades out in the throbbings of the bass.

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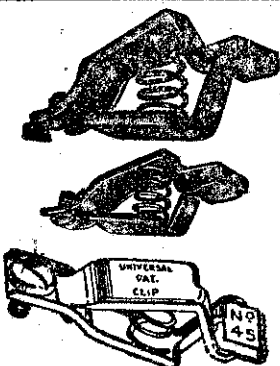
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Speeding Up

Electricity in Rail Services

IT is now possible to coal engines in 90 seconds by pressing a button; give trains a shower bath and clean a coach in 90 seconds; clean out engine boilers in half an hour by electrical machinery, instead of 10 hours; repair heavy engines in 47 hours instead of two and a half months, as formerly; make a new twelve-ton truck in 25 minutes, and seven new coaches in a week.

The London and North-Eastern Railway, for instance, has installed a new system of coaling engines, which, by the mere pressure of an electric button feeds a tender with five to six tons of coal in 90 seconds. Six months ago it took 30 minutes to load the same amount of fuel.

Eleven thousand tons of coal fuel are now being handled every week by machinery at our chief centres, a London and North-Eastern Railway official told a "Sunday Express" representative. One man can load a tender, register the tonnage, the time taken, and the number of the engine by one movement of his forefinger.

Then there are the shower baths. The Flying Scotsman, after the long journey along the east coast route, is now cleaned at the rate of a coach every 90 seconds. This is made possible by the installation of a simple system of whirling rags and a high pressure spray of water. The train is drawn through a "guard of honour" of rotating wet rags at a speed of a mile and a half an hour, and finally given a drenching spray of clean water. It is made spick and span without one touch of the human hand.

Electricity Speeds Up Hatching

BY hanging electric lights over trout pools at a Colorado hatchery, a way has been found to provide the fish with an extra supply of food on which they thrive and grow larger than in pools without the light. The rays of the lights lure mosquitos, moths and other insects which fall into the water and are devoured. The plan has reduced the cost of feeding the fish, and the benefits reaped from the system are reported to be such that they more than offset the expense.

Science v. Nature

Artificial Lighting

AT an illuminating conference recently held in New York, windowless factories, lighted by artificial means, were advocated. It was asserted that not only would the omission of windows save five per cent. in building costs and forty per cent. of maintenance expenses, but control of heat and circulation of air would be facilitated, and the efficiency of workers increased.

Dr. E. E. Free, consulting engineer and scientist, stated: "The lighting in a factory illuminated by daylight is changing constantly, so that only for short periods every day will each machine, desk, or work-bench receive that kind and amount of light best suited to the eye. Artificial lighting, however, does not mean the equal of present average daylight illumination, but from five to ten times that amount as required."

Motor Exhibition

New Models Displayed

THE exhibition staged by General Motors of New Zealand, Ltd., is a comprehensive one. Its attractions were added to on the opening night by a parade of mannequins, and music was nightly dispensed from the stand of a local music house.

The motor caravan is a centre of general interest. It is luxuriously fitted to comfortably accommodate five people, with folding tables, sofas, convertible into bunks, upholstered in moquette. A tank ensures an adequate water supply; there is a cooking stove, lighting facilities, and a wash basin for toilet purposes, enclosed in a neat cabinet—in fact, all the requirements of a complete home. Quaint stained-glass casement windows enhance the appearance.

Impressive as is the gold sedan car, upholstered in velvet to match, it lacks without the dignity of the state coaches of other days. That in which their Majesties the King and Queen ride to open Parliament and use for other state functions, for instance, is also gold, but the plate-glass of which so much of it consists lends to it the qualities of a Fairy Tale coach. An air of romance clings to it, which no car, however regal-looking, has yet attained.

But Electricity Intervenes Who Should Make the Fuss?

AT the annual conference of the Women's Division of the Farmers' Union, the difficulty of obtaining and keeping domestic help in country districts was again bemoaned. It was stated that New Zealand girls able to perform the duties required of them preferred town work to country life.

By enlisting the aid of electricity, not only is the housewife to a large extent enabled to dispense with domestic help, but where such must be employed it becomes more readily obtainable.

With the drudgery taken out of milking, the washing-up in the shed, and

When Day. is Done

THE following little story from a contemporary is not without its application here:—

"I went home dog-tired the other night," said a husband recently. "I made so much fuss about how many things I had had to do that day that my wife and I got into a good-natured argument over it. What she said, and what I said, set me thinking.

"We took a pad and pencil, and each set down a list of the things we had done that day. Then we took another sheet and set down the things we thought the other had done. That last sheet, when compared to the actual list, was an eye-opener.

"I thought about all she had done was prepare meals, dust and clean, make the beds and look after the children—certainly a good-sized job. But I found that the present-day home-maker has a many-sided job calling for all the skill and training of a big business executive. And usually she has no staff to whom she can delegate the details!"

THIS is all too true. The home-maker to-day, in addition to all the old routine duties that are still to be met, needs to be a marketing expert for one thing. She buys the groceries and meats, the furniture and furnishing, the clothing for the family; bargains for the services of plumbers, painters and repairmen of all sorts. She must keep abreast of the times, too, or her home-life is threatened with disaster.

When her husband comes home at night, he is through; he can relax and rest. But the home-maker's day is not done until the dishes are out of the way and the last curly head has been safely tucked in.

And yet, husbands look to the wives to make this fag-end of the day—serene, frictionless and happy.

Most husbands, we know, are anxious to do their share, and many would help more with household chores if they could. But they can do their part to relieve the burden and lighten the labours of wife and mother, and they can best do it by securing for her the best of all modern aid. Ask any woman the most efficient time and labour-saver. She will say electricity and modern electrical appliances. She knows.

DEVOTION

When the dream mists flutter softly
Down the edges of the sky,
And the blossoms, pale and fragrant

With the wind go drifting by,
When the moon's a silver bubble
All a-tremble in the blue,
Then the night, my dear, is paying
Its homage unto you.

Do you hear the whirring quiver
Of the fireflies as they pass?
Do you see the dewy cobwebs
Upon the shadowed grass?
Do you see the wraiths of star-dust

Go scattering down the sky?
They are waiting, waiting, waiting,
Till your gentle feet go by . . .

When the last lamp fades in shadow,
And the beetles drone and whirr,
When the moonmoths glow with silver

And the leaves are all a-stir;
When the countless stars are golden

And a dreaming wind drifts through,
Then the night, my dear, is paying
Its homage unto you . . .

—A.N.I.C.

time saved by cooking and cleaning electrically, country life assumes a new aspect. The work becomes interesting and not too arduous for either mistress, New Zealand or imported help. We feel sure that it is to the amenities of life which electricity provides, that housewives and employers must look to solve the difficulty of keeping the young people on the land.

An Important Food

Sugar and Its Uses

A GENERATION ago, says an American physician, sugar and sweets of all sorts were absolutely taboo on the training tables of athletes. Now the coaches find that they can build and shape up their men quicker, with less danger of breakdown or staling, on a diet rich in sugar, sweet fruits and ice cream than they ever could on the old rigid unbalanced, almost sugar-free diets.

Sugar is one of the three great pillars of the dietetic temple, meat, sugar-starch and fat, and the greatest of the three. The crimes and delinquencies blamed upon sugar simmer down to the claims that it "makes the teeth ache"; and, if eaten just before a meal, it sometimes destroys the appetite for that meal before sufficient calories have been absorbed. Also, its taste is so attractive that children may devour it in excess.

As a matter of fact, sugar in itself never affects a clean, healthy tooth, though it will sometimes make the nerve of a decayed one jump. Here sugar is responsible for warning the owner of the tooth that it needs skilled attention before it becomes so bad that it has to be extracted.

Both of the other supposed ill-effects of sugar can be avoided by decreeing a forbidden season for sugar and sweets, during which none may be taken, beginning one hour before the next meal. Moreover, if children are given liberal and intelligently balanced amounts of sugar at their meals as desserts and in fruits they will never develop that irresistible, unreasonable craving for sweets.

Growing children, who have less storage than adults, as well as being much more active, really need a small refill in mid-morning and mid-afternoon, so as to carry them comfortably through to the next important meal. A piece of bread and butter with sugar, or, better still, with jam or jelly, will fill the bill, as also will a glass of orangeade, some fresh fruit or an ice-cream cone.

In another and quite different field sugar is also proving most useful. Surgeons find it very valuable in preventing some of the unpleasant after-effects of chloroform and ether. They first tried it as a preventive of severe vomiting after an operation and found that if a sugar-glucose solution was given just before the patient left the operating table, vomiting was almost completely prevented in a large percentage of cases, and the distressing thirst often so bitterly complained of was almost entirely avoided.

Relieve
throat
soreness
quickly
with

Pulmonas
PASTILLES

Suck them slowly

At all chemists

Prize Poem Competition

IN this issue we publish the poem entitled "Reproach," by A.N.I.C., unavoidably held over last week owing to pressure on space. Readers will remember that this poem was adjudged equal in merit to "Coal Hulks of Wellington," and we again congratulate this prize-winner on the success attained by her skilful and imaginative work.

A sheaf of verses was received for this week's competition, most of it of good average merit, but none of sufficiently high standard to warrant the award of a prize. We commend the excellent literary form of "Oh, Mack" in "The Dream Pedlar," this lengthy poem, however, being too diffuse for publication.

"Doreen," a new contributor, cultivates her spiritual garden in a gentle ode to friendship.

"Lucibel Lee" is sweet and facile in trilling lines anent a blue and golden world, alive with the singing of "little golden-hearted birds."

"Betty K.'s" song of a Blue Lagoon is not as successful as other work we have seen of this talented contributor. We agree with her remark about the third verse.

"John Storm": Many will admire "The Two Cities" if room is found for it. Its author has a sure and comprehending touch on mind and emotion.

"Cora Pearl": The lady of the lovely name mixes a few jingles and clichés with some nauseating sentiment in one fell bubble of words written in red ink!

"Thunder on the Left," an appropriate nomenclature, chooses for his attempted epic the themes of battle, murder and sudden death. All these, and more, also, in his bustling lines, but, alas! no brush of the flying wing of poesy.

...Reproach...

YOU say that Scottish heather
Is fragrant after rain,
And soft spring winds are stirring
Along an English lane,
But will you have forgotten
When the Rata comes again?

If I told you that the tree-ferns
Are green and dewy-wet,
That the ti-tree is in flower
And the gorse is golden yet,
Would your heart beat slightly faster,
Or do you quite forget?

The koninis old and twisted
Outvie your English may,
The Rata on the mountain
Grows more scarlet every day;
And don't forget you loved it . . .
Before you went away.

—A.N.I.C.

A Splendid Effort

The Midnight Mission

THE Midnight Mission of Los Angeles is complete in every detail. The enterprise is founded on the highest ideals of co-operative helpfulness and is completely equipped with every detail to care for the wanderers who come to its door. Some 1500 are taken in nightly. Each guest, is first well fed, then facilities for a warm bath are afforded and a clean and comfortable bed provided. During the night the wanderer's shoes (so often

the first to tell the sad story) are repaired and conditioned by a trained cobbler, his clothes are laundered and mended, when necessary. If the visitor has work to go to next morning he is first given a good breakfast and then provided with lunch and car fare.

Hotels contribute their crockery which has become chipped; cafeterias the food they have been unable to dispose of otherwise during the day; bakeries the bread and small goods left over from the day before; biscuit factories broken biscuits and crackers; and private families useful articles of partly-worn clothing.

All this working together makes a complete and harmonious whole, wide in the scope of its activities and blessing many of the homeless, destitute and friendless.

N.Z. Apples

A Winning Exhibit

AT that annual pageant of beauty, the Chelsea Flower Show in London, this year for the first time a competition was arranged for Southern Hemisphere apple growers. It is gratifying to learn that the award for dessert apples has been won by Miss V. Stephens, of Stoke, Nelson, who showed five boxes of Jonathans.

Apples from the Dominions were also shown in the British Empire Section. They were awarded marks, but the prizes will not be awarded until the entries have been compared with similar entries of English and Canadian apples to be shown at the Imperial Fruit Show, Leicester, at the end of October.

English—A World Language

IT is the belief of a Swedish professor that English is the coming world language. As one with traditions, and a literature which is alive and expanding English stands unrivalled. It completely cuts out Esperanto and all other artificial creations, says an overseas literary periodical. It is already the language spoken by the greatest number of people in the world; it is recognised as the language of the sea and of commerce. As the language of diplomacy, it is the equal of French, and the smaller Continental countries invariably choose to teach it, where a second language is obligatory.

The Swedish professor attacks the spelling bugbear by introducing a system he calls "Easy Spelling," chiefly for the benefit of foreigners, who find difficulty in acquiring the language. Its principles are based on old English orthography, largely Elizabethan, when the language was more phonetic than to-day.

Mary Did Have a Little Lamb

MRS. MARY HUGHES, who inspired the nursery rhyme, "Mary Had a Little Lamb," celebrated her 89th birthday in Wales last month. She was born at Llangollen on May 18, 1841, and received hosts of congratulations from many friends, including children, both at home and abroad.

Mrs. Hughes still relates the story of her pet lamb following her to school so many years ago, when the teacher made her take the animal out. Miss Sarah Buell, of London, who was then staying on the farmstead, was so amused that she wrote the verses, which have been sung ever since the world over. Later Miss Buell visited America, and married the American ethnologist, Horatio Hale. America, therefore, claims authorship of the famous rhyme.

What a Guinea Can Buy for the Home

—and now Amy has her say and stresses that the Guinea Prize must be spent unselfishly

I AM sure that the prizes offered for the Spelling Bee have been won time and time over and spent a dozen ways each time. Some one has to win the prizes and as I have been learning those long words appearing in the "Radio Record," I think I shall stand a good chance. A fortnight ago I told you how I should like to spend the guinea I was going to win. Well, I have been reprimanded and told how utterly selfish I could be when I liked.

My sister Amy, and, of course, mother, were particularly voluble in their disagreement. Amy is the unselfish one, but I suspect she has an ulterior motive—in fact, I think I have seen that ulterior motive.

When I win my guinea, Amy proposes to spend it for me—not in fancy electric shades or electric scent sprays, or anything like that, but in something really useful. An immersion heater, she suggests, with, no doubt, painful recollections of the time our sister-in-law and her infant came to stay and she, Amy, had to crawl out of bed on a cold winter's night to light the kitchen fire to warm the baby's food. All this to get a tumbler of hot water. One of the electrically-heated pans would have done the job quite nicely.

Then there was the time mother was ill and a glass of hot water was wanted to mix with a dose of medicine. It seemed ages getting that water and mother was in terrible pain. An immersion heater would have warmed the water in a few seconds. And there would be a fair amount of change left out of a guinea if one of these were bought.

By a length of flex and an adapter a kettle can be run off any bedroom light. We could really do with another electric kettle for upstairs, or an electric jug. They don't cost so much more than a guinea.

AN extra length of flexible cord to bring the radiator round into mother's bedroom would be a boon. She would never have those heart attacks we dread, if the room were not so chilly sometimes. Think of going into a warm bedroom every night. If you don't like parting with the radiator early in the evening have an extra heating point fixed and buy another radiator. A small one would answer the purpose. The heating-point need not be in mother's room, either. It can be put into the

nearest place, say the dining-room, or in the hall. Then, we can warm all the rooms in turn. But one thing we shall have to watch. The flex must be rubber covered, or else there might be trouble because of short-circuiting.

Do you realise that we haven't even an electric iron yet? Still plodding along with the old, what do you call

them?—sad irons. Sad, they certainly are. Well, if any of us win a guinea, I should think that state of affairs will be remedied. There is a hot-point in the kitchen.

THOSE breakfast-cookers and little hot-plates are useful, too. You get me up, Amy said, just to see you on your way in the morning. Well, other times, other ways in future. Just wait until one of those guineas come my way. You'll cook your own breakfasts then, and very easily, too. If more than one of us gets a prize, we must have a toaster as well.

Have you ever seen the bigger stoves, quick and practical, which work off the hot-point? She must look about when she is shopping! They cost from £3 to £5, but they cook a whole meal, and save all the trouble of lighting fires in the kitchen.

A LAMP in the hall, too, would be an acquisition, and a water-tight one over the gate. It is just on those tedious wet nights that we need a light to avoid the puddles. A guinea would buy either of these, I am sure.

An electric fan would be a good investment. Not only would it keep the rooms cool in summer, but we could dry our hair with it after shampooing, and use it to keep the flies out of the pantry.

A lamp with a proper reflector for the piano, to fix just above the music would be useful, and I really should like mother to have an extra light in her room. Somehow I think that would be the best way to spend the guinea. It would give her lasting comfort.

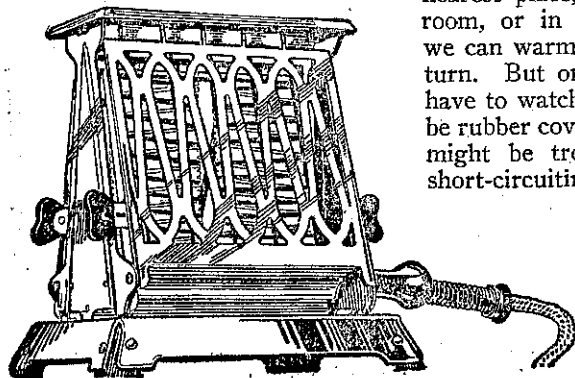
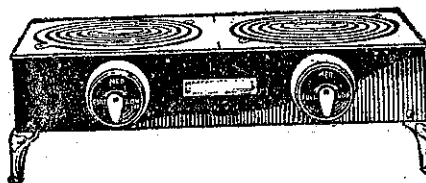
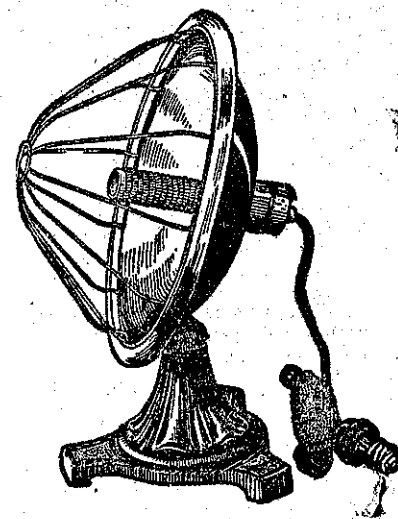
It would be splendid to have an electric motor for the sewing machine, wouldn't it? I am afraid it would cost rather more than a guinea, but, as we should all enjoy the use of it, we could all pay a little toward the extra. A waffle iron would be useful for tea and supper. We should have to join forces for that, but it wouldn't come to much extra.

A properly insulated portable lamp for putting the car away, and tinkering in the garage after dark, would be a safety feature.

AND then there is the radio! We had not thought of that. We all enjoy listening in, and surely a guinea would be well spent if invested in it. Our brother, who is a keen enthusiast, says we could get a much better speaker than we are using. Of course, it would be much more than a guinea, but we could all help to make up the remainder, he adds. Although we are not so sure of making up any remainders, still, there it is. I suppose he will get his own way—he usually does. Then there is that talked-of extension to mother's room—a pair of 'phones, wire, and a resistance, I am told, will suffice—that can be bought for a guinea. No peace for me! Everyone wants me to spend my guinea for them.

But there! I will have only one guinea to spend and I do mean to have something useful for the house, declares Amy, because I'm going to try out all these things before I get married.

Still waters run deep. Amy is the quiet one, but very deep. And what a lucky man the "ulterior motive" will be!



A WAR is being waged in London by ardent feminists against those restaurant proprietors who refuse to serve women unaccompanied by a male escort. On the face of it, it does appear ridiculous that a member of either sex, able to pay for a meal, should not be allowed to eat when hungry. The rule, however, is primarily formed for the purpose of sparing embarrassment to women customers.

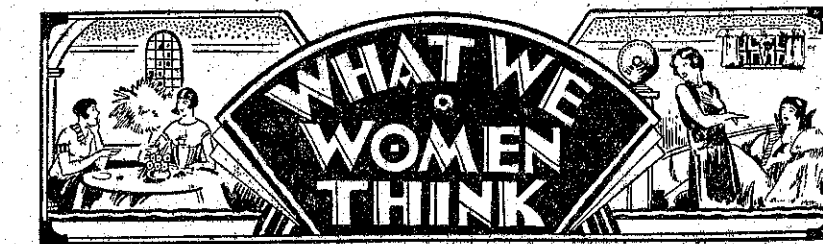
It reminds me of a remote, but select, restaurant in Cairo, where one dining-room is reserved for men. The proprietor, with a sad lack of punctuation, displays the misleading notice, "Not proper ladies to be admitted here."—E.T.C.

HOW little it takes to start a revolution! The Indian mutiny and the grained bullets were a case in point. The salt tax, of which we are hearing so much at the moment, bids fair to assume equal notoriety. It is not an impost new to India, but an ancient method of raising revenue, which the East India Company inherited from the Moghul Empire. Collected at first in Bengal, it was afterwards extended to other districts. The native peasants are great consumers of salt, as one of the condiments to correct the insipidity of their vegetable diet. The manufacture, which has diminished in some districts owing to the importation of foreign salt, is largely in the hands of private firms. Government agents are appointed, however, as the product is subject to duty.—Anglo-Indian.

WHILE listening to the Children's Hour at IYA recently, a little girl broadcast "Somebody's Mother." I think it is one of the most beautiful poems ever written. I admire the young lad so much as he pauses in the middle of his amusement to help the poor old lady over the crossing; then, rushing back to his comrades—some of whom very probably greeted him with jeers and laughter—he boldly declares: "She is somebody's mother, boys, you know. Although she is old and feeble and slow, And I hope some fellow will lend a hand To help my mother, you understand? If 'ere she be old and feeble and grey When her own dear boy is far away." It was a kind and noble action of which any parent would be proud; and I would ask nothing better than for a boy of mine to possess such a heart of gold.—Nada.

WHERE and among whom is loneliness most acute? It has long been a truism that one can be even more lonely in a crowded city than in a deserted village; but, first of all, loneliness must be defined. By it do we mean lack of human intercourse, or lack of intercourse with those to whom we are mentally and socially attuned? An overseas gathering has been discussing the question.

The case of a lighthouse-keeper was instanced. It was contended, however, that such a person was seldom lonely. There are duties to be performed, ships to be hailed as they pass, and the ever-changing sea for company. Another cited the case of a village priest, educated above his flock; and a third, that of a school teacher, in sole charge of some remote country school. In the last two instances, of course, a certain amount of ostracism is sometimes



suffered, because the lonely ones are felt to be "a cut above" their fellows, and not important enough for the society of the bigger people of the neighbourhood. Truly, it is a sorry thing to be "neither fish, flesh, nor fowl—nor good red herring." It would be interesting to know when some of us have felt at our loneliest.—(Inquirer.)

EXCUSES for non-attendance at school are often more ingenious than truthful. The following received at a Palmerston North school certainly bears the impress of truth.

"Please excuse Teddie being absent yesterday, as I wanted a little holiday at the races, and there would have been nobody at home to mind the kiddie." Well, well, even open confession is good for the soul, and the truth will out sometimes, even in an affidavit.

The Two Cities

WHERE sweep the storms and where the surges beat,
In all its pride of veined stone and brick,
A city slumber-wrapped lay at my feet—
A city of the Quick.

Above the din where blows the violet,
Where feet tread light, and kinder thoughts are bred,
Another city lies and grows, and yet
A city of the Dead.

I dwell in one—the other holds my friend—
I toil, whilst he toward perfection grows.
When shall I see him, coming round the bend
Of all the years? God knows.

—John Storm.

IT'S ill-living in a henhouse if you don't like fleas," said Mrs. Poyser in "Adam Bede." How many people stop to consider that to some it's ill-living in a modern house if you don't like radio. The generation that has grown up since the war has been reared on noise; sometimes music, sometimes not. It used to be: "Let's have a sing-song." Then followed, "For goodness sake put on a lively record." Now it is: "Twelve o'clock's struck. Turn on the wireless someone." Most owners of radio sets go through a stage when they turn the set on all the time for fear of missing something, and it is quite a surprise when one of the family who is trying to work out a bridge problem says despairingly, "I wish you'd turn off that infernal wireless." Like all good things, it is possible to have too much of it, and it is the older

generation who have not been reared on any cruder noise than the delicate tinkle of a piano, who feel it most.

Have you noticed the agonised expression of an elderly aunt who comes to tea and tries in vain to make her description of dear Dorothy's baby heard above the strains of the Kana-wha Singers, who urge her in no gentle manner to "keep in de middle of de road"? Radio is a priceless possession and it has brought endless interest and amusement into many lives, but do let

Contributions to this page should be on any topic of general interest to women. Paragraphs must be brief—about 150 words. Address "The Editor," Box 1032, Wellington. Space rates will be paid if clipping of contribution is forwarded to the Accountant. Unused MS. cannot be returned unless specially requested, and a stamped envelope enclosed.

us remember that there are times when it is kinder to "turn it off." More could be said on this subject, but the clock is striking three, and there is a football match in Christchurch to-day!—"Vane."

A SENSE of humour is invaluable at all times, but all the more so when a joke against oneself can be appreciated.

Rudyard Kipling tells the following story. During a stay in Wiltshire one summer he met little Dorothy Drew, Mr. Gladstone's granddaughter. As he was very fond of children, he took her for a long walk in the park and told her stories. After a time Mrs. Drew, who feared that Kipling must be tired of the child, called her and said: "I hope, Dorothy, you have not been wearying Mr. Kipling." "Oh, not a bit, mother," replied the child, "I have been letting him weary me."

And this from Bernard Shaw. The first production of his "Arms and the Man," as we all know, was a great success. When the curtain fell there were loud calls for the author. The audience were still cheering when Mr. Shaw appeared, but there was one man in the gallery who was booing all the time. Mr. Shaw looked up at the gallery and said: "Yes, sir, I quite agree with you, but what can we two do against a whole house?"—R.N.S.

SIR JAMES BARRIE has been lamenting the fact that, for some reason or other, his heroines never developed along the lines he intended. They insisted on remaining conventional and respectable, in spite of his desire to scandalise. Another eminent Scot, Robert Louis Stevenson, seems also to have had difficulty with the womenfolk of his imagination, for none of them are arresting or outstanding. To whose women, I wonder, should the palm be awarded. Some of Thackeray's

would be hard to beat, but surely those of George Meredith and Jeffery Farnol appeal strongly.—Bookworm.

THE year after Queen Victoria came to the throne, Sully, the painter, was commissioned to paint her Majesty's portrait. After three or four sittings, the painter told the Queen that he need not trouble her further if she would allow his daughter to sit in her Majesty's place. Being an experienced model, Miss Sully was accustomed to posing without moving for long periods at a time, all the more necessary when jewels are to be portrayed to avoid the play of light. The Queen readily consented.

Miss Sully was enchanted to hear that she was to accompany her father to the palace the next day, but, as most girls would have done in her place, bemoaned the fact that she had "nothing to wear"—only her black silk dress with green stripes. However, to sit in that she was obliged; moreover, on the Royal Throne and wearing the Royal Crown.

When the sitting had lasted some time, the double doors of the Throne Room were thrown open and the

AKAROA

"A Water-Colour"

ABOVE the sunny sea
A raincloud spreads her sail,
And hurries swiftly on
Before the coming gale,
Big golden drops splash down
Into the startled waves,
The sea-birds rise and fall
And seek their gloomy caves.
But from the sun's soft nest
Of gold-lined, cloudy down,
Reach warm-rayed, amber arms
To bless the red-roofed town.

—S.D.S.

Queen announced. Miss Sully relates that, on entering, the Queen gave her one glance, laughed, and dropped her the deepest of curtsies. Then the Queen laughed again and pointed to their dresses. The Queen's was also of black silk with green stripes, exactly like Miss Sully's own, except that the stripes were a little wider. Not pretty, but with a lovely complexion and bonny brown hair, parted in the middle and drawn into a large knot at the back, is Miss Sully's description of Queen Victoria in 1838.

The refreshments which the Queen ordered for Miss Sully consisted of wine, served in gilt crystal glasses with gold flagree holders, and cakes on gold plates. So many queen cakes were among the latter that Miss Sully asked her father if her Majesty were allowed to eat nothing but queen cakes.

Oyster Pie

Ingredients.—One heaped cup of flour, one salt-spoon of salt, one teaspoon of baking powder, one tablespoon of melted butter, one and a half cups of milk, oysters, flour, salt, pepper and cayenne for dredging, a little grated lemon rind and butter.

Method.—Mix salt and baking powder with flour, put melted butter with milk, and stir with flour, mixing as soft as can be handled. Roll out to fit top of dish. Fill a deep pie-dish with oysters, dredge each layer with flour, salt, pepper, dust cayenne, pinch of grated lemon, rind and butter. Cover with paste, leave an air hole in centre, and bake quickly.—Jose Masterman.

Orange Shortcake

Ingredients.—2½ cups flour, 4 teaspoons baking powder, ½ teaspoon salt, 1 tablespoon sugar, ½ cup shortening, 1 cup milk.

Method.—Sift flour and baking powder, salt and sugar; work in shortening, add milk, gradually mixing until a soft dough is formed. Turn out, divide into two parts, and pat down even. Bake in very hot oven (450 degrees F.), for 25 minutes. Put together with sugared orange sections, cover with sweetened whipped cream, and garnish with orange sections.—D. Pound, Greymouth.

Tongue Mould

Ingredients.—6 sheep's tongues, 3 hard-boiled eggs, 3 teacups veal stock, ½oz. gelatine, pepper and salt.

Method.—Cook tongues gently 3 or 4 hours till tender. Skin them; when cold cut in slices. Dissolve the gela-



O Sole Mio

—is a wonderful song when the dishes have been cleared away and you are sitting by a cosy fireside—but it isn't much of a help to the housewife preparing scones and cakes for the evening meal.

ANCHOR SKIM MILK POWDER

Now—there is something useful. Makes scones and cakes much lighter, gives them richer flavour, increases food value. Keeps them fresh for days longer.

From Your Grocer.

Price 1/2 Per Tin

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COUNSEL for the COOK

fine in some of the stock. Slice the eggs and garnish mould that has been dipped in cold water. Lay in the tongue and slices of eggs alternately. Season the stock, add the gelatine, and pour over the tongues. Turn out when cold and garnish with parsley.—(Please send address.)

Dried Prune Jam

Ingredients.—3lb. dried prunes, 3 quarts water, 8lb. sugar, juice of 2 lemons.

mixture into a greased baking dish lined with greased paper, and bake in a moderate oven for about 40 minutes, when cooked turn on to a sieve to cool, and when cool cut up into squares.—Electric Oven.

Baked Beets

Method.—Baked beets are so good that once one has eaten them prepared this way, one is never quite willing to go back to the old method of boiling. Select beets of regular size and scrub

THE prize of 5/- this week goes to "Rastus," of Invercargill, for "A Standard Sponge with Various Fillings":—

Ingredients.—½lb. butter, 6oz. soft sugar, 3 eggs, 1 teaspoonful baking powder, 1 good cup of flour, 2 tablespoonfuls of milk.

Method.—Beat butter and sugar to a cream, add eggs and beat again until thick and light. Add flour and baking powder, which have been well sifted. Lastly add the milk. Bake in sandwich tins in a moderate oven for from 25 to 30 minutes. When cold, put together with either raspberry jam or ice with butter icing, or use one of the following.

For Coffee Cake.—Add 1 tablespoonful coffee essence and 1 tablespoonful of milk instead of all milk, and ice with coffee icing.

For Orange Cake.—Add the grated rind of one "Sunkist" or other good orange, and cover with icing made from the juice.

For Chocolate Cake.—Add 2 dessertspoonsful of really good cocoa and one tablespoonful of raspberry jam. Use chocolate icing.

Walnut Cake.—Add chopped walnuts to taste and a small teaspoon of spice and half a teaspoon of cinnamon. Ice with butter icing and, sprinkle with chopped walnuts.

Cocoanut Cake.—Add half a cup of desiccated cocoanut and colour a pale pink. Use pink butter icing, and dust with cocoanut.

All these fillings are good and will keep for two or three weeks. If preferred, the mixture can be baked in one tin and iced on top, or all over.

Method.—Mash and soak the fruit for 12 to 24 hours. Bring to the boil, and boil steadily until quite soft. Remove stones, add sugar and lemon juice. Boil about 1 hour or until it jellies. Bottle while hot, and cover when quite cold.—"Blossom" (Waipawa.)

Baked Carrot Pudding

Method.—Rub ½lb. of cooked carrot through a sieve, add ½lb. breadcrumbs, ½oz. shredded suet, ½lb. sultanas, ½lb. currants, 3oz. sugar, a pinch ground cinnamon, 2 well-beaten eggs. Mix with a pint milk. Put all in a greased pie-dish and bake in a moderate oven 1 hour. This may be eaten hot or cold.—R.C.

French Gingerbread

Ingredients.—½lb. flour, ½lb. ground rice, 2 scant dessert spoons baking powder, ½oz. ground ginger, 1½lb. honey or golden syrup, 2 tablespoons milk, 1 egg, 6oz. butter, 1 lemon, ¼ teaspoonful grated nutmeg, pinch of salt, 4oz. almonds.

Method.—Sieve the flour, rice, baking powder, salt, ginger, and nutmeg into a basin, put the honey or syrup into a pan with the butter, and stir over a low heat till the latter has melted, grate the lemon rind, blanch and chop the almonds, and mix them with the flour. Stir in the honey or syrup and butter mixture, and the eggs beaten up with the milk; beat well, then put the

them well, taking care not to break the skins; rub them all over with a little lard or dripping and place them on a wire cake rack in a dripping pan. Bake slowly in a moderate oven—350 deg. F.—until tender all the way through, then peel and chop fine. Dress four good-sized beets in one tablespoonful of butter, one half-teaspoonful of salt, one-eighth teaspoonful of pepper, one teaspoonful of sugar and one tablespoonful of vinegar. Place over the fire to re-heat, and if desired thicken the sauce with a teaspoonful of flour mixed to a paste with a little cold water.—Miss Whitelaw.

Belgian Biscuits

Ingredients.—Three cups flour, one cup brown sugar, one cup butter, half teaspoon soda dissolved in half cup milk, one packet spice.

Method.—Beat butter and sugar to a cream, add the milk with soda, then flour and spice. Roll very thin and cut with a tumbler into shapes. When cold ice half the biscuits and stick two together with jam.—Winkles.

Curried Beans

Method.—Take two cups haricot beans, one apple, two tablespoons butter, one dessertspoon curry powder, one onion, one carrot, one cup water, or stock, tomato sauce. Soak the beans

overnight in plenty of cold water, drain them, then put in a saucepan with enough water to cover, and when they boil, drain them again, cover with boiling water, and cook slowly until tender. Chop apple and onion, and grate carrot, then fry them all in the butter. Put this mixture into a saucepan with the stock or water and stir in the curry blended with a little of the latter, add salt and tomato sauce to taste. Simmer for ten minutes then add the cooked beans. Make all very hot.—"Mary."

Ricot—A Friday or Vegetarian Dish

Ingredients.—One cupful rice, grated cheese, 1 onion, about 4oz. butter.

Method.—Boil the rice dry, as for curry, and when well cooked place a layer in a dish. Sprinkle well with cheese, then put another layer of the cooked rice. Place in oven to keep hot. Fry the onion in the butter until a nice brown, then pour over the rice and serve.—"Down South."

Parsnip Balls

Ingredients.—Six large parsnips, 2 eggs, flour, fat.

Method.—Wash, scrub, and half boil the parsnips and let them get quite cold. Next peel and grate them, or pass them through a sieve. Then mix them with the eggs well beaten, add enough flour to bind them, divide the mixture with floured hands, and roll up into small balls. Fry to a golden-brown in enough hot fat to cover the balls.—Whangarei.

Poor Man's Pudding

Ingredients.—One quart milk, 1 tablespoon rice, 1 tablespoon sugar, a pinch of salt, 2 or three dozen raisins.

Method.—Stir the rice, sugar, and salt into the milk. Place in oven and stir well every four minutes. When about half done, stir in the raisins, taking care to stir deep down into the dish each time. Time, about one hour.—Prudence.

Chocolate Pudding

Ingredients.—1½oz. butter, 2oz. sugar, 1 teacupful flour, 2oz. of grated chocolate, 1 egg, ¼-teacupful milk, 1 teacupful baking powder.

Method.—Beat together the butter and sugar, add the flour and grated chocolate, add the egg, well beaten, the milk, and baking powder. Well grease a basin or mould, pour in the mixture, leaving room to rise well, and steam for two hours.—Menier.

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Trials in Tact Competition

Last Problem of Second Series

Problem No. 10.—“Conventional Mr. A., loving Miss B., asks her to become his wife and share his ancestral home. Miss B. reciprocates his affection, but before accepting his offer, should she acquaint him with the closely-guarded secret that the highly-respected Mr. and Mrs. B. (now deceased) were her parents only by adoption?”—Suggested by “Ivy Sen.”

Answers must be postmarked not later than July 17, 1930.

THIS seems to me to be a case where to be forewarned is to be forearmed. I think, therefore, seeing that Mrs. A. and her husband are agreed, she should manage to acquaint her sisters with their feelings on the subject.

Problem No. 8, Solutions of which appear below.

Problem No. 8.—“Mr. and Mrs. A., who have been married three years, have only just managed to secure a home of their own. Mrs. A.’s two unmarried sisters are not able to get rooms for the money they can afford, and, although their present lodgings are not expensive, after paying for same there is very little left for other necessities.

“Mrs. A. hears that her sisters intend suggesting coming to live with her husband and herself. They were delighted to get a home of their own and to know that they would have it to themselves, as they were tired of living in lodgings, having waited three years before their visions were realised.

“She knows they will not feel happy with others in their home, and yet does not want to hurt her sisters’ feelings, by refusing them. Her husband would much prefer they did not come. What should she do?”

and this, without waiting to be approached, in order to save her sisters the embarrassment of being refused. It is Mr. and Mrs. A.’s home, for which they have worked, waited and striven; and they are not called upon to share

it with the sisters, especially as there are two of them. Indeed, I think that it would be most undesirable that they should do so. Nor would it be fair to Mr. A.

“I like best those answers that say Mrs. A. should tell her sisters how glad she and her husband are to have achieved their object, and expatiate on the advantages of having a little home to themselves at last. This should be sufficient to convey the state of affairs.

Several competitors say that they cannot understand the sisters making such a suggestion, but they may not be actuated by entirely selfish motives. They may feel that it would be a help to Mrs. A. to share expenses, or that they could render her assistance. In that case, it is all the more desirable that they should be spared making the suggestion.

Mr. and Mrs. A. naturally will show the sisters all the hospitality they can. They might be able to suggest ways and means to enable the sisters to achieve a little home of their own. Quite a number of competitors suggest that Mr. and Mrs. A. should help the sisters with gifts in money or kind. If they

are able to do so, well and good, but I do not think it should be allowed to affect their decision either way. Mrs. A.’s first duty is to study her husband’s happiness and to respect his wishes, apart from the fact that they coincide with her own.

EXCERPTS from some of the letters received read:—

“Personally I think Mr. and Mrs. A. are extremely selfish. They must have felt the need of money or they would not have had such difficulty in getting a home together. Where is the fellow feeling that makes us wondrous kind?”—“Ben.”

“The best thing for Mrs. A. to do is to get in first. Let the sisters know before they suggest coming to live with them that they wish to have their home to themselves.”—“Fanny.”

MARKS have been awarded as follows:—Anon, 5; Amaryllis, 3; Anice, 0; Artful, 5; Apple-Pie-Mary, 5; Ace, 5; Ben, 5; Bonza, 3; Clara, 5; Clericus, 5; Camp-fire, 3; Deerfoot, 5; Duplex, 5; Diabolo, 5; Devon, 3; Ecnan, 3; Effie, 4; Equity, 0; Fanny, 5; Frances, 0; Flirt, 5; Flora, 3; Grace, 5; Gunga-din, 0; Haven, 5; Heather, 5; Hopscotch, 0; Ivy-Sen, 4; Irene, 5; Iambic, 5; Jonquil, 4; Jimmy, 0; Mrs. Jones, 5; Kummel, 5; Kate, 0; Kia Ora, 3; Lucid, 3; Maybelle, 4; Nemo, 5; Natural, 4; Nomen, 0; Norah, 4; Never-never, 5; Nippy, 3; Mrs. Oldman, 4; Olivia, 0; Octopus, 4; Open-door, 3; Oneeny, 3; Pat, 3; Pumpkin, 5; Pansy, 0; Query, 5; Quince, 0; Radio, 0; Rosn, 4; Richmond, 3; Sardonyx, 4; Scylla, 5; Summit, 0; Thames, 4; Tuner, 0; Topaz, 4; Tommy, 3; Undine, 4; Unomi, 5; Vivat, 4; Viator, 4; Viola, 0; Verity, 5; Wynward, 5; Weaver, 0; Waterway, 3; Watchful, 0; Xerxes, 4; Xylonite, 3; Yum-Yumb, 0; Youngster, 5; Zenobia, 3.

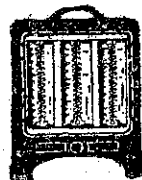
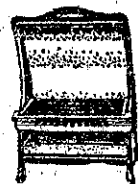
NOTE.—Mrs. Mason: Please read “unfortunately” for “fortunately” in my notes last week. Yes, it was hard lines; I felt at the time.—Saviour-Faire.

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Reduce Travel Costs

If the old saying, “Money Saved is Money Earned,” be true, then you EARN money by using 12-trip or 50-trip bearer tickets—respectively 12½ per cent. and 20 per cent. cheaper than ordinary fares. “Trip” tickets are obtainable at all stations, for travel between any two points, and have an unlimited availability. Being transferable, they can be used by yourself, your family, your employees, or your friends.

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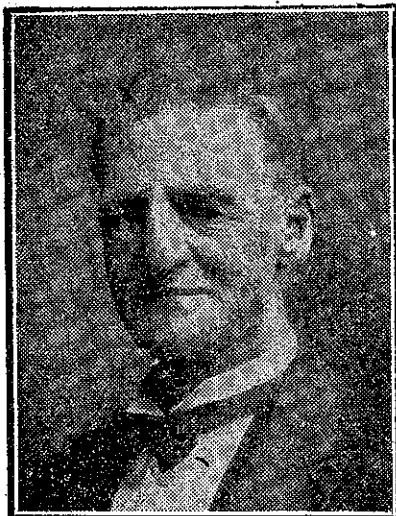
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Obituary

R. W. H. MOSES, one of 3YA's prominent artists, whose death is announced, was an elocutionist of note, and was a regular performer at the Christchurch station. He was a schoolmaster by profession, and had won many prizes at competitions for both elocution and singing.

Mr. Moses, who was aged 61, earned



an enviable reputation for himself in his younger days as an athlete. As a Rugby half-back he was a splendid defensive player and a wonderful goal kicker. In fact, during one season, while playing for Linwood, he converted 25 out of the 26 tries scored by his team in competition football, and 31 out of 32 tries scored by the team in all matches played that year. His record was all the more remarkable from the fact that he nearly always played without boots, and kicked most of his goals in his stockinged feet.

News and Views

AN all-electric receiver has been installed in a women's prison in Barcelona, and each cell has been fitted with a loudspeaker point. Prisoners who have earned good conduct marks may have the privilege of loudspeaker reception in their cells at certain hours.

FOR SALE OR EXCHANGE

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

PARTS for 4-valve set with 5 201A's and A.J.S. Speaker. All guaranteed, £3. Apply "Napier," c/o "Radio Record."

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

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

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

In the Early Days Next Week's Features

(Concluded from page 1.)

my Morse. "Next afternoon I got into touch with an Italian, and the following afternoon I was talking to 2LZ, England. . . ."

No wonder, then, that article after article has been contributed to the world's Press, dealing with what many writers have called the romance of radio.

Like many another amateur, Mr. Dawson rarely shook hands with Morpheus before three o'clock in the morning. None will deny that his achievements are not commensurate with the long hours he devoted to research. The short-wave set which the C. A. Larsen took to the Antarctic was a replica of the one used by the Government station at Awarua, a product of the skill and patient labour of Mr. Dawson.

On more than one occasion his little transmitting set at Ashburton was used for humanitarian objects.

One Sunday morning an Ashburton resident lay dying. A close relative was in Auckland at the time, but could not be warned because the post office was closed. Mr. Dawson realised the set he was then using could not hope to reach Auckland, but he nevertheless transmitted a call in the hope that someone would hear and relay it. A Wellington resident listening-in at the time heard the distress call from 3AL and sent a telegram immediately to Auckland, thus enabling the Auckland relative to leave by the evening mail train.

Commonplace to-day, maybe, but then . . .

Looking through a few clippings the other day, the "Record" observed some notes about another stalwart—Mr. Ralph Slade, who used to operate Z4AG, described then as "one of the best-known stations in New Zealand."

Of Z4AG it was said "the station was built strictly for work and not for appearances, and the way the parts are suspended tends to give one entirely new views on the supporting capacity of thin air." It would be amusing to hear Mr. Slade's views on his old station, and interesting to hear the stories of his early morning endeavours to reach some far away country.

How many of us, as we switch on our multi-valve sets, reaching with electrical fingers toward the transmitted beams of some foreign station, think, or even know, of those other days five, six or more years ago when the Dawsons, the Slades, the Bells, the O'Mearas, the Jacks, the Orbells slaved with enthusiasm—the enthusiasm which inspires people to lose their sleep to the common good?

DANCING lessons are now broadcast in Germany. The system in use is said to be highly efficient, and comprises a portable, numbered floor by means of which pupils can follow the directions given by the instructor. The floor is ruled into red and green squares and each division is numbered. The right foot is to be kept on the red squares and the left on the green. By obeying the detailed directions as announced, according to the numbers, the dancers soon learn the movements for a special step.

(Concluded from page 15.)

gan and Miss Zena Jupp. This programme will conclude at 10.30 p.m.

3YA's Programme.

AT 3YA the vocal portion of the musical programme will be provided by Mrs. M. Sierokowski (soprano), Miss Kathleen Johns (mezzo-contralto), Mr. W. J. Trewern (tenor) and Mr. K. M. Fountain (baritone). All the solos will be of a "popular" type and mostly well-known. One, "Idle Words," to be sung by Mrs. Sierokowski, is rarely heard nowadays.

"The Last Muster" and "Mona," to be sung by Mr. Fountain, are also two old favourites. Miss Lily Kinsella will give three recitations and humorous songs will be sung by Mr. Reg. Lamb. Miss Helen Macdonald's items will be piano syncopations.

A VARIETY PROGRAMME

From 4YA.

THERE will be an afternoon talk at 4YA on "Fashions."

"The Birds Go North Again," "The Captive Lark," and "Whatever is, is Best" are to be sung at 4YA by Miss L. de Clifford, soprano. Miss Irene Hornblow will sing "Love's Old Sweet Song" and three Negro Spirituals.

Mr. James Simpson and Mr. Jack Clark will sing popular tenor and bass solos respectively. Miss Tui Northey will recite excerpts from Jerome's famous humorous work, "Three Men in a Boat." The 4YA Trio will provide instrumental music. Beethoven's "Spring Sonata" will be played by Mr. Max Scherek (piano) and Mr. J. W. Wallace (violin).

SATURDAY

Auckland's Programme.

THE evening programme from 1YA will be the relay of a concert to

be given in the Auckland Town Hall by the Auckland Municipal Choir, under the conductorship of Mr. Maughan Barnett. Following this programme, dance music will be given from the studio until 11 p.m.

Maori Items From 2YA.

THE station will again be on the air at 10.30 a.m. The studio items in the evening session will comprise numbers by the popular Melodie Four, Mr. Will Bishop and Reno and Arta, the Xylophone Duo. In between studio items relays of Maori items at the Radio Exhibition will be broadcast. The usual dance programme will be given after 10 o'clock and the Sporting Summary at 11 o'clock.

3YA's Programme.

VARIETY is a feature of 3YA's programme this evening. There will be items by the Rose and Thistle Duo, singing at the piano with ukulele. Tenor solos by Mr. James Shaw will be "Farewell in the Desert," "I Know of Two Bright Eyes" and "Once Again." Mr. W. H. Inkster will sing "Asleep in the Deep," "A Throne of Roses" and "Thora."

There will be humour by Mr. Geo. Titchener. Instrumental music will be provided by the Studio Octet. This programme will be relayed to 4YA.

Guarded by Dog

BLIND ex-soldiers in Cologne are supplied with trained dogs to lead them, and admirably the dogs perform their duties. After dark, however, a mix-up sometimes occurs, as the dogs are not readily seen in crowded streets, and are kicked or trodden upon. With the aid of an inventive friend, one blind man has overcome the difficulty. His dog carries three electric lamps, one on the breast and one on each flank. The necessary current is supplied from dry batteries strapped to the dog's back.

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You cannot help having healthy hair if you use the new Electric Comb. In one week your hair will be totally different—full of high lights and colour, wavy, and full of life. Greyness goes, thin and bald patches are quickly covered, and after a while you have almost a new head of hair.



tooth, and sending back into your hair the electricity that should always be there, but which is exhausted. You know when your hair looks dull and lifeless—well, that is due to the lack of the latent electricity.

By means of the Electric Comb you can secure the benefits of "electric hair treatment" in your own home.

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THE NEW 1930

"RADIO GUIDE and CALL BOOK"

Can be of assistance in every home where a radio is operated. Written in an easy-to-understand manner, the technical articles may be clearly understood, whilst the Trouble Corner has helped to solve the radio problems of thousands in New Zealand. The call, sign, location, power, frequency and wavelength of over 500 stations are given in the call section which alone is worth the price of this Dominion publication. Below are listed the chapter contents. Glance through them!

Sectional Contents:

SECTION 1.—Yesterday, To-day and To-morrow: The story of broadcasting in New Zealand, told from an interesting angle—illustrated with photographs.

SECTION 2.—Beyond the Controls: Tells when the switch is turned how music and entertainment come from afar. The language is simple, yet nothing essential is left out. . . Deals with the modern set, and goal—selectivity, sensitivity and quality. There is a section on speakers covering four pages and illustrated by ten diagrams and pictures—and all new matter.

SECTION 3.—From Radio to Record: Devoted to the radio gramophone enthusiast . . . explains the "why" and "how" of electric gramophone reproduction.

SECTION 4.—Learning by Doing: The constructor's section. Knick-knacks that every constructor will delight to make. Transformers for every purpose; wave-traps and another crystal set. "A" eliminator; a pushpull to amplifier; home-built "B" accumulators; the two-valve A.C.

Browning-Drake with power detection; the D.C. Hammarlund Roberts brought up to date.

SECTION 5.—From Near and Far: The short-wave section, containing an A.C. adaptor and a D.C. receiver that will bring in 5SW (England) on the speaker.

SECTION 6.—Within the Vacuum: Explaining all about valves, with full tables.

SECTION 7.—Searching the Ether: Call-signs of every station—broadcast, short-wave and amateur likely to be heard in New Zealand.

SECTION 8.—When the Set Goes Wrong: Tracking troubles, with condensed schedules for immediate location of troubles.

SECTION 9.—Facts and Figures: Handy and unusual tables, with a gramophone speed indicator, all ready to clip out (there is nothing on the back).

SECTION 10.—Glossary: Considerably revised and brought up to date; all definitions are the essence of simplicity.

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Triple Screen-Grid Triple Performance

MIRACO'S tenth anniversary year—is truly a memorable one. First a single screen-grid model so outstanding that the entire season's quota was sold half way through the year. NOW a special MID-SEASON MODEL, entirely redesigned for better tone and even greater performance.

Such tremendous power as you have never believed possible, yet the touch of a velvety smooth volume control will reduce it to the sweetest whisper. The new MIRACO radio has that luxurious feeling of unlimited power, that "indefinable something" that is the hall-mark of the thoroughbred.

But, whatever its power, MIRACO will never sacrifice that perfection of tone upon which its reputation has been built. For ten years MIRACO has aimed at total perfection first and foremost. Now the NEW Tenth Anniversary Models bring you a colour and brilliance of tone that you have never believed possible in reproduced music. From the highest piccolo trill to the deep roll of the drum, every instrument in its true perspective, every voice the living voice of the artist—a perfection of balance that has won the instant admiration of the entire musical world. In a word, the new MIRACO radio is natural—natural as only MIRACO'S ten years of specialised experience can make it. Five minutes spent in hearing it yourself will convince you that here at last is that perfection of tone you have always longed for.

Any Miraco agent will be pleased to show you these new Mid-season Miracos.

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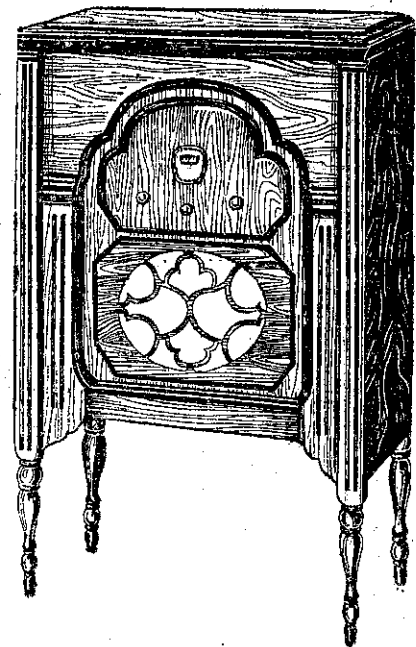
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Nine Valves---Triple Screen-Grid---Electro Dynamic

Mid-Season Model A.C. 9

Here is the radio you have been waiting for—a radio that is powerful, selective, extremely simple to control—a radio that will give you hours of trouble-free enjoyment, more particularly a radio that will give you that perfection of tone you have often dreamed of—Miraco Tenth Anniversary Radio is all this and more. Its nine valves, operating at full efficiency, give you super-sensitivity; its four tuned stages give you the station you want and that station only; its patented balancing method gives you absolute single control, the name of simplicity in tuning; its quality construction guarantees you trouble-free service; and, most important of all, its new Rola Dynamic Speaker gives you that perfection of tone that you have always longed for. And the console is of solid walnut throughout. Miraco Model AC9 is truly a radio for the connoisseur.

Complete in solid walnut console,

£52/10/-

Mid-Season Model A.C. 9 Radio-Phonograph Com- bination

Radio or Phonograph at the flick of a switch—and what a radio! What a phonograph! Tremendous undistorted power at your finger tips, full auditorium volume or the sweetest whisper at the turn of the knob. Radio power that you have never dreamed possible; phonograph performance that will leave you breathless—and a beautiful hand-polished solid walnut console of surpassing elegance and distinction—a piece of furniture worthy of the finest home.

Complete in solid walnut console,

£77/10/-

For those desiring quality radio at a lower price, Miraco offers the AC7, seven valves, including rectifier, housed in a beautiful walnut-finished console, complete at £39/10/-.