

PUBLISHED WEEKLY

THE RADIO RECORD



Vol. IV., No. 32.

WELLINGTON, FRIDAY, FEBRUARY 20, 1931.

Price, 3d.

HOME RECORDING!

IS your family musical? Do the children entertain you with their little songs and recitations? Have you talented friends? With Radiola 86 you can make "sound snapshots" of them all—capture voice and music in your very own gramophone records that will give you to-day's pleasures over and over again when the children have outgrown their baby repertoires and family and friends are scattered.

RADIOLA 86

SUPER-HETERODYNE RADIO-GRAMPHONE

And with this brand new feature, you get the very highest in radio entertainment . . . an instrument that is superb in tone, amazing in selectivity—Super-heterodyne—plus a mellow-voiced gramophone . . . an all-electric Radiola - Gramophone combination that brings you the utmost in musical entertainment for the home.

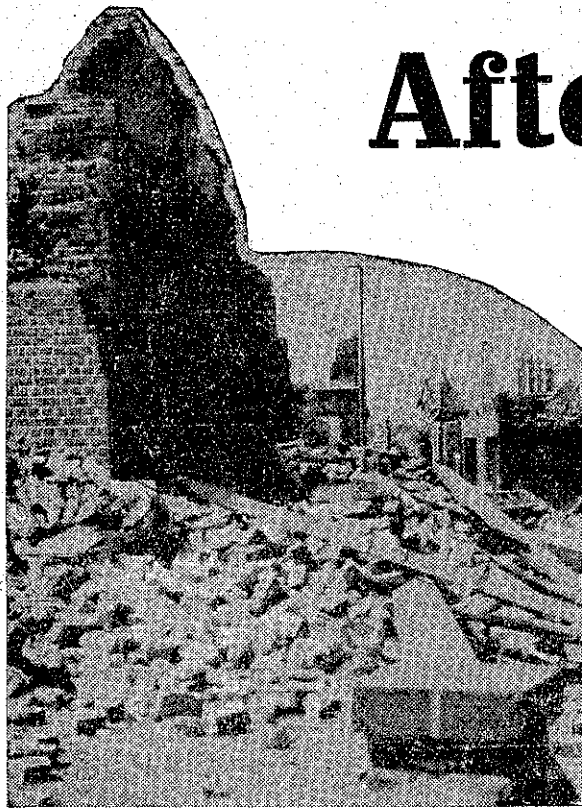
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Amalgamated WORLD WIDE WIRELESS **Wireless**
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cc

WELLINGTON.



After Havoc-- Rescue!

In the call for rescue following initial havoc, Philips equipment and service met all demands.

Throughout long hours the short wave apparatus rushed to the scene by Mr. W. M. Dawson transmitted vital messages for medical supplies and service. The Red Cross organisation in particular was helped thereby and invaluable aid rendered sufferers.

This performance was achieved with the

Special Series of PHILIPS 4-VOLT TUBES

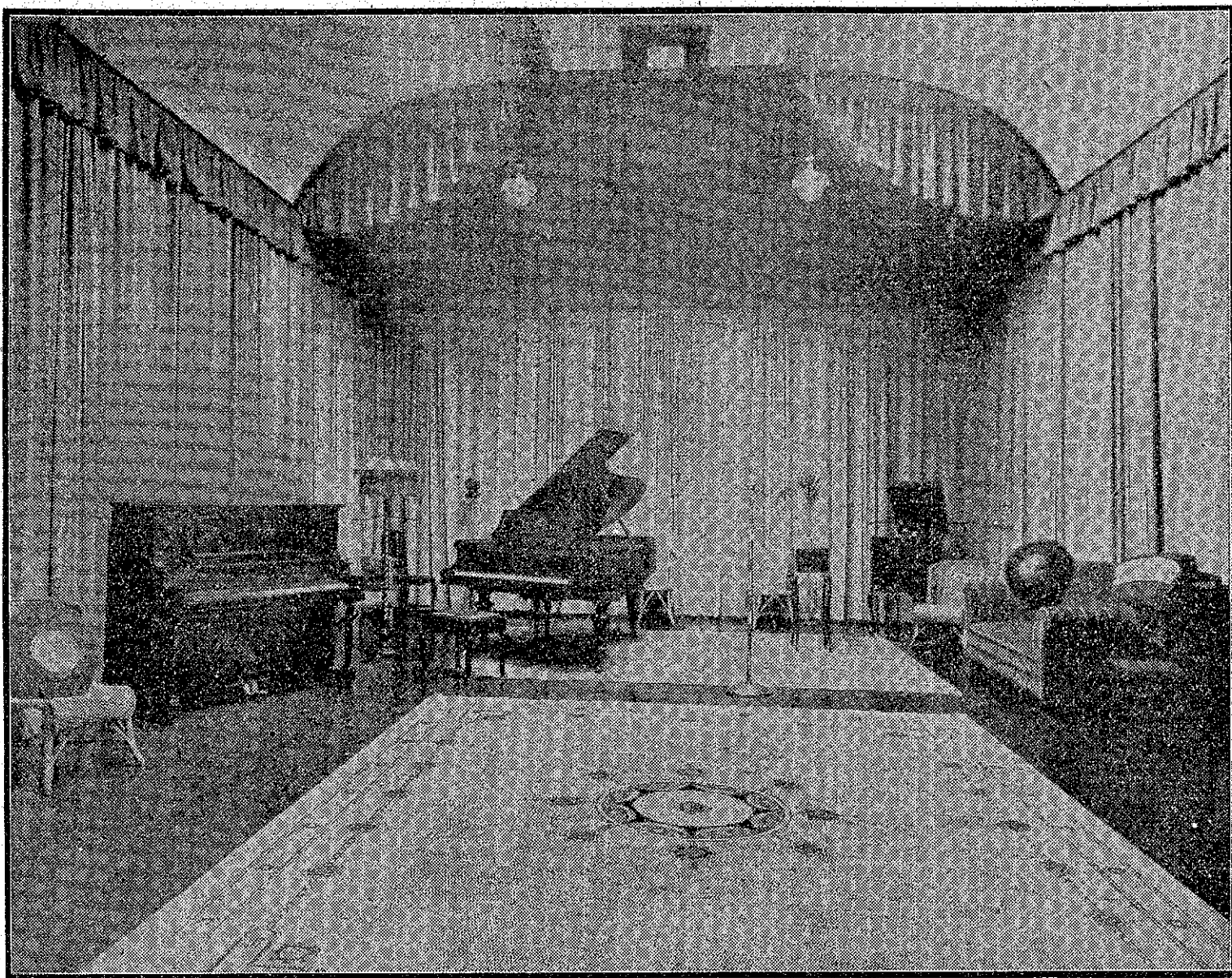
which gave 100 per cent. efficiency.

This Philips Dependability, so vital in emergency, has been won by years of research in Philips Laboratories and painstaking accuracy in manufacture.

FIT PHILIPS FOR SATISFACTION

PHILIPS VALVES

*Advertisement of Philips Lamps (N.Z.) Ltd. (Radio Division), Hope Gibbons Building, Courtenay Place, Wellington.
Auckland Office: Paykel's Building, Anzac Avenue, Auckland. Christchurch Office: 226 Tuam Street.*



"A large room hung with tasteful grey curtains with a blue and gold freize." The main studio at 1YA.

BEHIND THE SCENES AT 1YA

An Evening in the Studio

By "Call Up"

IN a recent number of the "Radio Record" listeners were taken into the announcer's room at 1YA by "Call Up," introduced to the announcer, and shown some of the behind scenes working of the station. "Call Up" now continues his tour of the station by taking listeners into the studio for an evening.

You are all familiar with the receiving set end of a broadcast, but most of you have never been in a broadcasting studio and have but a hazy idea of what such a place is like. One might think that almost any room would do for a broadcasting studio, but that would be a very wrong idea. A good studio has to be specially designed and furnished, for the question of acoustics is all important if the listener's reception of the items performed there is to be good.

In the large studio at 1YA, where we now find ourselves, we have an example of a very up-to-date and well-designed studio. It is a large room, comfortably accomodating a band or a choir of forty people, and was specially built for its purpose. The walls are hung with tasteful grey curtains with a blue and gold freize. Special acoustic pads are placed on the ceiling, and there is a minimum of furniture. There are no windows, except for one looking into the announcer's room in one corner, ventilation being provided by means of the ceiling.

This particular evening on which we find ourselves sitting in a quiet corner of the big room is to be devoted to a community singing programme by the 1YA Broadcasting Choir, conducted by station director Len Barnes, with Reg Morgan's orchestra assisting. In a semi-circle sit the choir (*Concluded on page 2.*)

Behind the Scenes at IYA

(Continued from page 1.)

facing the microphone and the conductor, the orchestra being in the centre of this semi-circle except for Mr. Morgan, who is at the piano close to the "mike."

It is some minutes yet before the time to commence, a gramophone record entertains listeners, and there is a steady buzz of conversation interspersed with the notes of instruments being tuned. Mr. Barnes is exchanging quips with members of the choir, there is a good deal of laughter, and everyone seems very happy. Then, "Ready please, boys," says the conductor. All eyes turn to the red light which comes on as soon as the studio is switched over for transmission. The light glows and the studio is on the air. Mr. Barnes greets listeners and announces the opening number "Abide With Me." The programme is under way.

A varied programme of songs follows including rollicking sea chanties, old marching songs, Scottish airs, and songs of long ago. In between items the breezy conductor keeps the studio, and, he hopes, the listeners, in continual laughter with his bright chatter.

Everybody in the studio, at any rate, is thoroughly enjoying the fun. As song follows song they seem to become more and more worked up until even "Call Up" (who usually confines such efforts to the bathroom) has to give voice to "Tipperary" from his unobtrusive corner.

While we sit watching these people sing and play in the comfortable studio it is intriguing to think of the thousands of scattered listeners who are hearing them in hundreds of different places—in lonely farmhouses, in the crowded city, on moonlit beaches, in spacious drawing rooms, in stuffy kitchens, in hospital, and in many other circumstances. All these listeners, rich and poor, happy and unhappy, sick and well, have something in common for a couple of hours, some sympathetic bond, for they are all listening to and probably singing the same old songs they all know and love.

Finally at 10 p.m. the final words of "Mademoiselle from Armentieres" ring out, "Good-night" call the choir to listeners, and the studio is switched off the air. "Hasn't it been a lovely evening?" says one of the choir girls enthusiastically, and that is typical of the spirit of this very jolly team of artists.

And here it is not out of place to remark on the special qualities possessed by such a programme as this community sing. There is little doubt

Man-Made Static

Severe Penalties in Belgium

BELGIUM seems determined to stamp out, as far as possible, all interferences to listeners caused by industrial motors.

Several towns have begun a campaign against "man-made statics," and the municipality of Ciney, in the province of Namur, has warned every possessor of electric apparatus that he is bound to put it, and keep it, in such a state as to cause no trouble to wireless reception.

A maximum penalty of seven days in gaol may be inflicted on those who transgress a second time. Similar measures are being taken in other towns.

that this is one of the most popular types of programme there is, and the reason for this is not far to see. Listeners can take an active part in such a programme by joining in the songs themselves. They are not mere passive "listeners," but active participants in a jolly sing-song. One imagines many happy little family groups singing with the loud-speaker the good old familiar airs, and if each such party is as happy as the one in the studio, well the programme is one hundred per cent. successful.

Another Enthusiastic DX-er

Claim Not Substantiated

THE Broadcasting Company receives many requests from overseas listeners for confirmation of their claims to have heard one or other of the YA stations. All manner of ruses are resorted to in order to procure the desired certificate.

By the last mail to all the YA stations came a letter from a young man in New Jersey, on the Atlantic Coast, which read:

"Please inform me if you were broadcasting on Sunday, December 21st, with church services. I am positive that I heard your station on about—(here he filled in the station's wave-length) at about 5.00 a.m. on date of 21st."

The writer was evidently under the impression that the YA stations were each separately owned, hence he sent the same letter to each. He listened in to four New Zealand stations at the same time! And he heard 500 watt stations in New Zealand when he probably cannot hear the more powerful stations located on the Pacific Coast. His astuteness in claiming to have listened in on a Sunday night, when it would be a certainty that church services were being broadcast in New Zealand, did not gain the reward he desired.

But not content with claiming to have heard the four YA stations on the same evening, he also writes to 3ZC Christchurch, 250 watts, reporting that on the evening of December 30th: "I heard what I believe was your station broadcasting." 3ZC was certainly on the air that day (Tuesday), as any log book would show.

By the same mail, IYA received a letter from another enthusiast in New Jersey, but he followed a different line of attack. He claimed to have heard the Auckland 500 watt station on a certain date and time. The items heard were mentioned and they were correct, too. Prima facie it was O.K., but unfortunately a comparison between the date of the letter and the date of the broadcast showed that there was ample time for the correspondent to have secured his information from a copy of the "Radio Record."

Since the day when the Broadcasting Company received two letters—one from the Pacific Coast and one from the Atlantic coast, 4000 miles across the continent—the writers claiming to have heard 2YA and quoting the same disjointed words from a speech they said they had heard, a grave suspicion rests on all Atlantic Coast DX-ers who claim to hear New Zealand stations. It is quite a common thing for the Pacific Coast to enjoy good reception of 2YA, but it is somewhat of an achievement for the radio waves to travel a further 4000 miles across land to the Atlantic shore. The fact that only a sentence or two out of a speech should have been quoted by the two correspondents pointed to only one conclusion, and that was that the radio fan on the West Coast had communicated (probably by telegraph) with his friend on the East Coast.



BE A BRITON!

POSITIVE PROOF!

"I am not only pleased but delighted, with the result, and I am absolutely confident that when I sent for your Excelling Course I made the greatest investment I ever made in my life."

—H. GUMPTON, Napier, N.Z.

"I have put on nearly a stone in weight." — L. THOMPSON, W. N.S.W.

"My chest has already increased over four (4) inches. I must say that I have made wonderful improvement in my development since I have taken up your course." J. W. PATERSON, L. Vic.

"I have gained 2½ inches around the chest. I am well satisfied, and think it most easy to understand, and do."

—R. EDWARDS, P.F. Vic.

"I am satisfied your system is what you claim it to be." — J. J. HENRY, H. N.S.W.

ALFRED J. BRITON

Dept. R.R., 107 PITT ST.,
SYDNEY, N.S.W.

MAKE THIS TEST TO-NIGHT!

BEFORE you hop into bed to-night, try this: strip down to your birthday suit and stand in front of your mirror. Look yourself over. What do you see? A fine, upstanding specimen of a MAN, splendidly proportioned, superbly muscled, glowing with health and vitality? Or do you see a flabby, sickly sort of fellow, with sunken chest, bloodless looking flesh, scrawny arms, neck and legs?

WHAT I CAN DO FOR YOU IN JUST 30 DAYS!

In the first 30 days I guarantee to add one whole inch of real live muscle on each of your arms, and two whole inches of rippling strength across your chest. I'll take the kinks out of your back, strengthen and broaden your shoulders, give you a wrist of steel, and a fighting, powerful personality that just yells youth, vigour and vitality all over. I've done it for hundreds, and I can do it for you!

I WANT YOU FOR 95 DAYS!

What I will have done for you in 30 days will be nothing to what I shall do for you in 95 days! I am not called the "Man-maker" for nothing. My system scientifically builds real muscle faster than you ever imagined. I'll make you a healthy, forceful, red-blooded he-man. I not only say this—I'll guarantee it!

"SECRETS OF MUSCULAR STRENGTH"

Is the greatest book ever published on the subject. Crammed full of amazing photos. It will show you the short-cut to great strength and development. You don't want to remain in the ORDINARY class now. Get this book and be a super-man! It's FREE!

RUSH THIS COUPON ALONG—NOW!

ALFRED J. BRITON, Dept. R.R.,
107 Pitt Street, Sydney, N.S.W.

Dear Sir,—Please send me absolutely FREE and without any obligation on my part whatsoever, a copy of your latest book, "The Secrets of Muscular Strength and How to Acquire it." I enclose 4d. in stamps for postage."

NAME

FULL ADDRESS

STATE

(Please Write or Print Very Plainly)



IT
IS
FREE

Special Earthquake Relief Concert

Broadcast by 2YA

February 23



SPECIAL concert will be given in the Wellington Town Hall on Monday, February 23, at 8 p.m., under Vice-regal patronage, which his Excellency, Lord Bledisloe, has been pleased to extend in recognition of the merits of the cause. This concert is to be specifically of a radio character, and is designed to enable radio listeners in Wellington and throughout the Dominion to show their sympathy in a practical way with the sufferers. The whole of the programme will be broadcast by 2YA, including a special appeal at the interval by his Worship the Mayor, Mr. G. A. Troup.

The programme may safely be described as constituting one of the finest popular concerts ever presented to the Wellington public. Artists of the highest calibre have been glad to render their services gratuitously; and the organisers of the programme, Mr. Victor S. Lloyd, in conjunction with Mr. Leon de Mauny, may be congratulated upon presenting so excellent an array of talent. The business organisation in connection with the concert is being undertaken by the "Radio Record" in conjunction with a committee representative of the Wellington Advertising Club and radio interests. The charge for admission will range from 1/- up to 4/- for reserved seats, but, in addition to the charge for admission, a collection will be taken at the interval, to which it is hoped generous response will be made.

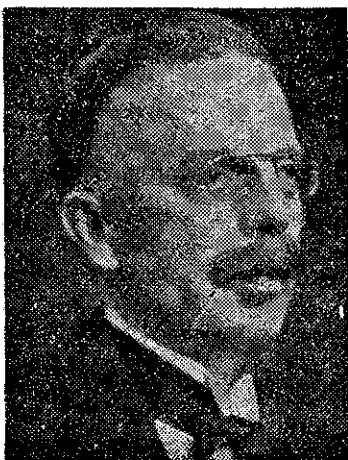
In order that radio listeners enjoying the concert may contribute their quota, the "Radio Record" will be pleased to receive contributions, which may be forwarded to P.O. Box 1032, Wellington, for addition to the funds. All contributions will be duly acknowledged.

The Orchestrina.

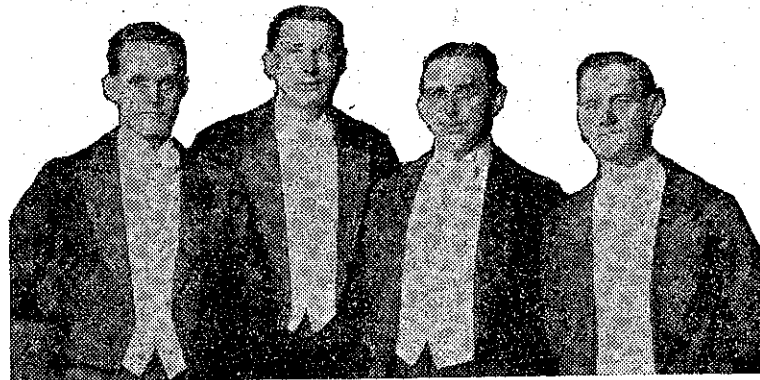
THE Orchestrina needs no introduction. Playing under the baton of Signor A. P. Truda, this combination broadcasts regularly from 2YA, and will take a prominent part in the special concert.

Leon and Evelyn de Mauny.

WHEN seven or eight years ago Leon de Mauny came with his family to Wellington it could not be



LEON DE MAUNY.



The Melody Four—Sam Duncan, Frank Bryant, Sid Alright, Wally Marshall.
—S. P. Andrew, photo.

Programme:

1. Slavonic Rhapsodie Friedman
2YA ORCHESTRINA (Augmented),
Under the direction of Signor A. P. Truda.
2. Had You But Known Denza
W. ROY HILL
Violin obbligato by Mr. W. McLean.
3. Ballade in A Flat Chopin
Pianoforte: MADAME EVELYN DE MAUNY.
4. (a) Sleep, Gentle Lady Bishop
(b) Heigh Diddle Diddle Herbert
AERIAL SINGERS.
5. (a) Andante Gluck
(b) Butterflies Popper
'Cello: CLAUDE TANNER.
6. "The Musical Barber" Lee
Humour at the piano by Assheton Harbord.
7. Selection from "Madame Butterfly" Puccini
2YA ORCHESTRINA (Augmented).
8. "She Was No Lady" Harold Brighouse
A Comedy in One Act.
Scene 1.—Sir Alfred's study in his sumptuous mansion
in Park Lane.
Scene 2.—A room in an empty house in Deanery Street.
Twenty minutes later.
The time is the present.
Cast:
Sir Alfred Pickles, K.B.E., M.P. Victor S. Lloyd
Henry Learmouth (a private inquiry agent) H. A. Paynter
Lady Pickles Elsie Lloyd
Mrs. Graveney (a caretaker) Susie Paynter
9. Hindoo Song Bemberg
MRS. WILFRED ANDREWS.
10. Hejre Kati Hubay
Violin: LEON DE MAUNY.
11. (a) Cornfield Medley Holloway
(b) Sing a Little Love Song Conrad
(c) Selected
MELODIE FOUR.
12. Rhapsodie Russe Nussbaum
2YA ORCHESTRINA (Augmented).
Accompanist - - MADAME EVELYN DE MAUNY
God Save the King.

said that the city was greatly flourishing in a musical way. Nor can it be said that Leon de Mauny and his indefatigable and musicianly wife set themselves consciously to raise Wellington's musical standard. Nevertheless, that in effect is what they did. Working quietly, co-operating with other Wellington musicians, and bringing new ideas, Mr. and Mrs. de Mauny have risen to high honour not only in the city but in the Dominion's musical community.

Leon de Mauny is a graduate of the Liege Conservatoire, although the greater part of his orchestral experience has been gained in London, under such eminent musicians as Sir Thomas Beecham, Sir Henry Wood, Sir Landon Ronald, Felix Weingartner, Safinoff, and the late Arthur Nikisch. Since coming to Wellington he has established himself as one of the finest violinists in New Zealand, and has founded and directed the Wellington Symphony Orchestra.

Madame Evelyn de Mauny has followed a successful career at the Guildhall School of Music and the Royal Academy by a yet more successful career as a concert recitalist, accompanist and teacher. Her services in the cause of music in Wellington are too well known to need further mention here.

Both of these musicians will next be heard at the Town Hall. Mr. de Mauny will play Hubay's brilliant "Hjere Kati," and Madame de Mauny Chopin's "Ballade in A Flat."

Mrs. Wilfred Andrews.

MRS. WILFRED ANDREWS for long now has been recognised not only as one of Wellington's leading
(Concluded on page 6.)



W. ROY HILL.

The New Zealand Radio Record

—AND—

Home Journal

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX. 1032, WELLINGTON.

Published Weekly. Price 3d. Subscription Post Free in advance, 12s. 6d. per annum; 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, FEBRUARY 20, 1931.

THE SERVICE OF 2YA.

THE outstanding event in radio circles is unquestionably the service rendered by 2YA in connection with the earthquake disaster. In this time of national emergency it proved itself a perfect clearing-house for information and an incomparable centre for the dissemination of instructions facilitating all phases of rescue work. As the need developed, all agencies that required this service turned naturally to 2YA, and speedily announcements from such diverse authorities as the Post and Telegraph Department, the Railway Department, the Transport Department, the Salvation Army, the Y.M.C.A., the Red Cross, St. John Ambulance, the Wellington Automobile Club, and many other organisations, were concentrated upon it. Putting over the air these announcements enabled remedial measures to be applied infinitely more effectively than could have been secured by any other means.

EVEN more impressive service, however, was rendered the general public by the detailed help given in tracing missing friends and locating their whereabouts among the refugees from the affected area. Inevitably, in the first stages of the evacuation, records of the location of each person were incomplete, with the result that extensive inquiries became necessary to locate individuals and restore the circles of families and friends. A special tribute to the whole of the staff of 2YA is due in this connection. The long hours imposed by unceasing inquiries were faced without hesitation. The telephones of the station for all practical purposes never ceased over the days concerned in the rush period. Unfailing attention and courtesy were given to all, and as the broadcast inquiries brought telephonic and telegraphic response, steps were taken, not only to broadcast the information received, but to directly inform the original inquirer. 2YA thus became a centre of social work of the utmost importance. Many touching and direct messages of thanks have been received at the station, but apart from these, in thousands of homes the will may be taken for the deed. Inevitably perhaps, there have been those who have thought the earthquake matter was being overdone, and messages indicating impatience and the desire for the restoration of the ordinary routine were not lacking. On one Saturday night, for

instance, some listeners voiced their impatience that the cause of suffering should have precedence over "their dance music." That such individuals suffered from lack of perspective and a proper appreciation of the need of "first things first" is perhaps the kindest way of regarding their action. The extent of the disaster is only gradually becoming fully appreciated, and the need for sympathy, understanding and practical help is still imperative. As a means of showing their practical sympathy a number of leading radio performers are combining to give in the Wellington Town Hall, on Monday, February 23, a public concert under the auspices of the "Radio Record." This venture is commended to the goodwill of the Wellington public and all listeners further afield. Listeners unable to attend are invited to forward contributions to the "Radio Record" for addition to the funds of the concert.

Opening of Vatican

Speeches Rebroadcast

IN the early hours of Friday morning last the YA stations carried out a rebroadcast of the new short-wave station in Vatican City. This station is one of the most powerful in the world. The official opening ceremony was performed by his Holiness the Pope, who sent a message to the peoples in all parts of the world.

His address was couched in Latin and reception in New Zealand was exceedingly clear and strong, as was also the speech made by Senatore Marconi.

Unfortunately for New Zealand listeners by the time interpretation into English began daylight conditions had caused the signals to fade.

The broadcast from Vatican City and rebroadcasts were another epoch-making event in the history of radio.

Reminiscent of Early Days

Talk from 3YA

MENTION of the name of Mr. Te Ari Pitama, who is scheduled to lecture from 3YA on "The Evolution and Development of Maori Music," recalls the raid which the bloodthirsty Te Rauparaha made on the pa at Kaiapoi (Kaiapohia) over a century

Lord Baden-Powell

FOLLOWING are the broadcast in connection with the visit of Lord and Lady Baden-Powell to Wellington next week:—

Friday, February 27.—Civic reception in Wellington Town Hall at 8 p.m.

Saturday, February 28.—Scout and Guide Rally in Basin Reserve at 2 p.m.

ago. On that occasion the North Island chief, by his usual cunning, succeeded in capturing the pa and massacring nearly all the occupants. One who was made prisoner and who later escaped was Mr. Te Ari Pitama's grandfather.

Mr. Te Ari Pitama is a journalist, educated at Christ's College. His lecture at 3YA will be illustrated with musical numbers.

IYA Musical and Dramatic Committee

THE IYA Musical and Dramatic Committee met on Tuesday, February 10, Mr. A. B. Chappell, M.A. (representing the Dickens Fellowship), presiding. There were also present: Miss G. Bertram (N.Z. League of Penwomen), Mr. J. F. Montague (Auckland Comedy Players), Mr. Karl Atkinson (Auckland Piano Students' Association), Mr. F. M. Price (Aeolian Orchestra), Mr. E. Blair (Workers' Educational Association), Mr. C. B. Plummer (Auckland Choral Society), Mr. L. C. Barnes, Mr. H. C. Trim. An apology for absence was received from Mr. L. E. Lambert.

Appreciative references to the manner in which the staff of IYA had carried out their duties in connection with the earthquake disaster were made, and officially recorded.

The resignation of Mr. T. T. Garland and Mr. J. Tait were received with regret. New representatives will be appointed by the societies concerned. In connection with the recent song writing competition conducted by the committee, the station manager was asked to make arrangements for the prize-winning song, composed by Mr. Eric Waters, to be sung from IYA.

The chairman outlined the arrangements which he and the station manager had made in the spelling bee, to be held at IYA on Friday, February 13.

The station manager, referring to coming programmes, mentioned that the choir would give a special programme on March 31, when the "Messe Solenne" would be performed, also some choruses from "The Messiah." On March 10 Miss Kitty Camplin and Mr. Ralph Eskridge would give recitals.

Mr. Blair reported that the W.E.A. was preparing a schedule of lectures. Mr. Barnes reported that the "New Zealand Programme" was in hand. In regard to the inter-college debate, this depended on whether a relay line was available. Arrangements had been completed in connection with the visit of Lord and Lady Baden-Powell.

Clearing the Ether

AT a London meeting of the Institute of Radio Engineers it was predicted that, as a solution to the problem of clearing the broadcasting ether of its present congestion, the use of a limited number of 1000 kilowatt broadcasting stations would become a recognised necessity.

YOU CAN'T BUY A BETTER VALVE THAN

Mullard
THE MASTER VALVE

News by Radio

Growing Use in America

RADIO is becoming used more and more by prominent newspapers for the collection of news. The paper which is giving the lead in this direction is the "New York Times." Recently, in a full-page advertisement, published in a number of other papers throughout America, this paper outlined the steps taken by it for securing by radio prompt news of world events for its services.

The "Times" maintains its own highly equipped radio news room, and receives nightly Press despatches from Rome, London, Berlin and Paris, Warsaw, Jerusalem, Moscow, Madrid, Geneva, Cairo, Istanbul, Athens, Helsingfors, Sofia, Budapest, Bucharest, Calcutta, Vienna, Dublin and Copenhagen, which are relayed by radio from London. From Paris, radio despatches are received covering news from Brussels and Lisbon.

The "New York Times" claims to have received direct radio messages from the Byrd South Pole Expedition; Kingsford-Smith trans-Atlantic and trans-Continental flight; Lindbergh goodwill flight to Mexico, Central and South America; Byrd North Pole Expedition and his trans-Atlantic flight; the Yancey Bermuda flight; Putnam North Greenland Expeditions; special test messages from Australia; Dyott's Expedition to the River of Doubt; Hobbs' Greenland Expedition; Grenfell Missions to St. Anthony and Labrador; Stoll-McCracken Expedition to Northern Siberia; Hassell-Craner attempted flight to Stockholm; Prospector's Expedition to Canada; Unflin Bowler 'plane, Chicago to Sweden attempt; President Calles' statement from Mexico City when insurrection threatened; Graf Zeppelin at Pernambuco on the American flight; the Yancey goodwill flight to South America; the Bartlett Greenland Expedition and the Dallas Spirit entry in Dole trans-Atlantic flight, in which it intercepted the S.O.S. when the 'plane went into a tail spin.

Historic Radio Station

Discovered on Long Island

A **DESERTED** shack which for years has stood neglected on Long Island, U.S.A., has been suddenly discovered to be of great interest as an historical landmark of the early days of wireless.

It has been identified as one of the first wireless stations in America, and was used by Marconi in 1900. The building has now been removed, and an effort will be made to restore it to its former condition as a wireless station. It was in the late autumn of 1900 or early in 1901 that Marconi located his Long Island transmitter near the coast line, where his wireless station might have best communication with incoming vessels while they were still some distance from New York Harbour. During the years that followed the building was abandoned for larger quarters.

Galapagos---Lost Isles of the Pacific

Stirring Broadcast from 4YA

THE stirring sea story of "Galapagos" will be broadcast by 4YA on Friday, February 27, by a strong cast of characters under the direction of Major Lampen. When first presented to an American radio audience "Galapagos" created a sensation, its echoes reaching even New Zealand.

This occasion was noteworthy because of the fact that Martin, "Red" Christiansen himself, told the story of his experiences at Galapagos. He is a taxi-driver in New York.

In introducing Christiansen to the radio audience, the announcer explained how one morning he had been sitting in his car reading a paper, when he chanced to see in the news that William Beebe was homeward bound from the Galapagos Islands, one of the lost places of the Pacific.

Christiansen read that item and rushed down to the dock so that he might greet the only man he had ever heard about who knew those islands. Christiansen was on the dock when the explorer arrived and the story he told Beebe afterward constituted a rattling good chapter in the explorer's book about those islands. All of that explanation was packed into a few sentences by the announcer, who then turned over the air to Christiansen, and let him speak for himself. He was the sort of man fully capable of that effort and proceeded along this line:—

"Well, I suppose the story begins when I signed up with the barque Alex-

ander, down on the other side of the world. That was at Newcastle, New South Wales, in Australia. The Alexander was loaded with a cargo of coal bound eastward across the Pacific for Panama. She carried a captain, mate, cook, and sixteen of us men.

"I had been living in a sailor's boarding-house, run by Nellie Simonds. The day we shipped, Nellie rowed out in the bay and brought some refreshments along as a parting gift. I don't mind telling you that her brand of refreshments made a bigger hit with us than the stuff we had to drink before we got through that voyage. As the tug took hold and started off, we sang to her, and she sang back. It was a happy send-off."

Before Christiansen stopped talking, there was hardly a radio ear in some thousands of miles that was not a-quiver with his story about those forsaken islands and the things that happened there. It was such a yarn as Stevenson would have liked to spin. A listener could experience for himself all the heartache, thirst, and peril that went into the sailor's adventures. In the end, it was pleasant to know that he had adopted the comparatively easy and safe pursuit of driving a New York taxi-cab, although many men of a less eventful past might call that high adventure.

Major Lampen will take the part of Christiansen in the 4YA presentation.

Of Topical Interest

(By "Switch.")

"**SWITCH**" listened to the re-broadcast of the Pope's address from the Vatican, per medium of 2YA, 1YA, 3YA, 2FC Sydney, 2NC Newcastle, and 3LO Melbourne. 2YA, while on the job, was as clear as any, but Christchurch with its mysteriously superior local advantages for shortwave reception, was reproducing a speech from Rome, on one occasion, when 2YA had to substitute gramophone records until speech became audible once more.

"**ADVICE**" (Kelburn) asks: "Are these mantel-clock types of a.c. receiving sets, with loudspeaker combined, built of high-class components?" This new type of set is now being manufactured by many American radio factories, including those of the foremost radio companies in the United States. As in the case of other types, these sets vary in efficiency. One should be guided by actual tests, price, and the name of the manufacturers.

"**SWITCH**" congratulates the ringside commentator at the Johns-Leckie fight at Auckland, whose excellent description of the bout was heard by him

from 1YA, Auckland. His commentary was excellent, and listeners were able to obtain a vivid idea of the contest throughout. The egotistical "side-talk" which has marred some of these boxing relays was completely absent. Listeners resent being told that the commentator is feeling very warm, and that he hopes someone will bring him a drink.

"**SCREEN GRID**" (Opunake) writes: "I watch with interest your weekly reception table of Australian stations, and in forming you a table of the same stations as heard here, I wonder whether it is possible to publish similar lists from other localities. It would be very interesting to see how the various stations listed are heard in different parts of New Zealand:

2FC	10	3LO	7½	3DB	4
2BL	9	3AR	7	2KY	4
2NC	9	2GB	7	5OL	3
4QG	8	2UE	6½	6WT	2½
7ZL	7½	3UZ	5½		

"My list, which is average reception, here differs a good deal from yours, and demonstrates that locality has a big bearing on reception. 2HD, Newcastle, 3LO, Launceston, 2AY, Albury, and several other small Aussie stations are heard as clearly as 2KY." "Switch" would be interested to learn how the stations he lists are received elsewhere.

3YA Musical and Dramatic Committee

Economic Talks

A meeting of the 3YA Musical and Dramatic Committee was held on Wednesday, February 4, Mr. T. W. Dent (representing the Orchestral Society) presiding. There were also present: Mr. W. H. Dixon (Royal Musical Society), Mr. R. J. Loughman (Male Voice Choir), Mr. S. Williamson (Professional Musicians), Mr. F. A'Court (Harmonic Society), Mr. J. Mackenzie (Station Director), and Mr. C. S. Booth (Administration Office).

Before commencing business a resolution expressing sympathy with the sufferers in the earthquake was carried.

The work of the station, and of the other New Zealand stations, was reviewed. Mr. Mackenzie stated that up to date, eleven open-air concerts had been held by 3YA, with satisfactory results. They were widely appreciated by the public and they broadcast well, although the people attending the concerts frequently had some difficulty in hearing the vocalists. As a result, the amount of instrumental music had been increased and the vocal reduced. The open-air concerts now also concluded at 9.30 p.m. and were followed by half an hour's gramophone recital from the studio.

The committee gave some attention to talks, particularly such talks as would be appropriate to the present time. It was suggested that talks by recognised economic authorities, explaining to people the nature of the slump and how the economic situation will right itself, would help materially to lift people out of their state of mental depression and infuse a spirit of optimism.

A recommendation to this effect was passed and the names of several speakers were suggested.

It was announced that an Alfred Hill programme would be presented on March 5, provided all the music is procurable.

The question of the Broadcasting Company's Subsidy scheme was referred to and much approval expressed.

Mr. Dixon: "From our point of view we have been very glad of the opportunity of interesting the people by broadcasting, and also the assistance financially has been very acceptable. I am quite sure, as far as we are concerned that it will do a great service if it is continued. Mr. Williamson and I mentioned in the paper last week how helpful the Company had been with their subsidy, in assisting us not only in educating the people musically but also in helping the local organisations."

Chairman: "Speaking for the Orchestral Society, I may say that if it had not been for the Broadcasting Company, we would have been in the bankruptcy court, if it is possible for a society to be so."

A **LEAGUE** is to be formed in Canada to combat a growing tendency of wireless programmes to develop along American lines.

ALL the Italian stations commence their broadcasts with a gramophone record of church bells intermingled with organ and orchestral music.

B Stations and Copyright

Misleading Statement

WE are given to understand that a statement in the daily press (and accepted by us in good faith), allegedly emanating from the secretary of the recently-formed Association of B Class Stations, to the effect that arrangements have been made between the Australasian Performing Rights Association and some groups of the stations for a resumption of operations, is not fully correct. It is understood that an agreement has been reached between the Manawatu Radio Society and the copyright people in respect of the operation of the Palmerston North station, the basis being the payment of a fee of ten guineas to the end of the current year. Information available to us is to the effect that finality has not been reached in respect of the position between B class stations and the copyright authorities, but that the result of a deputation from the association to the Postmaster-General was general advice that the members of the association would be well advised to make the best arrangement possible with the Australasian Performing Rights Association.

New Telephone Device Records Messages on Tape

TELEPHONE users in Belgium and Switzerland now may leave a message for the person called if he is absent when his telephone rings.

The attachment which makes this possible is called a "telephonograph," and is a combination telephone and telegraph instrument on which the person calling, by means of a prearranged system of code, can signal a message to the absent party. This message is recorded on the automatic telegraph apparatus attached to the telephone, and is transcribed on a tape unrolling from the recorder.

Another advantage claimed for the system is that in the event of it being difficult to understand a distant speaker, owing to a faulty wire, it will be possible to transmit the message on the ticker. Important letters and documents could also be transmitted in this way, and discussed simultaneously.

Impending Radio Picnics

Elaborate Preparations by 3YA

YOUNG radio listeners of Christchurch, together with their parents and friends, will be looking forward to next Saturday, February 21, when the radio picnic organised by the Radio Broadcasting Company is to take place.

The picnic is primarily intended for the entertainment of the young artists who have assisted Aunt Pat during the year, but a general invitation is extended to everyone, with the result that there is certain to be a very large crowd on Addington Trotting Course to enjoy the many attractions which have been arranged.

All manner of side-shows will be there, and all will be free. The scene will be a particularly lively one. There will be two brass bands on the ground to supply music, a merry-go-round, a Punch and Judy showman, Jack and the Beanstalk, Highland dancing, the Mysterious Mr. X, clowns, who will wander around and make fun wherever they go, free rides on ponies, and free rides in old coaches. There will also be free rides on a miniature railway.

These, besides other attractions, have been arranged for the amusement and entertainment of all.

During the afternoon, a description of the happenings will be broadcast from the ground, and the children's session will also take place there. This in itself will be of a unique nature.

In Auckland, preparations are also in train for a picnic to be held on Saturday, March 7. This decision was arrived at at a meeting of the IYA Children's Sessions Advisory Committee, held on January 30, when there were present:—

The Rev. L. B. Busfield, representing the Sunday School Union, presiding.

The Rev. A. V. Whiting ("Uncle Bert").

Miss C. J. Flatt (National Council of Women).

Mrs. Jean Le Petit ("Aunt Jean").
Mr. P. F. Nash ("The Farmer's Boy").

Mr. V. Drew, (Y.M.C.A.).
Captain Albert Chandler, (Salvation Army).

Miss R. Palmer (Children's Sessions Organiser).

Mr. L. C. Barnes (Station Director at IYA).

Apologies for absence were received from Mrs. J. F. Montague and Mr. D. Faigan.

1YA Church Committee

THE 1YA Church Committee met on Tuesday, February 10, Mr. L. C. Barnes, station manager, presiding. There were present: The Rev. Joseph Kemp (Baptist Tabernacle), Mr. D. Donaldson (Church of Christ), the Rev. George Heighway (Congregational Church), the Rev. W. D. Morrison-Sutherland (Presbyterian Church), the Rev. H. M. Smythe (Anglican Church), the Rev. W. Walker (Methodist Church), and Lieutenant Lindsay (Salvation Army).

It was decided to adhere to the existing rota and to give the Salvation Army the fifth Sunday in August and the fifth Sunday in March next

Amateur Transmitters in Earthquake Area

A LETTER signed by A. M. Cooper (ZL2AK), Walter S. Green (ZL2GR) and H. Dixon (ZL2BO) summarises the work of re-establishing communication with the Hastings and Napier area through radio after the earthquake. In outlining the detailed position, praise is accorded to the Post and Telegraph Department for the tactful way in which order was established out of chaos and the efficient way the handling of traffic was organised. The letter concludes:—

"Without detracting from the good work done by one or two of the amateurs, the main lesson to be learned from the experience of stations operating in Napier was that most of the amateurs were hampering the establishment of continuous communication by jamming the air through constantly operating their transmitting sets, instead of keeping a listening watch for signals from the affected area. If this had been done, radio communications would have been continuous and reliable. It also shows the pressing need of stringent regulations governing the control of all amateurs' stations during such a crisis.

year, and to give two fifth Sundays to the Unitarian Church.

The service in Pitt Street Methodist Church will be broadcast on Good Friday evening and a Presbyterian service will be broadcast on Easter Sunday morning.

Relief Concert

(Continued from page 3.)

singers, but also as one of the finest vocal artists in the Dominion. The thousands who admire her art will be pleased to note that Mrs. Andrews will take a prominent part in the concert. Her item will be Bemberg's "Hindoo Song." Madame de Mauny will accompany.

Roy Hill.

ONE of the finest of Wellington's younger tenors is Mr. Roy Hill, by now well known far beyond the bounds of his own city, by virtue of his frequent and much-appreciated appearances before the microphone at 2YA. He will sing Denza's "Had You But Known," with violin obbligato by Mr. W. McLean.

Mr. Assheton Harbord.

AN entertainer who has come into prominence recently is Mr. Assheton Harbord. His elocutionary powers are distinctly above the average, and as an entertainer at the piano he is equally efficient. Mr. Harbord will provide humour at the piano.

The Aerial Singers.

THIS talented mixed-voice ensemble will again be heard on Monday next. Their singing, always highly popular, is sure to be specially appreciated on this occasion.

The Melodie Four.

THE Relief Concert next Monday will be the occasion of the next public appearance of the Melodie Four. This well-known quartet will again delight tens of thousands throughout New Zealand by means of the relay from station 2YA. Nevertheless, it is hoped that all who possibly can will attend this concert in person, and so help this urgent and deserving cause.

Claude Tanner.

GLUCK'S "Andante," and Popper's ever-fascinating "Butterflies," are the bracket of items to be played by Claude Tanner at the earthquake relief concert at the Town Hall on Monday next, February 23. Claude Tanner's cello technique and artistry are hardly equalled in New Zealand to-day, and his appearance next Monday with a galaxy of other 2YA artists should prove immensely popular.

Brilliant Comedy.

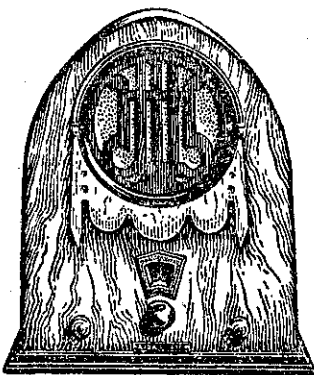
"SHE WAS NO LADY" is from the pen of Harold Brighouse, and is a splendid example of this famous Lancashire dramatist's genius in the portrayal of character. The play is rich in human understanding and wit, while pathos and comedy are cleverly balanced. The chief character is Sir Alfred Pickles, K.B.E., M.P., a new-rich knight, who "only took his title to please his wife—and a pretty penny it cost."

Sir Alfred is played by Victor S. Lloyd, well known throughout New Zealand both as the most successful producer of radio plays yet discovered by the YA stations, and also as the author of the novel, "Son of Peter," and various successful modern dramas.

Henry Learmouth (a private detective who appears to have taken up his profession from sheer love of knowing the worst about people), is played by Harry Paynter. The character of Lady Pickles will be played by Elsie Lloyd, and that of Mrs. Graveny by Susie Paynter. All of these artists have proved brilliantly successful in the delineation of character, and now Wellington is to have an opportunity of seeing them act in person. This will be on the occasion of the big earthquake relief concert at the Wellington Town Hall on Monday next, at 8 p.m.

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The reception of this set has been such that stocks were exhausted the first week. We have to advise, however, that further shipments are due February 24 and March 15, when all orders in hand will receive prompt attention. In any case this set has proved itself.

WELL WORTH WAITING FOR.

The various dealers who have already bought have ALL sent repeat orders, due to its extraordinary selectivity; as many as 17 stations being logged at full speaker strength. Orders should be booked now against March delivery. Watch for the Lyratone Combination Phonograph Model. LYRATONE retails at \$21/15/-.

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WHERE'S OUR DANCE MUSIC?



THE service rendered to the community by the main broadcasting stations throughout the disaster has certainly been most outstanding—indeed, their work has impressed the amazing marvel of radio upon the consciousness of the community in an extraordinary fashion. In thousands of homes people have remained huddled round the loudspeaker almost continuously since the big smash. On the first night of the disaster the main stations remained in operation until midnight, to resume again on Wednesday at 10 o'clock. Since then ordinary hours have been prolonged in order to cover all phases of the disaster.

Probably the most human phase of the radio work has been that relating to the tracing of missing people, enabling husband to resume contact with wife, father with children, and friend with friend. It has proved a perfect means of communication between all interest associated in the relief work. Through receivers in all quarters and telephonic advice to the station of information sought, it became an amazing clearing-house for information—a village green on an immense scale.

Announcements from official bodies were all made immediately from 2YA, and that fact marvellously facilitated all organisation associated with rescue and rehabilitation. The Railways, the Post and Telegraph Department, the Red Cross, the collecting agencies centring upon the Wellington Hall, the Salvation Army, the Transport Department, the Y.M.C.A., all long-distance relief works, the St. John Ambulance, the Automobile Association, and last but not least, the general public, all made use of station 2YA as a common centre for voicing needs of all kinds. The response proved amazingly efficient. Within a few hours of needs being made known, they would be met—not in one field alone, but in substantially all.

One needed to be actually in the station to realise the intimate service rendered in tracing people and re-establishing contacts. An enquiry would be broadcast for news of so-and-so. Had anyone seen them since the earthquake? Where were they? Time after time the response was given by telephone immediately. "Yes, I saw them in the street two hours after the shake. They were all right then." And thus news would be broadcast. Scores and scores of incidents of this nature have been experienced.

The strain of these enquiries heavily taxed telephone facilities of 2YA. The staff remained on duty without question of hours, and credit is definitely due to them for their work in this field. It is impossible to say just how much assistance broadcasting rendered in relieving the distress of ignorance as to the fate of loved ones and friends. Without radio their fate would have become known only at the expense of much time and prolonged agony.

But it is the tradition of radio that not everyone can be pleased. Even in this time that remained true. At 10.30 on Saturday night, while a list of saved and other enquiries was being given, Br-br-r went the telephone. The

Service Rendered by YA Stations Following Earthquake is Criticised

operator responded. "Is that 2YA?" "Yes." "Well, where's our dance music? How much longer have we got to listen to these wretched lists!" A fact! Not an isolated case either. Another enquirer demanded after the fate of the inmates in the Old Men's Home had been recounted, "Can't you cut out this old-age pension stuff, and get on to some music?"

Against that picture put that of a bent old man who hobbled slowly into the studio on the arm of a friend's wife, to thank the station for vital news of his son. Ten days ago he had been hale, hearty and vigorous; now he was infirm and shaking with nerves. No wonder, for slowly he told the fate of friends; one in particular; a well established business man with flourishing shops in both Napier and Hastings on Tuesday morning. After the quake his premises shattered and

ruined. He dashed to his home—to find his wife dead under a concrete wall.

Another case: a young man in a sound business on Tuesday with a capital of £3,000 and a steady income, apparently established for life. On Wednesday still alive, with half a crown in his pocket and nothing else—business and home wrecked and baby dead.

Still the telephone rings. "Where's our band music?"

Trade Support.

IN the early stages of the earthquake disaster the suggestion was made by Messrs. Philips Lamps to the Red Cross Society that they should use the Company's short-wave station for the broadcasting of information to the people in Napier and Hastings. The Red Cross Society adopted this sug-

gestion, but upon investigation it was found that, owing to the electrical power in the towns mentioned being cut off, no sets were in operation there.

In order to put the central points in the affected areas in direct touch with the radio service, the trade immediately donated a number of radio sets and the necessary equipment for installation in prominent places in both Napier and Hastings, so that people in the camps there should derive all the benefit possible from information being broadcast from Wellington in connection with the earthquake disaster. Donations in sets and accessories were made by the following dealers, to whom the thanks of all concerned are due:—

Philips Lamps (N.Z.) Ltd., Hope Gibbons Buildings; Amalgamated Wireless (A'asia) Ltd., Willis Street; L. M. Silver & Co. Ltd., 30-32 Tory Street; Thos. Ballinger & Co. Ltd., 58-62 Victoria Street; John Chambers & Son Ltd., cr. Cable Street and Jervois Quay; J. A. Smyth, Victoria Street; F. J. W. Fear & Co., 63 Willis Street; International Radio Co. Ltd., Blair Street; Cory-Wright & Salmon, 110 Featherston Street; Turnbull & Jones Ltd., Blair Street; T. H. Duncan, cr. Taranaki and Wakefield Streets.

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"SWITCH" is now receiving the new Tasmanian broadcast station, 7LA, Launceston. The newcomer is of good volume and pleasing tone.

"FREQUENCY" (Tallhage) asks: "Is the modulation of 2YA, Wellington, rated at 100 per cent?" 2YA works at a point which gives 100 per cent. modulation on the loudest notes. If it were fixed at 100 per cent. for notes or sounds of average volume it would result in the louder notes or sounds being distorted. The modulation of 2YA, according to practice, is 100 per cent. modulation.

AGAIN "Switch" has to thank Mr. Earl T. Haynes, of Christchurch, for information concerning the auditory powers of snakes. He admits that his previous statement—"the fact that they have no earpits or ear-drums, would affect them from hearing"—is not quite correct. Mr. Haynes is still doubtful whether the story of a snake being intrigued by music from a loud-speaker is true.

A LETTER is to hand from Mr. D. McLaughlin (Kavori) confirming "Switch's" statement that the station

which clashes nightly with 3AR, Melbourne, is a Jap. The only call-sign Mr. McLaughlin has heard from the mystery station is the familiar JOAK. That, of course, indicates that the strange Jap is relaying, or, perhaps, rebroadcasting JOAK, Tokio. "Switch" hopes, before long, with the assistance of a Japanese friend, to identify the new Jap. station.

MR. McLaughlin also writes: "On Sunday (1/2/31) at exactly 4 a.m. (not being asleep like sensible folks) I tuned in to 3AR's frequency and lo! a station broadcasting a boxing match came in at R 4-5 very clearly. The fight was between Firpo and what seemed to me an opponent named Moran. The tuning on the dial was very broad, the station covering two points. However as there were rather loud bursts of static I had to close down (as the family were all asleep), without identifying him. It is obviously an American, don't you think? To revert to 3AR, I would like to know if you have experienced this station's irregularities in frequency. Previously on my dial it came in at 77½; lately it hopped to 80½, and now is at 78. Or is my set irregular?"

IN reply to the above queries "Switch" thinks it possible that the American station heard by Mr. McLaughlin was in the Philippine Islands. The time, 4 o'clock in the morning, would preclude the broadcast being an actual ringside description of a fight in America. The time in Chicago would be 10 a.m., in New York 11 a.m., and in San Francisco 8 a.m. In Manila (Philippines) the time would be midnight. Theatres run very late in the Philippines, and possibly the fight was on a film, with a ringside description. "Switch" attended a vaudeville show in Colombo, several years ago, which commenced at 10 p.m.!

IT is not known to many that the transmitting station of 2YA, Wellington, has an elaborate "earth" system involving about two miles of 7-16 copper wire buried about a foot or so underground, radiating in spider-web fashion to a distance of nearly 200 yards from the station house. To lay the wire a plough was employed to cut deep furrows in the hillside.

MR. J. T. Mosley (Ohai) writes:—"It seems that everyone comes to you when in doubt. Therefore I wonder if you could answer me a few questions.

(1) Who was it at about 11 o'clock p.m. N.Z. time, from 3LO Melbourne, offered the sincere sympathy of Victoria and a very touching prayer for all injured and bereaved in the tragic occurrence in the Napier district? An organ recital was being broadcast at the time." "Switch" regrets missing that incident from 3LO, Melbourne.

MR. MOSLEY asks another: "(2) Is the Performing Rights Association composed of active producers and

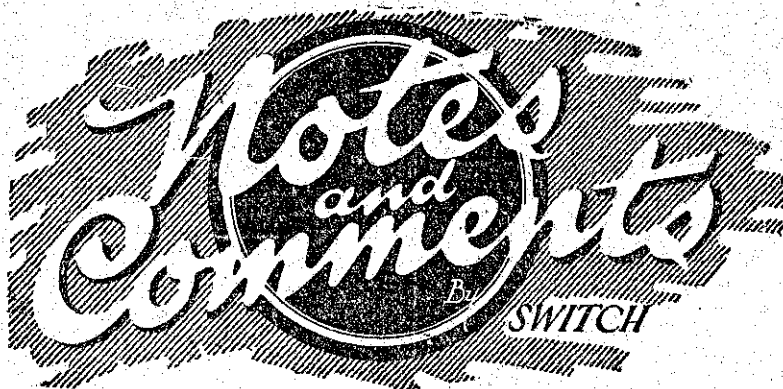
treat them." The Performing Rights Association is composed of music publishers and others who have acquired the copyright of various musical compositions.

STILL another from Mr. Mosley: "(3) Is the standard of Hy-Wide and Handsome the standard of American humour? It may amuse children. The announcers of these electrical transcriptions do not suffer from any undue sense of modesty in announcing themselves, do they?" It is an old American custom to boost one's self when opportunity offers. Humour is largely geographical. Japanese spectators laughed uproariously when a dead man was being carried off in a film drama in Tokio not so long ago.

FINALLY, Mr. Mosley writes: "(4) Congratulations to the staff of 2YA for the wonderfully creditable manner in which they kept us all posted up on Black Tuesday. They must have been working at a tremendous disadvantage. This was the first time I have heard our Mr. Drummond falter in his announcements. He must have been working under a terrific strain and would be a very tired man when he signed off on the Wednesday morning. It was very hard being so far away and not to be able to do anything to help those who needed help so sorely." "Switch" echoes Mr. Mosley's praise of the services rendered by 2YA. Mr. Drummond's faltering, however, was not due to any emotional strain or fatigue. Some people who wrote in to 2YA asking the whereabouts of missing relatives or friends scribbled long, wandering letters before getting to the point. Mr. Drummond had to scan these lengthy epistles hurriedly to get the names for broadcasting purposes, and there were dozens of such voluminous letters.

MR. BINGHAM, radio engineer of the Broadcasting Company, has been paying a visit to Wellington to give the 2YA transmitter its periodical overhaul. Probably listeners who have been sitting up into the small hours of the morning have heard strange sounds on 2YA's carrier. This was Mr. Bingham carrying out frequency tests. 2YA is now noticeably increased in volume, and there is a wonderfully natural tone in the transmission.

HAVE you renewed your subscription to the—"Radio Record and Home Journal?" Write "Radio Record," Box 1032, Wellington.



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 strength with which he has obtained reception at 11.30 p.m. during the past week:—

2FC, Sydney	10
2BL, Sydney	9½
2NC, Newcastle	9
4QG, Brisbane	8
3LO, Melbourne	7
7LA, Launceston	6½
3DB, Melbourne	6
2GB, Sydney	6½
2UE, Sydney	5½
3UZ, Melbourne	5½
7ZL, Hobart	3
3AR, Melbourne	4
5CL, Adelaide	2½
6WF, Perth	2
2KY, Sydney	1½

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

performers, or is it a combination of smart people who pay the producers and performers for a song and then charge the public an exorbitant rate for their works? If of the latter kind, then they should be treated as the 'Bolshies'

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—Motor Engineer, —Special Examinations,
—Motor Mechanic, —Accountant (Int'l Ex),
—Electrical Engineer, —Matriculation,
—Elec. Mech. Exams, —Intermediate,
—Mechanical Engin'r., —Dental Pre'lim.,
—Mine Electrician, —Public Service,
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Foreign Language Lectures.

I WISH to endorse the suggestion made in the "Radio Record" for this week by "J.E.A." (New Plymouth) in regard to the broadcasting of lectures on foreign languages, as I consider that this would prove a highly interesting phase of the Radio Broadcasting Company's service. Although, undoubtedly, most students in this country are taking French, I would like to see the Spanish language fostered in every possible way.

The broadcasting of lectures on this very euphonious and commercially useful tongue, should be of great value to New Zealand students—especially so on account of our comparatively small number of teachers of Spanish. Re the international programmes, I suggest that 2YA should give us an English programme each Wednesday instead of an American one. The American "talkie" stars are having a serious effect upon our language, not only among children, but also, unfortunately, among those who are old enough to know better. It certainly is the duty of everyone to do his utmost to combat this derogatory influence.

I would recommend "Cromdale" (Otago) to attend "talkies" featuring George Arliss, Clive Brook, or Basil Rathbone—to name three of a large number—and to listen carefully. Of the ladies I can suggest only Ruth Chatterton. He will hear from these artists just "what is good English."—"Zedder" (Masterton).

Recorded Programmes from 1YA.

RE American recorded programmes. I thoroughly enjoy these, and hope that 1YA will follow 2YA's lead, for listeners up here cannot obtain the best results from 2YA on account of fading. If 1YA could broadcast them I am sure they would be appreciated immensely.—J. H. Sherrard (Waiuku).

International Programmes.

I READ with considerable interest the many and varied criticisms concerning the international programme being broadcast from 2YA on Wednesday evenings, in place of their usual silent night. Listening with special interest to this programme on Wednesday evening last, I failed to find any great difference between this and the present programmes being broadcast by New Zealand and Australian stations. One item certainly did not appeal to me greatly, but I am broad-minded enough to realise that the radio caters for all classes and not a select few, as some critics would have us believe, and it is to the credit of 2YA for giving New Zealand listeners an idea of the type of entertainment being broadcast overseas. My opinion coincides with those of Theo. H. Gunderson and A. D. Rogers, Wellington, in their attack on the insular "narrow-mindedness" of some people in this country, who delight in criticising everything American and are the first to applaud any act full of cockney accent and imitate the "perfect" English as spoken by Oxford and Cambridge "high-brows." If American speech is so corrupting, then what about the many and varied dialects heard so often by people from the Old Country? To these "weak-minded," egotistic critics, I advise that they tune in to China, Japan or Barbados, on future Wednesday evenings. Finding fault with everything (especially American) is sheer bigotry and the forerunner to international differences. Looking forward with added interest to 2YA international programmes, and thanking you, I am,—John H. Smith (Timaru).

Mr. J. Bishop Taken to Task.

READING through this week's "Radio Record," I noticed a statement made by Mr. John Bishop, of Wellington, at the annual meeting of the Music Teachers' Association recently held at Christchurch. He is reported to have said:—"We as teachers of music should do all we can to raise the terribly and abominably low standard of the radio work of New Zealand." This, I think, is a gross insult to the artists appearing at the YA stations.

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 non-de-plume might be used for publication.

Does Mr. Bishop realise that the station directors and programme organisers are musicians of high standing, and does he think for one moment that these men with all their training can listen to "bosh," as he calls it, from their respective stations? The idea is absurd. There are at present too many first-class musicians requiring work to allow of this. Perhaps Mr. Bishop's set is one of the old-fashioned variety like a cheap gramophone that will not bring out the best in a record, or perhaps he has listened in

programme organisers have to compile a two-hour programme for six nights in the week, and please don't forget that the average song takes about four minutes.

In conclusion, to my mind the programmes transmitted by the YA stations compare most favourably with any from Australian stations.—Yours, etc., Australian stations.—Yours, etc., Reg. Morgan, Musical Director, Reg. Morgan's Concert and Dance Band.

Wednesday Programmes.

I WAS interested in the current issue dealing with the new Wednesday evening's programmes, and reply as follows: If "New Zealand Father" will read my former letter he will notice that I did not criticise the instrumental side of that celebrated Monday's programme; I agree with him that the Ormandy Orchestra is a fine combination which plays well-chosen numbers. The jazz instrumentalists and the Lockharts are certainly good items. It

is significant that the Broadcasting Co. have not given us further items of the "Secell and Sally" type. Some of the genuine American talk is interesting and pleasant, especially when spoken by an educated person, and not by a "Yankee."

In answer to "Cromdale," I repeat my opinion, expressed above, of the Ormandy and other instrumental pieces. I agree in the main with "Cromdale's" remarks anent errors in grammar, and confessing my shortcomings in this respect, but assert that anything broadcast over the air need not contain such glaring errors as we heard on the other Monday evening. Being of Cornish descent, I agree that some dialects heard at Home are extremely difficult to follow, but what has that to do with "Secell and Sally's" awful manner of speaking? As regards constructive criticism. Mr. Harris will bear me out when I refer to my correspondence direct with him on this and other topics. I, too, appreciate the good fare supplied to listeners for such a modest sum as 30/-. The Wednesday evening programmes of last week and this week were very much improved compared to the first effort of American programmes.—I. J. Retallick (member of 2YA Musical and Dramatic Advisory Committee).

Earthquake Service Appreciated.

I AM very disappointed that there were no letters in appreciation of the service rendered by the Broadcasting Company immediately following the disaster in Hawke's Bay. There are many to censure—few to praise. Surely the assurance of safety of so many names daily broadcast has allayed the fears and anxiety of hundreds of people as far as wireless is heard. In districts where mails are only once



A. GIBBONS-TAYLOR, a fine bass-baritone, who is sure to please his audience at 1YA on February 17.

on a night when there has been a fair amount of the popular music being broadcast.

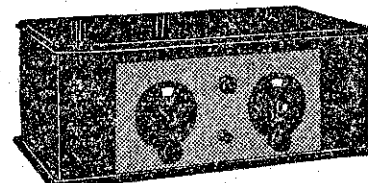
That evidently is the whole trouble. Musicians of his standing have the idea that they can make the general public crave and clamour for very high-class music. He doesn't realise that only about 2 per cent. of the listeners appreciate this class of music. The other 98 per cent. cannot understand it, and they want Variety, with a big "V." I know that in Auckland if an artist is not just up to the standard, there is not much hope of this person appearing again before the microphone.

Take a look at any of the YA programmes any night you wish. Mr. Bishop, and if you know any of the leading artists of New Zealand you will find a big percentage of them on the evening's programme. You can even listen-in to the children's session, for you will find there talent which will surprise you—talent which would be quite acceptable in any evening's programme.

It is a very easy matter to condemn a service, but kindly remember that the



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LISSEN SCREEN-GRID THREE

weekly and neighbours far apart, wireless has been of the greatest benefit. The news broadcast has the stamp of authority—idle rumour no place. I cannot understand the daily appeals from the Red Cross for boots and new clothing when funds are so readily subscribed for immediate use. However, that is not the purpose I am writing for. It is to express thanks and gratitude for the wonderful service given.—Farmer's Wife (Waitomo Caves).

"If You Know of a Better 'Ole."

I SUGGEST that when listeners complain they state what kind of a set they operate. I have an eight-valve, and when I do not care for an item I am like Bainsfather: "If I Know of a Better 'Ole' I go there, and I think the vast majority of listeners do the same. One thing annoys me, and that is the announcer at 4YA saying "The next item on our programme." Well now we all know it is the next one—not the last item. Still, I suppose he is like myself, he has some faults, but after all that is only a mere nothing. The programmes put over from the YA stations are poor sometimes, but after hearing some of the Australians I consider we are not doing so badly. Let us hope they keep going ahead, as I think we will be far better off if the Government do not take over control. This is a matter we have heard very little of from those who should be most concerned, and I would like some of the listeners to state their views on the subject. Perhaps something can be done to keep carrying on as at present.

This week's American programme will do me one night a week. What a change to hear what others get in distant lands.

Thanking the Broadcasting Company for the way they carried on during the serious disaster in Napier.—I am, "Just One" (Otira).

Telephony Service.

IN your last week's paper I see an article on the wireless telephone service, Wellington-Sydney, to London.

It is no use Wellington saying the fault lies between the last two. Wellington is poor, and very poor. If one will listen in any morning and pick up Chelmsford they will soon know where the trouble is. Only once have I heard Wellington, and it was the day Ngata spoke those few words to Fenton at Canberra, for as soon as they rang off, the call came through that Waiwera House, Rotorua, was wanted. Sydney is full tone nearly every day, and all the time it is "give it more volume. You have been off the air for 15 minutes. Too much back noise." I often think it would do some of the Wellington operators a service to go to Christchurch and find out how 3ZC broadcasts on the shortwave Wednesday afternoons. The lady announcer is A1. We can sit in the back of the house and often hear Big Ben strike 7 p.m. their time. And Rome is about the best morning station. In the afternoon W3XAL and WENR are mostly very good. After 10 p.m. Paris, Rabaul and Russia come in very strong. It is from about 8.30 a.m. to 2 p.m. that I cannot pick up some one or place working.

For the last nine months I have had the machine going about five hours or more each day, and I must say that even 2YA is not what it was—fades very badly at night, more so when the news, etc., starts at 7 o'clock. If it is not the stations or those working them, it must be the locality we must blame, for often the B stations over both Islands outclass the three out of the four big ones. Christchurch is always a long way ahead of the others. It is only after 7.30 p.m. that I can pick them up at present. I have just closed down on WENR, 6 p.m., and there is only just a very faint whistle from 2YA. When in England I heard a good many makes of sets. When in Leicester reception was best, America and Europe coming in very good, but usually the static was very bad. The P. and T. operators in Wellington have a lot to learn about the wireless, even if the messages are jumbled up so we cannot understand them. Tune their

News and Views of the D.X. CLUB

Answers to Correspondents

D.N.A. (Timaru).—KFKB Broadcasting Association, Milford, Kansas. WLW, Crosley Radio Corporation, Cincinnati, Ohio. KRLD, Inc., Dallas, Texas.

"Spud" (Claudlands).—2MV, Moss Vale Broadcasting Service, Ltd., Moss Vale. 3GL, Geelong Broadcasters' Pty., Ltd., Geelong. Addresses also wanted of 3ZR, Greymouth, and 2ZJ, Gisborne.

"Cromdale" (Otago).—According to latest call-book there are no stations KFTB or WTHI. Address wanted of station with slogan, "The Voice of Chicago."

H.F.A. (Masterton).—W9DRE, C. M. Slothower, 603. Sixth Street, Rochelle, Illinois. W2ABE, Wm. H. MacGahan, 409 Tremont Avenue, Orange, New Jersey.

Identification Wanted

ON February 1 at about 12.20 p.m. station on about 1330 k.c. (225 metres) playing "Swinging in a Hammock." Call, 2L2XY, Wellington, testing. Could anyone give me his address? On Feb. 2 station heard broadcasting a jazz band. Weak volume. The announcer mentioned Chicago and California. He came in a degree or so below 4QG, Gisborne.—D.W.H. (Masterton).

At 9.5 p.m. on Feb. 5 station about 1½ deg. above 2MO, Sydney. Call obliterated by static each time. One item was the "Wedding of the Rose," a Parlophone recording by the Dajos Bela Orchestra. Another was "Tip-toe Through the Tulips." Halfway through this he faded completely out.—"Little Willie" (Timaru). [The 1931 "Radio Guide" will be published about the end of March.—Ed.]

On Feb. 9 at 9.30 p.m. I heard what was undoubtedly a Chinese station at R9 just below 7ZL, Hobart. Speech had the regular Chinese sing-song style about it, quite different from the Japs, nine of whom I have logged, including one on 2YA's frequency. Wavelength approximately 500 metres (600 k.c.). Dial readings, 8AR 74, unknown station 82, 7ZL 88.—H.D.H. (Nelson).

American station heard at about 8 o'clock on Feb. 5. Call sign sounded like KBP, Santiago, Cal. Wavelength about 230 metres (1300 k.c.).—W.R.D. (Morrisville). [There is no station with this call listed in the latest call book.—Ed.]

Station heard at 12.40 a.m. on Feb. 6, presumably testing. Wavelength about 363 metres (825 k.c.), good speaker strength, slight static and fading. Hetero-

sets up and give more volume, then the service may in time receive enough calls to help pay interest on the capital expended.—Alfred Colyer (Bay of Plenty).

"PURE English" (Otago Central) reiterates the arguments put forward by "English Mother" (Masterton) and others contending that the American recordings are not suitable for broadcasting. For the defence, S. R. Ellis (Okato) maintains they are, and inquires why "highbrows" should attempt to control the programmes to suit their own tastes.

dyned by JOIK on 361 m. (830 k.c.) until that station closed down. He played "Electric Girl" twice, then an unknown number, followed by "Honey." No announcements were given. I had previously heard 2YA testing, and it came in beautifully clear and loud.—"Kilocycle" (Auckland).

Could anyone tell me the wavelengths of the following stations: The London station of the London-Australia telephone service; the Sydney station of the same; and the Wellington station?—A.G.C. (Te Aroha).

On Feb. 4 when 2YA closed down at about midnight, I switched on a crystal set and heard a station playing gramophone records. I heard him again on the 7th, when he played two jazzy records with a fairly long pause between them.—"Deerslayer" (U. Hutt). [Undoubtedly station 2L2XY, Wellington, testing.—Ed.]

American heard at 1.15 a.m. on Feb. 3, on about 240 metres (1250 k.c.), just below 2NC, Newcastle. News about Canada and Texas was given, and also a report of an automobile accident. The persons in the car were drowned. Probably a Texas station.—"Anxious" (Dunedin).

Jap. heard on Jan. 21, just a point below 2BL, talking in English. He was talking about a Mr. Condor travelling via tube railway in London. He concluded his talk by saying: "My time is up. Good-bye, everybody." This was at 10 o'clock N.Z. time. What time would that be in Japan?—A.F. (Waverley).

N.Z. station broadcasting earthquake news at 11.35 p.m. on Feb. 4. Gave the call 3ZR, and remarked: "All artists have gone home, but we still entertain you with recordings."—"Retsam" (Hawera). [3ZR, Greymouth, a new "B" class station.—Ed.]

Has 2ZL Hastings altered its frequency? I usually receive him on 1330 k.c. (225.4 metres), but on the 10th I received him on 830 k.c. (361 metres).—"Red Bird" (Wellington).

I heard the station on 1ZR's frequency at about 8.15 p.m. on Feb. 6. Speaker was reading a portion of the Bible from the New Testament. I held him for seven or eight minutes, but he finally faded out.—"Mark" (Dunedin).

Station on approximately 3ZC's frequency. He broadcasts a children's session in the morning. Heard him first at about 1.15 a.m. on Feb. 8th, when the announcer requested that all letters for the session should be in by Thursday for the following Saturday. He also acknowledged various letters received, among them being one from Kansas and one from Oklahoma. Signals weak, fading and static bad. Mention was made of a broadcast to be given by W.C.C.—and —. He also mentioned that the Federal Government proposed to erect two stations there.—"Ajax" (Dunedin).

ON February 8 station heard on 380 metres (815 k.c.) between JODK and JOCK. Items heard: (a) 9.34 p.m., accordion solo, "Swanee River," (b) 10 p.m., jazz orchestra, (c) 10.9 p.m., lady singing, followed by community singing. At 10.22 p.m. I heard the 2ZL Hastings announcer say, "We salvaged our transmitter to-day and re-erected it at the Drill Hall."—"Radio Boy" (Oamaru).

STATION operating at about 9 p.m. on February 12 on 2ZP Wairoa's frequency. Was heterodyning with 2ZP, and when the latter closed down he was heard plainer. Items heard were: "Hu-

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moreske," "Poi Song (or Dance)," then later "Honolulu Moon" and "Happy Days are Here Again." Static bad. Call-sign sounded like 3ZR or KZRM (Z pronounced as "Zee").—"Scotchman" (Whangarei).

Stations Identified

H. G.W. (Christchurch): Probably KFKB on 1060 kc. (283 metres), although KMOX on 1110 kc. (270 metres) broadcasts advertisements for furs at about the time you mention.—"Jaka" (Wellington).

"KAY GEM" (Wellington): Station on 22A's frequency is WTAM, Cleveland, on 280 metres (1070 kc.). "Amuri" (Invercargill): JOHK, 390 metres (770 kc.) on language course. Heard this particular transmission. **H.G.W.** (Christchurch): WTIC, Hartford, 282 metres (1060 kc.). "Moi Whare" (Feilding): 3GL, Geelong, on 214 metres (1440 kc.). The station I referred to is between 3GL and 2HD, on 213 metres (1410 kc.), approximately. No luck so far.—R.J.R. (P.N.).

DX Topics

AMERICANS have been coming in with great volume during the last two days. New loggings include: KTAT, WJJD, KGDY, and WWJ. Recently I logged 2MO, Gunnedah, testing on 3KZ's frequency. The latter's power is 500 watts, not 200, as previously stated. Station heard at 10.30 p.m. on various nights on approximately 405 metres (760 kc.), but so far I cannot decipher the call.—R.J.R. (P.N.).

VERIFICATION from KTBS, Tri-State Broadcasting System, Shreveport, Louisiana, is the fifth issued to persons in New Zealand. It operates on 1450 kc. (207 metres), with a power of 1 kw. They broadcast daily from 7.15 a.m. till 10 p.m., their time.—D.N.A. (Timaru).

I HAVE logged eight Japs. to date, two of them above 5CL. These are JOJK, on 710 kc. (422.3 metres), JOKK, on 610 kc. (492 metres). There is a Chinese station half a degree above JOJK on 705 kc. (425 metres). Is there a Jap. on 900 kc. (333 metres)? Some of the new Aussie B's, in particular W2AY, 3KZ, and 3GL, have been coming in splendidly lately.—"Millimetre" (Gore).

AMERICAN phone hams on the 80-metre band were coming in well on February 8 from 7 to 8 p.m. W5KX and W5ADO, Oklahoma City, WAUZ, Georgia, W8CWA, Cleveland, Ohio, W2ABE, Brooklyn, and W9DRE, Kansas, were received at good readable strength. W9XF and W3XAL also come in at splendid strength every evening. The former is slightly interfered with by Morse. Morning reception is unusually poor for this time of the year. Last year G5SW and Zeesen could be relied upon to furnish a good programme, but this year their carriers are scarcely audible.—H.F.A. (Masterton).

"SOUTHLANDER" (Winton) sends in a comprehensive list of Japanese broadcasting stations. These, however, were published in last week's issue. He also adds that JOJK gives a language

European Broadcast Station Definitely Heard

Verification from Czecho-Slovakia

DX-ERS will no doubt remember the reports which appeared in these columns toward the end of last winter, concerning mystery stations on the broadcast band heard by several listeners in the early morning.

It was thought then that perhaps these were European stations, a supposition which is now known to be correct, for Mr. W. L. Peters, of Pahiatua, recently received a definite verification of reception from a station located at Bratislava, Czecho-Slovakia.

This is the first European verification we have examined, and we congratulate Mr. Peters on his splendid D-Xing.

A few years ago listeners claiming to have heard American stations were scoffed at. To-day many D-Xers hold verifications of reception from that country. It appears that in a short time American stations will be regarded by D-Xers as easy to log as Australians are at present, and European broadcasters will be the aim of every enthusiast.

Below is appended Mr. Peters's description of his set, and aerial and earth installation.

"I am enclosing a verification recently received from Czecho-Slovakia. The type of set on which the station was logged is an 8-valve commercial a.c. In addition I have an inductance in the aerial consisting of a coil wound on a three-inch former with a tap at every tenth turn. Eight studs in all are used with a switch to move from one to the other. My aerial is about 150 feet long, 38 feet high at the far end and 30 feet at the set end. It is insulated with glass insulators. The earth consists of a tin buried two feet and also a wire running under the ground to a permanent water hole 60 feet away. This wire is bare copper

and is joined to the earth wire leading to the set just under the ground.

"I have recently heard the above-mentioned station at about 4.30 a.m. and also the one on 394 metres (760 kc.) believed to be a Roumanian. I have logged 53 American (with 24 verified) since I started writing to them six months ago, one Chinese, one Manila, and one Canadian.—W. L. Peters, R.D.2, Pahiatua."

Below is a copy of the verification received by Mr. Peters.

Bratislava,
13th December, 1930.

Dear Sir,—

"In confirming receipt of your favour dated October 14, 1930, we thank you very much for your kind information. There is no doubt you heard our broadcast items on October 11 and 12, 1930, between 4.30 to 5.30 a.m. at your country, which corresponds to about 5.30 to 6.30 p.m. our time.

"At the above-mentioned time we transmitted on October 11 a Children's Session and on October 12 a broadcast scene. It is certainly extremely interesting that you should receive our transmission at this time when daylight was between us at that hour of the day. What sort of receiving set did you use please? Our transmitter is of British make working on exactly 278.8 metres or 1076 kc. with an aerial output power of 14 kw. Normally we don't announce in English but in Slovak language and only occasionally we announce in English.

"Thanking you for your kindness and for your wishes of success. We will gladly hear again from you and remain, dear Sir,

"Yours very faithfully, Radio Journal S. Kuhn."

There is certainly no mistaking this verification—it is the real thing.

talk every night from 6.30 till 7 o'clock, either in English, French, or Esperanto.

ON January 30 I logged KMOX, St. Louis, and WOAI, Texas. JOFK on 353 metres (870 kc.) was at good strength. Speech was in Japanese with very few musical numbers. 1ZR Auckland, which I logged on the same evening, brought my log (kept since December, 1930) up to 50 stations.—T.J.L.T. (Wellington).

AT 9.30 a.m. on Feb. 11 I picked up W2XO New York, calling the new Vatican station. W2XAF was also calling the same station. He arranged a "sked" for the next morning from 10 to 11 a.m., New York time, when the N.B.C.

call WBEN was given but location was missed.—H.F.A. (Masterton).

[WBEN, Buffalo, "Evening News," New York, operates on 900 kc. (333 metres), with a power of 1 kw.—Ed.]

ON Jan. 29 I logged WJDX, Jackson, Missouri, mentioned by several in last week's "DX Topics." Signals R6. The Japs were coming in at R4-6 at approximately 8.30 p.m., the earliest I have ever had them. On the 9th I logged a station giving the call 3ZR, Greymouth, on approximately 820 kc. (366 metres), R3-6.—B.H.B. (Masterton).

[3ZR was reported by several in last week's notes.—Ed.]

IN a recent issue "Curio" (Westland) mentions that 4YA comes in all round the dial. I have had my set about 3½ months and have experienced the same thing, though some nights it is worse than others. Early in November 4YA changed from a single wire to a four-wire aerial, and it is once since this that I have noticed its tendency to spread. [This would scarcely be the cause.—Ed.] I have found, however, that an efficient wavetrap will cut out Dunedin and bring in 2YA 3 degs. below the local.—"Ajax" (Dunedin).

[An excellent wavetrap will be described in the "1931 Listeners' Guide."—Ed.]

ON Feb. 4 I heard 3ZR, Greymouth. Could any DX-er give me his address? I also logged with good volume KFKB, Milford, Kansas, and WLW, Cincinnati. I heard the 7.30 a.m. time signal from the latter, it being 12.30 a.m. here. On the 5th I logged another new American, KRLB, who was putting across a test programme. Volume was equal to our YA stations at their best.—H.N.A. (Timaru).

"KIA ORA" (Frankton) reports that he picked up KFKB as early as 10.15 p.m. I picked him up a couple of nights ago at 8 p.m., so it would appear that they sometimes broadcast at night. Re "Switch's" remarks of the 26th concerning the frequency of the new Jap station. As no one has heard this announced and no one has a verification the only thing to do is to work it out on paper. Everyone so far has given it as 610 kc.—a fraction under 492 metres. This station certainly clashes with 3AR, Melbourne, although its wavelength is longer by 8 metres. This is not surprising, as any strong station on the higher wavelengths has a tuning range of anything up to 4 deg. I would like to suggest that all these stations be ignored and that no correspondence relating to them be published. They create many futile discussions and nobody gets any further ahead. As far as most listeners are concerned, they are of no use to anyone and are there just to interfere with some of our good stations. I quite appreciate the fact they are necessary to their own country.—B.W. (Stratford).

[Yes, space is far too valuable to allow of publication of lengthy discussions which, as B.W. remarks, are futile.

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In future, correspondence on these stations will be severely limited.—Ed.]

I LOGGED a stranger from Brisbane on January 29, giving the call 4BK, and would like further particulars. [Operated by the Brisbane Broadcasting Co., Brisbane, on 217 metres (1380 kc.), with a power of 200 watts in the final amplifier.—Ed.] At 2.15 a.m. I heard another station calling "2MO, New South Wales, now closing down until to-morrow morning." I could not catch his locality. [2MO is operated by M. J. Oliver, Gunnedah, on 225.5 m. (1330 kc.), with a power of 50 watts in the aerial. No definite schedule has been arranged.—Ed.] "Kia Ora" (Frankton Junction): Checked KFKB and got his call OK on February 4. Thanks. D.N.A. (Timaru): I can confirm your report about 3GL coming in above 2HD. It comes in on my "din box" at 15 and 2HD at 14.—"Jaconsack" (Chch.).

IN a recent verification letter, WTAM appeared very pleased to receive a report on their early morning transmissions. They mentioned that only a few reports had been received from New Zealand on the above programmes. Recent loggings include WOFL, Chicago, 7LA, Launceston, 3ZR, Greymouth, and 2XN, Lismore.—"Jaka" (Wellington).

I HAVE always been a very interested reader of the DX notes, and have received a large measure of assistance from them. I am enclosing a verification from JOJK, 710 kc. (422.3 metres), an extract from which appears below. JOJK operates on 670 kc. (448 metres), and the new arrival on 595 kc. (503.5 metres). Call heard seven times recently at good

strength was undoubtedly JOJK—"Seven Kicker" (Okoroire Springs).

"We are very glad to receive your kindly letter, it is a pleasant matter indeed that our J O J K waves were caught in New Zealand far distance of Kanazawa Japan. Which you heard was the All Japan Champion Olympiad, sented from swimming pool at Meiji Shrine, and that time the water games was just in time. It was about 8.55 P.M. Japanese Central S. Time. We are sending waves by Telefunken's apparatus. We have received some kindly letters from ladies and gentlemen in all over the world. Send you a sheet of our program and some of picture-card of our station. Wishing you luck. Yours truly, K. Matsubara."

CONDITIONS for Australian reception have been good lately, and on a recent night I logged two Melbourne stations, 3AR and 3DB, while 2AY, Albany, and 7ZL, Hobart, were coming through with splendid volume.—"N.Z.D.X." (Dunedin).

The Biter Bit.

IF H.M.S. (Dunedin) had a set that would bring in WLM, Cincinnati, Ohio, he would have no reason for doubting "Radio Bug's" statement that the above station would be giving dancing lessons so early in the morning in the middle of winter. Well, I can assure him it is a fact. On a recent night, while waiting for earthquake reports, I tuned in WLW at 11.45 p.m. A banjo band was playing. A song followed "Who Broke the Lock on the Hen-house Door?" then some lively dance tunes on the banjos until 12.15 a.m. When the announcer said it was 7.15 standard time, and they were going on with their dancing lessons,

which proceeded as described by "Radio Bug." So, do get a set, H.M.S., and convince yourself.—W.B. (Linwood).

KMIC Changes Call.

IN a recent letter from KMIC they state that they will change their call letters to KMCS as soon as they move into their new Metropolitan-Christie Studios, which will probably be early this month. The frequency will be the same, i.e., 1120 k.c. (267.7 metres). Hearty congratulations to the winner of the DX Cup.—"Keijo" (Invercargill).

New Japanese Stations.

I have received a letter from a correspondent in Japan, Mr. Nagamura. He states there are two new stations on the air in Japan, connected to the Broadcasting Company of Japan's chain of stations:—

JOJK, Okayama, 429 metres (700 k.c.), 500 watts.

JOJK, Kukuoha, 441 metres (680 k.c.), 500 watts.

He also states there will be three more stations on the air in a few months' time, but gives no frequency. Their calls will be JOJK, Kyoto; JOJK, Shiznoka; JOJK, Nagano.

Perhaps they are already on the air, and one is on the frequency of 3AR, which appears to be worrying "Switch."—S. Ellis (Okato).

Verification from WBM.

I RECENTLY received from WBM Chicago a verification and also a most interesting booklet which contains a full description of the station or "air theatre" as they call it. The book contains excellent illustrations of the various studios,

operating rooms, and artists. The Paul Whiteman Orchestra plays every evening through WEBM. Other verifications received were: WLW, Cincinnati; KTHS, Hot Springs; KTM, Santa Monica; KHL, Los Angeles; and KGO, Oakland.—"Screen Grid" (Opunake).

DX News.

J.P.C. (P.N.): Re KZRM and KGW. On the 29th I waited until 3AR signed off, when KZRM was tuned in. A couple of items were given and station signed off at 12.45 a.m. He did not sound

Who is the DX King?

AFTER an exhaustive examination of a number of logs and two sets of cards, the winner of the DX Competition has been decided upon. Watch next week's issue for announcement and full particulars.

like the station I thought to be KGW, but as conditions were bad I did not wait to try for the latter. The time I heard KGW when previously reported would be round about 6 a.m., American time. I have written them and will report progress. Has anyone got the call of a Chinese or Japanese station on WLW's frequency? Anyone looking for 2MO, Gunnedah, will receive him just under 3KZ. He must have changed his frequency. B.C. (Hamilton): Short-wavers in Hawaii are KOG, 4044 kc., KHL, KHM, KHO, KLN (4144 kc.). The last four also work 5720 kc., and KOG on 5945 kc. They are operated by the Mutual Telephone Company, and a letter to them at Hilo may help you. The R.C.A. people have a station, KRO, 5840 kc., at Honolulu. "Little Willie" (Timaru): Station on 2YB's frequency on community singing was probably 2NC, Newcastle, relaying Sydney. Guy C. Holmes (Masteron): You probably heard 3WR, Wangaratta. I get him on 16 and 2NC on 17.—"Cromdale" (Otago).

Aid for the Deaf

THE Vactophone is an apparatus to assist deaf people to hear music and speech clearly. In construction it is very much on the lines of the radio amplifier and uses a special "B" battery of 22-volt capacity. Being a proprietary apparatus imported to order, repairs and replacements are difficult. Mr. Bob Horrobin, of 2 Courtenay Place, Wellington, has made successful repairs with several Vactophones left with him and has also imported some of the special "B" batteries. He formed the opinion that the whole apparatus could be duplicated and made up of accessories readily procurable from any radio dealer.

The first New Zealand-made apparatus was submitted for test and proved very neat and effective. The price will be approximately one-fourth of the cost of the imported Vactophone and should thoroughly interest all in New Zealand who suffer from deafness and are not completely deaf.

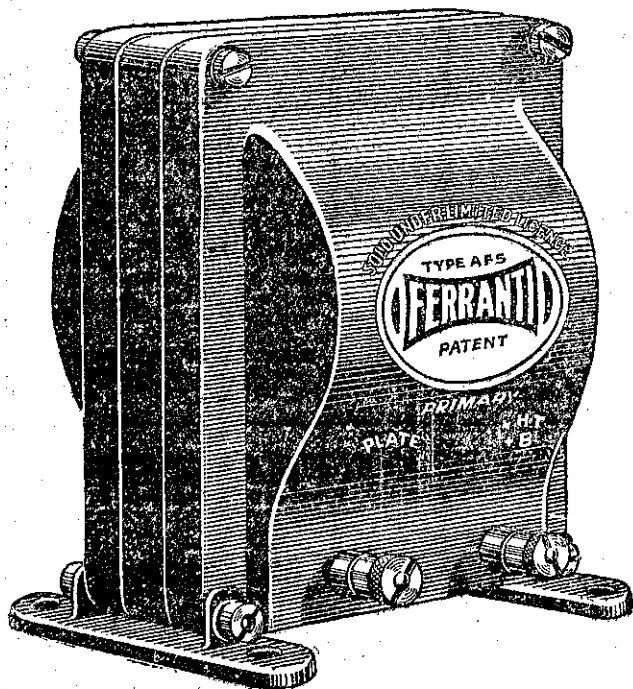
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S-O-S

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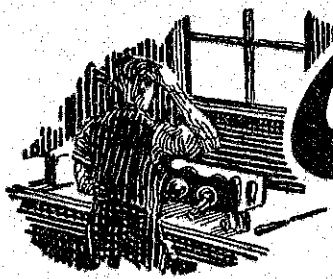


THE NECESSITY FOR A GOOD TRANSFORMER WAS NEVER GREATER THAN IT IS TO-DAY.

THE INTRODUCTION OF THE DYNAMIC SPEAKER WITH ITS AMAZING RESPONSE TO ALL AUDIBLE FREQUENCIES MAKES THE TRANSFORMER QUESTION TO-DAY MORE VITAL THAN EVER.

IF YOU DESIRE REPRODUCTION THAT WILL GIVE YOU LASTING SATISFACTION, SEE THAT YOU INCORPORATE AN OUTPUT STAGE OF ADEQUATE POWER—A MOVING COIL SPEAKER AND FERRANTI TRANSFORMERS.

WELLINGTON **ARTHUR D. RILEY & CO. LTD.,** AUCKLAND



Questions and Answers



(Written during the absence of the Technical Editor.)

CRYSTAL (Wellington): Yes, you can reach Christchurch with a crystal set by boarding the ferry steamer.

BACHELOR (Petone): No, marcelle or permanent waves cannot be received on this circuit.

SHORT-WAVER (Auckland): To see short-wavers in action go to any of our beaches on a fine day and you will see plenty.

ACCIDENT (Lower Hutt): We have questioned several dealers, and they inform us that they do not buy burnt-out valves.

ONE-VALVER (Otago): You cannot get the set out of oscillation; your neighbours confirm this; have you tried dropping bricks on it?

CLASSICA (Dunedin): What, haven't you heard the Broadcast Band performing. Well, listen-in on any silent night.

SAY SO (N. Auckland): How is an ordinary valve r.f. added to the "Night Hawk" receiver?

A: When we bring out the "Kestrel" and Differential Three we shall explain how this extra valve is added. We will then give you the coil specifications you require.

2. Which value differential condenser would you recommend for smoothest reaction in an all-wave set?

A: We have found .0002 to be of very suitable value.

ANGUS (Wanganui): What do you think of the enclosed four-valve short-wave receiver?

A: The diagram seems quite satisfactory, but in the 1931 Guide you will find all the information you require on this subject, for we are bringing out a

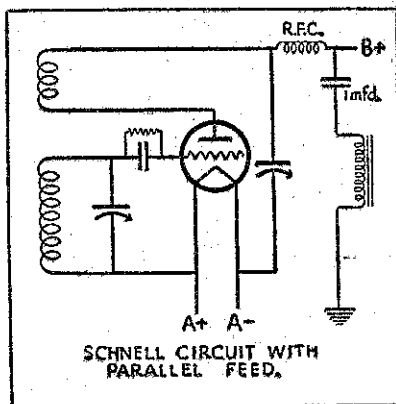
four-valve a.c. receiver with special power pack.

Z.I.D.X. (P.N.): Could you supply me with a shunt-feed method of coupling the audio to the detector of a Schnell circuit?

A: See the accompanying diagram.

2. Is there any other method of eliminating audio howl except reversing the leads, etc.?

A: Yes, it can be eliminated by doing away with all stray capacity and coup-



ling between the leads and with the generous use of chokes and condensers.

3. Would it be possible to include a list of the Australian "Hams" in the 1931 "Guide"?

A: We are afraid not; such a list would occupy far too much space. They can be obtained from the "Radio Amateur Call Book Magazine."

4. Would any of the receivers described in the "Guide" use other valves than screen grid for r.f. amplifier?

A: Probably not. Such circuits have received a good thrashing in previous "Guides."

RADI OFAN (Cambridge): I am having difficulty with the L.W. The plate current is about 50 amps, but the plate becomes red hot. Is this in order?

A: There is something radically wrong as by running the plate red hot you will soon melt it off. See that none of the resistors are earthing where they should not, and try another grid leak (same value), resistance in the bias chain.

2. I cannot reduce the hum, although I have used 8 extra mfd's. in smoothing.

A: This again points to a shorted resistance or a defective resistance in the bias chain. It should not be necessary to have to purchase the extra by-passing condensers, as all the smoothing is brought about in the circuit as we published it.

3. I am using a choke condenser output. The speaker return is connected to the centre tap of the filament.

A: That connection seems to be wrong. The centre tap of the filament should connect with the main chain of resistances and bias resistance only.

The speaker return should go to earth. From the plate of the valve the current should pass through the blocking condenser (used in the choke condenser output), and then through the speaker. The high voltage current should come up through the choke and blocked by the condenser

from getting to the speaker, should go to the plate of the valve.

4. Any interference with the grid circuit of the 224 results in a violent crashing in the speaker.

A: This is in order.

H.B. (Woodville):—Some time ago

I built a screen grid all-wave set, but now want to use differential reaction. Can I do so?

A: Yes, in a very short time we will be publishing the "Kestrel three." This will be the circuit your are requiring.

EGMONT (Taranaki):—We regret we cannot do anything for you. Yours is clearly a case where a service agent should be consulted.

NOVICE (Wellington):—Could I increase the length of my aerial by 25 feet and make it into the "T" type?

A: You would be gaining nothing.

2. I am troubled with fringe and audio howl, and the set is going in and out of oscillation.

A: This is due probably to the method of reaction you are using. The Schoell type type of circuit, of which the moving plates of the condenser are connected to earth, is better. Your batteries are far too low (25 volts instead of 60), and this alone would introduce considerable amount of noise and howl.

COUNTERPOISE (Christchurch):—

Which is the better type of wire for a counterpoise earth single or stranded?—Stranded.

2. I had a wavetrap constructed by a competent man from your last publication, but it is no good.

A: That is different from our experience and the experience of many of our readers. A wavetrap usually needs careful tuning, and must be made very carefully. We are bringing out an excellent one in the "Guide," and perhaps you might get this one to work better.

TUBBY (Auckland): Would a four or five sets give me the chief New Zealand and Australian stations?

A: If it were of good design, yes.

2. Could you name such a set, preferably super-heterodyne?

A: Super-heterodynes have more valves than this. We have tested only one super-het., and that is the "Majestic." It is an excellent type of machine.

3. Could you give me some hints about picking out a reliable machine?

A: The first thing that anyone buying a set must consider is the price. You will have to sort out several in the vicinity of the sum you are willing to pay. The first test is for tone. Satisfy yourself that you really like the music and speech that comes from the set.

Above all, do not be guided by an over-preponderance of bass. A listener very soon tires of this. Hear it on the very notes, such as violin and piccolo, and of the very deep drum notes. These latter should be very clearly defined and not a jumbled mass.

Hear what the set can do in the way of bringing in the main New Zealand and Australian stations. On a good evening, say, at about 10 o'clock, they should all come in very well, although much depends upon atmospheric conditions. For this reason you will require to hear the set under differ-

ent conditions. Do not strive to get the very distant stations, such as the American, as these certainly depend upon your locality. A set that can be relied upon to bring in the main Australian stations is all that is required. For selectivity your set should be able to eliminate the local station and bring in one close by. In Auckland you should be able to get 2EL with only a slight background of the local. In Wellington 4YA and 4QG.

EUTERPE (Reeston): I am having trouble with my reflex set. I cannot properly neutralise it and I have put the trouble down to the disappearance of grid bias owing to the valve being a six-volt one.

A: This is probably incorrect. We think a more likely cause of your trouble to the crystal detector being at fault. In any case, reflex sets are very much out of date, so why not use your parts to make the "Kestrel Three" or any other type of modern set?

2. I require 9 volts "C" battery on the last valve even with 75 volts on the plate.

A: This is probably in order as you have a power valve of the 171A type, which requires a good deal of biasing.

3. I can get only 75 volts from my d.c. eliminator.

A: There may be a leak through one of the condensers or a defective resistance. It is only a case of examining it carefully or having it tested by an expert.

WHISTLE (Masterton): My set when turned on develops a whistle, which gradually disappears. Sometimes I notice a slight fading in reception. Would shortening the aerial or placing a fixed

CORRESPONDENTS must attach this coupon to all queries sent to the Technical Editor (Box 1082, Wellington). Questions arriving without it are likely to go astray or be delayed.

Name of set

Number of Vales

Name

Address

.....

.....

Nom de plume

To be kept in subsequent inquiries.

Date

Please Note:—

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

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

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condenser of .0001 between the aerial and the aerial terminal have any effect?

A.: It is an expert's job to make any adjustment to an a.c. set. We should imagine that there is trouble in the bias resistors of the r.f. valves. Placing a condenser in series with the aerial will not have the desired effect.

2. Would line voltage or current surges cause trouble?

A.: It is most unlikely.

3. Have you any other idea as to what the trouble may be?

A.: Other than the bias resistors and the valves themselves there is little we can suggest. The set should be overhauled with a modern fault-finding instrument.

P. N. (Hokianga): Is my diagram showing how to add an extra stage of screen grid r.f. in order?

A.: The valves would be better transformer coupled as we described this week for the Outspan Five.

2. Should the coils and valves be separately screened?

A.: The cans should be screened with an inverted can, and the valves only if oscillation cannot be controlled by other means.

Is it necessary to have the coils a minimum definite distance from the screen?

A.: About 2in. would be ample.

4. Should the secondary coils have the same number of turns?—Yes.

5. C plus connected to A plus, is this correct?

A.: It is done with some sets, but the usual practice is to connect A minus to C minus.

6. My log comprises 60 stations in America, Japan, New Zealand, and Australia. Is this satisfactory?

A.: Yes; it is excellent.

7. With the addition of a second screen grid valve, would the set be more selective?—Yes.

S. G. (Masterton): I have an American neodyne set in which I have four valves that are not American. My second radio and detector 2 minus A615, and I

have a four and a half "B" battery with B605.

A.: In these older American sets particularly it is not advisable to use anything but American valves, at least in the radio and detector sockets. It would have been better had you used 201A's or 221A's in these stages where you have 615's. The 615 is an excellent valve as a detector, but it is not possible, especially in a set of your type, always to get good results when two are used. Your "C" battery should be increased to nine volts.

COILS (Eketahuna): Can a short-wave a.c. receiver be constructed using valve base coils? Where can I obtain a circuit?

A.: It could certainly be made, but would need special care. We do not have a suitable circuit, though a four-valve one will appear in the "Guide."

E. W. D. (Invercargill): Is an output filter of any advantage over an ordinary direct-coupled speaker?—No.

2. What value of choke would I need for this?

A.: About 30 or 40 henrys.

2. How many turns of wire would I take to make this choke?

A.: 5000 turns of 36 s.w.g. on a core 4in. square. No gap.

3. Why does my set give an annoying growl when coming into oscillation?

A.: This sounds like threshold howl. Shunt a 200 ohm potentiometer across the "A" battery leads to the detector and take the centre arm to the grid-leak, as shown in the diagram in the next column.

4. Should I be able to receive American stations on my set with an aerial 80 feet and 30 feet high?

A.: This depends upon your location.

5. Could I use one stage of transformer-coupled audio with a stage of r.e.c. following?

A.: It would be better with one stage of r.e.c. with a transformer following.

POWER (Christchurch): I have made two chokes as described in the "Radio Record" twelve months ago.

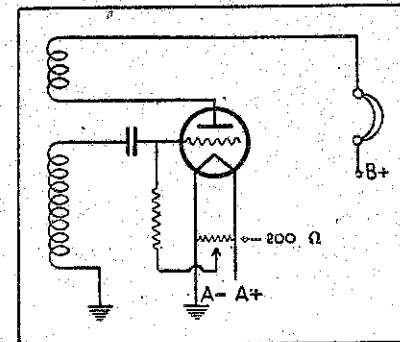
Could these be used instead of the chokes specified in the description of the L.W.?—Yes.

2. I wish to run two 245's in parallel and a 280 rectifier. Would this be satisfactory?

A.: Yes. We publish on page 14 the amended diagram of this circuit for your information.

TRICKLE CHARGER (Khandallah): What is the most satisfactory power valve or valves for the Loftin Four?

A.: A single 245 will give quite a reasonable output, but if you are not



impartial to high tones you would find that one of the pentodes an excellent one.

2. Would 1250 turns be correct for a single 245 valve with a transformer core dimensions of 1½ by 1 3/8 as described in the "Radio Record" on December 5?

A.: No. For full-wave rectification 3500 turns centre-tapped are required.

F. B. (Hokianga): My set has developed a loud crackling noise.

A.: It sounds like a defective transformer, a broken speaker cord, or a broken-down condenser. If your set is a commercial one send it in to an agent to have it attended to.

2. I get a shock when I touch the speaker terminals.

A.: This is quite in order as there is very high voltage floating about them.

3. A friend of mine has a set similar to my own, but the switches work in opposite ways.

A.: This is probably, in order, the indication being that in assembling either yours or his, the switch has been turned upside down.

9XYZ (Timaru): Could I use a frame aerial and connect one wire to the aerial and one to the earth?

A.: No; a frame aerial must be connected in a special way to the grid and filament return of your set which takes the place of the first coil.

LITTLE WILLIE (Timaru): I have a seven-valve American set which has decreased in volume and is distorting on all stations. What is the matter?

A.: How is your bias battery? Is it up to full strength? Have your valves tested.

2. My speaker has developed a rattle on the high notes.

A.: This sounds something like grid bias being at fault.

3. What is the height of poles from which the best reception is obtainable?

A.: 40 to 50 feet is ample.

A. J. H. (P.N.): What is the best valve combination for my five-valve American set?

A.: Four 221's and one B605.

CONTACT (Nelson): We recommend the American valves that you name for replacement in your set.

Would a combination of valves of different makes give me better results than if they were all of the one make?

A.: Valves should be all of the one make, with generally the exception of the last valve, which is not so important.

3. Who are the General Electric Co. and what make and tube is the improved valve they are bringing out?

A.: The General Electric Co. are one of the highest electrical manufacturers in the U.S., and for that matter in the world. We have no further details of the valves than have been published.

4. Would a resonator be a useful adjunct to my set?

A.: In all probability yes.

5. Is a similar piece of apparatus already embodied in it?—No.

PROSPECT (Mount Eden): The valves of my set are enclosed in a can of tin. Do you consider that a shield of aluminium would be better?

A.: For the valves, no.

2. Have any people in N.Z. installed the Pearce earth, and what have been their results?

A.: We have heard from quite a number of readers who have had great success with this system.

"SPOOKY" (Dunedin): Is there any means of attaching headphones to a seven-valve all-electric?

A.: Yes. Use a special output transformer. An audio transformer would be quite all right, the output being connected to the primary, and the headphones to the secondary. Otherwise a variable resistance shunted across the headphones would give you the desired result.

"ELECTRIC" (Dunedin): Why does my nine-valve a.c. set give purer reception on the harmonic than on the actual frequency of a station. Reproduction on the latter sounds distorted.

N.Z.'S OWN RADIO BOOKSHOP,

The TE ARO BOOK DEPOT, Wellington.

LOOK AT THIS LIST:—

"Radio Times" (English weekly), 4d, per copy.

"Radio Retailing" (U.S.A.) monthly, 1/9 per copy.

"Radio Manual," by Sterling and Kruse, 26/-.

"Practical Testing Systems," by Rider, 6/3.

"Worked Examples of Electrical Technology," by Peasgood and Boyland, 18/-.

"Radio Physics Course," by Ghirardi, 14/-.

"Radio News Handbook, 1930," 2/9.

"Radio News 1001 Radio Questions and Answers, 1930," 2/9.

"Radio News 101 Hook-ups," 1/9.

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

"The All-Electric Receiver," by "Listener-In" Publishing Co., 3/6.

"Radio: A Study in First Principles," by Burns, 11/-.

"Mathematics of Radio," by Rider, 10/6.

"Radio Operating Questions and Answers," by Nilson and Hornung, 14/-.

"Radio Amateur Handbook" (Handy's) latest edition, 5/3.

"Radio Amateur Call Book" quarterly, December, 1930, 5/3.

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

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

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

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

"Radio Data Charts," by Beatty, 7/9.

"Seeing by Wireless" (Television), by Ralph Stranger, 1/6.

"Collins's Wireless Diary, 1931," 4/-.

"Thermionic Vacuum Tubes," by Van der Bijl, 26/-.

"Radio Receiving Tubes," by Moyer and Westral, 14/-.

"How Radio Receivers Work," by Roberts, 8/-.

"Radio Design," 1/- per copy.

"Radio Engineering" (a monthly issue), 21/- per annum.

"Wireless, the Modern Magic Carpet," by Ralph Stranger, 4/9 (favourably reviewed by Editor "Radio Record").

"Radio Citizen's Call Book," quarterly, latest, January, 1931, 2/9.

Write us Now.

TE ARO BOOK DEPOT,

64 Courtenay Place, Wellington.

RADIO DIRECTORY

What to Buy and Where

CITIES

- | | |
|--------------------------------|----------------------------------|
| ACE and HAMMARLUND SETS, | Johns, Ltd. |
| WESTINGHOUSE Rectifiers | Chancery Street, Auckland. |
| BURGESS RADIO BATTERIES, | All Radio Dealers. |
| LOFTIN-WHITE AMPLIFIERS | Stewart Hardware Ltd., |
| | Courtenay Place, Wellington. |
| MAJESTIC RADIO RECEIVERS | Kirkcaldie & Stains, |
| | Wellington Agents, Lambton Quay. |
| MULLARD VALVES | All Radio Dealers. |
| N.Z. DISTRIBUTORS PILOT | Harrington's, N.Z., Ltd., |
| PARTS AND RECEIVERS, | 40-42 Willis St., Wellington. |
| INCLUDING PILOT SUPER-WASP and | 142 Queen St., Auckland. |
| GILFILLAN ELECTRIC RECEIVERS | |
| RADIOLA RECEIVERS and | Farmers' Trading Co., Ltd., |
| Expert Radiola Service. | Hobson Street, Auckland. |
| STEINITE RADIO | G. G. Macquarrie, Ltd., |
| | 120 Willis St., Wellington. |

COUNTRY TOWNS

- PHILIPS VALVES AND APPARATUS All Good Radio Dealers.

I find also that the more distant the station the better the tone.

A.: It appears that your set is too powerful, and the exceptional signal strength is overloading the detector, causing distortion. For those stations on which reception is better on the harmonic, try reducing the length of your aerial, taking it off altogether, or putting the .0002 fixed condenser in series with it.

NO GO (New Plymouth): Music and speech are blurred, and a sifting noise appears in my speaker when it is called upon to handle any volume. I am using a 112 as rectifier.

A.: The 112 has probably expended its useful life. Renew it and probably your reception will improve.

2. Do you know anything about my speaker?

A.: It can be adjusted by the factory representatives (A.W.W.), Wellington, but should not be touched by anyone else.

AERIAL" (Port Chalmers): My set is a seven-valve battery-operated one. Should it be able to receive stations beyond 2YA?

A.: Yes, with an efficient aerial and earth system you should be able to get all the YA stations, all the Australian "A" class, and quite a number of the more powerful "B" class on the loudspeaker. This is provided, of course, that your locality is normal.

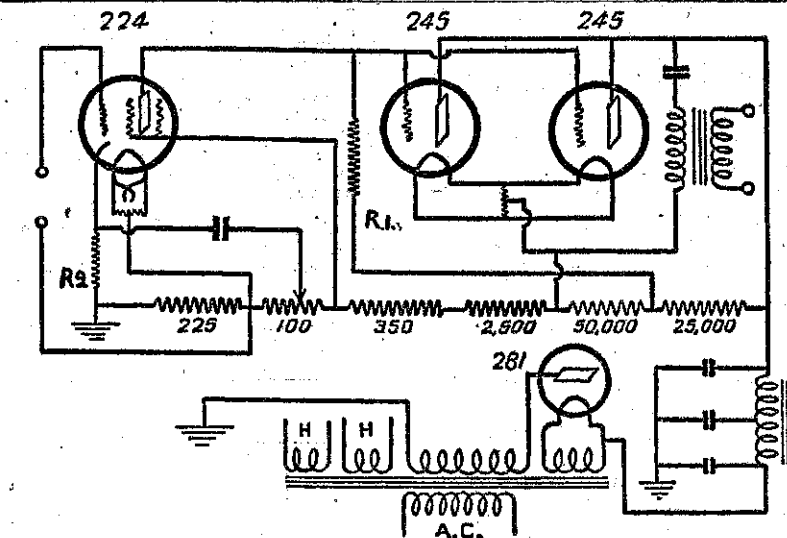
2. would two aeriels be better than one?

A.: No. Erect an efficient aerial, such as that described in the 1931 "Guide," which will be published shortly.

3. What would be the best method of increasing volume?

A.: If you cannot receive stations beyond 2YA, and your aerial and earth system is at all efficient, your set is not working correctly. Take it to an expert for overhaul.

4. What should the earth lead be connected to for best results?



The Loftin-White Amplifier with paralleled output valves.

A.: It should be as short as possible, not necessarily insulated, and connected to a water pipe or to a copper or galvanised iron rod driven into damp ground. Connections should be soldered.

"BEGINNER" (Auckland): If two-valve valves were used in the "Night Hawk" would the "B" battery voltage have to be reduced?

A.: No.

2. How many turns are required for the coil, and at which points are these connected on the UY valve holder?

A.: The making of the coil was fully described in the issues dated December 6 and January 30.

3. Should this set be able to bring in Wellington on the loudspeaker?

A.: Yes, see reply to above query.

"LITTLE WILLIE" (Oamaru): I am using a four-volt "A" battery for six-volt valves. Would it improve reproduction if I use a six-volt battery?

A.: Not very much, but sensitivity would be greatly increased. In fact, working on a four-volt battery, distance results would be almost impossible.

2. If I change to a six-volt battery and find no improvement would it harm the valves to change back to four volt?

A.: No, certainly not. But you won't change back.

OFTEN when results from a set fall off after a year or two's use it is not the set which is "wearing out," but simply the valves which are losing emission.

Radio in Japan

Language Problem

BROADCASTING is playing a curious role in the evolution of the Japanese language, which is not the same for all classes. Women are obliged to use different words from those employed by men, and, up till very recent times it was considered a very serious breach of etiquette for a woman to use masculine expressions.

On the other hand, the man who so far forgot himself as to pronounce certain words in the feminine way was scorned and despised. There are two complete sets of idiomatic phrases, each peculiar to one sex. Again, the language of the upper class is completely different to that of the lower—a master speaks in a different form to that used by his servant. A further peculiarity is that the written language is totally unlike that spoken, and hence the former cannot be adopted for broadcast purposes for the illiterate would not be able to understand a word.

The only solution to the difficulty appears to be the adoption for the use of all classes of a national language which will revolutionise Japan and break down the age-long barriers of caste and sex.

KNOW the time all over the world with a

DX Clock.

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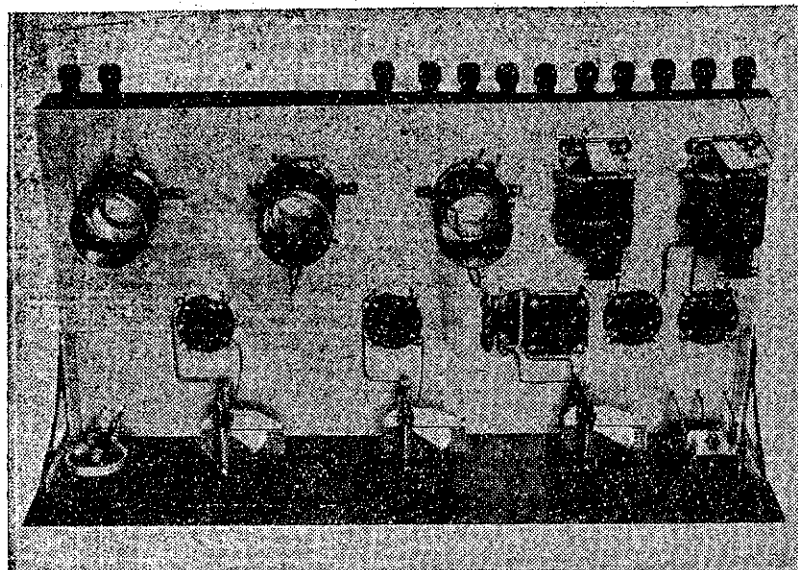
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VICTORIA STREET

::

WELLINGTON.

TO RADIO DEALERS: Write to either of the above for particulars of available dealer territory.



Photograph 1, showing the disposition of the baseboard components.

THIS set has been brought out at the request of a large number of readers who wanted an up-to-date version of the "Browning-Drake" circuit. There are several features that have been changed from the original, and their changing means that the original Browning-Drake is virtually non-existent. However, in the course of the description the method by which the older B.D.'s can be adapted to the circuit will be fully described.

The new features are the differential method of controlling reaction and the can method of shielding the coils. At this stage we have not reduced the

dials to one, mainly owing to the fact that there is some considerable difficulty in matching coils. Coil matching is not a difficult proposition when there is no reaction, but its use introduces complications, and, to be quite frank, at the present we have not been able to successfully balance the three coils. The first two do not present great difficulty, but the condenser controlling the detector coil is as much as 10deg. out at the bottom of the scale, although it is right in phase at the top. However, this difficulty will be overcome, and in a short time we shall bring out a single dial, or, at the most, a two-dial receiver.

We used differential reaction because it is best. Not only does it give smooth control, but it can be operated more easily than the older methods, with the result that oscillation can be minimised. With the screen-grid valves, the constructor need not be afraid of annoying his neighbours.

Another feature of this set is the provision of a third aerial tap leading in through a fixed condenser to the primary of the detector coil. This means that at the required station the

OUT-SPAN FIVE PARTS Lowest Prices

Ebonite panel, 21in. x 5in., 7/9;
Aluminium Base, 20in. x 10in. x 16 gauge, 6/6; three .00035 Variable Condensers, 5/6 each; Differential Condenser, .0002, 7/6; Five U.X. Valve Bases, 1/4 each; 30 ohms Rheostat, 2/3; .00025 Grid Condenser, 1/6 each; 2 megohms Gridleak, 1/-; two Inter-Valve Transformers, 3 $\frac{1}{2}$ ratio, 10/6 each; one foot of 2in tubing and 6in. of 1 $\frac{1}{2}$ in. tubing, 4/6 the lot; three copper Shield Cans, 3/3 each; 3lb. of 24 D.S.C. Wire, 1/10 per 4ozs.; one doz. Terminals, 3d. each; three Dials, plain, 1/-, best Vernier type, 6/6 each; Switch, 1/6; two 1m.f.d. Blocking Condensers, rated at 500 volts, 3/3; .001 Blocking Condenser rated at 500 volts, 1/6; 2 m.f.d. Blocking Condenser rated at 500 volts, 4/3; Radio Frequency Choke, 6/9; Single Jack, 1/3; two Angle Bracket, 3d. each; 3lb. 32 or 34 D.S.C. Wire, 3/9; 1 doz. Solder Lugs, 1 Doz. Nuts and Bolts, Wood Screws, 1/3 lot. 10/- orders Post Free.

SPECIAL. — Short-Wave Receiver,

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The "OUTSPAN

Simple, Powerful and Economical
Developed from the "Browning-Drake"

By the TECHNICAL EDITOR

two screen-grid valves can be cut out and a saving of power thus effected. Country listeners in favourable districts will also find this a great boon. Ample space has been allowed in the lay-out for varying-sized components and for variations in the lay-out. We suggest, however, that as far as possible our specifications be adhered to. A list of components is given and the constructor is advised to purchase them all and to carefully examine them to see that they are exactly as specified, and are in good order.

The Baseboard.

THE first actual task is drilling the panel. The position of the three dials, the two knobs, the switch, and

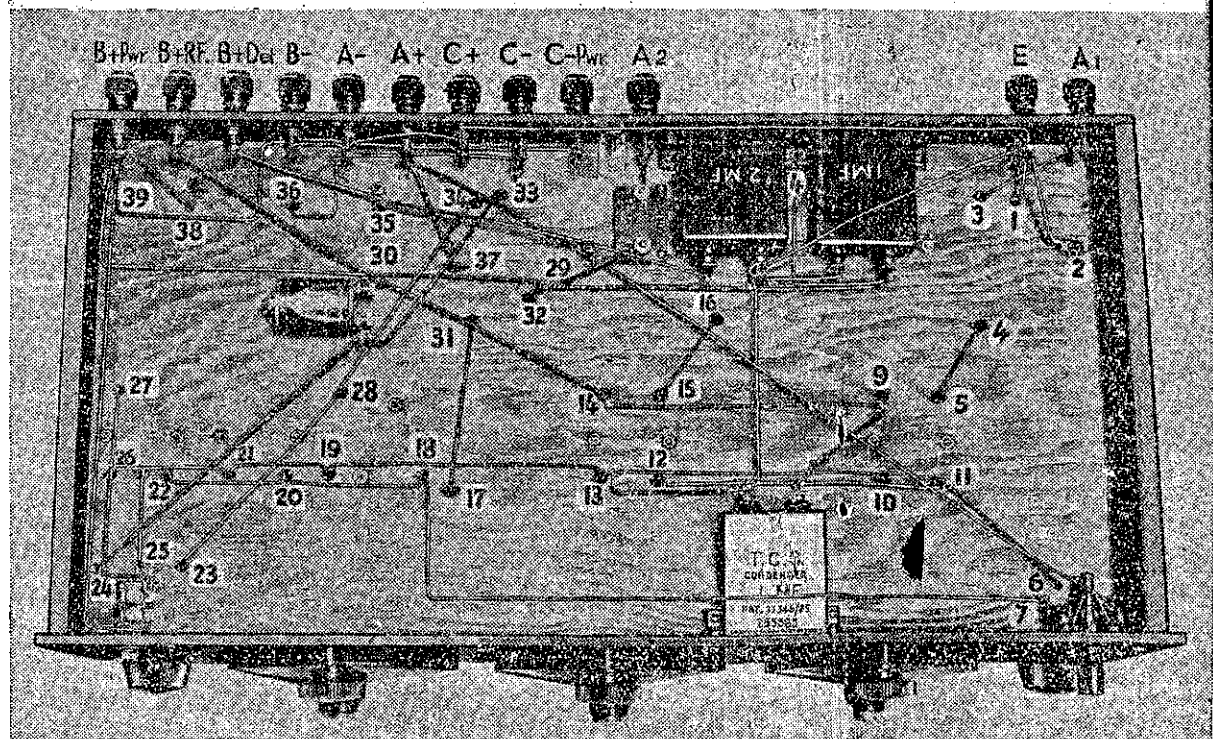
the speaker plug can be seen clearly from photograph 2, the front aspect of the set. The three dials are 4in. from the bottom and separated by 5 $\frac{1}{2}$ in. The rheostat on the left and the reaction control on the right are also 4in. from the bottom. The switch on the left and the plug on the right are 4in. from the bottom, and immediately under the rheostat and reaction control respectively. Having drilled the holes, fasten the rheostat, the reaction condenser, and the condensers in position.

The next task will be to lay out the components on the aluminium sub-panel. This requires some care, as although the parts are not crowded, still the constructor must remember that

shields have to come into position. A general idea of the lay-out can be obtained from photograph 1. Coils and transformers are placed in line at the back of the set, while in a straight line some 4in. away are the valves. They are quite in line from the first radio frequency to power valve. See that the valve sockets are turned round in the right direction. All filament terminals face the power valve while the grid and plate lie in a straight line on the more distant

Winding the Coils.

THE coils should now be wound. Divide a foot of 2in. tubing into three lengths for the secondaries, 1 $\frac{1}{2}$ in. tubing, 6in. long, into three



Photograph 4. A view of the under-baseboard wiring.

1. Earth terminal of aerial coil.
2. Shield.
3. Aerial terminal of coil.
4. Grid terminal first r.f. valve.
5. Grid terminal of first r.f. transformer.
6. From rheostat.
7. From switch to rheostat.
8. Screening grid of first r.f. valve.
9. A—first r.f. valve.
10. A—first r.f. valve.
11. A—first r.f. valve.
12. A—second r.f. valve.
13. A—second r.f. valve.
14. Screening grid second r.f. valve.
15. Grid of second r.f. valve.
16. Grid terminal of second r.f. coil.
17. Grid leak and condenser, coil side.
18. A—detector valve.
19. A—detector valve.
20. A—first audio valve.
21. A—first audio valve.
22. A—second audio valve.
23. Differential condenser fixed vanes.
24. Differential condenser fixed vanes.
25. Differential condenser moving vanes.
26. A—power valve.
27. Plate terminal of power valve.
28. Plate terminal of detector valve.
29. Plate terminal of regenerator.
30. Plate terminal of first audio transformer.
31. Grid terminal of regenerator.
32. B regenerator.
33. Regeneration coil.
34. Regeneration coil.
35. B—first audio transformer.
36. G.B. first audio transformer.
37. End of secondary regenerator (return).
38. B—second audio transformer.
39. G.B. second audio transformer.
40. (Between condensers reading B—second r.f. transformer.

SPAN FIVE"

and Economical

"Browning Drake"

ICAL EDITOR

shields have to come into position. A general idea of the lay-out can be obtained from photograph 1. Coils and transformers are placed in line at the back of the set, while in another straight line some 4in. away are all the valves. They are quite in order from the first radio frequency to the power valve. See that the valve sockets are turned round in the right direction. All filament terminals face the panel, while the grid and plate lie in a straight line on the more distant side.

Winding the Coils.

THE coils should now be wound.

Divide a foot of 2in. tubing into three lengths for the secondaries and 1½in. tubing, 6in. long, into three sec-

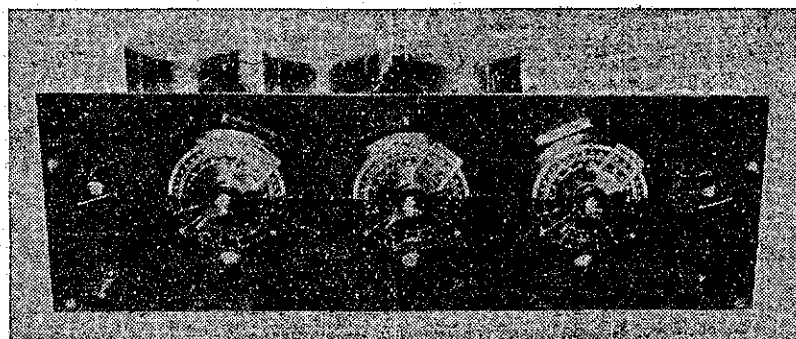
tions for the primaries. The method of winding the coils is left to the constructor, each one of whom will probably have his own ideas. We find the easiest way is to start by drilling two fine holes and threading the wire through these, then wind on the required number of turns and finish off through two coils. It is an advantage to bring out the ends at certain specified places, as this simplifies the wiring. For instance, in the first coil, the top and bottom are brought out on the one side and solder lugs attached quite close to one another. When mounted these will face the panel. The number of turns on this coil when wound with 26 gauge wire is 75.

In winding the first r.f. coil the top is brought out on one side and the bottom about 1½in. further round and as close as possible to the point where the foot is to be attached. This end is earthed so its proximity to the foot will be a decided advantage. On this coil are wound 80 turns.

For the third r.f. coil a little space must be left at the top on which to wind the reaction coil. The bottom and top of the main coil are brought out quite close together. Seventy-five turns should be wound on this secondary. Leave a space about 1-8in. and wind on another 30 turns of 32 s.w.g. wire; bring the ends out about 1in. round from the secondary terminals. When mounted these two will be between the back of the set and the two secondaries toward the front and left. The primary coils are now wound separately. For the aerial coils 25 turns of 34 gauge are wound, the ends threaded through the former and brought out ready to be attached to solder lugs on the main former. Both ends should be near one another. The same applies to the other three coils, but 30 turns are wound upon each. All coils are wound in the same direction.

In mounting the primary inside the secondary former some means of holding it in position will be required. We have found that little pieces of ebonite tubing are quite useful for this purpose.

Roughly speaking, the bottom of the primary coil should come opposite to the bottom of the secondary coil. In the case of the first coil turn the former round until the two ends are opposite the two lugs already on the former. These are then taken out to solder lugs. The bottom of the aerial coil and the bottom of the secondary coil are joined and these are earthed, a suitable connection for which may be the foot that is attached to the coil. In the case of the secondary coil, the small former is arranged so that both taps come out to the back of the coil,



Photograph 2 (upper) shows the front panel layout.

Photograph 3 (lower) is a back view of the set.

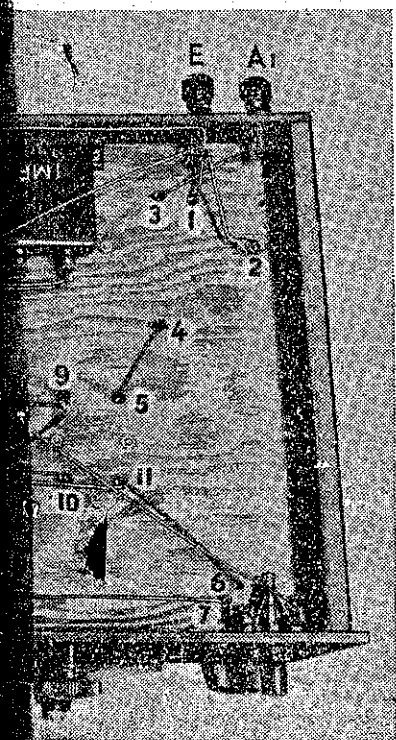
that is, the side directly opposite to its existing terminals. In the third coil the two must come out close to the two ends of the main coil. When this coil is placed in position these four terminals face the panel and the two regeneration taps are at the back. If English type screen-grid valves are used, the top ends of the second and third coil are connected to flexible leads which are taken to terminals at the top of the valves. If American valves are used these go to the appropriate plate terminals on the first and second r.f. valve bases and the tops of the main coils are connected with the terminals on the top of the valves. A suitable connection may be made from the fixed plates of the moving condensers.

The diagram of the third coil will be of considerable assistance to those who make their own coils. Those who do not feel equal to the task (it is really quite a simple one) can obtain them already made for quite a very reasonable sum.

Cut a piece of ebonite the length of the sub-panel and 1½in. deep. On the

left hand end drill 10 holes and mount the terminals. The designations of these are quite clearly seen from the photograph showing the underneath wiring (4). On the right hand end drill two holes for the aerial and the earth. Two pieces of ½in. timber will be required for the sides of the base. These will be 9½in. x 1½in. Fasten the aluminium to a piece of three-ply of equal size and mount panel and sidepieces. Angle brackets will hold the panel and sub-panel together, as can be seen from the photographs. Actually the aluminium sub-panel will be 1½in. from the bottom of the front panel. This is to allow for wiring and components to be placed underneath and to protect the wire from damage. At this stage fit the valve sockets and the coils and transformers on the sub-panel in the positions indicated in the photograph. These are bolted right through the three-ply and the aluminium. The grid-leak and the condensers are likewise attached, but there is no

(Concluded on page 29.)



- Fig.
30. Plate terminal of first audio transformer.
31. Grid terminal of regenerator.
32. B regenerator.
33. Regeneration coil.
34. Regeneration coil.
35. B+ first audio transformer.
36. G.B. first audio transformer.
37. End of secondary regenerator (det. return).
38. B+ second audio transformer.
39. G.B. second audio transformer.
40. (Between condensers reading "4") B+ second r.f. transformer.

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|---|-------------|--|---------------|
| 1 Ebonite Panel, Black or Mahogany, 21in. x 7in. | 7/6 | 1lb. 24 D.S.C. | 2/6 |
| Aluminium Base, 20in. x 10in., 3/6 | | 1 doz. Large Belling Lee Marked, 8/9 | |
| 3 .00035 Condenser, Formo or Lotus | each 7/6 | Switch, Ormond | 1/6 |
| 3 Ormond Black Vernier Dial, each | 6/6 | 2 1 M.F.D. T.C.C. Condensers | each 3/1 |
| 1 Lotus Differential Condenser, 8/- | | 1 .001 T.C.C. | 1/8 |
| 5 U.X. Valve Sockets at 1/6 | 7/6 | 2 M.F.D. T.C.C. | 4/2 |
| 1 30. Ohm Rheostat | 3/- | 1 McMichael R.F. Choke | 6/- |
| 1 Grid Leak and Condenser Tee, 3/- | | 1 Insulated Jack | 1/8 |
| 2 Ferranti A.F. 4 Transformers | each £1/2/6 | 1 Pair Brackets | 1/10 |
| 1 Set "Our Special" Coils, £1/5/- | | 1lb. D.S.C. 32 S.W.G. | 3/6 |
| 2in. Tubing, 3/- per ft.; 1½in. Tubing, 3/- per ft. | | 1 3-ply Base Board | 2/6 |
| 3 Shield Cans | each 3/- | Solder Lugs | per doz., 3d. |
| | | Bolts and nuts, ½in. long, per doz., 6d. | |
| | | Glaizite Wire, etc., Interstage Stage Shield for Coil | 3/6 |
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FEATURE PEEPS

... at ...

FUTURE PROGRAMMES

SUNDAY

From Auckland

THE divine service to be conducted in the Baptist Tabernacle will be relayed, the preacher being the Rev. Joseph Kemp and the organist and choirmaster Mr. Arthur E. Wilson. This will be followed in the evening with a relay of the Municipal Band concert from Albert Park, under the conductorship of Mr. George Buckley.

Wellington Notes

THE evening service from St. Thomas's Anglican Church will be relayed. The preacher will be the Rev. C. V. Rooke and the organist and choirmaster Mr. W. A. Gatheridge.

The chief feature of the concert programme will be a 'cello recital by the well-known virtuoso, Mr. George Eliwood. He has included among his numbers the popular "Chanson Hindu" (by Rimsky-Korsakoff), and "Arlequin" (by Popper).

The Artillery Band, under Captain Herd, will play some fine selections, as well as accompanying cornet solos and duets.

Christchurch Features

THE Rev. T. W. Armour will be the preacher at Knox Presbyterian Church on Sunday evening. The service will be relayed. Mr. A. G. Thompson is choirmaster and Miss Victoria Butler organiste.

An open-air band concert will follow, contributed by the New Brighton

Municipal Band under Conductor J. A. Nuttall.

Dunedin Items

THE evening service in Trinity Methodist Church, Moray Place, will be relayed. The Rev. H. E. Bellhouse will be the preacher and Mr. James Simpson the choirmaster.



MRS. ELSIE LLOYD.

who will be associated with Mr. Victor S. Lloyd in the production of "She Was No Lady," to be featured at the forthcoming earthquake relief concert from 2YA.

A studio concert will follow. Miss Olga E. Wynne (soprano) will sing four songs from the cycle "On Jhelum River." The instrumental portion of the programme, to be provided by the Salon Orchestra under Mr. A. H. Pet-

titt, will include a suite by Dvorak and a suite by Handel.

MONDAY

From 2YA

FROM the Town Hall will be relayed a special concert programme by well-known performers, under the direction of Mr. Victor Lloyd and Mr. Leon de Mummy.

Christchurch Features

AT 7.40 p.m. Mr. H. M. Bell, M.A., will give an "Esperanto" talk.

A new departure is being made this evening, when at St. Albans Park an open-air dance programme is to be given. The music will be supplied by the New Brighton Municipal Band. Foxtrots, waltzes, Boston two-steps, one-steps and slow foxtrots will be played. There will be numerous interludes by Mr. George Titchener.

Notes from 4YA

A SPECIAL programme, entitled "An English Ballroom Scene in the Eighties," will be presented this evening. Some of the ballroom dances presented by Daggs' Band will be the d'Albarts, polonaise, polka, quadrilles, Varsovianna, and waltz.

Those listeners who can remember such delightful songs as "Two Little Girls in Blue," "If Those Lips Could Only Speak," "On the Ball," and a host of other well-written melodies of a bygone era, will be able to sit back and enjoy reminiscences.

A quartet of artistes, the Harmonists, will provide the vocal section of the evening's entertainment. Such quartets as "All Through the Night," "Robin Adair," "Old Folks at Home," "Soldiers' Chorus" from Faust, and "Home, Sweet Home," will add to the old-world atmosphere of the evening. The National Anthem will be rendered by the quartet party at the conclusion of the programme.

TUESDAY

Auckland Notes

MRS. Les. Crane will continue her afternoon talks on "Beauty of Mind and Body in Relation to Diet."

Miss Merle Miller, of Christchurch, studio pianiste at 3YA and an exceptionally fine dramatic mezzo-soprano, will give a vocal recital at 1YA. While in Sydney, Miss Miller, taking the part of Selhel, sang with Joseph Hislop in a presentation of "Faust." Her recital to-night will comprise five songs.

The instrumental side of the programme will be provided by Mr. Cyril

THE WEEK

Special Relay Concert

2YA, MONDAY.

"In the 'Eighties"

4YA, MONDAY.

"Rent Free"

WEDNESDAY.

The Laloma Quartet

1YA, THURSDAY.

"Galapagos"

4YA, FRIDAY.

Towsey (pianist) and the Studio Orchestral Octet under Mr. Harold Baxter. Among their numbers will be the march "Great Big David," "In a Persian Garden," "Welsh Melodies" and "Dance of the Tumblers." From 9.30 till 11 there will be a session of dance music.

From Wellington

IN contrast to 1YA's operatic-classical programme, 2YA has a concert of light variety. Mr. Jack Farrell and his banjo quintet will play some assorted numbers. Mr. W. Haydock, violinist, will play Tschalkowsky's "Melodie," with orchestral accompaniment. The programme to be presented by the Salon Orchestra under Mr. M. T. Dixon will include the overture "Russian Dances," by Bortkiewicz.

4YA Notes

MISS Cicely Audibert will be singing again this evening.

The Saxophone Band will provide all the instrumental portion of the evening's programme. This combination contains at least 20 saxophonists, under the direction of Mr. J. McCaw, the well-known conductor of the Savoy Dance Orchestra, and has reached an exceptionally high standard. The sel-



MR. VICTOR S. LLOYD.

One of the organisers of the special concert in aid of the earthquake relief fund.

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"The Big Radio Store"

L. B. SCOTT LTD., Manchester St., Christchurch

lections on this occasion will include popular waltzes, marches, and foxtrots, with a quartet and solo to add variety.

WEDNESDAY

Auckland Notes

A TALK on "Physical Culture" will be given by Mr. Norman Kerr.

Mr. Reg. Morgan and his orchestra will provide the instrumental portion of the popular concert this evening. A wide selection of items will be presented, including fox-trots and a number entitled "Old-Time Waltz Memories." "Vienna—the City of Music," will be the title of a lecture-recital by Mr. Karl Atkinson.

From Wellington

THE fourth of the series of international programmes will be presented this evening. Dr. Guy H. Scholefield, O.B.E., will give a talk.

Christchurch Features

FEATURING on this evening's programme will be the Mascots, a clever duo, who will present the first part of a serial sketch, entitled "Rent Free."

Dunedin Notes

THE afternoon talk by the Home Science Extension Department of Otago University will be on "Kitchen Talks." At 7.15, Mr. G. A. Holmes will speak to farmers on "Autumn Top-Dressing."

Miss Cicely Andibert will give her third Dunedin recital this evening. Opening the programme will be "Tintagel" as recorded by the New Symphony Orchestra, and the performance of this wonderful combination is a delight to music-lovers. Modernity is expressed, not only in the work itself, but also in the interpretation given it by this brilliant orchestra. It is the work of Arthur E. Trevor Bax, the English composer.

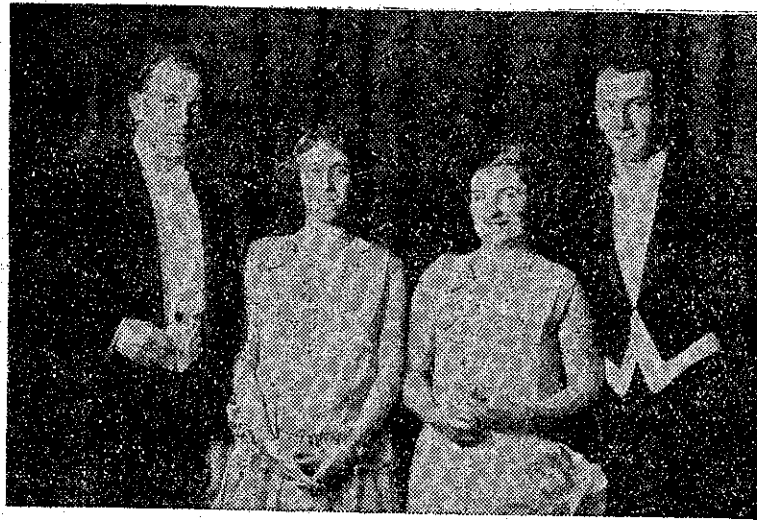
The Instrumental Trio is to present selections from Mendelssohn, Widor and Schubert, whilst the trio pianist, Mr. Max Scherek, who, incidentally, is the president of the Otago Society of Professional Musicians, is playing Chopin's "Ballade in A Flat." The Schubert extract is that delightful scherzo from Schubert's "Trio in E Flat," opening in perfect canon form, with the answer one bar behind the subject for a considerable number of measures. The strings announce the answer in unison, while the piano, in scherzando form, presents the subject. The whole effect is beautiful and will afford the keenest enjoyment to musical critics listening-in.

THURSDAY

1YA Features

AT 7.40 p.m. from 1YA, Mr. H. Driver will give a book review.

1YA is very fortunate in securing the services of the Laloma Quartet, a combination of Islanders who toured Australia recently under a long engagement to the Union Theatres. They had excellent receptions wherever they appeared. Many of the numbers which they will sing from 1YA are traditional Polynesian melodies, and will be given with splendid effect by these talented artists.



THE ARIEL SINGERS.

Mr. R. Hill, Miss J. Briggs, Miss N. Coster, Mr. J. M. Caldwell, who will take part in the special concert for earthquake to be broadcast by 2YA next week. —S. P. Andrew, photo.

2YA Notes

WELLINGTON'S civic reception to Lord and Lady Baden-Powell, which is to take place in the Town Hall, will be broadcast.

Christchurch Features

A VERY bright programme will be provided this evening by the Studio Octet and assisting artists. Mr. Pitama will speak on "The Evolution and Development of Maori Music."

From Dunedin

A CONCERT programme of sea songs will be followed by the presentation of the sea story "Galapagos." The vocalists, Messrs. O. L. Garden, W. Ruffell, Harry Mitchell, and F. C. Cooper will sing sea chancies, "Glorious Devon," "Trade Winds," "The Mighty Deep," and "Drake Goes West."

Instrumental items will include the selections, "H.M.S. Pinafore" and "Nautical Moments." Two humorous recitals will be given by Miss Anita Winkel.

SATURDAY

Auckland Notes

A GROUP of four Welsh songs will form part of the programme this evening. The singer will be Mr. Reg. Morgan, baritone, who was born in South Wales and received his musical training there. A new vocalist to be heard will be Miss Betty Zukerman, soprano. A humorous elocutionary number and a burlesque lecture will be given by Mr. Zante Wood. Eric and Jack will provide novelty piano and vocal items.

The programme by the Orchestral Octet will include the march, "Nelson's Call," the waltz "Sylvia," Myddleton's "Scottish Memories," "Hungarian Lustspiel," two South American tunes, a characteristic piece, Von Blon's "Traumbild," and two intermezzos.

From 1YA

THE Lyric Male Voice Quartet, with Miss Flora MacKenzie in songs at the piano, will provide the vocal portion of the programme. The quartets will be: "Richard of Taunton Dene,"

"Mysterious Mose" and "Boot and Saddle."

Mr. Norman Izett will provide novelty piano items and a clarinet solo, "Alicante," will be played by Mr. H. Langtry. Many popular numbers, several of them being from musical plays, will be provided by the Salon Orchestra, under Mr. M. T. Dixon.

From Christchurch

THE evening's programme, which will be broadcast by 4YA also, will be bright and varied. A description of the New Zealand amateur athletic championship events will be broadcast.

Topical Notes

"SWITCH," in common with several other listeners, has been troubled lately with a peculiar form of local interference which sounds like slow Morse code, but which is probably some kind of electrical leakage in the city. It is more pronounced on windy nights, but a survey of the vicinity has failed to discover a blinking street light. The disturbance is most annoying to those who desire to reach out beyond New Zealand.

THE mention of the word "America" to some individuals is akin to waving a red rag at a bull. Therefore it is to be expected that these individuals should become slightly annoyed when 2YA, Wellington, abolishes the Wednesday silent night and substitutes a programme mainly comprising American items. "Switch" found the international programme thoroughly entertaining and of a high order of merit. Besides several of the items were European compositions.

"SWITCH" must, however, quote still another instance of the peculiarities of certain people who are antagonistic to the broadcasting of anything American because it is not British. A prominent Wellington listener, who affects the above view, owns a motor-car made by an American company, and a radio set American-built, with American loudspeaker and valves. Yet, he is forever condemning everything American in the form of entertainment.



MISS EVELYN ROBINSON, one of Wellington's most colourful contraltos. She performs regularly from 2YA.

—Andrew, photo.

FRIDAY

From Auckland

MR. SIMON PHILIPPOFF, the Russian musician who has been touring the world with his balalaika, will give a recital of three numbers as his contribution to the evening's programme. Fox-trots and waltzes will be played by the Zealandia Novelty Instrumental Quartet, and the popular Asquiths will provide a twenty-minute drawing-room entertainment.

Full Programmes for Next

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

Sunday, February 22

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, FEBRUARY 22.

- 3.0 : Selected gramophone recordings.
 3.15 : Literary selection by the Announcer.
 3.25 : Further selected gramophone recordings.
 6.0 : Children's song service, conducted by "Uncle Bert."
 7.0 : Relay of divine service from the Baptist Tabernacle. Preacher, Rev. Joseph Kemp. Organist and Choirmaster, Mr. Arthur E. Wilson.
 8.30 (approx.) : Relay of Municipal Band Concert from Albert Park, under the Conductorship of Mr. George Buckley.
 10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, FEBRUARY 22.

- 3.0 : Afternoon session of selected gramophone recordings.
 6.0 : Children's song service, conducted by "Uncle George," assisted by the Children's Choir from Lyall Bay Baptist Church.
 7.0 : Relay of evening service from St. Thomas's Anglican Church. Preacher, Rev. C. V. Rooke. Organist and Choirmaster, Mr. W. A. Gatheridge.
 8.20 (approx.) : Studio Concert by the Wellington Artillery Band (Conductor: Captain T. Herd) and 2YA Artists.
 March—The Band, "Back to Camp" (Blankenburg).
 Overture—"The Golden Sceptre" (Greenwood).
 Tenor—Mr. Eric Rishworth, "Love's Message" (Schubert).
 Violin—Mr. Leon de Mauny, (a) "Nocturne" (Chopin-Sarasate); (b) "Minuet in D" (Mozart); (c) "Liebesfreud" (Kreisler).
 Contralto—Miss Nora Greene, "The Fortune Hunter" (Willeby).
 Cornet with band accompaniment—Sergt. W. H. Bowman, "Scenes that are Brightest" (from "Maritana") (Wallace).
 Weather report and station notices.
 Bass—Mr. J. M. Caldwell, (a) "Hear My Prayer" (Dvorak); (b) "I Will Sing New Songs of Gladness" (Dvorak).
 March—Band, "The Minners Kelly" (Greenfield); Moreceau, "Summer Breezes" (Beyer).
 Contralto—Miss Nora Greene, (a) "Restless Love" (Schubert); (b) "What the Chimney Sang" (Griswold).
 Cornet duet with band accompaniment—Sergts. Bowman and Johnston, "Good-bye" (Brown).
 Tenor—Mr. Eric Rishworth, (a) "The Fairies' Love Song," (b) "The Milking Croon" (from "Songs of the Hebrides") (Kennedy-Fraser).
 Selection—State Opera Orchestra, Berlin, "Der Rosenkavaller."
 Bass—Mr. J. M. Caldwell, (a) "God Is My Shepherd" (Dvorak); (b) "Sing Ye a Joyful Song" (Dvorak).
 Selection—San Francisco Symphony Orchestra, "Valse de Concert."
 Selection—Band, "La Sonnambula" (Bellini).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, FEBRUARY 22.

- 3.0 : Gramophone recital.
 5.30 : Children's song service by children from Presbyterian Sunday Schools.
 6.15 : Chimes from studio.
 6.30 : Musical recordings.
 7.0 : Relay of evening service from the Knox Presbyterian Church, Bealey Avenue. Preacher, Rev. T. W. Armour. Organiste, Miss Victoria Butler, L.A.B., A.T.O.L. Choirmaster, Mr. A. G. Thompson, B.A.
 8.15 (approx.) : Relay of open-air band programme from a city band rotunda by the New Brighton Municipal Band (Conductor, J. A. Nuttall) and assisted by 3YA artists.
 March—Band, "Stedfast and True" (Teike); Waltz Song, "Carolina Moon" (Wright).
 8.25 : Tenor—Mr. David McGill, (a) "Thank God for a Garden" (Del Riego); (b) "The Star of Bethlehem" (Adams).
 8.31 : Fantasia—Band, "Spirit of Youth" (Greenwood).
 Cornet—Bandsman H. Barsby and Band, "A Perfect Day" (Bond).
 8.43 : Baritone—Mr. Clive Hindle, (a) "Spanish Gold" (Fisher); (b) "Captain Mac" (Sanderson).
 8.49 : Selection—Band, "The Spring Chicken" (Monckton).
 9.1 : Weather forecast and station notices.
 March—Band, "United Services" (Clough).
 Scottish romance—Band, "The Piper's Wedding" (Thayne).
 9.12 : Tenor—Mr. David McGill, "Annie Laurie" (Lehmann).
 9.16 : Hymn—Band "Abide with Me" (Monk).
 9.19 : Serenade—Band, "La Paloma" (arr. McAnnay).
 9.24 : Baritone—Mr. Clive Hindle, "Four Jolly Sailormen" (German).
 9.28 : March—Band, "Boulder City" (Hume).
 9.32 : From the studio:
 Selection—Court Symphony Orchestra, "In Venice" (Sellars).

- 9.36 : Baritone—Peter Dawson, "The Erl King" (Schubert).
 9.40 : Cornet—Jack Mackintosh, "Silver Shower" (Rimmer).
 9.43 : Choral—B.B.C. Choir and Symphony Orchestra, "Pilgrims' Chorus."
 9.47 : Selection—J. H. Squire Celeste Octet, "Memories of Mendelssohn."
 9.55 : Negro spiritual—Turner Layton, "Were You There" (Traditional).
 9.58 : Selection—Chicago Symphony Orchestra, "Roses of the South."
 10.2 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, FEBRUARY 22.

- 3.0 : Selected recordings.
 5.30 : Children's song service, conducted by "Big Brother Bill."
 6.15 : Selected recordings.
 6.30 : Relay of evening service from Trinity Methodist Church, Moray Place, Dunedin. Preacher, Rev. H. E. Bellhouse. Choirmaster, Mr. Jas. Simpson.
 7.45 : Selected recordings.
 8.15 : Suite—Salon Orchestra (1) Moderato, (2) Moderato Vlyoce, (3) Allegretto, (4) Andante, (5) Allegro (Dvorak).
 8.30 : Baritone—Mr. Arthur W. Alloo, (a) "The Praise of God" (Beethoven); (b) "Thou'rt Passing Hence" (Sullivan); (c) "The Carpet."
 8.40 : Selections—Salon Orchestra, "Symphony No. 4" (The Italian Symphony) (Mendelssohn).
 8.50 : Contralto—Miss Irene Hornblow, L.R.A.M., (a) "Sylvain" (Sinding); (b) "Cloths of Heaven" (Grunhill); (c) "Ave Maria" (Schubert).
 9.0 : Weather report and station notices.
 9.2 : Selection—St. Hilda Colliery Prize Band, "Ballet Egyptien" (Luigini).
 9.14 : Tenor—Mr. H. Prowse, (a) "Sound an Alarm" (from "Judas Macabaeus") (Handel); (b) "Who is Sylvia?" (Schubert); (c) "Passing By" (Purcell).
 9.24 : Violin—Miss Ethel Wallace, "Legende" (Wieniawski).
 9.27 : Negro spiritual—Paul Robison and Lawrence Brown, "Ezekiel Saw de Wheel" (arr. Brown).
 9.30 : Suite—Salon Orchestra (1) Polonaise, (2) Arietta, (3) Passacaglia.
 9.42 : Soprano—Miss Olga E. Wynne, "Four Songs from the Song Cycle 'On Jhelum River'" (Woodforde Finden).
 9.52 : Selection—Vienna Philharmonic Orchestra, "Morning, Noon and Night in Vienna" (Suppe).
 10.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, FEBRUARY 22.

- 6.0 : Children's service.
 8.15 : Studio concert.

Monday, February 23

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, FEBRUARY 23.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, FEBRUARY 23.

- 3.0 : Chimes. Selected gramophone recordings.
 3.30 and 4.30 : Sporting results to hand.
 5.0 : Children's session conducted by "Uncle Jeff."
 6.0 : Dinner music session:
 New Light Symphony Orchestra, "Scene de Ballet—Marionettes."
 Berlin State Opera Orchestra, "Polonaise No. 2" (Liszt).
 Marek Weber's Orchestra, "Potpourri of Waltzes" (Robrecht).
 National Symphony Orchestra, "Fra Diavolo" Overture (Auber).
 Piano—Vladimir de Pachmann, (a) "Mazurka in C Sharp Minor," (b) "Mazurka in A Minor" (Chopin).
 Trio—De Groot, David Bor, H. M. Calve, "El Religario" (Padilla).
 Band of H.M. Coldstream Guards, "Martha" Selection (Flotow).
 New Symphony Orchestra, "Air on G String" (Bach).
 Marek Weber and Adlon Orchestra, "The Rose-Bearer" (R. Strauss).
 New Light Symphony Orchestra, "Persiflage" (Francis).
 New Symphony Orchestra, "Londonderry Air" (arr. Grainger).
 Trio—De Groot, David Bor, H. M. Calve, "Selection in Hebrew Melodies" (arr. Saunders).
 7.0 : News session, market reports and sports results.
 8.0 : Chimes. Relay from the Town Hall of a special concert arranged by Mr. Victor Lloyd and Mr. Leon de Mauny.
 10.0 (approx.) : Dance programme:
 Foxtrots—Hal Swain's Cafe Royal Band, "Dance of the Paper Dolls."
 Ted Wallace and His Campus Boys, "Jericho" (Meyers).
 Hal Swain's Cafe Royal Band, "Petticoat Lane."
 Waltz—The Columbians, "Christina" (Gottler, Mitchell).

Week-all Stations-to Feb. 29

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- 10.12: Foxtrots—Will Prior and His Stage Band, "Old-Fashioned Rose."
Stellar Dance Band, "Sweetheart of All My Dreams."
Vocal duet—Ford and Glenn, "Tin Pan Parade."
10.21: Foxtrots—Jan Ralfini and His Band, "Deep Night."
Stellar Dance Band, "Honey" (Simons).
Jan Ralfini and His Band, "Fashionette."
The Harmonians, "Little Pal" (De Sylva).
10.33: Waltzes—Rudy Vallee and His Connecticut Yankees, "By and By, Sweetheart" (Valentine).
Bar Harbour Society Orchestra, "Celia" (Whiting).
Foxtrots—Rudy Vallee and His Connecticut Yankees, "Caressing You."
Will Prior and His Stage Band, "I Faw Down an' Go Boom."
10.45: Vocal duet—Billy Jones and Ernest Hare, "Spring is Here."
Foxtrots—Paul Specht and His Orchestra, "The Things That Were Made for Love" (Tobias).
Ted Wallace and His Campus Boys, "I've Got a Feeling I'm Falling" (Link).
Ipana Troubadours, "Old-Fashioned Lady" (Silver).
Waltz—The Columbians, "Pagan Love Song" (Brown and Freed).
11.0: God save the King.

3YA, CHRISTCHURCH (930 KILOCYCLES)—MONDAY, FEBRUARY 23.

- 3.0: Gramophone recital.
4.25: Sports results.
5.0: Children's hour, conducted by "Cousin Margot and the Mystery Man."
6.0: Dinner music session.
The Classic Symphony Orchestra, "Raymond Overture" (Thomas).

THREE GUESSES!

Will Stewart-Warner Radio win the Biggest Radio Contest in New Zealand—The D.X. Contest?

Watch next week's issue for further particulars.

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Division
WELLINGTON.

Band of the Garde Republicaine "The Two Pigeons" (Messenger):
(1) Entrance of Tziganes, (2) Scene and March of the Two Pigeons.

Herman Finck's Orchestra, "Schubertiana" (arr. Finck).
Musical Art Quartet, "To a Wild Rose" (McDowell).
The Rhythmic Troubadours, "Song of the West" Selection.
London Theatre Orchestra, "Maid of the Mountains" Selection.
Rhythmic Troubadours, "Puttin' on the Ritz" Selection.
Rio Novelty Orchestra, "Spaventa-Tango" (Pares and Van Parys).
Herman Finck's Orchestra, "Schubertiana" (arr. Finck).
Musical Art Quartet, "Mighty Lak' a Rose" (Nevin).
Rio Novelty Orchestra, "Mientras Llora el Tango."

- 7.0: News session.
7.30: Talk—Mr. N. M. Bell, M.A.B.D., "Esperanto."
8.0: Special open-air dance programme, Dancing on the Green, at St. Albans Park. Dance music supplied by the New Brighton Municipal Band. Mr. George Titchener, humorist, will appear.
Foxtrots—Band, (a) "Colombo" (Nicholls); (b) "Virginia" (Phillips); (c) "Sing-Song Girl" (Nicholls).
Waltzes—Band, (a) "Forever True" (Pecorini); (b) "Just Plain Folk" (Gilbert).
Boston two-step—Band, (a) "Stein Song" (Colcord); (b) "Around the Corner" (Hassell); (c) "Shananki Da" (Carlton).
Foxtrots—Band, (a) "Melancholy" (Campbell); (b) "Sunshine of Marseilles" (Nicholls); (c) "My Inspiration is You" (Nicholls).
Waltzes—Band, (a) "Blue Danube" (Strauss); (b) "Donnan Wellen."
One-steps—Band, (a) "Toiling Around the Garden" (Wright); (b) "Raggin' Thro' the Rye" (Adams); (c) "You're in Style" (Bahn).
9.0 (approx.): Weather forecast and station notices.
Slow foxtrots—New Brighton Municipal Band, (a) "I Ain't Never Been Kissed" (Gilbert); (b) "Honey" (Simond); (c) "Saskatchewan" (Gilbert).
Waltzes—Band, (a) "Lazy Louisiana Moon" (Donaldson); (b) "Sleepy Valley" (Hanley).
Foxtrots—Band, (a) "Sing Me to Sleep" (Ager); (b) "Happy Days" (Ager); (c) "You're a Real Sweetheart" (Ager).
God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, FEBRUARY 23

- 3.0: Selected recordings.
5.0: Children's hour, conducted by "Big Brother Bill."
6.0: Dinner music session.
J. H. Squire Celeste Octet, "Operatica" (arr. Squire).
Band—The Bombardiers, "Hungarian Dance, No. 5" (Brahms).
Orchestre Symphonique de Paris, "L'Arlesienne Suite—Adagietto."
Regal Orchestra, "Pagliacci" Selection (Leoncavallo).
J. H. Squire Celeste Octet, "Song of the Waterfall" (Squire).
Orchestre Symphonique de Paris, "L'Arlesienne Suite—Entr'acte le Carillon" (Bizet).
London Theatre Orchestra, "A Country Girl" Selection (Monckton).
Band—The Bombardiers, "Hungarian Dance, No. 6" (Brahms).
Orchestre Symphonique de Paris, "L'Arlesienne Suite—Intermezzo."
Regal Cinema Orchestra, "Show of Shows" Selection.
J. H. Squire Celeste Octet, (a) "Scent of the Jasmine" (Squire); (b) "Two Eyes of Grey" (McGeoch).
Orchestre Symphonique de Paris, "L'Arlesienne Suite—Entr'acte, La Cuisine de Castelet" (Bizet).
7.0: News session.
8.0: Chimes. Studio programme of old-time dance music by Dagg's Band; assisted by 4YA artists and Miss Cicely Audibert.
D'Alberts—Dagg's Band, "Real Old-timers" (arr. Dagg).
8.16: Tenor—Mr. H. A. Johnston, "Then You'll Remember Me" (Balfe).
Vocal quartets—The Harmonists, (a) "All Through the Night" (Traditional); (b) "Robin Adair" (Fletcher).
8.26: Polonaise—Dagg's Band, "Old-time Melodies" (arr. Dagg).
8.38: Soprano—Miss Cicely Audibert with Instrumental Trio, (a) "Canterbury Bells" (Carew); (b) "Boat Song" (Ware); (c) "I Wonder if Love is a Dream" (Forster); (d) "Love's Cigarette" (Simson).
8.50: Recital—Mr. J. B. Flynn, "Father Reilly's Horse" (Paterson).
8.54: Polka—Dagg's Band, "Good Old-timers" (arr. Dagg).
9.4: Weather report and station notices.
9.6: Selection—Instrumental Trio, "Hummel Trio, No. 3, in B Flat."
9.22: Vocal quartets—The Harmonists, (a) "Old Folks at Home" (arr. Cornwall); (b) "Soldiers' Chorus" (from "Faust") (Gounod).
9.29: Recitals—Mr. J. B. Flynn, (a) "Laugh and be Merry" (Masefield); (b) "He Fell Among Thieves" (Newbold).
9.38: Quadrilles—Dagg's Band, "Popular Old-time Songs" (arr. Dagg).
9.53: Contralto—Miss Margaret Green, "Ben Bolt" (Traditional).
Vocal quartet—The Harmonists, "Home, Sweet Home" (Bishop).

10.0 : Varso, Vienna and Waltz—Dagg's Band, "Melodies of Bygone Days."
10.12 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—MONDAY, FEBRUARY 23.

6.30 : Children's session.
7.30 : News, markets, and information.
8.0 : Studio concert.

Tuesday, February 24

IYA, AUCKLAND (900 KILOCYCLES)—TUESDAY, FEBRUARY 24.

8.0 : Selected gramophone items.
8.15 : Talk—Mrs. Les Crane, "Beauty of Mind and Body in Relation to Diet."
8.30 : Further selected gramophone items.
9.0 : Children's session, conducted by "Uncle Dave."
9.0 : Dinner music session:
Royal Opera Orchestra, "Sylvia Ballet—Pizzicato and Procession of Bacchus" (Delibes).
New Light Symphony Orchestra, "Scene de Ballet Marionettes."
Royal Opera Orchestra, "The Sleeping Beauty" Panorama.
National Symphony Orchestra, "Irish Rhapsody" (Herbert).
Trio—Fritz and Hugo Kreisler, Michael Rauchaussen, "Sanctissima."
National Symphony Orchestra, "Orpheus in Hades" Overture.
Royal Opera Orchestra, "Shepherd Fennel's Dance" (Balfour).
Zonophone Salon Orchestra, "Narcissus" (Nevin).
National Military Band, "Lohengrin" Prelude (Wagner).
New Light Symphony Orchestra, "Persiflage" (Francis).
Trio—Fritz and Hugo Kreisler, Michael Rauchaussen, "Arlesienne Intermezzo" (Bizet, arr. Kreisler).
La Scala Orchestra, "The Secret of Susanna" Overture (Wolf-Ferrari).
7.0 : News and market reports.
8.0 : Chimes. March—Orchestral Octet, under direction of Harold Baxter, "Great Big David" (Lottier; intermezzo, "Iris" (Reynard); suite, "Poetiques" (Godard, (a) "Dans les Bois," (b) "Seer la Montagne."
8.15 : Baritone—Mr. Len Barnes, "What Would I Do for My Queen" ("Esmeralda"—Goring Thomas).
8.21 : Piano—Mr. Cyril Towsey, "Andante and Rondo Capriccioso."
8.27 : Mezzo-soprano—Miss Merle Miller, (a) "At Night" (Rachmaninoff), (b) "The Lake Isle of Innisfree" (Penniculet), (c) "I Love Thee."
8.33 : Suite—Orchestral Octet, "In a Persian Garden" (Lehmann); waltz, "Valse de Concert" (Lehmann).
8.45 : Topical Talk by Mr. A. B. Chappell, M.A.
9.0 : Evening weather forecast and announcements.
9.2 : Selection—Orchestral Octet, "Welsh Melodies" (Myddleton); paraphrase, "Drink to Me Only" (Quilter).
9.12 : Mezzo-soprano—Miss Merle Miller, (a) "For Ever and a Day" (Mack), (b) "Somewhere in This Summer Night" (Carew), (c) "Heart's Ease" (Willeby).
9.18 : Intermezzo—Orchestral Octet, "Idylle" (Friedman).
9.21 : Baritone—Mr. Len Barnes, (a) "Son Lo Spirito Che Nega" ("Mefistofele"—Boito), (b) "Ulysses" (Salter).
9.29 : Selection—Orchestral Octet, "Dance of the Tumblers."
9.32 : Programme of dance music:
Foxtrots—Lloyd Huntley and His Isle o' Blues Orchestra, "Moaning for You" (Goulding).
Roger Wolfe Kahn and His Orchestra, "Without a Song."
Colonial Club Orchestra, "It's You I Love" (Davis).
Lloyd Huntley and His Isle o' Blues Orchestra, "Alone in the Rain" (Goulding).
Colonial Club Orchestra, "Why?" (Davis).
9.45 : Song—Marrie Tiffany, "Ma Curly-Headed Babby" (Clutsam).
Foxtrots—The A. and P. Gipsies, "South Sea Rose" (Gilbert).
Roger Wolfe Kahn and His Orchestra, "Great Day" (Rose).
The A. and P. Gipsies, "Only the Girl" (Ruby).
9.57 : Waltz—Hal Kemp and His Orchestra, "Romance" (Leslie).
Foxtrots—Herman Waldman and His Orchestra, "Marbles" (Canicas).
Hal Kemp and His Orchestra, "Navy Blues" (Turk).
Benny Meroff and His Orchestra, "The Talk of the Town."
Colonial Club Orchestra, "March of the Old Guard" (Grey).
10.12 : Vocal—Frances Williams, "Bigger and Better than Ever" (Friend).
Foxtrots—Colonial Club Orchestra, "Sweetheart, We Need Each Other."
Herman Waldman and His Orchestra, "Waiting" (Gardner).
Ben Bernie and His Orchestra, "What is This Thing Called Love?" (Cole Porter).
10.24 : Waltz—Regent Club Orchestra, "You're Always in My Arms."
Foxtrots—Ray Miller and His Orchestra, "Funny, Dear, What Love Can Do" (Bennett).
Benny Meroff and His Orchestra, "Happy Days are Here Again" (Ager).
Ray Miller and His Orchestra, "Finesse" (Maltin).
10.36 : Song—Marie Tiffany and Male Trio, "Carry Me Back to Old Virginny."
Foxtrots—Colonial Club Orchestra, "Charming" (Grey).
Ben Bernie and His Orchestra, "She's Such a Comfort to Me."
10.48 : Waltz—Lloyd Huntley and His Isle of Blues Orchestra, "Molly."
Foxtrots—Ray Miller and His Orchestra, "My Victory" (Miller).
Al Goodman and His Orchestra, "M-a-r-y" (Gordon-Rich).
Ray Miller and His Orchestra, "Blue Butterfly" (Tucker).

Al Goodman and His Orchestra, "Lonesome Little Doll."
11.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, FEBRUARY 24.

3.0 : Chimes. Selected Gramophone Recordings.
3.30 and 4.30 : Sporting results to hand.
5.0 : Children's Session, conducted by "Uncle Toby" and "Jumbo."
6.0 : Dinner Music Session.
The Paul Godwin's Orchestra, "From Heidelberg to Barcelona."
Paul Godwin's Quintet, "Minuetto" (Bolzoni).
Paul Godwin's Orchestra, "Hearts and Flowers" (Tobani).
Marek Weber and His Hotel Adlon Orchestra, "Under the Old Lime Tree" (Hugo Felix).
Paul Godwin and Kunstler Ensemble, "Potpourri of German Folk Songs" (Arr. Hannemann).
Paul Godwin's Quintet, "Doll's Minuet" (Blon).
Paul Godwin's Orchestra, "The Merry Peasant" (Fall-Leon).
Marek Weber and His Hotel Adlon Orchestra, "Extase" (Ganne).
Paul Godwin's Orchestra, "Sleeping Beauty's Bridal Trip" (Max Rhode); "The Count of Luxembourg" (Lehar).
7.0 : News Session, Market Reports and Sports Results.
7.40 : Lecturette by a representative of the Agricultural Department, "For the Man on the Land."
8.0 : Chimes. Overture—Salon Orchestra (Conductor Mr. M. T. Dixon), "Russian Dances" (Bortkiewicz).
8.16 : Soprano—Miss Ella Fair: (a) "My Mother Bids Me Bind My Hair" (Haydn); (b) "Dear When I Look" (Rogers).
8.22 : Waltz—Jack Farrell and His Banjo Quintet, "Silvery Shadows".
8.26 : Baritone—Mr. Harry Matthew: (a) "Tally Ho" (Leoni); (b) "If Ever I Meet the Sergeant" (Bennett).
8.32 : Violin—Mr. W. Haydock, "Melodie" (Tchaikowsky).
8.36 : Novelty Item—"A Minstrel Show."
8.44 : Organ—Terance Casey, "Love Everlasting" (Friml).
8.47 : Contralto—Miss Renee Shead: (a) "The Market" (Carew); (b) "Golden Dancing Days" (Coningsby Clarke).
8.54 : Morceau—Salon Orchestra, "Two Songs" (Rubinstein).
9.0 : Weather report and station notices.
9.2 : Selection—Band of H.M. Coldstream Guards, "Leslie Stuart's Songs".
9.10 : Baritone—Mr. Harry Matthew: (a) "The Cottage Where Dreams Come True" (Thayer); (b) "Kitty" (Dix).
9.16 : March—Mr. Jack Farrell and his Banjo Quintet, "Happy Go Lucky" (Grimshaw); "The Darkies' Patrol" (Lansing).
9.24 : Soprano—Miss Ella Fair, "Tis the Hour of Farewell" (Lehmann).
9.28 : Minuet—Salon Orchestra, "Menuetto Al Antico" (Kargunoff); "Serenade" (Kargunoff); selection, "Coquette" (Arensky).
9.38 : Contralto—Miss Renee Shead, "Bridal Dawn" (Easthope Martin).
9.41 : Choral—Zonophone Light Opera Company, Vocal Gems from "The Belle of New York" (Kerker).
9.46 : Selection—Salon Orchestra, "Glory of Russia" (Krein).
10.1 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, FEBRUARY 24.

(SILENT DAY).

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, FEBRUARY 24.

3.0 : Selected recordings.
5.0 : Children's Hour, conducted by "Big Brother Bill."
6.0 : Dinner Music Session.
Paul Godwin Orchestra, "Aubade" Serenade (Schweitzer); "The Divorced Lady" Medley (Fall).
Paul Godwin Orchestra, "Lotus—Waltz" (Ohlsen); "Alsatian Country Dance No. 1" (Merkelt).
Great Symphony Orchestra, "The Master Miner" (Zeller).
Mandolin and Lute Band, "Per Aspera Od Astra" (Urbach).
Paul Godwin Orchestra, "Smitten" (Ziehrer-Hruby); "Alsatian Country Dance No. 2" (Merkelt).
Berlin State Opera Orchestra, "Knight Passman" Ballet (Strauss).
Paul Godwin Orchestra, "Bells of Vineta—Waltz" (Lindsay-Thiemer).
Mandolin and Lute Band, "Turkish March" (Mozart).
Paul Godwin Orchestra, "Flower Song" (Lange); "Rejoicings—March."
7.0 : News Session.
8.0 : Chimes. Overture—Band of H.M. Grenadier Guards, "New Sullivan Selection" (arr. Godfrey).
8.9 : Contralto—Miss Mary Somerville, "Ye Powers That Dwell" (Gluck).
8.13 : Selection—Saxophone Band, under direction of Mr. J. McCaw, (a) "Harmoniana Overture" (Galuska); (b) "La Paloma" (Yradier).
8.26 : Scottish Humour—Mr. James A. Paterson; (a) "The Boss O' the Hoose" (Lauder); (b) "There's a Wee White Heather Growing" (Collins); (c) "Down in the Quarry" (Fyffe).
8.37 : Selection—Instrumental Trio, "Song Without Words in A Flat".
8.41 : Soprano—Miss Cicely Andibert, with instrumental trio: (a) "C'est Vous?" (Richman); (b) "This is Heaven" (Akst); (c) "Dreamy Lover" (Schertzingler); (d) "Love" (Goulding).
8.53 : March—Saxophone Band: (a) "The Spirit of France" (Pall); (b) "Dreamy Alabama" (Earl).
9.1 : Weather report and station notices.
9.3 : Selection—Band of H.M. Grenadier Guards, "Sir Harry Lauder Medley" (Lauder).

- 9.11: Contralto—Miss Mary Somerville: (a) "The Fairy Pipers" (Brewer); (b) "O Peaceful England" (German).
 9.16: Intermezzo—Saxophone Band, "Fast Asleep in Poppyland" (Gay).
 9.20: Sea Chanteys—John Goss and Cathedral Male Voice Quartet: (a) "Shenandoah"; (b) "Rio Grande"; (c) "Billy Boy" (arr. Terry).
 9.26: Selection—Instrumental Trio, "Second and Third Movements from 'Trio in D Major'" (Mendelssohn).
 9.37: Tenor—Mr. J. B. Hamilton: (a) "Less Than the Dust" (Woodforde-Finden); (b) "In the Garden of To-morrow" (Deppen); (c) "My Task" (Ashford).
 9.47: Organ—G. T. Pattman: (a) "Janette" (Williams and Nichols); (b) "Polly" (Zamecnik).
 9.53: Saxophone—Mr. Jack Magee, "Nola" (Arndt). Selection—Saxophone Band, "Golden Spur" (Weber).
 10.1: God save the King.

Wednesday, February 25

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, FEBRUARY 25.

- 3.0: Selected recordings.
 3.30: Literary selection by the Announcer.
 5.0: Children's session, conducted by "Uncle Reg."
 6.0: Dinner music session:
 Royal Italian Band, "Marcia Reale" (Gabetti).
 Court Symphony Orchestra, "In Venice" (Sellars).
 Organ—Stanley MacDonald, "Was it a Dream" (Coslow).
 Royal Italian Band, "Garibaldi's Hymn" (Olivieri).
 Columbia Symphony Orchestra, "Idilio" (Lack).
 Ketelbey's Concert Orchestra, "Sanctuary of the Heart" (Ketelbey).
 Cello—W. H. Squire, "Melody in F" (Popper).
 New Queen's Hall Orchestra, "Petite Suite de Concert" (Coleridge-Taylor): (a) "Un Sonnet d'Amour," (b) "La Tarantelle."
 W. H. Squire's Celeste Octet, "Mignon": (1) Introduction and Romance, (2) Polonaise (Thomas).
 Cello—W. H. Squire, "Silver Threads Among the Gold" (Danks).
 Columbia Symphony Orchestra, "Spring Song" (Mendelssohn).
 H.M. Grenadier Guards, "Turkish Patrol" (Michaelis).
 Organ—Stanley MacDonald, "Nicolette" (Batten).
 Jacque Jacobs Ensemble, "Wiener Blut" (Strauss).
 H.M. Grenadier Guards Band, "Smithy in the Woods" (Michaelis).
 7.0: News and market reports.

- 7.40: Talk—Mr. Norman Kerr, "Physical Culture."
 8.0: Chimes. Overture—Reg. Morgan and His Orchestra, Selection from "Manteaux Noirs" (Bucalossi).
 Violin—Miss Ida Lockwood, "Legende" (Wienlawski).
 8.12: Lyric soprano—Miss Patricia McLeod, (a) "The Maiden of Cadiz" (Delibes); (b) "Mignonne" (Chaminade).
 8.19: Foxtrots—Reg. Morgan and His Orchestra, (a) "Little White Lies" (Donaldson), (b) "You Brought a New Kind of Love to Me" (Fain).
 8.25: Baritone—Mr. D. R. Jackson, (a) "Comrades of Mine" (James), (b) "Bush Night Song" (James).
 8.32: Syncopated waltz—Reg. Morgan and His Orchestra, "Tris" (Revel).
 8.36: Mezzo-soprano—Miss Molly Atkinson, (a) "A Posy from Over the Sea," (b) "The Butterfly" ("San Toy"—Jones).
 8.43: Gramophone lecture-recital—Mr. Karl Atkinson, "Vienna, the City of Music," Part 1.
 9.0: Evening weather forecast and announcements.
 9.2: Selection—Reg. Morgan and His Orchestra, "Old-Time Waltz Memories" (arr. Morgan).
 9.10: Lyric soprano—Miss Patricia McLeod, "Shepherd, Thy Demeanour Vary" (Brown).
 9.14: Saxophone—Mr. C. Hoffman, "Valse Hilda" (Doerr).
 9.18: Baritone—Mr. D. R. Jackson, "The Stock-rider's Song" (James).
 9.22: Trumpet—Mr. W. Bright, "Pale Moon" (Logan).
 Selection—Reg. Morgan and His Orchestra, "Chanson Bohemienne."
 9.30: Mezzo-soprano—Miss Molly Atkinson, (a) "Every Bit of Loving" (from "A Southern Maid"—Novello), (b) "Can It Be Love?" (Rubens).
 9.37: Popular numbers—Reg. Morgan and His Orchestra, (a) "Somebody Mighty Live You" (Ward), (b) "Miss Wonderful" (Ward).
 9.43: Lecture-recital—Mr. Karl Atkinson, "Vienna, the City of Music," Part 2.
 10.0: God save the King.

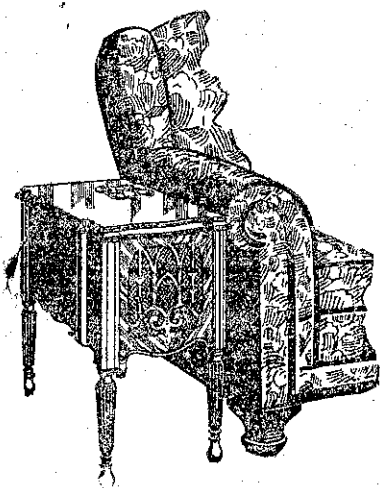
2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, FEBRUARY 25.

- 3.0: Chimes. Selected gramophone recordings.
 3.30 and 4.30: Sporting results to hand.
 5.0: Children's session, conducted by "Aunt Daisy."
 6.0: Dinner music session:
 Berlin Philharmonic Orchestra, "Titus" Overture (Mozart).
 Paul Godwin's Orchestra, "The Roses' Bridal Procession" (Leon Jes-sel); "Oh, This Beautiful Springtime" (Lincke).
 Great Symphony Orchestra, "Fortissimo" (Kalman).
 Paul Godwin's Orchestra, "The Marionettes Mounting Guard" (Kuhn).
 State Opera Orchestra, Berlin, "Orpheus and Eurydice" Ballet Music.
 Paul Godwin's Orchestra, "Murmure de Bal" (Meyer Helmund).
 Berlin Philharmonic Orchestra, "Le Nozze di Figaro" Overture.
 Paul Godwin's Orchestra, "Poppies" (Moret); "Dreaming Flowers."
 7.0: News session, market reports and sports results.
 8.0: Chimes. Specially-recorded overseas programme:
 Dr. Eugene Normandy and His Salon Orchestra.
 The International Singers.
 The Ambassadors of Melodyland.
 Abroad with the Lockharts.
 International Talk—Dr. Guy H. Scholefield, O.B.E.
 Hy-Wide and Handsome.
 International Dance Programme.
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, FEB. 25.

- 3.0: Gramophone recital.
 4.25: Sports results.
 5.0: Children's hour, "Uncle John."
 6.0: Dinner music session:
 Paul Godwin's Orchestra, "Musical Panorama Medley" (Lincke); "Birthday Serenade" (Lincke); "The Spider Intermezzo" (Klose); "Tonerna" (Sjoberg); "Wedding Serenade" (Klose); "Butterfly Intermezzo" (Schlenk).
 Violin with orchestra—Paul Godwin's Orchestra, "Serenade" (Tosti).
 Paul Godwin's Orchestra, "Geisha" Medley (Jones); "La Poupee de Nuremberg" Overture (Adam).
 Vienna Schrammel Quartet, "Firefly's Appointment" (Siede).
 Paul Godwin's Orchestra, "Medley Memorial of Strauss's Waltzes."
 Vienna Schrammel Quartet, "Serenade" (Heykens).
 7.0: News session.
 7.30: Addington stock market reports.
 8.0: Chimes. Overture—Great Symphony Orchestra, "A Rendezvous with Lehar" (arr. Hruby).
 8.9: Mezzo-contralto—Mrs. C. J. Stow, (a) "Time's Roses" (Barry), (b) "The Little Green Lane" (Coningsby Clarke).
 8.15: Piano and violin—The Syncopators, (a) "Russian Lullaby" (Berlin), (b) "The Stein Song" (Fenstad).
 8.22: Tenor—Mr. W. J. Bischlager, "The Flight of Ages" (Bevan).
 8.26: Novelty—London Mouth-Organ Band, "The Royal Return" (Leslie).
 8.29: Soprano—Miss Augusta Painter, (a) "By the Waters of Minnetonka" (Lieurance), (b) "Piper June" (Carew).
 8.35: Cello—Mr. Harold Beck, "Melody in F" (Rubinstein, arr. Beck).
 8.38: Novelty—The Roosters, "Army Reminiscences" (Merriman).
 8.44: Instrumental—Christchurch Broadcasting Trio, (a) "Polish Dance" (Scharwenka), (b) "Dream Castles" (Hope), (c) "Syncopation."
 8.54: Vocal quartet—Kaialouhi Mixed Quartet, "Hawaii, Where the Sunshine Smiles" (King).
 Choral—Iiahona Glee Club, "Na'lii" (Kuahiwi).

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WELLINGTON.

- 9.0 : Weather report and station notices.
 9.2 : Mezzo-contralto—Mrs. C. J. Stow, (a) "My Rose" (Malcolm), (b) "My Desire" (Cadman).
 9.7 : Sketch—The Mascots, "Rent Free" (Carlton).
 9.27 : Broadcasting Trio, (a) "Almond Blossom" (Williams), (b) "Midnight" (Marling), (c) "Hungarian Dance No. 5" (Brahms).
 9.34 : Tenor—Mr. W. J. Bischlager, (a) "Asthere" (Trotiere), (b) "Until"
 9.40 : Cello—Mr. Harold Beck, "Mazurka" (Popper).
 9.43 : Piano and violin—The Syncopators, (a) "Chant of the Jungle" (Brown), (b) "Til Be Getting Along" (Gibbons).
 9.49 : Soprano—Miss Augusta Painter, (a) "Castilian Lament" (Del Riego), (b) "Butterfly Wings" (Phillips).
 9.54 : Selection—La Garde Republicaine Band, "La Marseillaise"; march, "Marche Lorraine" (Gaune).
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, FEBRUARY 25.

- 3.0 : Selected recordings.
 3.15 : Talk arranged by the Home Science Extension Service of Otago University—"Kitchen Talks."
 5.0 : Children's hour, conducted by "Big Brother Bill."
 6.0 : Dinner music session.
 Dajos Bela Orchestra, "Pique Dame" Fantasia (Tschalkowsky).
 Grand Symphony Orchestra, "Polonaise No. 1 in A" (Chopin).
 Dajos Bela Orchestra, "Dynamiden Waltz" (Josef Strauss).
 Grand Symphony Orchestra, "Hungarian Dances" (Brahms).
 Edith Lorand Orchestra, "Myosotis Waltz" (Waldteufel).
 Parlophone Dance Orchestra, "The Skaters" (Waldteufel).
 Brunswick Concert Orchestra, "La Danseuse" (Von Blon).
 Orchestra of the Opera Comique, Paris, "Ballet Egyptian" (Luigini).
 Cello—Gregor Platigorsky, "The Swan" (Saint-Saens).
 Edith Lorand Orchestra, "The Merry Widow" Selection (Lehar).
 Grand Symphony Orchestra, "Scherzo from 'Midsummer Night's Dream'" (Mendelssohn).
 7.0 : News session.
 7.15 : Talk—Mr. G. A. Holmes, "Autumn Top-dressing."
 8.0 : Chimes. Selection—New Symphony Orchestra, "Tintagel" (Bax).
 8.13 : Baritone—Mr. Noel H. North, (a) "Slow, Horses, Slow" (Jalowicz); (b) "Sittin' Thinkin'" (Fisher).
 8.19 : Selection—4YA Studio Trio, "First Movement from C Trio."
 8.29 : Soprano—Miss Cicely Audibert, with instrumental trio, "Ombra Leggera" (Meyerbeer).
 8.32 : Piano—Mr. Max Scherek, "Ballade in A Flat" (Chopin).
 8.38 : Tenor—Mr. E. W. Robbins, (a) "Beloved, It Is Morn" (Aylward); (b) "A Virginian Love Song" (Harrhy).
 8.44 : Instrumental—4YA Studio Trio, Serenade" (Widor).
 8.49 : Contralto—Miss Helen E. Roy, (a) "I Will Await Thee" (Clarke); (b) "Yellow Slippers" (Clarke).
 8.55 : Cello—Mr. P. J. Palmer, "Minuetto" (Becker).
 9.0 : Weather report and station notices.
 9.2 : Instrumental—4YA Studio Trio, "Scherzo in E Flat" (Schubert).
 9.10 : Baritone—Mr. Noel H. North, "The Ragged Vagabond" (Randolph).
 9.13 : Soprano—Miss Cicely Audibert, with instrumental trio, (a) "Nymphs and Fauns" (Bemberg); (b) "Robin's Sing" (White).
 9.19 : Cello—Mr. P. J. Palmer, "Nina" (Pergolesi).
 9.23 : Tenor—Mr. E. W. Robbins, "Crossing the Bar" (Willeby).
 Contralto—Miss Helen E. Roy, "Not Understood" (Houghton).
 9.29 : Dance session.
 Foxtrots—Tom Gerun and His Orchestra, "The New Step."
 Jack Denny and His Mount Royal Hotel Orchestra, "Blondy" (Rubila); "Hang on to Me" (Klages).
 Vocal—Bob Miller and His Hinky Dinkers, "When I Put On My Long White Robe" (Miller).
 Foxtrots—Slatzrandall and His Orchestra, "I'd do Anything for You."
 9.45 : Foxtrot—Lloyd Huntley and His Isle o' Blues Orchestra, "Head Low."
 Waltz—Carl Fenton and His Orchestra, "Rock Me to Sleep in Your Arms" (de Voll).
 Foxtrots—Tom Gerun and His Orchestra, "The Web of Love" (Cowan).
 9.54 : Jack Denny and His Mount Royal Hotel Orchestra, "Pretty Little You."
 Mill's Hotzy Totsy Gang, "Some Fun" (Von Eps).
 Jack Denny and His Mount Royal Hotel Orchestra, "Why Can't You Love That Way" (Bourne).
 Vocal duet—Al and Pete, "At Nesting Time" (Bontsema).
 Foxtrots—Louis Kaizman and His Brunswick Orchestra, "Once Upon a Time" (Thompson).
 10.9 : Jesse Stafford and His Orchestra, "Feeling the Way I Do" (Moret).
 Lloyd Huntley and His Isle o' Blues Orchestra, "Same Old Moon—Same Old June" (Friend).
 Tom Gerun and His Orchestra, "Sing, You Sinners" (Coslow).
 Waltz—Bob Haring and His Orchestra, "All That I'm Asking Is Sympathy" (Davis).
 Foxtrots—Meyer Davis's Hotel Astor Orchestra, "A Year from To-day."
 Slatzrandall and His Orchestra, "Blame it on the Moon."
 10.24 : Tom Gerun and His Orchestra, "In My Little Hope Chest" (Coslow).
 Meyer Davis's Hotel Astor Orchestra, "He's So Unusual."
 Vocal—Bob Miller and His Hinky Dinkers, "Golden Wings" (Miller).
 Foxtrots—Jesse Stafford and His Palace Hotel Orchestra, "I Don't Want Your Kisses" (Fisher).
 Tom Clines and His Music, "Time Will Tell" (Gilbert).
 Meyer Davis's Hotel Astor Orchestra, "Love" (Goulding).

- Tom Clines and His Music, "Perhaps" (Quizas).
 Waltz—Jesse Stafford and His Palace Hotel Orchestra, "Until the End"
 10.51 : Foxtrots—Jimmie Joy and His Orchestra, "Harmonica Harry."
 Jesse Stafford and His Orchestra, "Last Night, Honey."
 Jimmie Joy and His Orchestra, "Can't You Understand."
 11.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—WEDNESDAY, FEB. 25.

- 6.30 : Children's session.
 7.30 : News, markets, and information.
 8.0 : Studio concert.

Thursday, February 26

1YA, AUCKLAND (900 KILOCYCLES, THURSDAY, FEBRUARY 26.

- 3 p.m.: Selected recordings.
 3.15 : Talk—"Fruit Preserving," arranged by the Home Science Extension Service of Otago University.
 Further selected recordings.
 4.30 : Close down.
 5.0 : Children's session, conducted by Peter Pan.
 6.0 : Dinner session.
 Paul Godwin's Orchestra, "Through Weber's Enchanted Woods" (Ernest Urbach); "Mignon" Entracte and Gavotte" (Thomas); "Firefly's Idyl" (Lincke); "Dance of the Dervishes" (Bendix).
 Paul Godwin and his Orchestra, "Third Waltz Medley" (Robrecht).
 Members of the State Opera Orchestra, Berlin, "Don Pasquale."
 Paul Godwin's Orchestra, "Suite Algerienne" (Saint Saens).
 Symphony Orchestra, "Homage March" (Grieg).
 Vienna Schrammel Quartet, "Firefly's Appointment" (Siede).
 Polydor Brass Band Orchestra, "Il Trovatore" (Verdi).
 Great Symphony Orchestra, "Paying a Visit to Millocker" (Morena).
 7.0 : News and market reports.
 7.40 : Mr. H. Driver, "Book Review."
 8.0 : Chimes.
 Overture—Columbia Symphony Orchestra, "Maritana" (Wallace).
 8.9 : Soprano and contralto—Miss Adele Taylor and Miss Phyllis Gribben.
 Soprano solo: "Woodland Madrigal" (Batten). Duet: "I Would that My Love" (Mendelssohn). Soprano solo: "The Fairy Pipers."
 8.21 : Instrumental and vocal—The Laloma Quartet, (a) "Nusila," (b) "Kohala March," (c) "The Rat," (d) "Wai Lana," (e) "Aloha-oe Medley" (all traditional).
 8.36 : Scottish humour—The Two Maes, "Song, Story and Humour," including (a) "The South Pole" (Lauder); (b) "Oh, Why Left I My Hame" (McLeod).
 8.46 : Piano—Miss Dorothea Ryan, "Piano Improvisations."
 8.58 : Selection—St. Hilda Colliery Prize Band, "Gill Bridge" (Ord Hume).
 9.1 : Evening weather forecast and announcements.
 9.3 : Selection—Paul Godwin's Orchestra, "Light Cavalry" (Suppe).
 9.7 : Soprano and contralto—Miss Adele Taylor and Miss Phyllis Gribben.
 Contralto solo: "When All Is Still" (Wright). Duet: "Greetings" (Mendelssohn). Contralto solo: "My Jewels" (Sanderson).
 9.19 : Accordion duo—Gellin and Bergstrom, (a) "Mistakes" (Lynton); (b) "Together" (Henderson).
 9.25 : Scottish humour—The Two Maes, "Song, Story and Humour," including (a) "Mr. John Mackay" (Lauder); (b) "Johnnie and Mary."
 9.35 : Organ—Quentin McLean, "Flower of Love" (Axt).
 9.38 : Instrumental and vocal—The Laloma Quartet, (a) "Springtime in the Rockies" (Sauer); (b) "Palakiko Blues" (arr. Awai); (c) "South Sea Rose" (Gilbert); (d) "Hilo March" (arr. Awai); (e) "Isa Lei" (Fijian farewell), (traditional).
 9.54 : Selection—Edith Lorand Orchestra, "The Merry Widow" (Lehar).
 10.0 : God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, FEBRUARY 26.

- 3.0 : Chimes. Selected gramophone recordings.
 3.15 : Lecturette—Miss I. F. Meadows, "Fruit Preserving." Arranged by the Home Science Extension Department of the Otago University.
 3.30 and 4.30 : Sporting results to hand.
 5.0 : Children's session, conducted by "Uncle George" and "Big Brother Jack."
 6.0 : Dinner music session.
 Military Band (of specially selected musicians), "Ever or Never."
 Sir Hamilton Harty conducting the Halle Orchestra, "An Irish Symphony—Scherzo" (Sir Hamilton Harty).
 New Concert Orchestra, "Life in Vienna" (Karl Komzak).
 Military Band (of specially selected musicians), "The Guards' Patrol."
 Dinicu and His Orchestra, "Crepuscule" Tango (Bianco).
 Salon Orchestra, "Mem'ries" (Neely-Sanford).
 J. H. Squire's Celeste Octet, "Traume" (Wagner—arr. Willoughby).
 Gustav Holst conducting the London Symphony Orchestra, "Marching Song" (Gustav Holst).
 J. H. Squire's Celeste Octet, "Albumbblatt" (Wagner—arr. Willoughby).
 The Elite Dance Orchestra, "In Finer Konditorei" Tango (Raymond).
 Regimental Band of H.M. Grenadier Guards, "Sylvia Ballet" (Delibes arr. Kappey); (a) "Valse Lente," (b) "Pizzicato," (c) "Barcarolle," (d) "March."

Friday, February 27

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, FEBRUARY 27.

- Halle Orchestra, "Londonderry Air" (Hamilton Harty).
 7.0 : News session, market reports and sports results.
 8.0 : Chimes. Studio concert by the Band of the Wellington Division of the Royal Naval Volunteer Reserve (by permission of the Commanding Officer) and 2YA artists.
 March—Band (Conductor, Petty Officer H. Baker), "Knellar Hall" (Greenwood); Selection, "The Slave" (Wright and Round).
 8.16: Popular songs at the piano—Mr. Jack Standen, (a) "Livin' in the Sunlight—Lovin' in the Moonlight" (Sherman); (b) "Singing a Song to the Stars" (Meyer).
 8.23: Selection—Band, "H.M.S. Pinafore" (Sullivan).
 8.36: Baritone—Mr. David Anderson, (a) "Annie Laurie" (arr. Lehman); (b) "My Secret" (Schubert).
 8.42: Guitar duo—Berthold and Bent, (a) "When I'm Looking at You" (Stothart); (b) "Sometimes" (Florito).
 8.49: Soubrette—Mrs. M. Lightbody, (a) "Janie" (Scott-Gatty); (b) "The Happy Medium Boy" (Longstaffe).
 8.55: Waltz—Band, "Moonlight" (Pecorini).
 9.5 : Weather report and station notices.
 9.7 : Cornet march—Band, "Alas, Those Chimes" (Wallace); "The Great Little Army" (Alford).
 9.15: Popular songs at the piano—Mr. Jack Standen, (a) "I'm Following You" (Stothart); (b) "You Brought a New Kind of Love to Me."
 9.22: Selection—Band, "Pirates of Penzance" (Sullivan).
 9.36: Baritone—Mr. David Anderson, "Rebecca" (Lehman).
 9.42: Guitar duo—Berthold and Bent, (a) "With My Guitar and You" (Birke); (b) "Sleepy Eyes" (Kamiki).
 9.48: Chorus—Light Opera Company, vocal gems from "Maritana."
 9.56: March—Band, "Powerful" (Carter).
 10.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, FEBRUARY 26.

- 3.0 : Gramophone recital.
 3.15: Lecturette—"Fruit-Preserving," arranged by Home Science Extension Service, Otago University.
 4.25: Sports results.
 5.0 : Children's hour, "Uncle Frank" and "Ladybird."
 6.0 : Dinner music session:
 The London Orchestra, "Valse Memories" (arr. Somers).
 Organ—Jesse Crawford, "La Borrachita" (Fernandez Esperon).
 Chicago Symphony Orchestra, (a) "Serenade" (Volkman), (b) "Flight of the Bumble Bee" (Rimsky-Korsakoff).
 Piccadilly Orchestra, "The Waltz Dream" (Strauss).
 Marimba Band, "Morales Lopez" (Bolanos).
 Royal Opera Orchestra, "Prelude, 'The Huntress'" (from "Sylvia Ballet"—Delibes).
 Band of H.M. Coldstream Guards, "The Geisha" (Jones).
 Marek Weber and His Orchestra, "Menuett No. 1" (Paderewski).
 Organ—Jesse Crawford, "I Loved You Then as I Love You Now."
 Salon Orchestra, "Aloha Sunset Land" (Kawelo).
 Symphony Orchestra, "La Vida Breve" (De Falla).
 Marek Weber's Orchestra, "Cœur Brise" (Gillet).
 Salon Orchestra, "Chanson Boheme" (Baldi).
 Marimba Band, "Aguas Dormidas" (Bolanos).
 Band of H.M. Coldstream Guards, "The Belle of New York" (Kerker).
 7.0 : News session.
 7.30: Talk—Mr. H. de O. Chamberlain, Instructor in Agriculture, "Boys' and Girls' Agricultural Clubs."
 8.0 : Chimes.

Welsh Programme.

- Overture—Frank Westfield's Orchestra, "Classica" (arr. Tilsley).
 8.9 : Vocal quartet—The Melodious Quartet (harpist, Mr. H. G. Glaysher), "Mae Wlad fy Nhadau" (Land of My Fathers) (sung in Welsh).
 Tenor—Mr. Russell Sumner, "March of the Men of Harlech."
 Soprano—Miss Frances Hamerton, "Rising of the Lark."
 8.17: Piano—Miss Aileen Warren, "Third Impromptu—Theme and Variation" (Schubert).
 Contralto—Miss Millicent Jennings, "O Lays of My Land."
 8.24: Melodious Quartet, "The Ashgrove" (arr. Alaw Owen).
 8.32: Organ—Edward O'Henry, "Minuet in G" (Beethoven).
 8.35: Tenor and soprano—Melodious Duo, "I Saw a Tiny Streamlet."
 8.38: Broadcasting Trio, "Allegro" (F. E. Bache).
 8.46: Soprano—Miss Frances Hamerton, "The Nightingale" (Richards).
 Bass—Mr. T. D. Williams, "Ruddlan Marsh" (Alaw Owen).
 8.52: Flute—Mr. A. E. Hutton, "Loin de Bal" (Fillet).
 8.56: Old Penyllion Quartet—Melodious Quartet, "Hob y Deri Dando."
 9.0 : Weather forecast and station notices.
 9.2 : Selection—National Symphony Orchestra, "Aida" (Verdi).
 9.6 : Contralto—Miss Millicent Jennings, "O'er the Stone" (arr. Richards).
 Tenor—Mr. Russell Sumner, (a) "Winnie Dear" (arr. Alaw Owen), (b) "The Gentle Bird."
 9.13: Piano—Miss Aileen Warren, "Hornpipe" from "The Water Music."
 9.15: Bass—Mr. T. D. Williams, "The Spade Head" (arr. Alaw Owen).
 9.19: Flute—Mr. A. E. Hutton, "Killock of Kinlock" (O'Connor).
 9.23: Melodious Quartet, "Hall to Thee, Dear Cambria" (arr. Alaw Owen).
 9.26: Instrumental—Broadcasting Trio, (a) "Romance," (b) "Intermezzo," (c) "Saltarella" (Bridge).
 9.38: Dance music until 11 p.m. by Walton's Dance Orchestra.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, FEBRUARY 26.

SILENT DAY.

- 3.0 : Selected recordings.
 3.30: Literary Selection by the Announcer.
 5.0 : Children's session, conducted by "Nod" and "Aunt Jean."
 6.0 : Dinner music session.
 Paul Godwin's Orchestra, "The Jolly Robbers' Overture" (Suppe); "Stephanie—Gavotte" (Czibulka); "Feldblumen" (Westling).
 Paul Godwin's Orchestra, "Suite Ballet" (Poppy). 1—Entrée Mazurka; 2—Pizzicati; 3—Valse Lente; 4—Largo; 5—Final Galop; "Avant de Mourir" (Boulanger); "Moonlight" (Massenet).
 Paul Godwin's Orchestra, "Coppelia Ballet Fantasy" (Delibes).
 State Opera Orchestra, Berlin, "Othello Ballet" (Verdi); "La Dame Blanche" (Boieldieu); "Turkish March" (Mozart).
 Paul Godwin Quintet, (a) "Popular Song"; (b) "Tale" (Komzak).
 7.0 : News and market reports.
 8.0 : Chimes.
 Overture—State Opera Orchestra, Berlin, "Mill on the Cliff."
 8.10: Contralto—Miss Kay Christie, (a) "Good-morning Brother Sunshine" (Lehmann); (b) "Big Lady Moon" (Coleridge-Taylor).
 8.16: The Zealandia Novelty Instrumental Quartet, Foxtrot, "My One Ambition is You" (Tierney); Waltz, "Give Me a Moment Please" (Whiting); Foxtrot, "A Peach of a Pair" (Whiting).
 8.31: Baritone—Mr. H. Warburton, (a) "Through the Sunrise" (Nutting); (b) "My Desire" (Cadman).
 8.37: Organ—Leslie James, (a) "Lily of Laguna" (Stuart); (b) "Just Imagine" (de Sylva).
 8.43: Chorus—Columbia Light Opera Company, "Vocal Gems from Oh Kay" (Gershwin).
 8.47: Balalaika—Mr. Simon Philipoff, (a) "Second Hungarian Rhapsody" (Liszt); (b) "Volga Boatmen" (arr. Philipoff); (c) "Pizzicato de Concert" (Gillet).
 9.0 : Evening weather forecast and announcements.
 9.3 : Novelty—The Asquiths, "Twenty-Minute Drawing-room Entertainment."
 9.23: Selection—Paul Godwin's Orchestra, "Light Cavalry" (Suppe).
 9.27: Contralto—Miss Kay Christie, (a) "The Way Home" (Cox); (b) "My Gentle Child" (Del Riego).
 9.33: The Zealandia Novelty Instrumental Quartet, Foxtrot, "Dixiana" (Tierney); Waltz, "Was It a Dream?" (Coslow); Foxtrot, "Mr. and Mrs. Sippi" (Tierney).
 9.48: Baritone—Mr. H. Warburton, (a) "Love is Mine" (Cartner); (b) "When I'm Looking at You" (from "The Rogue Song").
 9.54: Marches—Band of H.M. Grenadier Guards, (a) "Naval March" (Trad'l); (b) "Military March" (Trad'l).
 10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, FEBRUARY 27.

- 3.0 : Chimes. Selected gramophone recordings.
 3.30 and 4.30: Sporting results to hand.
 5.0 : Children's session, conducted by "Uncle Jim" and "Big Brother Jack."
 6.0 : Dinner music session:
 March—National Military Band, "National Emblem" (Bagley).
 Cello—W. H. Squire, "The Broken Melody" (Van Biene).
 Albert Sandler's Orchestra, "I Kiss Your Hand, Madame" (Erwin).
 Organ—G. T. Pattman, "Cherie Waltz" (Valentine).
 New Mayfair Orchestra, "Follow Through" (De Sylva).
 Court Symphony Orchestra, "The Gondoliers" (Sullivan).
 Paul Whiteman's Orchestra, "Gipsy" (Gilbert).
 Albert Sandler's Orchestra, "Chalita" (Schertzing).
 Padilla's Marimba Serenaders, "Paree" (Padilla).
 Piano—Gil Dech, "Sometimes I'm Happy" (Youmans).
 Royal Serbian Tambouritzza Orchestra, "Serbian Melody."
 Intermezzo—Ketelbey's Orchestra, "Bells Across the Meadow."
 Rio Marimba Serenaders, "Dolores" (Waldteufel).
 Organ—G. T. Pattman, "Worryin'" Waltz (Fairman).
 March—National Military Band, "Stars and Stripes" (Sousa).
 7.0 : News session, market reports and sports results.
 8.0 : Chimes. Relay from the Town Hall of a public reception to Lord and Lady Baden-Powell.
 9.30 (approx.): Dance programme:
 Foxtrots—Ben Selvin and His Orchestra, "Around the Corner."
 Gil Dech and His Syncopators, "You Can't Be Unhappy If You Sing" (Barry and Carr).
 Paul Specht and His Orchestra, "Santiago" (Stothart).
 Stellar Dance Band, "Minnie's Yoo-Hoo!" (W. Stalling).
 9.42: Waltz—The Four Bright Sparks, "Eleanor" (McCarthy-Hanley).
 Foxtrots—Van Phillips and His Band, "Just Like in a Story-Book."
 Gil Dech and His Syncopators, "Bridge of Our Dreams Come True" (Monk).
 9.51: Vocal duet—Sweet and Low Duettists, "By the Waters of Killarney."
 9.54: Foxtrots—Ipana Troubadours, "Cooking Breakfast for the One I Love."
 Columbia Photo Players, "Leave It That Way" (Fisher).
 Ipana Troubadours, "Kickin' a Hole in the Sky" (Greer).
 Columbia Photo Players, "The Whole Darned Thing's for You" (Ahler).
 10.6 : Waltz—Frank Ferera's Hawaiian Trio, "Lazy Louisiana Moon."
 Foxtrots—Paul Specht and His Orchestra, "Into My Heart" (Ahler).
 The Four Bright Sparks, "High Society Blues" (McCarthy).
 10.15: Vocal—Cavan O'Connor, "The Sunshine of Marseilles" (Gilbert).

- 10.18: Foxtrots—The Columbia Photo Players, "The 'Tree and Easy'." Frank Ferera's Hawaiian Trio, "Pale Blue Waters." Stellar Dance Band, "The Toy Farm-Yard" (Weston). Paul Whiteman and His Orchestra, "Livin' in the Sunlight."
- 10.30: Waltz—Stellar Dance Band, "I Feel You Near Me" (McCarthy). Foxtrots—The Columbia Photo Players, "It Must Be You" (Turk). Ben Selvin and His Orchestra, "With My Guitar and You." Paul Whiteman and His Orchestra, "You Brought a New Kind of Love to Me" (Fain). Stellar Dance Band, "A Pair of Blue Eyes" (Kernell).
- 10.45: Vocal duet—Sweet and Low Duettists, "Just an Old Refrain" (Wynn).
- 10.48: Foxtrots—Van Phillips and His Band, "I'm in the Market for You." Gil Dech and His Syncopators, "Johnnie, Our Aeroplane Girl." Debroy Somers Band, "Figaro" (Mitchell and Motzan). Gil Dech and His Syncopators, "A Lone Girl Flyer."
- 11.0: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, FEBRUARY 27.

- 3.0: Afternoon session.
- 4.25: Sports results.
- 5.0: Children's hour, conducted by "Peterkin."
- 6.0: Dinner music session.
- Paul Godwin's Orchestra, "The Czarewitch" (Lehar); "Liliputian's Wedding" (Translaeur).
- Paul Godwin's Orchestra, with organ, "Adoration" (Filipucci).
- Great Symphony Orchestra, "The Gipsy Princess" (Kalman).
- Paul Godwin's Orchestra, with organ, "Invocation" (Ganne).
- Paul Godwin's Quintet, "Vision" (Drdla).
- Opera Orchestra, Berlin-Charlottenburg, "Si J'Etais Roi" (Adam).
- Paul Godwin's Orchestra, "Little Butterflies" (Steinke).
- Paul Godwin's Quintet, "Chant d'Amour" (Franz Drdla).
- Paul Godwin's Jazz Symphonians, "Lots of Fun" (Morena).
- 7.0: News session.
- 8.0: Chimes. Overture—Association des Concerts Lamereaux, "Petite Suite" (Debussy).
- 8.16: Dulcet Quartet, "Four Jolly Smiths" (Leslie).
- Contralto—Miss Nellie Lowe, "Roll on, Thou Mighty Sea" (Moir).
- 8.22: March—Studio Octet (Harold Beck, Conductor), (a) "The Ultimatum" (Allen); (b) Overture, "Crown of Diamonds" (Auber).
- 8.32: Soprano—Mrs. W. B. Harris, "Pale Moon" (Logan).
- Baritone—Mr. A. G. Thompson, "Our Little Village" (Bennett).
- 8.40: Piano novelties—Miss Malsie Ottey, (a) "Step On It" (de Rienzo); (b) "Fashionette" (R. King).
- 8.46: Contralto—Miss Nellie Lowe, (a) "Sink, Red Sun" (Del Riego); (b) "Vale" (Russell).
- 8.51: Instrumental—Studio Octet, (a) "Pizzicato Polka" (Strauss); (b) "Serenade d'Amour" (Von Blon).
- 8.58: Choral—Emil Dutoy and Chorus, "Fetes Des Vignerons, 1927."
- 9.2: Weather forecast and station notices.
- 9.4: Lecture—Te Ari Pitama, "The Evolution and Development of Maori Music."
- 9.14: Selection—Studio Octet, "To-night's the Night" (Rubens).
- 9.25: Soprano—Mrs. W. B. Harris, Spirituals, (a) "Indian Squaw Song" (Morgan); (b) "Indian Lullaby" (Morgan).
- Dulcet Quartet, "My Love's an Arbutus" (Stanford).
- 9.32: Piano novelties—Miss Malsie Ottey, (a) "Sailing Over the Keys" (de Rienzo); (b) "The Brownie's Frolic" (Keden).
- 9.37: Baritone—Mr. A. G. Thompson, "Listenin'" (Wood).
- 9.40: Novelty—"Dad" Williams, "The Dutchman's Serenade" (Williams).
- 9.43: Instrumental—Octet, "Goblin Blues" (Monte Carlo).
- 9.47: Vocal duet—Dulcet Duo, "Venetian Song" (Tosti).
- Baritone—Mr. A. G. Thompson, "The Victor" (Sanderson).
- 9.51: Valse—Studio Octet, "A Thousand and One Nights" (Strauss).
- 9.53: Vocal duet—Dulcet Duo, "Awake" (Pelissier).
- 10.2: March—American Legion Band, "The Conqueror" (Teike). God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, FEBRUARY 27.

- 3.0: Chimes. Selected recordings.
- Relay of N.Z. Athletic Championships from Caledonian Grounds, Dunedin.
- 5.0: Children's hour, conducted by "Aunt Sheila."
- 6.0: Dinner music session.
- Dajos Bela Orchestra, "Gypsy Love" (Lehar).
- Edith Lorand Orchestra, "La Boheme" (Puccini).
- New Light Symphony Orchestra, "The Waltzing Doll" (Poldini).
- Dajos Bela Orchestra, "Mon Reve" (Waldteufel).
- Organ duet—Mr. and Mrs. Jesse Crawford, "The Moonlight Reminds Me of You" (Kahn).
- Dajos Bela Orchestra, "I Love You" (Waldteufel).
- National Symphony Orchestra, "The Barber of Seville" (Rossini).
- Dajos Bela Orchestra, "You and You" (J. Strauss).
- Mandoline Concert Society, "Echoes of the Volga" (Ritter).
- New Light Symphony Orchestra, "At Dawning" (Cadman).
- Band of H.M. Coldstream Guards, "Les Cloches de Corneville" Selection (Planquette).
- Dajos Bela Orchestra, "Vienna Bon Bons" (J. Strauss).
- 7.0: News session.

- 8.0: Chimes. Selection—Band of H.M. Grenadier Guards, "Voyage in a Troopship" (arr. Miller).
- 8.9: Baritone—Mr. Harry Mitchell, (a) "Glorious Devon" (German); (b) "Drake Goes West" (Sanderson).
- Mr. O. L. Garden and Chorus, "Sea Shanties" (Traditional).
- 8.18: Humorous recitals—Miss Anita Winkel, (a) "A Journey on the Underground" (Anon.); (b) "A Bargain Day" (Anon.).
- 8.28: Marimba orchestra—Marimba Centro Americana, (a) "Morales Lopez," (b) "Sleepy Waters" (Bolanos).
- 8.34: Bass-baritone—Mr. Wm. Ruffell, "Trade Winds" (Keel).
- Mr. O. L. Garden and Chorus, "Sea Shanties" (Traditional).
- 8.44: Waltz—Continental Novelty Quintet, "On Board."
- 8.48: Bass—Mr. F. C. Cooper, "The Mighty Deep" (Jude).
- 8.52: Selection—The London Palladium Orchestra, "Nautical Moments."
- 9.0: Weather report and station notices.
- 9.2: Presentation of dramatic play—"Galapagos." Produced under the direction of Major F. H. Lampen.

Characters.

Peterson	Major F. H. Lampen
Svenson	Mr. Angus Gorrie
Captain	Mr. J. B. McConnell
Betty	Miss Anita Winkel
Hans	Mr. E. W. Robbins
Crew	Messrs. O. L. Garden, W. Ruffell, and F. C. Cooper

- 9.59: March—National Military Band, "Stars and Stripes For Ever" (Souza).
- 10.2: God save the King.

Saturday, February 28

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, FEBRUARY 28.

- 3.0: Selected recordings.
- 3.30: Literary selection by the Announcer.
- 5.0: Children's Session, conducted by "Cinderella."
- 6.0: Dinner Music Session.
- Charles Ancliffe and His Orchestra, "Ancliffe Waltzes" (Ancliffe).
- J. H. Squire's Celeste Octet, "Twilight on the Waters" (Squire).
- Gil Dech Ensemble, "Italian Nights" (Roberts).
- Regal Cinema Orchestra, "Sally Selection" (Burke-Kern).
- Organ—Jesse Crawford, "How About Me?" (Berlin).
- J. H. Squire's Celeste Octet, "Minuet Sicilienne" (Squire and Hart).
- Band of Grenadier Guards, "Country Dance" (German).
- Debroy Somers' Band, "Mister Cinders" Selection (Ellis and Myers).
- J. H. Squire's Celeste Octet, "The Piccaninies' Picnic" (Squire).
- Organ—Quentin Maclean, "Little Dolly Daydream" (Stuart).
- Albert W. Ketelbey's Concert Orchestra, "The Clock and the Dresden Figures" (Ketelbey).
- J. H. Squire's Celeste Octet, "Minuet in D" (Mozart, arr. Willoughby).
- Albert W. Ketelbey's Concert Orchestra, "Wedgwood Blue" (Ketelbey).
- Gil Dech Ensemble, "Valse Parisienne" (Roberts, arr. Barry).
- 7.0: News and market reports.
- 8.0: Chimes. March—Orchestral Octet, under direction of Harold Baxter, "Nelson's Call" (Vanis); Waltz, "Sylvia" (Ivanovici).
- 8.9: Soprano—Miss Betty Zukerman: (a) "The Land of Going-to-Be" (Kolle); (b) "Serenade" (from "Student Prince") (Romberg).
- 8.15: Organ—Sandy Macpherson, "L'Heure Bleu" (Spollanski); "In an Old World Garden" (Pepper).
- 8.21: Humour—Mr. Zante Wood, (a) "A Radio Romance" (Graham); Burlesque Lecture, (b) "Phrenology" (Wood).
- 8.32: Selection—Orchestral Octet, "Scotch Melodies" (Myddleton).
- 8.44: Novelty piano and vocal—Eric and Jack, (a) "Mean To Me" (Turk); (b) "If I Had a Girl Like You" (McDermott); (c) "Whee the Little Red Roses Get the Blues for You" (Burke); (d) "Tying It to the Daisies" (Warren).
- 8.57: Selection—Cavalry Band, "Quadrille Medley" (Strauss).
- 9.0: Evening weather forecast and announcements.
- 9.2: Overture—Orchestral Octet, "Hungarian Lustspiel" (Keler Bela). Selection—Octet, "Two South American Tunes" (Schmidt).
- 9.16: Baritone—Mr. Reginald Morgan, "A Group of Welsh Songs," (a) "Ar Hyd y Nos" (All Thro' the Night) (Trad'l); (b) "Gn Nyffryn Clwyd" (The Missing Boat) (Trad'l).
- 9.22: Accordeon duo—Gellin and Bergstrom, (a) "Norwegian Hunting March"; (b) "Holmenkollin March" (Johansen).
- 9.28: Soprano—Miss Betty Zukerman, "Dream of Love and You" (Taylor).
- 9.32: Violin—Vasa Prihoda, (a) "Waltz" (Dvorak-Prihoda); (b) "Ay, Ay, Ay" (Perez Friere).
- 9.38: Characteristic—Octet, "Traumbild" (Bola); Intermezzo, "A Frolic" (Miles); "Song Without Words" (Hemery).
- 9.50: Baritone—Mr. Reginald Morgan, (c) "Cadaiz Idris" (One Bright Summer Morning) (Trad'l); (d) "Mae Hen Wlad Fy Nhadau" (Land of My Fathers) (James).
- 9.56: March—Cavalry Band, "Cavalry March" (Wilhelm).
- 9.59: Programme of Dance Music.
- Foxtrots—Ben Selvin and His Orchestra, "The Rogue Song."
- Stellar Dance Band, "Harmony Heaven" (Vincent).
- Paul Tremaine and His Orchestra, "There's One More River to Cross."
- Waltz—Guy Lombardo and His Royal Canadians, "Lazy Louisiana Moon" (Donaldson).

- 10.12: Foxtrots—Rhythmic Troubadours, "Without You, Emaline" (de Rose); "You're the Sweetest Girl" (Lombardo).
Guy Lombardo and His Royal Canadians, "Where the Golden Daffodils Grow" (Archer and Kahn).
10.21: Vocal—Art Leonard, "Ten, Twenty, Thirty Years Ago" (O'Hagan).
10.24: Foxtrots—Ipana Troubadours, "Blue is the Night" (Fisher).
Rhythmic Troubadours, "I'm in the Market For You."
Ipana Troubadours, "Whippoorwill" (de Voll).
10.33: Waltzes—Stellar Dance Band, "I'll Always Be Dreaming of Mary."
The Columbia Photo Players, "Dream Lover—Waltz."
Foxtrots—Ben Selvin and His Orchestra, "When I'm Looking at You."
Rhythmic Troubadours, "My Future Just Passed."
10.45: Vocal—Art Leonard, "Around the Corner" (Kahn).
10.48: Foxtrots—Paul Tremaine and His Orchestra, "Swing Low Sweet Chariot" (arr. Paul Tremaine).
Fred Rich and His Orchestra, "For You."
The Columbia Photo Players, "My Love Parade."
Fred Rich and His Orchestra, "Dream Avenue" (Richman).
11: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, FEBRUARY 23.

- 3.0 : Chimes. Selected gramophone recordings.
3.30 and 4.30: Sporting results to hand.
5.0 : Children's session, conducted by "Aunt Molly."
6.0 : Dinner music session.
Selection—Edith Lorand's Orchestra, "The Vagabond King" (Friml).
Waltz—Dajos Bela Orchestra, "The Swallows" (Strauss).
Selection—Frank Westfield's Orchestra, "Chu Chin Chow" (Norton).
Dajos Bela Orchestra, "O Sole Mio" (arr. Lindeman).
State Opera Orchestra, Berlin, "Invitation to the Waltz" (Weber).
Waltzes—Dajos Bela Orchestra, (a) "Oh, Spring, How Fair Thou Art" (Lincke); (b) "Songs d'Amour Apres le Bal" (Ozibulka).
Dajos Bela Orchestra, "Humoresque" (Dvorak).
Trio—De Groot-Bor-Kilbey, "Paraphrase of Strauss Waltzes."
Dorsey Bros. Orchestra, "Was it a Dream?" (Coslow).
Waltz—Dajos Bela Orchestra, "Faust" (Gounod).
7.0 : News session, market reports and sports results.
8.0 : Chimes. Followed by relay from Town Hall of Wellington Symphony Orchestra, assisted by Port Nicholson Silver Band.
8.16: Tenor—Mr. W. Roy Hill, (a) "Her Voice" (Schumann); (b) "Impatience" (Schubert).
Duet—Messrs. Chas. Williams and Will Goudie, "Cavalier and Minstrel" (Bowen).
Bass—Mr. W. Binet Brown, "The Skipper" (Jude).
The Lyric Quartet, "Richard of Taunton Dene" (arr. Knight).
8.30: Selection—B.B.C. Wireless Military Band, "Golliwog's Cakewalk."
Organ—Reginald Goss Custard, (a) "The Question"; (b) "The Answer" (Wolstenholme).
Novelty—Chas. Coburn and Company in "An Old-time Sing-song."
8.46: Relay from Town Hall.
9.2 : Weather report and station notices.
9.4 : Novelty piano—Mr. Norman Izett, (a) "Home, Sweet Home" (Kinkel); (b) "Heather Bells" (Rockstro).
9.10: Relay from Town Hall.
9.20: Lyric Quartet, "Mysterious Mose" (Doyle).
Baritone—Mr. Will Goudie, "It's a Beautiful Day" (Bennett).
Lyric Quartet, "Boot and Saddle" (Bantock).
9.36: Dialogue—John Henry and Blossom, "Blossom's Film Scenario."
Guitar duo—Roy Smeeck and Art Kahn, "Itchin' Fingers" (Robison).
9.37: Relay from Town Hall.
10: Dance programme.
Foxtrots—Jack Denny and His Mount Royal Hotel Orchestra, "Hangin' on the Garden Gate" (Kahn).
Ben Bernie and His Orchestra, "Have a Little Faith in Me."
Jack Denny and His Mount Royal Hotel Orchestra, "A Night of Happiness" (Conrad).
Waltz—Castlewood Marimba Band, "Springtime, Lovetime, You."
Foxtrots—Colonial Club Orchestra, "I Never Dreamt" (Parsons).
Bob Haring and His Orchestra, "I'm in the Market for You."
10.18: Vocal trio—Earl Burnett's Biltmore Trio, "If I Can't Have You."
Foxtrots—Tom Clines and His Music, "So Sympathetic" (Kahn).
Ben Bernie and His Orchestra, "Let Me Sing and I'm Happy."
Tom Clines and His Music, "Alone With My Dreams."
Waltz—Castlewood Marimba Band, "Melancholy Moon" (Ford).
10.33: Foxtrots—Lloyd Huntley and His Isle o' Blues Orchestra, "Just Another Night With You" (Newman).
Tom Clines and His Music, "The Free and Easy" (Turk).
Lloyd Huntley and His Isle o' Blues Orchestra, "Take Me."
Vocal trio—Earl Burnett's Biltmore Trio, "Out of the Past."
10.45: Foxtrots—Colonial Club Orchestra, "I'm on a Diet of Love" (Gilbert); "Like a Dream" (Rose); "We'll Build a Little World of Our Own" (Brockman).
Bob Haring and His Orchestra, "Just Like in a Story Book."
Waltz—Tom Clines and His Music, "It Must be You" (Turk).

- 11.0 : Sporting summary.
11.10: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, FEB. 23.

- 3.0 : Gramophone recital.
4.25: Sports results.
5.0 : Children's hour, "Aunt Pat" and "Uncle Charlie."
6.0 : Dinner music session:
Great Symphony Orchestra, "Vienna Operetta Revue" (Robrecht).
Jacques Jacobs Ensemble, "Wiener Blut" (Strauss).
Band of H.M. Grenadier Guards, "La Benediction des Poignards."
Jacques Jacobs Ensemble, "Espana Waltz" (Waldteufel).
Plaza Theatre Orchestra, "My Lady Dainty" (Hesse).
Jacques Jacobs Ensemble, "Sobre Las Olas" (Rosas).
Symphony Orchestra, "Countess Mariza" Medley (Kalman).
J. H. Squire's Celeste Octet, "Valse Bleue" (Margis).
B.B.C. Wireless Symphony Orchestra, "Il Trovatore" Selection.
J. H. Squire's Celeste Octet, "Amoureuse Valse" (Berger).
Band of H.M. Grenadier Guards, "Lo! Here the Gentle Lark" (Bishop).
Plaza Theatre Orchestra, "The Busy Bee" (Bendix).
7.0 : News session.
7.30: Sports results.
8.0 : Chimes. Overture—Band of H.M. Coldstream Guards, "Florodora."
8.9 : Bass—Mr. Leslie N. Fleming, (a) "Gipsy John" (Clay), (b) "At Dawning" (Cadman).
8.15: March—Studio Octet (Conductor, Harold Beck), (a) "New Colonial" (Hall), (b) "Jolly Robbers" Overture (Suppe).
8.24: Cabaret songs at the piano with banjolele—The Rose and Thistle Duo, (a) "Little White Lies" (Donaldson), (b) "A Girl Friend of a Boy Friend of Mine" (Donaldson).
8.30: Humour—John Henry, "Going the Pace that Kills" (Henry).
8.36: Tenor—Mr. E. R. Pitman, (a) "Marguerite" (White), (b) "Firstly, My Dear Brethren" (Hayes).
8.42: Hawaiian guitars and ukulele—Miss Elaine Moody's Hawaiian Quartet, (a) "Hear the Ukulele Calling You Home" (Scott), (b) "It Happened in Monterey" (Wayne); (c) "If I Had a Girl Like You."
8.51: Male voice quartet—Goodrich Silvertown Quartet, "A Japanese Sunset."
8.54: Instrumental—Studio Octet, (a) "Lonesome Little Doll" (Cowan and Bontelje), (b) "South Sea Rose" (Gilberts and Baer).
9.2 : Weather report and station notices.
9.4 : Selection—Royal Belgian Guards Band, "Sans Peur" (Prevost).
9.7 : Bass—Mr. Leslie N. Fleming, "La Paloma" (McAnnay).
9.11: Selection—Studio Octet, "Katinka" (Friml).
9.23: Cabaret songs at the piano with banjolele—The Rose and Thistle Duo, (a) "Just a Little Closer" (Meyer), (b) "Hello, Swanee, Hello!"
9.29: Monologue—Fanny Brice, "Mrs. Cohen at the Beach" (Caesar).
9.35: Instrumental—Studio Octet, "The Grasshoppers' Dance" (Bucalossi).
9.40: Tenor—Mr. E. R. Pitman, "Jogging Along the Highway" (Samuel).
9.44: Hawaiian steel guitars and ukulele—Miss Elaine Moody's Hawaiian Quartet, (a) "I've Got a Yen for You" (Whiting), (b) "Dancing with Tears in My Eyes" (Burke), (c) "Why?" (Coots).
9.53: Male Voice Brevities Quartet, "The Woman in the Shoe."
9.56: Studio Octet, "Valse Bleue" (Margis).
10.0 : Dance programme:
Foxtrots—Colonial Club Orchestra, "Out of Breath" (Mercer).
Andy Kirk and His Twelve Clouds of Joy, "Sweet and Hot."
Colonial Club Orchestra, "I Am Only Human After All."
Tom Clines and His Music, "Bye Bye Blues" (Bennett).
10.12: Waltz—Castlewood Marimba Band, "Waiting for You" (Green).
Foxtrots—Colonial Club Orchestra, "Hittin' the Bottle" (Koehler).
Ben Bernie and His Orchestra, "Highway to Heaven."
10.21: Vocal—Allen McQuhae, "At the End of a Cobblestone Road" (Sanders).
10.24: Foxtrots—Anglo-Persians, "In Memory of You" (Dubin).
Ben Bernie and His Orchestra, "Love Comes in the Moonlight" (Dubin).
Colonial Club Orchestra, "How Are You To-night in Hawaii?"
10.33: Waltz—Ray Miller and His Orchestra, "Beneath Montana Skies."
Foxtrots—Isam Jones's Orchestra, "Miss Hannah" (Redman).
Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Here Comes the Sun" (Freed).
10.42: Vocal—Allen McQuhae, "The Dawn Brought Me Love and You."
10.45: Foxtrots—Abe Lyman and His California Orchestra, "If You're Not Kissing Me" (Freed).
Tom Gerun and His Orchestra, "Sittin' on a Rainbow."
Castlewood Marimba Band, "Lo Lo" (Fesit).
10.54: Foxtrots—Colonial Club Orchestra, "Out of a Clear Blue Sky."
Tom Clines and His Music, "I'm Needin' You" (Young).
11.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, FEBRUARY 23.

- 2.0 : Relay from Caledonian Grounds of Description of Events in New Zealand Athletic Championships.
5.0 : Children's session, conducted by "Uncle Sambo" and "Aunt Anita."
6.0 : Dinner music session:
Selection Kauffman's Orchestra, "The Gipsy Baron" (Strauss).
Waltz—La Vittoria Orchestra, "Wedding of the Winds" (Hall).
Polydor String Orchestra, "Italiana in Algeria" (Rossini).
Piccadilly Orchestra, "If Only I Had You" (Davies), "Lolita" (Ferrete), "Charmaine" (Rapee).

- Philharmonic Orchestra, Berlin, "Songs of Love" Waltz (J. Strauss).
 Selection—New Mayfair Orchestra, "This Year of Grace" (Coward).
 Waring's Orchestra, "Ah! Sweet Mystery of Life" (Herbert).
 Polydor String Orchestra, "Les Dragons des Villars" (Maillart).
 Victor Concert Orchestra, "Minuet in G" (Paderewski), "Amaryllis."
 Piccadilly Orchestra, "Bird Songs at Eventide" (Coates).
 Waltz—International Concert Orchestra, "Blue Danube" (Strauss).
- 7.0 : News session.
 8.0 : Relay of vaudeville programme from 3YA, Christchurch.
 10.0 : Dance session:
 Foxtrots—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra,
 "So Beats My Heart for You" (Henderson).
 Roger Wolfe Kahn and His Orchestra, "Cheer Up" (Klages).
 Earl Burnett and His Los Angeles Biltmore Hotel Orchestra,
 "Singing a Song to the Stars" (Johnson).
 Jack Denny and His Mount Royal Hotel Orchestra, "Girl
 Trouble" (Fisher).
- 10.12: Waltz—Castlewood Marimba Band, "Old New England Moon" (Vance).
 Foxtrots—Isam Jones's Orchestra, "Not a Cloud in the Sky" (Jones).
 Jesse Stafford and His Palace Hotel Orchestra, "I Like to
 Do Things for You" (Yellen).
- 10.21: Vocal—Chester Gaylord, "When I'm Looking at You" (Grey).
 10.24: Foxtrots—Ben Bernie and His Orchestra, "Black Eyes."
 Jesse Stafford and His Palace Hotel Orchestra, "To-night."
 Ben Bernie and His Orchestra, "Sharing" (Davis).
- 10.33: Waltzes—Castlewood Marimba Band, "If You Can't Have the Girl of
 Your Dreams" (Young).
 Ben Bernie and His Orchestra, "The Kiss Waltz" (Dubin).
 Foxtrots—Colonial Club Orchestra, "My Future Just Passed" (Marion).
 Jack Denny and His Mount Royal Hotel Orchestra, "Leave
 It That way" (Rice).
- 10.45: Vocal—Chester Gaylord, "Under a Texas Moon" (Perkins).
 10.48: Foxtrots—Frank Sylvano and His Orchestra, "So Sweet" (Gillespie).
 Hal Kemp and His Orchestra, "I Remember You from Some-
 where" (Warren).
 Frank Sylvano and His Orchestra, "After Sunday After-
 noon" (Harris).
 Colonial Club Orchestra, "With My Guitar and You."
- 11.0 : God save the King.

- 7.0 : Relay of evening service from St. Gerard's Redemptorist Church,
 Hawker Street, Wellington.
- 8.15 (approx): Studio concert. Overture—2YA Orchestra (Conductor,
 Signor A. P. Truda), "Flerrabass" (Schubert).
- 8.23: Bass-baritone—Mr. Claude Moss, (a) "Sombre Woods" (Lully); (b)
 "Flower of My Heart" (Woodforde-Finden).
- 8.28: Cello—Beatrice Harrison, (a) "The Broken Melody" (Van Blene);
 (b) "Harlequinade" (Popper).
- 8.36: Contralto—Miss Mollie Fenton, "The Virgin's Slumber Song" (Reger).
 Duet—Misses Nora Gray and Mollie Fenton, "All Through the Night."
- 8.42: Rhapsody—2YA Orchestra, "Slavonic Rhapsody" (Friedman).
- 8.50: Vocal trio—Wellington Ladies Trio, (a) "To Aurora" (Mozart); (b)
 "Oh, Swallow, Swallow" (from "The Princess") (Holst).
- 8.56: Choral—Don Cossacks Choir, "Song of the Volga Boatmen" (Trdtl.).
- 9.0 : Weather report and station notices.
- 9.2 : Selection—Orchestra, "D'Extase" (Chuckerbutty); "Serenata."
- 9.10: Bass-baritone—Mr. Claude Moss, (a) "Serenade" (Woodforde-Fin-
 den); (b) "Invitation to the Dances" (Woodforde-Finden).
- 9.15: Cornet—Percy Code, (a) "Zelda" (Code); (b) "Carnival de Venice."
- 9.21: Vocal trio—Wellington Ladies Trio, "Oh, Peaceful Night" (German);
 "The Fairies were Tripping" (Douglas Taylor).
- 9.27: Organ—G. T. Pattman, "Four Indian Love Lyrics."
- 9.35: Selection—Orchestra, "Aida" (Verdi).
- 9.48: Contralto—Miss Mollie Fenton, "Cloude in Darkness" (Dvorak).
 Duet—Misses Nora Gray and Mollie Fenton, "All Alone" (Dvorak).
- 9.49: Choral—Don Cossacks Choir, "Monotonously Rings the Little Bell."
- 9.53: Selection—Orchestra, "Czardas" (from "Coppella") (Delibes).
- 10.1 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, MARCH 1.

- 8.0 : Selected recordings.
 5.30: Children's song service, conducted by "Big Brother Bill."
 6.15: Selected recordings.
 6.30: Relay of evening service from First Church of Otago (Presbyterian).
 Preacher, Rev. W. Allen Stevely, M.A. Organist, Dr. V. E. Galway.
 7.45: Selected recordings.
 8.15: Relay of concert programme from 3YA, Christchurch.
 10.0 : God save the King.

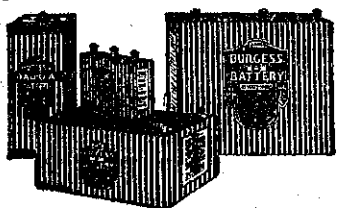
Sunday, March 1

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, MARCH 1.

- 3.0 : Afternoon session—Selected studio items, including literary selection
 by the Announcer.
- 6.0 : Children's song service, conducted by "Uncle Bert."
- 7.0 : Relay of divine service from St. Matthew's Church. Preacher, Rev.
 C. H. Grant Cowan. Organist and Choirmaster, Mr. J. H. Philpott.
- 8.30 (approx): Overture—Paul Godwin's Orchestra, "Eugen Onegin."
 Soprano—Miss Lillian Woods, "When Swallows Fly Low" (Phillips).
 Vocal—The New Clarion Quartet, "In This Hour of Soften'd Splen-
 dour" (Pinsuti).
- Instrumental—The Moore Sisters, Trio, "Liebestraume" (Liszt);
 Cello, "Star of Eve" (Wagner).
- Contralto—Miss Beryl Smith, (a) "That's All" (Brahe); (b) "Song of
 the Open" (La Forge).
- Evening weather forecast and announcements.
- Instrumental—The Moore Sisters, violin solo, "Liebeslied" (Kreisler);
 trio, "Abenlied" (Schumann).
- Tenor—Mr. Lambert Harvey, "Eleanore" (Coleridge-Taylor).
- Vocal—The New Clarion Quartet, "Whiter Than Snow" (Alleyne).
- Cello—Edmund Kurtz, (a) "Mazurka"; (b) "Minuet in D Major."
- Vocal duet—Miss Beryl Smith and Mr. Duncan Black, "Ye Banks and
 Braes" (Burns).
- Selection—National Symphony Orchestra, "Irish Rhapsody" (Herbert).
- Piano—Mischa Levitski, "La Campanella" (Liszt).
- Vocal duet—Miss Lillian Woods and Mr. Lambert Harvey, "Nadeshda."
- Bass—Mr. Duncan Black, "The Smuggler" (Mullinar).
- Instrumental trio—The Moore Sisters, "Nocturne" (Rubner).
- Vocal—The New Clarion Quartet, "Annie Laurie" (Parks).
- Detroit Symphony Orchestra, "Spanish Rhapsody" (Chabrier).
- 10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, MARCH 1.

- 3.0 : Selected gramophone recordings.
 6.0 : Children's song service, conducted by "Uncle George," assisted by the
 Children's Choir from the Kent Terrace Presbyterian Church.



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 RADIO
 BATTERIES**

Grand Concert

VICE-REGAL EVENT

Under the Patronage of His Excellency The Governor-General
 Under the Patronage of His Worship the Mayor of Wellington.

The purpose of the concert is to raise funds for the
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 All money going to the Mayor's Earthquake Relief
 fund.

Wellington's Leading Artists Appearing:

LEON DE MAUNY	SIGNOR TRUDA
MADAME EVELYN DE MAUNY	ARIEL SINGERS
MRS. WILFRED ANDREWS	MELODIE FOUR
CLAUDE TANNER	ASSHETON HARBORD

VICTOR LLOYD and HIS PLAYERS,
 Who present a one-act play, "SHE WAS NO LADY."

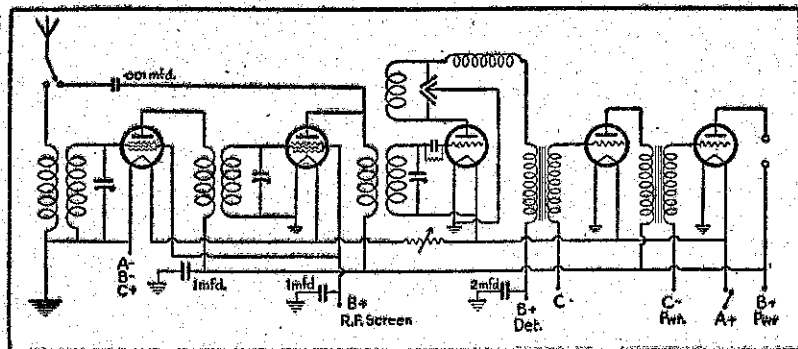
Also several other well-known artists.

**TOWN HALL
 WELLINGTON**

MONDAY, FEBRUARY 23, at 8 p.m.

POPULAR PRICES: 4/-, 3/-, 2/-, 1/-

Seats may be reserved at the Bristol Piano Co., Lambton Quay.

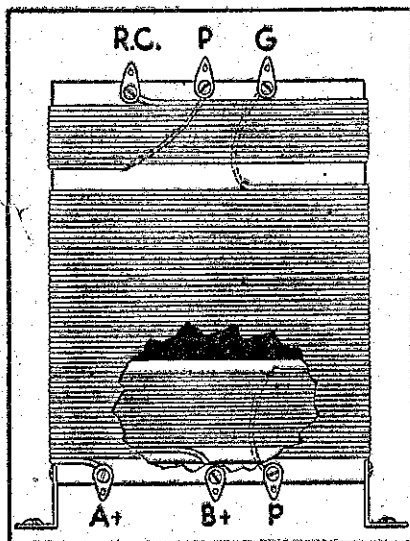


Theoretical Diagram.

"Outspan Five"

(Continued from page 17.)

need to drill right through, just pierce the aluminium and screw them to the underlying timber. The positions of the condensers, the choke, switch and the jack can be seen from the photograph depicting the underneath wiring. Place these in position and screw them to the threeply with 4in. screws. Everything should now be in position



Regeneration Coil.

R.C.—Regeneration condenser and choke.
P.—Detector plate and regeneration condenser.

ready for wiring. At the points indicated by numbers in photograph 4, drill right through the sub-panel and bottom to allow the wiring to pass through without touching.

Wiring the Set.

A POINT to point wiring description will not be given because it would be more confusing than helpful. Photograph 4 and the table that accompanies it will give a clear indication where every wire is to go, while photograph number 3 shows where the wires on top of the set go. Remember, if English valves are used, the description as we have given holds. If American valves are used, the bottom end of the primary connects with P of the first and second valve respectively, G of the valve sockets is the auxiliary grid and the point on top connects with the fixed plates of the first and secondary condensers respectively.

Operation.

THE operation of this set is really very simple. There is no neutralisation, and it should be found to oscillate without any difficulty. Do not keep it in the oscillating stage, as there is a possibility of causing interference. Apart from this, it quite spoils the programme being received. The plate voltages should be as high as possible. The power valve it will be seen is connected with the plates of all valves except the detector. This is in accordance with modern practice, and it will be found to give good results. The voltage on the detector valve will depend upon the capacity of the differential condenser and upon the number of turns on the reaction coil. The screen voltage should be half that of the plate—usually 60-75. Our coil has been designed for a .002 differential condenser. If a smaller one is used more turns must be added to the coil. If however, there is difficulty with oscillation a .0001 condenser shunted across the differential condenser should make the set oscillate readily. If the set is unstable, small shields about 5in. x 5in. should be erected between the three condensers. That means, of course, that there will

be two shields. A fairly large can shield should be used over the coils, and if oscillation is very bad the valves can be shielded by cocoa tins. This was not found necessary in our experimental model, although we had to resort to the shields between the condensers.

We were more than pleased with the results that this set gave us. In its initial try-out we were able to bring in without any difficulty all the main New Zealand and Australian stations. We had to reduce volume considerably on the main Australian stations after about 9 p.m., whilst in the early hours of one morning we had three Japanese at really tremendous strength and an American at very good strength. We have not had time yet to fully explore the possibilities of the circuit.

We believe that if it is carefully constructed it will be by far the most powerful battery set that has been described.

Its simplicity is one of the strongest features in its favour. A glance at the photographs will assure the reader that there is really nothing that will give him any anxiety. Above the baseboard there is very little wiring, while underneath the wires are direct and not in any way confusing. Our system of numbering the holes and providing a key should meet with the approval of constructors.

We strongly advise that only the best parts be used in this receiver. By the best we do not mean elaborate, expensive components. Our set was built of almost entirely English parts and was perfectly satisfactory.

Converting Old Brownings-Drakes.

IN converting old Brownings-Drakes it will generally be necessary to redesign the set and lay it out as we have indicated. Slight adaptations will have to be made in order to use the swinging coil method of regeneration. The detector coil will have to be shifted slightly to the left in order to accommodate the tickler knob. Smaller dials than are shown in the diagram will

have to be used and the knob placed between the second and third. Apart from this adaptation the parts used in the old Browning-Drake will be quite satisfactory.

If selectivity is not quite what is desired, try a .0003 fixed condenser in series with the aerial. By using this we were able to separate 2BL and 4YA from the local station. On 4QG and 2FO there was a fairly strong background.

We hope at a later date to bring out the A.C. version of this set.

Australian Programmes

Thursday, February 19.

STATION 2FC: 10 p.m., "King for a Day," a three-act radio play. 11.7 p.m. and 11.41 p.m. Jack Lamadaine, the Radio Rascal. 11.27 and 11.57 p.m., Queenie and David Kalli, Hawaiian entertainers.

2BL: 10 p.m., concert programme arranged by the Musical Association of New South Wales.

Friday, February 20.

STATION 2FC: 10 p.m., a special musical production has been arranged.

2BL: 10.14 p.m. and 11.15 p.m., the French brothers, entertainers. 10.42 p.m., Vincent Aspey, violinist.

Saturday, February 21.

STATION 2FC: 10 p.m., relay of entertainment by Hospital Concert Party at the Bodington Red Cross Home, Wentworth Falls.

2BL: 10.7 p.m. and 11.43 p.m., Myra O'Neill, soprano. 11.30 p.m. and 12.7 p.m., the French brothers, entertainers. 10.30 p.m., description of boxing contest at Sydney Stadium.

3FO: 10 p.m., orchestral concert by the A.B.C. Wireless Symphony Orchestra and assisting artists.

SILVER-MARSHALL

Having accepted the exclusive New Zealand representation for the component parts of this well-known manufacturer, we intend to appoint "Silver Marshall Service Stations" throughout New Zealand.

Applications are invited from radio dealers for exclusive appointment as a "Silver Marshall Service Station" in their district.

The 1931 S-M production includes:—

Super-Het. Screen-Grid A.C. Chassis,
Super-Het. Short-Wave Converters,
A.C. Short-Wave Sets,
Motor Car Sets, etc.

N.Z. Distributors:

THOS. BALLINGER & CO., LTD.

58-62 VICTORIA ST., WELLINGTON.

"Where the Quality Goods are Sold."

List of Components for the "Outspan Five"

Ebonite Panel, 21in. x 7in.
Aluminium Base, 20in. x 10in.
3 .00035 Variable Condensers.
1 Differential Condenser (up to .0002).
5 UX Valve Bases.
1 30-ohms Rheostat.
1 .00025 Grid Condenser.
2-megohms Grid-leak.
2 Inter-valve Transformers, 3:1 ratio.
3 Special Coils or a foot of 2in. tubing and 6in. of 1 1/2in. tubing.
3 Shield Cans.
1 lb. of 24 d.s.c. Wire.
1 dozen Terminals.
8 Dials.

Switch.
2 1-mfd. Blocking Condenser, rated at 500 volts.
1 .001 Blocking Condenser, rated at 500 volts.
1 2mfd. Blocking Condenser, rated at 500 volts.
1 Radio Frequency Choke.
One Single Jack.
Two Angle Brackets.
1 lb. 32 or 34 d.s.c. Wire.
Sheet of Three-ply the same size as the base, and enough three-ply to form a base for the set, as the diagram.
1 dozen Solder Lugs; 1 dozen Nuts and Bolts; Wood Screws, etc.

Laboratory Jottings

"Colonial" Model 33 A.C.

FROM Messrs. N. R. Cunningham, Ltd., Masterton, we have received for test one of the new "Colonial" Radio Model 33 Receiver

Its distance-getting abilities certainly surprised us. Just before 10 o'clock one night, and a bad night at that, we went round the dial and counted 18 stations. Only five of these were New Zealand. They all came in fairly strongly, and could have been tuned in without any difficulty. In this respect we would like to point out that when testing receivers we do not try for the maximum number of stations we can get with careful dialing. The station must be able to be tuned in fairly easily before we can count it "logged." This result is not, of course, intended to be the criterion of the set's performance, but it gives some indication of what it should do even under most adverse conditions.

Selectivity is another strong feature of the set. We could separate 2FC and 4QG from 2YA, leaving very little background, much less than our standard, and the excessive sidebands of 2YA, which in some receivers gives objectionable buzz, are eliminated. Using the alternative aerial terminal selectivity was even sharper, but there was the concomitant drop in volume.

Another remarkable feature of this set is the volume control. Different from the usual screen-grid a.c. set, it was not necessary to remove the aerial to receive the local station; in fact, the set worked better with the aerial on. It has an almost perfect volume control, which operates on the r.f. coupling and not upon the grid-bias voltage of the screen grid valves. It is for this reason that the volume control is so smooth.

Another interesting and novel feature of the set is the automatic coupling. In the usual construction the coupling in the radio frequency stages is fixed, which frequently gives maximum sensitivity only at the lower readings of the dial. In the "Colonial," however, maximum sensitivity is obtained throughout the whole scale by means of an arrangement whereby the radio frequency coupling is automatically increased as the dial is turned to the higher wave-lengths. This is the only set we know of which incorporates this feature.

The dynamic speaker, too, is unusual in that it has a 14-watt field coil. This extremely powerful magnetic field permits the use of a heavy ridged cone with a somewhat more stiff movement than is common, and this gives exceptionally good high frequency response. Due also to its heavy construction, the speaker will handle tremendous volume without showing any signs of distress.

Pickup terminals are incorporated, and the changeover from radio to gramophone is accomplished by turning the dial round to the "phono" position. Because of this changeover switch, the pickup may be left connected when operating on radio.

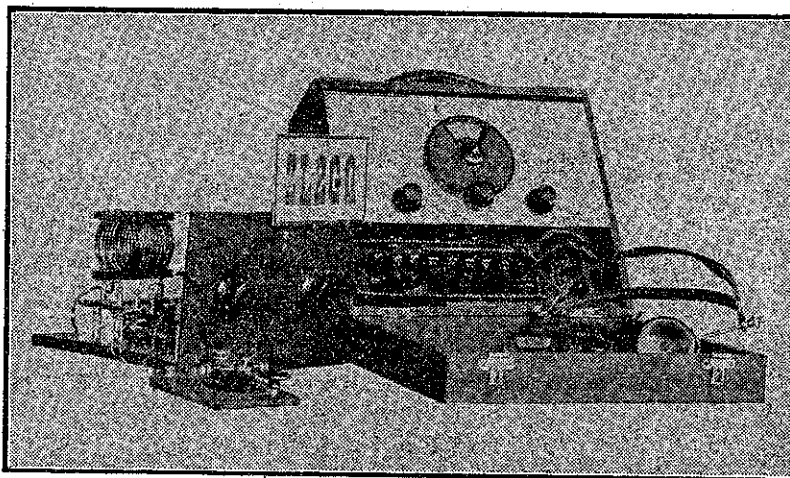
The fidelity of the set is of a very high standard. It goes right up to the high trebles and down to the low bass with a most pleasing evenness of range. A very noticeable feature, too, is that even on the very deepest notes there is not the slightest trace of boominess or cabinet resonance. As a gramophone amplifier it is recommended for use with a low impedance pickup and matching transformer.

THE Association of Radio Transmitters comes rarely before the public eye, except upon such occasions as the recent calamity in Hawke's Bay, or when, perhaps, one of its members is successful in some notable achievement—long distance work, getting unusual information by radio, and the like. But below the surface the activity is not inconsiderable.

A Live and Energetic Body

But it is in the activity on the air, in the early and late hours of the night, that the amateur is most energetic.

The throw of the switches and the throb of the brazen key tell of converse with distant lands, and the little mystic symbols spell out the calls of Siberia, Chile, Sudan, The Virgins, Guam, France, California, England,



The portable outfit taken to Napier by ZL2GQ (Mr. F. I. R. Hunt). On the left is the transmitter, on the right is the receiver.

phone amplifier it is recommended for use with a low impedance pickup and matching transformer.

Another interesting feature which was demonstrated was the remote control, an optional accessory. By means of this it is possible to completely control the set at any distance from it. The control box, measuring only 6 inches by 3½ inches, has on it ten buttons, which may be set to any ten stations. By pressing the button marked for the station required, that station is immediately tuned in automatically. In addition, any other station not preselected can be tuned in by using buttons one and ten. Two buttons control the volume. A green pilot light on the control box indicates whether the set is on or off. There is also an additional button, by pressing which the set can be temporarily silenced. When the button is released the set operates immediately. This silencing button impressed us as being most particularly useful. The remote control consists fundamentally of two low voltage motors, one of which drives the volume control and the other the station finder. This is the first remote control we have seen in this country.

The set employs two stages of screen-grid radio frequency, screen-grid detector, and an a.f. stage of 227 followed by two 245's in push-pull. In front of the first valve is a double preselector circuit. The over-all sensitivity of the set is better than 5 microvolts per metre antenna height. Its high degree of sensitivity and selectivity demands that it should be carefully tuned.

Spain, or New York.

Ever and anon he will tire of the far-off lands, and plunge into local movements again. Each month at least the Association's local branch has its meeting, and there amateur fraternises with amateur (only he calls him a "ham") and lectures, business, and news are the order for the evening.

Periodically, a field day is held in the various towns, and the "hams" depute one portable station to hide, perhaps in the local hills. With direction finders the rest seek him out, the first to reach him being declared winner, and the hero of the picnic that follows.

A while ago a unique event was enacted. The Otago Branch arranged a chess match by radio with the amateurs of Sydney. The local chess club thus enjoyed a splendid game with the Millions Club of Sydney, and from 8 p.m. till 1 a.m. the moves flitted back and forth across the seas, while the players sat in easy chairs and watched the board, the curling pipe smoke and the gleaming dials and switches of the transmitter.

N.Z.A.R.T.—Its Aims and Objects.

THE New Zealand Association of Radio Transmitters (more familiarly known as N.Z.A.R.T.) is, as its name implies, an association welding the amateur transmitters of N.Z. into an effective whole.

What the American Radio Relay League (A.R.R.L.) is in U.S.A., we are working that N.Z.A.R.T. may come to be in N.Z. Even more than this is

attempted by the Incorporated Radio Society of Great Britain (R.S.G.B.), and N.Z.A.R.T., following in the footsteps of the amateurs in the Motherland, is engrossed with the prospect of unified co-operation between amateur transmitters and those listener-enthusiasts whose interests lie wholly or mainly in the shorter waves.

The R.S.G.B., however, has sought to combine two classes which might at first appear incompatible. The hitherto passive listener can act as an official report station. It is here that he can help the transmitter, and it is here that most S.W. listeners receive their introduction to the most wonderful of all hobbies—talking across the world with apparatus one has constructed from hitherto useless components. An isolated amateur can serve only his own particular locality. As part of a national movement he can relay messages, disseminate information and keep his district in touch with the world.

The association has always opened its ranks to keen, interested S.W. listeners, but henceforth S.W. listeners are to be definitely encouraged to join and assist the transmitter—perhaps eventually to join the ranks of the full-fledged amateurs.

Our body has a Headquarters Executive, four Main District and several Sub-District Committees. It issues its own monthly magazine "Break-In," which fills its pages with notes, letters and articles of interest to amateurs and to their listener friends.

N.Z.A.R.T. also runs a bureau for keeping full and complete lists of amateur addresses (which are published in the "Radio Amateur Call Book," in "Break-In" and the "Radio Guide"). The bureau accepts inward report cards from kindred overseas organisations, and distributes them throughout N.Z. Even outward report (Q.S.L.) cards are accepted and forwarded to their destination.

The Association is affiliated with the International Amateur Radio Union (I.A.R.U.), and during the last week in June, N.Z. amateurs are to work only stations in British possessions.

British Empire Radio Week is an attempt to help amateurs to realise the bonds of Empire. Even if a N.Z. amateur does not win the world contest, special recognition is to be given to the most successful amateur in N.Z.

N.Z.A.R.T. also arranges periodical low power competitions when the plate supply is limited to 45 volts. Phenomenal contacts are made when using even such a low power, and it is this type of competition which trains the amateur to be of use in an emergency.

In these and in other ways N.Z.A.R.T. seeks to make the short waves as interesting and useful as possible, and the services of N.Z. amateurs are freely offered in time of need. Inquiries are solicited and should be addressed Box 489, Wellington.

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Short-wave News

France's Colonial Station.

THE new short-wave station destined for communication between France and her colonies is approaching completion. It will be installed at Pontoise, near Paris, and will be officially opened, if all goes well, in February. The aerial power will be 30 kw. This station should be heard in all the French colonies of the world.

OTBAG, Funchal, Madeira.

THIS station broadcasts every Friday and Sunday, from 10 a.m. till 1 p.m., New Zealand summer time, on a wavelength of 47 metres. Announcements are made every half-hour in Portuguese, English, French, Spanish, and German.

LSX, Buenos Aires.

THIS station is now on the air one hour earlier or from 12 noon to 1 p.m. New Zealand time. This 10 kw. station works on 28.9 metres, can be identified by the call "Allie Essie Axie, Transradio, Buenos Aires."

Poznan, Poland.

THE short-wave station at Poznan, Poland, "Raadio Poznonskie," on 27.3 and 33.7 metres, can be identified

"Radio Record and Electric Home Journal"

12/6 in Advance; 15/- Booked.
BOX 1032, WELLINGTON.

FOR SALE OR EXCHANGE

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

SALE.—Radio apparatus, sets and accessories; 20 per cent. off list prices. Send for lists. Limited time only. Ultimate Radio Service, Kaitiaki.

YOUTHFUL Slim Figure can be yours by taking Youth-O-Form Capsules. Absolutely harmless. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

SUPERHETRODYNE Transformers, three matched Marconiphone, tuned to 6000 metres, in perfect condition, 30/- the lot or offer. J. Turtley, R.D. Te Aroha.

TUNGAR "A" and "B" Charger, also Six-volt "A" Battery. £4/10/- the two. Reply "Tungar," "Radio Record."

GIRLS of 9st. wishing to reduce to 8st. find it easy with Youth-O-Form. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

WE repair Battery and Electric Radios, Speakers, Eliminators. Estimates given. Latest appliances. Valves tested free. R. H. Co., 553, Colombo Street, Christchurch.

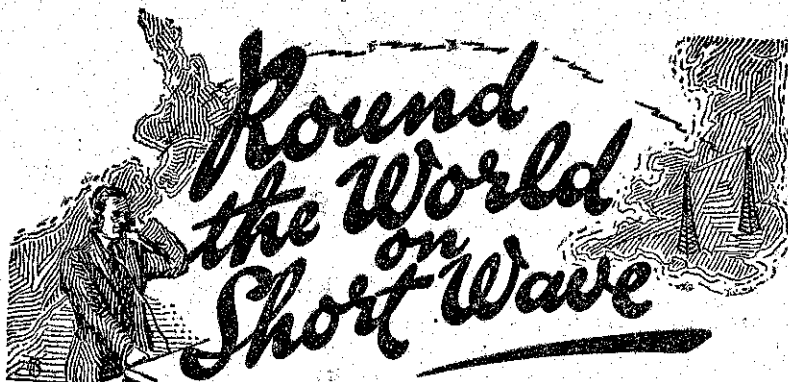
"A. B. C." ELIMINATORS, with Westinghouse Rectifiers, make Battery Radio superior to most A.C. Radios. Quotations gladly given. Johns, Ltd., Chancery Street, Auckland.

£26 Triple Screen-Grid Metrodyne Chassis and Dynamic, less valves. Powerful, easily tuned, Phono, Connection. R. H. Co., 553 Colombo Street, Christchurch.

SHAPELY Figure restored by taking Youth-O-Form Capsules. 20lb. reduction in 6 weeks. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

AERIAL Wire, 100ft., 3/-; Tinned, 3/6; Heavier, 4/3; 5/6; 6/-; 7/-; Lead-ins, 25ft., 2/-. R. H. Co., 553 Colombo Street, Christchurch.

SEVEN-VALVE All-Electric Atwater Kent, 1930 model, Magnavox dynamic speaker and Webster pick-up. What offers? Cash. Apply "Reasonable" c/o "Radio Record," Box 1032, Wellington.



by the interval call, a blast on a trumpet. They broadcast on Mondays and Thursdays from 4.30 a.m. till 10.30 a.m., New Zealand time. Announcements are made in Polish and French. The Polish National Anthem, "Dombrowski Mazurka," is played at the conclusion of each programme.

HVJ, Vatican City, Station. Opened by the Pope.

THE call sign that the new Vatican City station uses is HVJ. Reception when they were testing on 50.26 metres was considerably better than when the station was officially opened by his Holiness the Pope on Friday morning, when they were transmitting on 19.84 metres. On this occasion they came on the air at about 2.30 a.m. to make tests and adjustments. Volume at this time was about R4, but the wave was swinging badly at times, it being necessary to adjust the tuning, condenser, continually. This trouble continued all through the transmission. At 3.30 a.m., when the Pope left his apartments, a fanfare of trumpets was just audible, volume having decreased slightly. The station then went off the air for an interval while his Holiness went through the ceremony of "putting the station on the air." When they came on again, the volume had improved slightly and continued to do so till about 4 a.m., after which it rapidly decreased.

Log for Week Ending
February 14

RECEPTION on the whole has been fairly good. On account of there being so many short-wave stations working on duplex telephony, only broadcast stations were listed.

RV15, Siberia, 70.1 metres: Each evening from about 8 p.m., at good volume.

PMY, Bandoeng, 58 metres: Friday morning, 2 a.m., R7-8, good quality, but spoilt by static.

HVJ, Vatican City, 50.26 metres: Testing on Tuesday and Wednesday mornings. Tuesday was calling GLN, Dorchester, volume R9, with one of audio. On Wednesday the order of the opening ceremony was broadcast.

7LO Nairobi, 50 metres: Each morning, volume best about 6 a.m., spoilt by static as a rule.

W9XF, Chicago, 49.83 metres: Continues to come in well after 5.30 p.m. till 7 p.m.

PK3AN, Sourabaya, 49.7 metres: Friday morning, 2 a.m., at R8, static very bad.

W3XAL, Cincinnati, 49.5 metres: Testing on Tuesday, Wednesday, and Friday, good volume after 6.30 p.m. On Wednesday they were still on at 10.30 p.m. Volume was R8 at 6 p.m., increasing to R8-9 by 6.30 p.m., remaining at that till after 10.30 p.m. Static was very bad.

W3XAL, Boundbrook, N.J., 49.18 metres: Still the best from U.S.A., till 6 p.m. each evening.

HSP, Bangkok, Siam, 49.3 metres: At 1.45 a.m. Friday morning, orchestral music was received at R8-9, static, as on

all these 49-50 metres on Friday morning, was very bad.

Radio Sargon, India-China, 49 metres: Saturday from 11.30 p.m., R9, with one audio.

WSXK, Pittsburgh, 48.86 metres: Messages to the far north on Sunday, R6 at 5.30 p.m.

VE9CL, Winnipeg, 48.7 metres: Wednesday at 6 p.m., R7, very gurgly, only odd words readable. They closed just after 6 p.m.

HRB, Honduras, 48.62 metres: Sunday, R3 at 4.45 p.m., too gurgly to be readable.

3ZC, Christchurch, 46.3 metres (about): Came in at good volume on Friday evening, but spoilt by a harmonic of 2YA.

Radio, Piacenza, Italy, 45 metres: Good volume every morning, best between 6 a.m. and 7 a.m.

J1AA, Japan, 37.5 metres: Tuesday, 8.50 p.m. Talk at R7; Morse interference very bad.

VK3ME, Melbourne, 31.55 metres: Excellent each Saturday, from 10 p.m.

W2ZAF, Schenectady, 31.48 metres: Sunday till 4.27 p.m., reaching R8. Saturday not so strong.

Zeesen, Germany, 31.38 metres: This station has been heard at its best several times during the week. On Friday at 1.20 a.m. (an all-night sitting) they were excellent at R9 with an organ recital. Volume was down to R6 at 5 a.m., but up to R9 again by 6 a.m., when a choir rendered some fine items. Other good mornings, about 6.30 a.m., were Tuesday, Wednesday, Thursday and Saturday.

W1XAZ, Springfield, Mass., 31.35 metres: Sunday R3 at 4.30 p.m. About the same at 1.30 a.m. Friday. Saturday, good at R8-9 till signing off at 4.45 p.m.

PCJ, Holland, 31.28 metres: On Friday and Saturday mornings our old friend was back to his old time volume and quality, being R9 from 6 a.m.

NRH, Costa Rica, 30.5 metres: Sunday at 3.45 p.m. R5 with a long talk, odd words only being readable. The closing announcement was made at 4.3 p.m., followed by their usual signing-off song.

LSX, Buenos Aires, 28.98 metres: Sunday, R3 at best.

VK2ME, Sydney, 28.5 metres: was heard calling HVJ, Vatican City, on Thursday morning, but the latter station could not be heard.

G5SW, Chelmsford, 25.53 metres: The usual morning transmissions have been louder, but still subject to rapid fading. On Friday morning from 12.30 a.m. till 1.30 a.m., reception was all that could be desired, both as regards quality and volume. An organ recital was heard during the first half hour. After the Greenwich Time signal, 6 pips, at 1 a.m., vocal and pianoforte items were broadcast till closing time.

12RO, Rome, 25.4 metres: Has not been so good as usual. They have been gushy each morning except on Thursday, when they were R8-9 at 7.30 a.m., with what appeared to be a debate between a lady and gentleman.

WSXK, Pittsburgh, 25.25 metres: Each morning, but too weak to listen to.

HVJ, Vatican City, 19.84 metres: Friday morning. Report earlier in notes.

W2ZAD, Schenectady, 19.5 metres: Each morning, but only just readable now.

Amateur Transmitters
Prepare Interesting
ScheduleGeneral Meeting Next
Week

THE second District Board of the N.Z.A.R.T. will hold their first general meeting for the ensuing year on Tuesday, 24th instant, and it is rumoured that there are big things doing. The committee have been working hard and have a real live schedule ready for the next half-year.

At the above meeting all the cards will be laid on the table, and members and others interested will be able to make their plans ahead so as to be sure not to miss any particular meeting of interest to them. Incidentally, it will be apparent after the meeting that this will entail only one evening per month, as it will be obvious then that every meeting will be worth attending.

At the meeting on the 24th there is to be a talk which none should miss. The services of several hams who did good work at the time of the recent earthquake have been obtained, and with some of the apparatus used, set up as it actually was, members will be told in graphic language, first hand, what the feelings and experiences of these men really were. To give an idea of the worth of the talk and demonstration that is forthcoming, the following names are sufficient testimony:—Mr. W. M. Dawson (2XP) President 2nd District, Messrs. Don Cooper 2AK, C. Liddel 2B1, and S. Perkin 2GK.

Earthquake Service

I WOULD like to express my sincere appreciation of the splendid services which have been given by the Broadcasting Company during the past week. Although I have, fortunately, no friends or relatives in the stricken area, I feel that the heavy work in tracing persons, etc., must have been a drag on the energies of the staff. In this connection I especially commend the work of Mr. Drummond, 2YA's popular announcer.—L.J.R. (Wellington).

TWO WORLD BEATERS

Phar Lap in the Racing World.
Add-A-Phone in the Radio World.

The first news of the earthquake disaster was received by short-wave.

The first attempt to establish communication with the devastated area was an enquiry for the three shortwave amateurs residing in Napier.

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FOR the coming winter, black, brown and navy cloth coats with luxuriously large fur collars and cuffs will be very much worn. A soft, cosy wool dress of lighter shadings to tone, or in a decided contrast trimmed with touches of colour to match the coat, is worn underneath; and, of course, the inevitable bright flower posy nestling somewhere in the fur collar. Dark brown and cream is likely to out-favour black and white, and a very dark green with deep cream is also a new alliance. For instance, a dark green long coat of soft, smooth cloth, flared ever such a little at the hem, and having a cluster of pale beige camellias placed in the beige ermine collar of the coat, is worn over a very deep cream or parchment-coloured frock of a wool and satin mixture. For extra warmth there is a slim-fitting waistcoat in dark green wool with cream buttons.

EVERY woman knows that a room is made or marred by its lighting. The solitary central ceiling light is not too kind to our eyes or to our furniture, and we are learning to use electric light in a more subtle way, to diffuse it with a softer radiance, and to regard it from an ornamental as well as a practical point of view. Concealed lighting effects, such as illuminated cornices and ceilings are too expensive for the average householder, but coloured lighting introduced into wall-brackets at intervals round the room is quite economical and very effective. Table and bed-side lamps are very attractive just now. Designers are competing keenly with each other in the creation of beautiful lights. A well-known English maker of lovely china figures is adapting his models to fit into any lighting scheme. The figure is mounted as a table lamp with a coloured shade, and the Queen, who, as you know, is a connoisseur and keen collector of china, greatly admires these figures, and has bought several of them.

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By "ALISON"

THE very newest news in the world of fashion is that the "best" dress designers are producing shorter evening dresses. Women have soon grown tired of trying to deal gracefully and successfully with wispy tails, and men—dancing men especially—have kicked against the odds and ends of material which cling to their ankles and cramp their style. So, of course, women have demanded shorter skirts, and designers cannot choose but follow. So now we can safely dispense with our trailing glories and be comfortable once more.

quake and its subsequent reactions on the mentality of a child. The language is terse and vivid: "Then it came. The water of the bay ebbed away, as if someone had pulled the plug; sand and coral gleamed for a moment new to the air; then back the sea rushed in rollers which splashed right up to the feet of the palms. Turf was torn away, and on the far side of the bay huge wedges of cliff tumbled into the water; sand and twigs whirled, dew fell from trees like millions of diamonds; birds and beasts, their tongues loosed in terror, screamed and bellowed...."

Thought for the Week

I wish I could broadcast a message to all people who are sad and unhappy, in trouble or despair at this moment, to let them know that it doesn't last—it can't last; to tell them to go on believing and hoping, and praying and looking forward, because all the worst muddles and the saddest tangles are bound to come right in the end.

Oliver Sandys.

BROADLY speaking, the more mediocre a man, the less inclined he is to give a woman her due. Recently in the house of a friend, I found myself cornered by a large, loose-limbed wearer of plus-fours, who settled down beside me for a literary causerie. "Rather difficult, y' know, this choosing books from the library," quoth he pompously, and added with kindly patronage: "Perhaps you know a few you can recommend?" Secretly doubtful as to his powers of mental assimilation, but desirous of promoting social amenities, I volunteered the names of certain admirable volumes that lately have come my way. "Angel Pavement," Rebecca West's "Harriet Hume," Virginia Woolf's "Orlando," Margaret Kennedy's delightful novels. Mr. Priestly's effort passed muster, but the rest were waved aside superbly. "I simply can't read anything that women write," said my preposterous pundit. "Women's books bore me terribly!" So I tore up my little list and pondered on the fatuity of my dear fellow-creatures.—"Deirdre."

There was nothing, no adventure from the hands of God or Man, to equal it. If she had suddenly found she could fly, it would not have seemed more miraculous. Heaven had played its last, most terrific card, and small Emily had survived where grown men had succumbed. Life seemed suddenly a little empty, for never again could there happen to her anything so dangerous, so sublime. When she went back to England, she could say, "I HAVE BEEN IN AN EARTHQUAKE!"—"Southerner."

A WELLINGTON woman, travelling abroad, writes as follows: "I sat next to Mrs. Bernard Shaw at one of Shaw's lectures. I had to keep pinching myself to realise I was listening to the modern Socrates. It seemed too marvellous to be true. When it was over I could not resist saying to his wife: 'What a wonderful speech!' She looked as happy as a child, and told me she had been worried about him as he had not spoken in public for two months, and she was afraid he would be weary. When he had driven off in his car (making the worst gear change I have ever heard—the darling!) I stole back to the lecture hall and gathered up the torn fragments of his notes in answer to questions. I have pieced them together. They are treasures."

LIKE thousands of others, on the night of Tuesday, fateful 3rd of February, I lay sleepless through the hours of midnight and dawn. At last, turning on the light, I reached for the nearest book, which happened to be that strange and ingenious tale of the tropics and murder on the high seas entitled "High Wind in Jamaica." Curiously coincident, the first words my eyes rested upon described an earth-

sea waves being flouted by gaiety of beach wrappings that astonish old-fashioned onlookers and bedizen the sands o' Dee. Futuristic stripplings of the most fantastic, multi-coloured Japanese umbrellas, coolie coats and hats hoisting stark primary colours, flaunt strident charm. Worn over pyjamas en route to bathing-beach, the "happy" coat flaps its way into the affections; slender and graceful golden girl scoring all the time, for gentlemen still prefer blondes, in spite of dark-eyed sirens whose epidermis takes on so entrancing a tan under the heat of the sun. And when night comes, the long day done, there's always the useful ubiquitous gramophone to lend a hand; and, despite hard times, pessimistic prophecies, and impending inflation, the stars still "shine over the summer seas" while eternal youth chases the glowing hours, if not with flying feet, with the modern equivalent thereof.—"Undine."

WE learn from a leading journal that the Pope has given apostolic benediction to a world-wide crusade to be undertaken in 1931, one of its purposes being to inculcate Christian ideas of morality. Chapters of this confraternity will be established in every country, and priests must promise to use persuasion, reproaches, prayers and reprimands to induce women to wear garments which respect modesty and are the ornament and defence of virtue. Girls who adhere to the fraternity will not be permitted to participate in public gymnastic exercises or contests. "Immodest attire will be attacked," it is stated, "because it is ugly and ungraceful and because it provokes the decadence of the modern woman and the loss of her immortal soul."

HOUSEWIVES in Wellington will this week be given the opportunity of definitely cheapening the cost of living. This will be done through the Open Markets to be opened on Wednesday in a commodious building in Bond Street, at the back of "The Dominion" Newspaper Building. Here there has been laid out a set of some 20 stalls, occupied by producers of all kinds—the apple-growers of Nelson, the flower and vegetable-growers of the Hutt, the fishermen of Island Bay, as well as stalls specifically set aside for the sale of poultry and cold meats, butter, cheese and honey, sweets and confectionery. There is another stall which I think will be of growing interest to city housewives. This is Mrs. B's stall. Why the name? The explanation is that this stall is sponsored by the "Dairy Exporter and Farm Home Journal," in which Tui, the Lady Editor, writes monthly to "Mrs. B."—the title under which she addresses her feminine readers on subjects of interest. In the country homes of the Dominion are many famous cooks, gardeners and needlewomen, and the stall is designed to enable them to capitalise their industry and talent in these fields. I have seen some of the splendid needlework already sent in, and feel sure that many bargains in beautiful things in this field will be available, as well as in the realm of home-made cakes, jams, etc.—Amaryllis.

... With ... BOOK and VERSE

By "John O'Dreams"

PRIZE POEM COMPETITION

A WELL-KNOWN resident of Wellington, of pronounced literary and Socialistic tendencies, has been attending the I.L.P. National Summer School at Digswell Park, Herts., England, which is a rendezvous for many of the most independent-minded and distinguished students of affairs in Britain. Writing home, the New Zealander, amid much that is of extreme interest at the present juncture in world economics, says: "This school was quite the most remarkable experience of my life. The moment you enter the doors you become one of the Socialist community. There are no introductions, but you wear your name pinned on you on a little ticket, and are addressed thenceforth as 'Comrade.'"

"People from every station of life are gathered together here to study the world's affairs. Some come from the slums of London. Some from England's Aristocracy. Some from the Army, Navy, and Dominions. There is absolutely no class consciousness, for everyone (with the exception of a few Conservative students as guests) is working for the one ideal of the 'world state.' Maxton, a great power, was the school host, and greeted us at the door. It was a revelation to hear Shaw, now 75 years of age. Straight as a ramrod, he stood with his arms folded, the picture of health, sane living and sane thinking, and spoke for two and a half hours without notes, keeping his audience spellbound, except when they rocked with laughter at his sparkling wit."

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QUICK RELIEF



THE prize of half a guinea in the current competition is awarded to M.K. for "Midnight Silence," and we congratulate our new contributor on the attractive verse form in which she has couched her poetic imagination. Another newcomer to the column is P.M., whose graceful and fluent poem entitled "An Aspen in the City" is only slightly less admirable than that of the prize-winner. Some of the verses sent in naturally have had reference to the catastrophe that during the month has devastated Hawke's Bay. These, however, are by no means the best poems, possibly because our reactions to the calamity are still too poignant to be expressed in any but the briefest and starkest way. "Emotion remembered in tranquillity" is more amenable to the poetic muse than the first horrified recoil from those bludgeonings of fate that lately have rained so heavily upon our community.

"Thur" finds inspiration in the wind lately raging o'er land and sea, contrasting its sound and fury with peaceful pillow, on which her dreams are lit by pleasant imaginative touch.

S.B. sings of eternal mother-love in commendably brief lines. Creditable for a first attempt, but still a long way from top notch.

K.M.—The prize poem competition is open to all readers of the "Record," the only stipulation being that no poem will exceed 25 lines.

S.E.D. writes with facility, but no distinction, about the recent tragedy of fire and earthquake.

"At Napier" is on the same tremendous topic and tells the tale in two categorical verses. "Wrecked much substantial property," however, is not an inspired line; neither is "The earthquake came on suddenly." Did it ever do anything else?

Karl.—You trench on too controversial a topic.

H.B.—Inadequate to a degree.

"Ne'er-do-well."—We regret your keenly critical exposition is outside our province.

... Midnight Silence ...

Stillness. So quiet, so still,
A pool beneath a rock were not more still. . . .
The great sea thunders on the reef,
But only softly sleeping murmurs stir
Within this quiet pool.
So still the pool,
So cool and dark within the pool,
Beneath the great dark rock.
And on the still, cool sand
Red seaweed softly drifting. . . .
Here will I lie dreaming,
Softly, sweetly sleeping,
The Sea King's lover. . . .
Here will I lie dreaming
Still and cool,
Drifting on the seaweed
In the dark, still pool. . . .

—M.K.

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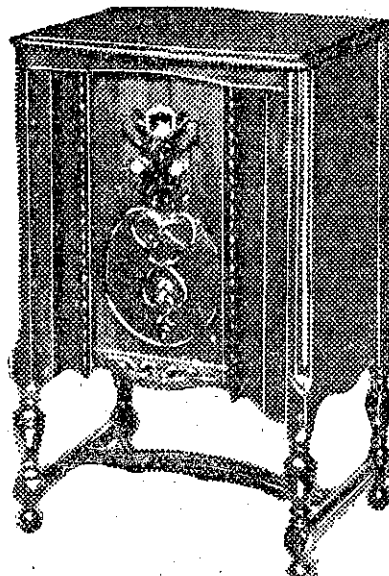
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Radio Round the World

THE highest broadcasting station in the world is that of La Paz, Bolivia, 10,500 feet above sea-level.

IT is probable that the American Federal Radio Commission will permit the remainder of the twenty cleared channels designated for high power to be filled by stations selected from those applying to use 50 k.w. power. American DX-ing will be a simple business shortly.

AMERICAN radio salesmen are nothing if not ingenious. One recently advertised:—"Moving to the country; will exchange electric radio for a battery set." What he wanted to know was the names and addresses of people who desired to have up-to-date receivers!

THE Italian authorities are making strenuous efforts to suppress unlicensed receivers and transmitters. Not only have the police the right to search private dwellings if they suspect that they harbour unlicensed receivers, but it is stated that a wireless dealer may not even sell a battery to a customer unless he can produce his listener's license.

TELEVISION experimenters in America are to be allotted the ultra-short wave-lengths for their experiments. It is understood that the Federal Radio Commission is consenting to the allocation of 6.97 metres to the Milwaukee Journal, which has already experimented with 13 metres, and intends to discover whether still shorter waves are not more suitable for television.

RADIO principles are being applied as aids to the hard of hearing through the use of sound waves pitched so high as to be inaudible to persons with normal ears. Heretofore most appliances to aid the partly deaf have depended on some form of sound amplification. Research engineers, however, observed that the hard of hearing seemed to hear much better on busy street corners, or in other places where there was a constant noise or roar. They decided this was due to the fact that this noise kept the ear-drums in vibration and that the vibrating drums were more sensitive to sound than when set in motion from a state of rest. In order not to annoy normal persons, a method was developed for sending out sound waves of a frequency beyond the range of the ear. These waves are not heard, but keep the ear-drums vibrating, thus making it easier for the partly deaf to pick up audible sounds. A radio oscillator is used to create the inaudible pitch and a reed operated by compressed air to supply body or volume and frequency.