

PUBLISHED WEEKLY

THE RADIO RECORD

AND
ELECTRIC HOME JOURNAL

Vol. IV., No. 29.

WELLINGTON, FRIDAY, JANUARY 30, 1931.

Price, 3d.

86

The Newest **RADIOILA**

**The Utmost in Radio and Recorded Music
... now with HOME RECORDING**

In Radiola 86 you get the highest development of the famed Super-heterodyne—to bring you radio programmes with a rich, pure, mellow tone that is thrilling in realism—plus an electric gramophone for the perfect reproduction of recorded music.

New fun for your parties! Let your guests record—then play their recordings back immediately. Entertainment such as you never had before.

See—hear—Radiola 86 at your nearest Radiola Dealers.
Ask for a Demonstration TO-DAY!

Amalgamated  **Wireless**
(Asia) Ltd.

The home recording feature enables you to record music and speech in your own home circle. At the turn of a switch you can also record excerpts from radio programmes and keep the records for future enjoyment as often as you please.

P.O. BOX 830 :: WELLINGTON.



OVER TWO MILLION

TWO AND A-HALF MILLION WORDS
could not say as much for Philips Valves as
the two and a-half million "Miniwatts" which
have now been sold in New Zealand and
Australia.

A.C. VALVES

For your American-made Set.

Type	Purpose	Price
F203	Power Valve	28/6
F109	Amplifier (Directly Heated)	14/-
F209	Detector and Amplifier (Indirectly Heated)	22/-
F242	Screened Grid (Indirectly Heated)	29/6
C603	Power Valve	15/-
1560	Full Wave Rectifier	25/-
1562	Half Wave Rectifier	45/-
F704	Super-Powered Valve	50/-

PHILIPS

VALVES

W23R

"Fully half of the racial hates and international hostilities arise from lack of understanding..."—is the opinion of Dr. Guy H. Scholefield, O.B.E., Parliamentary Librarian. In the following interview he reveals the important part radio has played in the establishment of a wider inter-racial understanding, and ultimately of a world peace.

You have asked me for some remarks on the use of broadcasting as a factor in the promotion of international peace. To those, perhaps who have begun to think of international matters only in the last few years, the thing is possibly self-evident. It is a fact with which they have grown up, and which needs no demonstration. There are, I suppose, very few people in New Zealand to-day who have not had an opportunity through radio of actually hearing speakers from the other side of the world express their views. Even the young people of to-day have heard the voices of the great men of our own Empire and of foreign countries.

Now, what was the position, say, twenty years ago? Up to the time of the Great War facilities for the exchange of opinions, or even for hearing the voice of a foreigner, did not exist. Even in Great Britain speeches by representatives of foreign nations were heard only occasionally, and then only by limited audiences of learned societies, chambers of commerce, and so on. There was no possibility of their being heard by the mass of the people.

EVEN the representatives of the British Dominions were heard only when they assembled at Imperial conferences, and then by a small portion of the public. In fact, it is not far wrong to say that the people of one country had no means whatever of knowing what those of another country thought, except through the restricted medium of the Press. Certainly some of the great newspapers and Press organisations maintained excellent staffs of foreign correspondents, and gave the British public a fine conspectus of the outstanding news of the outside world—and in this respect New Zealand was for many years one of the best served countries in the world. But the most enthusiastic champion of the old style of journalism would not venture to assert that this service could be compared with present-day facilities for exchange of ideas provided through the medium of radio.

Within the last year or two there has been a complete intellectual revolution worked by the transmission of the human voice. It is an amazing reflection that whereas at the beginning of the century the whole of mankind was dumb to any but hearers within the range of the human voice, to-day there is scarcely a spot in the world so remote that its

And They Shall

dwellers cannot hear instantaneously the voice of one man anywhere who desires to be heard. I have said "one man," which is remarkable. If I had said "any man" it would have been equally true, but it would have been disturbing.

The young people of to-day are the first generation in the history of the world, who, wherever they live, can say that they have heard the voice of the sovereign of our great Empire actually addressing his people all over the world and being heard by them; who have heard a great international conference

DWELL IN PEACE

for the limitation of armaments actually in session; who have heard men in distress calling for help from uncharted solitudes; who have heard, in their own drawing-room, the accents of foreign statesmen; who have heard faint suggestive propaganda from secret conclaves; who have heard kings and captains and prelates speaking intimately to their subjects in their own tongues, and at times uttering a few words of English for their own ears. It is a marvel that our own parents could not have conceived and would not believe.

Now it is obvious that a discovery which has made such things possible forces which must have an immense influence upon the

by

vious that a dis-made such has let loose must have an ence upon the

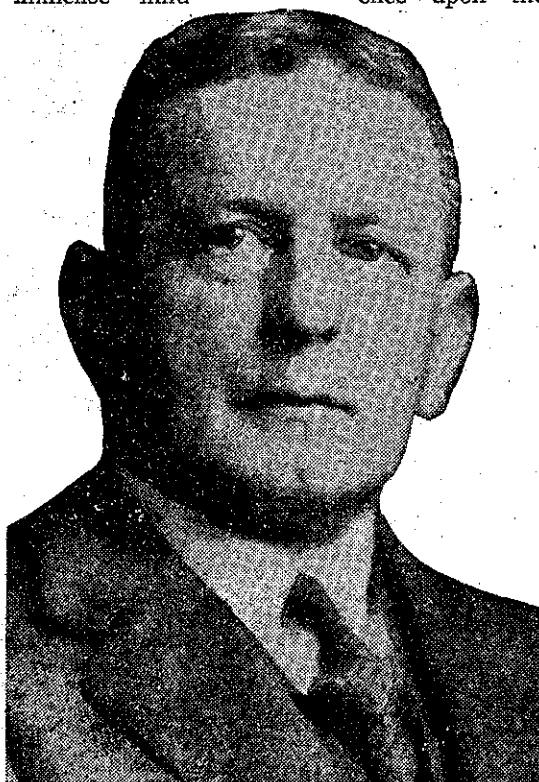
Dr. Scholefield is an eminent New Zealand journalist and author of several authoritative works on national affairs. A resume of his varied and interesting career appears elsewhere. During the special international programmes to be broadcast from 2YA on Wednesday evening, Dr. Scholefield will deliver talks on subjects of international importance.

world. Is it to be a good influence of a bad one? It might be either. Such a power of penetrating into the homes and the consciousness of the masses might be either wholly subversive or universally beneficial, or a mixture of both. Personally, I am convinced that the power of wireless for good will far outweigh its possibilities for evil.

Many good people, particularly of the older generation, may be inclined to look askance at it, and to believe that the world would have been all the better without it. And they may quote in support of their belief the known fact that radio is being used here and there for what the call "propaganda" purposes. By propaganda, of course, they mean hostile or subversive suggestions insidiously planted in the mind. It does not really mean that, of course, and no doubt wireless is employed by State and other agencies every day for purposes which meet with the complete approval of loyal and philanthropic people.

On the other hand, I understand that a certain amount of propaganda from Soviet and Communistic sources has been detected during transmission by radio, the object being, of course, to get these opinions accepted abroad. But even if this is true, I feel certain that the amount of good that is actually being done through wireless far outweighs any harm that can possibly be done in this enlightened age. The mere dissemination of new ideas and educational programmes in this easy and acceptable manner will tend to improve the intellectual standard of mankind, and especially to widen their outlook, so that when questionable views are put abroad they will be recognised for what they are, and accepted or not according as the listener is disposed towards them.

The greatest boon that wireless contains, in my opinion, is its power for disseminating international understanding and improving the relations of nations with one another. Fully half of the racial hates and international hostilities, I am sure, arise from lack of understanding. Nations have grown up in a state of hostility which is almost natural, inasmuch as they have lived entirely within their own borders and been concerned entirely with their own welfare. The language barrier (Concluded on page 2.)



Dr. Guy H. Scholefield, O.B.E.

—S. P. Andrew Photo.

"Dwell in Peace"

(Concluded from page 1.)

and lack of any real intercourse among the masses has prevented them from knowing anything of other people; national patriotism has prevented them from believing anything good of each other; and when disputes have arisen there has been no means whatever by which the masses could understand the point of view of each other.

I am not optimistic enough to believe that wireless has provided a panacea for all of these evils, but I do believe that the international outlook that it is creating will go very far to prevent the re-erection of those mountains of prejudice which has governed world relations in the past. The mere fact of being able to hear the leaders of other nations speaking, even if they cannot make themselves understood in our language, is a human factor which tends towards friendliness.

By way of diversion, I may say that even the language barrier shows signs of falling before this new force. The war in the first place tended powerfully to make English the universal tongue. It is now studied and spoken in countries which previously scarcely knew of it, and in most European countries the English traveller is now scarcely aware of the tribulations of his predecessors in the matter of language. We people of British stock can thank our stars for this development, for it is notorious that of all people in the world the English make almost the poorest linguists, and have always shown themselves hostile to learning other peoples' tongues.

Fortunately for us we have come off better than we deserved in this problem of Babel. We now find other people learning English in a manner that neither our own virtues nor the intricacies of our language have deserved. It is, I think, not far wrong to say that to-day English is the language of radio. No doubt a better and more easily acquired language could have been chosen or devised, but force of circumstances during the war

and the mere weight of numbers of the English-speaking people in the seven seas have achieved this, to us, desirable end.

That being so, it seems likely that wireless as a means for the exchange of views between nations and between people of different nations will become increasingly potent. The language barrier being overcome, it knows of no divisions of race or nationality; like pure science it will recognise no barriers between nations, and as the radio enters home after home and brings family after family in these new countries into close association with the voice and the opinion of people abroad, the occasions for international dispute are likely to become less and less.

Eminent Journalist and Author

To Speak from 2YA

DR. GUY H. SCHOLEFIELD, O.B.E., a noted New Zealand journalist and now Parliamentary Librarian, is to give talks on subjects of international importance during the Wednesday evening programmes from 2YA. Dr. Scholefield was born in Dunedin in 1877 and was a brilliant student. He won the Bowen Prize and also the Macmillan Brown Prize. He entered journalism in 1896, when he joined the "Bruce Herald." He was on the staff of the "New Zealand Times" in 1899, then on the "Christchurch Press," 1903-4. In 1906 he was chief of staff of the "New Zealand Times." From 1908 to 1919 he was London correspondent for the New Zealand Associated Press. He studied at London University, gaining his B.Sc. in 1915 and his D.Sc. (economics and political science) in 1919.

In 1914 he was first correspondent with the Grand Fleet and on the Western Front. He was made an honorary lieutenant in the R.N.V.R. Realising the need for a news journal among the New Zealand troops, he founded and was honorary editor of the "New Zealander," which was so greatly valued by all soldiers. He conducted this for three years till the end of the war. In 1919 he was awarded the O.B.E. Returning to New Zealand in 1919, his first big work was the writing of the official history of the tour of the Prince of Wales, in 1920. As editor of the "Wairarapa Age" he took an active part in the civic affairs of that town. In 1926 he was appointed to his present position.

Dr. Scholefield has been honorary secretary in New Zealand of the Institute of Pacific Relations since 1926. He is a member of the Hakluyt Society and a Fellow of the Royal Historical Society since 1920. "Who's Who in New Zealand" is one of the books which he founded and edited. Others to his credit are: "New Zealand in Evolution" (1909), "The Making of a Nation," "New Zealand" (International Information Series), "The Pacific" (1919).

HAVE you renewed your subscription to the—

"Radio Record and Electric Home Journal"?

12/6 in Advance; 15/- Booked.

Australian Programmes

Times Corrected for New Zealand

Thursday, January 29.

STATION 2FC, 10.14 p.m. and 11.24 p.m.: The A.B.C. String Quartet; 11.2 p.m. and 11.44 p.m., Gladstone Bell, cellist.

2BL, 10 p.m.: The A.B.C. Players present a pot-pourri of music, comedy and drama.

3LO, 10 p.m.: "Tunin and Hear" 10.15 p.m.: Dance programme, interspersed with novelty numbers.

Friday, January 30.

STATION 2FC, 10 p.m.: Concert programme from the Aeolian Hall.

2BL, 10 p.m. and 11.25 p.m.: The Gresham Singers, 10.14 p.m. and 11.18 p.m.: Frank Crossley, comedian, 10.38 p.m.: Clive Amadio, saxophonist.

3LO, 10 p.m.: "Neath Italian Skies"—in song and story, 10.30 p.m.: Chamber. 11.15 p.m.: Brass band recital.

Saturday, January 31.

STATION 2FC, 10.7 p.m. and 11.20 p.m.: Clifford Lathlean, basso, 10.26 p.m. and 11.41 p.m.: Constance Burt, soprano, 11.0 p.m. and 11.58 p.m.: Harry Thomas, elocutionist.

2BL, 10.14 p.m. and 11.44 p.m.: Frank Ryan, comedian, 10.21 p.m. and 11.30 p.m.: Lucille Blain, popular vocalist, 10.30 p.m.: Description of boxing contest at the Sydney Stadium.

3LO, 10.8 p.m.: "The Disguise of Penelope," a comedy playlet, 10.30 p.m.: "Operatic Gems," 11.48 p.m.: "The Money Spider," a short drama.

Sunday, February 1.

STATION 3LO, 10.45 p.m.: A recital by Madame Alice Orff-Solscher, 11 p.m.: "The Sundowner's Quartet."

Monday, February 2.

STATION 3LO, 10 p.m.: "Musical Echoes," light classical and popular music, 10.45 p.m.: Chamber music by the A.B.C. String Quartet, 11.0 p.m.: Military band concert.

3AR, 10 p.m.: Nellie Stewart in "Sweet Nell of Old Drury," Paul Kester's historical comedy-drama.

Tuesday, February 3.

STATION 3LO, 10.45 p.m.: Organ recital, 11.15 p.m.: "The Minstrelsy of Scotland," 11.45 p.m.: Light music by "The Two Mexicans."

Wednesday, February 4.

STATION 3LO, 10 p.m.: "Merely Mary Ann," a four-act comedy. 3AR, 10.15 p.m.: Concert by the Royal Victorian Institute for the Blind.

Save Pounds on a Radio Set!

Before paying the full list price for a Set, consider this offer! We have just ten Crosley All-Electric Sets that have been carefully used by experts as demonstration models. They are guaranteed to be free from mechanical or electrical defects and are to all intents and purposes NEW. We are clearing them out at greatly reduced prices. Bargains for wise buyers! Come in and hear them—burr hurry up before they're all gone.

	List Price	Bargain Price
Jewelbox, 704	£48 0 0	to £26 0 0
Jewelbox, 804	£56 0 0	to £32 10 0
Showbox	£45 0 0	to £25 0 0
62 S (d.c.) Console	£65 0 0	to £42 10 0
42A Console	£52 10 0	to £37 10 0
32 Console	£42 10 0	to £32 10 0
Chum, Low Console	£48 0 0	to £26 0 0
31A	£31 10 0	to £26 0 0
41A	£40 0 0	to £22 10 0
Gembx 6-Valve, 230-Volt A.C.	£35 0 0	to £21 0 0

Only 10 Sets: Choose Yours Now!
(Supplied to North Island Residents only)

CROSLEY

Abel Smeeton

Wholesale and Retail Radio Merchants, 27-29 Customs Street East, Auckland.
(Also Bank St., Whangarei.)

Sirs,—Please send me full details of Crosley Model.....at the bargain price of.....
Name
Address R.R.

YOUR BAGGAGE
INSURED against loss or damage from any cause
The premium is moderate the cover is WORLDWIDE
Offices in all principal towns and cities throughout New Zealand
NORTH BRITISH & MERCANTILE INSURANCE CO. LTD.

Listen to 2YA Wednesday Next

Specially recorded American Radio
Programmes by Artists of
International repute



A quiet corner at 2YA

FROM Wednesday next there will be no silent night at 2YA. In the extended hours recorded items selected from American programmes will be broadcast.

Recorded features, or "electrical transcriptions," as they are called in America, are not in plentiful supply for New Zealand, for the simple reason that much of the American broadcast entertainment would not be acceptable here. New Zealand listeners were last week given the opportunity of hearing from 2YA samples of some broadcast features which have a great vogue in America. This programme of specimen recordings was not given with the view to indicating to listeners the type of entertainment which is to be presented on Wednesday evenings, but to enable listeners to form their own opinions of some of the entertainment which is very popular in the States. Some of the recordings were from lengthy serials which are said to create the greatest furore imaginable among listeners all through America. They would not, however, be acceptable in New Zealand.

WEDNESDAY evening programmes will comprise some of the best available recorded items from overseas, and the selection which has been made will without doubt prove available and acceptable to a New Zealand radio audience. As published in the "Radio Record" last week,

there will be five features on the programme, giving a wide range of entertainment.

Apart from the overseas recordings referred to, a session of dance music will be provided by European records, and there will be a lecture by Dr. Guy H. Scholefield, O.B.E., on a subject of international importance. The whole evening will, therefore, be of an international nature.

The programme for next Wednesday evening will be headed by the Ormandy Orchestra, which will, during the evening, contribute thirty minutes of musical numbers covering a wide range of items.

The Ormandy Orchestra is under the conductorship of a brilliant musician, Dr. Eugene Ormandy. The programme, which will be of a very popular nature, will include such numbers as "Mighty Lak' a Rose," "The Red Mill" (Herbert), "Should I" (jazz), Strauss's "Waltz Dream," Brahms' "Hungarian Dance in G Minor," "Don't Leave Me," and "Here Am I" (both from "Sweet Adeline"), "Trombonia" and "Stein Song." Dr. Ormandy will himself play as a violin solo Rimsky-Korsakoff's beautiful "Song of India."

Of Hungarian birth, Dr. Ormandy, at the age of three and a half, started the violin, and, at the age of five, was entered in the Budapest Academy of Music. At the age of seven he gave his first recital as a wonder child with such success that he was besieged with offers to tour Europe. His teacher, the famous Hubay, however, refused to allow him to accept any offers, and he went on with his studies, receiving his State Artist's Diploma at the age of fourteen. At the age of seventeen he had earned his Professorship of Music. Due to his extreme youth, however, he had to get special permission to receive the degree, since it was usually restricted to students over eighteen years.

Dr. Ormandy made his first tour during the war, playing throughout Central Europe. During that time he acted for a short time as concert-master and soloist with the Bluetner Orchestra in Berlin, and, while in that city played Richard Strauss' "Der Burger Als Edelman" in the presence of the composer. Following the Armistice he received an appointment to head the Master School of Music at the State Conservatoire in Budapest, a post he held until his contracts called him for another tour of the Continent.

(Concluded on page 29).



*Hy-wide
and
Handsome*

The New Zealand Radio Record

—AND—

Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX. 1032, WELLINGTON.

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

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

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

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

WELLINGTON, FRIDAY, JANUARY 30, 1931.

EDITORIAL NOTES.

ON Monday evening last 2YA gave listeners the interesting experience of hearing parts of typical American programmes. The reaction of listeners to that experience is interesting. We have not so far heard any enthusiasm for the experience except in relation to the musical numbers. The dialogues, of which there were three, quite definitely failed to interest New Zealand listeners, or to impress them except unfavourably. This experience occasions reflections as to the apparent difference in standard between American and New Zealand audiences. The dialogues rendered are typical of features that have a distinctive vogue in the United States. Their chatty smartness, however, leaves New Zealanders cold. Why is this? Are there fundamental differences in the mental outlook of the people? We have read psychological studies of American citizens which attribute to them a large element of childishness and mental immaturity in their general outlook and culture. Their population is extraordinarily mixed. Huge sections are recognised to be somewhat mentally undeveloped. Some sections, on the other hand, are exceptionally cultured and refined. So that it must be recognised to be difficult to generalise satisfactorily on so unstable a foundation as the quality of an entire people. If, however, the performances to which we were treated on Monday night last are definitely popular in their native haunts, they support the view that large sections of that population are intellectually undeveloped and very easily amused. The enterprise of the Broadcasting Company in giving those samples of programmes may be commended. That enterprise will be rewarded in encouraging recognition of the fact that the programmes hitherto given New Zealanders are definitely more pleasing to our taste than the samples of American talent given.

THE PHILIPS Q.P. RADIO SET.

—Operates from the light socket, with or without an aerial.
Complete with Baby Grand Speaker, **£21/5/-** Cash

PHILIPS SCREEN-GRID RADIO PLAYER

Complete with Baby Grand Speaker, **£39/15/-**

EASY TERMS GIVEN

The "MODERNE" PICKUP is a high-grade article, equal to higher-priced pickups, and is only £5.
Shielded Transformers, 7/6 each.

G. G. MACQUARRIE, LTD.
120 WILLIS STREET.

America certainly has very much from which we can learn. Her best is very good indeed. We want that best, whether it be acclaimed as "popular" or not. Popularity is not in itself any criterion of merit. Time was when the voice of the people was acclaimed as the voice of God. In these days that statement is definitely out of court. Let us have quality regardless of "popularity," at least independent of "popularity" according to the tastes of the American people.

SYMPATHY may legitimately be extended to those "B" class stations who have decided to suspend operations. At times we have felt called upon to oppose phases of the development of the "B" class movement. This was because of the fear, for which there was justification in views occasionally expressed, that demands, sooner or later, would be made by "B" class stations for some share of the revenue provided by listeners for the upkeep of the four YA stations. We opposed that view because the practice, in our opinion, definitely would cripple our broadcasting system. New Zealand is relative, a small country, and is unable as yet to afford the luxury of unnecessary duplication of broadcasting stations. Apart from that viewpoint, however, we do appreciate the fact that some of the "B" class stations, particularly in provincial centres, rendered a service to their areas, and their cessation will be regretted by the listeners, who secured from them an alternative to the more distant YA stations. The proposition advanced by the Performing Right Association to the "B" class stations, in respect of a payment to cover copyright, although apparently reasonable from an outside point of view, presented difficulties which the stations could not overcome; hence their decision to close. It is due to these stations in recording their passing to recognise the part they attempted to play in the cause of broadcasting.

Antarctic Expedition

Children's Radio Picnic.

Direction Finding Wireless

A REPORT by radio has reached Australia from Sir Douglas Mawson's Antarctic Expedition, stating that the wireless operator on Mawson's ship, the Discovery, succeeded in locating a whaling vessel by means of his wireless direction-finding apparatus when the expedition was in need of coal.

The wireless equipment carried by Dr. Mawson's ship was specially fitted with direction-finding apparatus for just such eventualities as this.

There has been a notable movement lately in the direction of fitting vessels on the Australian coast with this type of gear, mainly in order that the commander of a ship at sea may always ascertain his exact position. The direction-finder picks up the precise direction of a wireless signal, so that by taking two or more bearings from different radio stations (or ships) the captain of a vessel can determine his position irrespective of fog, rain, or heavy weather.

Last year it was agreed by the International Safety of Life at Sea Convention which met in London, that direction-finding gear should be made compulsory on passenger ships of over 5000 tons after July 1, 1933.

IN addition to holding open-air band concerts for the entertainment of the public of Christchurch, the Broadcasting Company is now organising a big radio picnic for the children of the city and district.

It was decided on Tuesday afternoon at a meeting of the 3YA Children's Sessions Advisory Committee, to whom the proposal was referred, to hold a radio picnic at Riccarton racecourse on Saturday, February 14. The meeting, over which Mr. D. E. Parton presided, was largely attended and the proposal to hold the picnic was taken up most enthusiastically. Various sub-committees to organise and carry out the programme arrangements on the day were set up.

The real purpose of the outing is to entertain the many young people who have taken part in the programmes broadcast from 3YA during the children's sessions, but all juvenile radio listeners and children generally are invited to attend and take part in the games and sports. Full particulars will be published later.

Use Our Booking Offices in Advance

S-O-S

TRAVEL IN COMFORT BY
CAR

WELLINGTON — PALMERSTON
NEW PLYMOUTH

YOU CAN'T BUY A BETTER VALVE THAN

Mullard
THE MASTER VALVE

Mr. Davies's Retirement

MR. IVAN M. LEVY, president of the Amateur Radio Society of Wellington, writes:—

"With regard to the retirement of Mr. J. Davies from the directorship of 2YA, I seek this opportunity to state that the members of my society have always regarded Mr. Davies with the kindest feelings and appreciation. His unflinching courtesy and tact and his capacity to cope with the difficulties which inevitably beset the path of a broadcast station director stamped him as a man of rare qualities. As a foundation member of the Radio Society and as an office-bearer, I was in frequent touch with Mr. Davies ever since his appointment as station director of 2YA, so that I came to know him for his true worth. As president of the Radio Society I wish Mr. Davies all success and happiness in whatever sphere his endeavours may be directed in the future."

Attractive Orchestral Selections

From 2YA Shortly

LISTENERS in all parts of the Dominion always appreciate the excellent music supplied from 2YA by Mr. M. T. Dixon and his Salon Orchestra.

An attractive feature of several programmes arranged for broadcast in the near future is several orchestral selections, to be presented by this combination. The first, to be broadcast on February 10, is the Suite Enfant Prodigue (Debussy), a delightful and deservedly popular composition. In passing, it may be mentioned that its composer visited this country several years ago as conductor to that very fine orchestra which accompanied the late Pavlova on her world tour.

The suite is typical of the lighter French school and contains some very striking movements and pleasing harmonies.

A further selection, for presentation on February 17, is the "Ballet Russe," by Luigini, who has given us some very effective orchestral suites. Probably the most famous of these is the "Ballet Egyptien." The "Ballet Russe" is equally delightful, if less known, and the music is exceptionally melodious.

The programme arranged for February 15 contains an operatic selection from the ever-popular "Madame Butterfly," by Puccini, the famous opera composer. This is one of his best-known works, and is surpassed in popularity only by "La Boheme."

The arrangement chosen for presentation is that by Tavan, who is well known for his excellent selections and orchestrations of popular operas.

KNOW the time all over the world with a

DX Clock.

Printed on Heavy White Paper.

Posted in Cardboard Tube.

9d. Each.

"B" Class Stations

Many Cease Operating

Copyright Position Again

DURING the past week an announcement was made that a number of "B" class stations in various parts of the country were ceasing to operate on account of the position that has arisen in connection with the Australian Performing Rights Association. The position herein is quite clear, and has been explained at various times in our columns. The Australian Performing Rights Association is a body which claims to hold the copyright of approximately 98 per cent. of all the music available through all mediums. Permission to use that music is available to various organisations in return for various scheduled payments. The "A" class stations are required to pay 6 per cent. of its gross receiving license revenue for its use of copyright items.

When the "B" class stations began operating in New Zealand they had available no revenue with which to meet any demands for copyright fees. For some time they operated without any claim being made upon them. Eventually, however, the Australian Performing Rights Association intimated to them that the position would have to be clarified. They did this more particularly because of the position obtaining in respect of gramophone records. Sales of gramophone records—which also carry a royalty—were, it was claimed, being interfered with by the amount of broadcasting of records being indulged in by the "B" class stations. The buying public would naturally not buy so freely of gramophone records if its appetite was satisfied by ample broadcasting of such records. There would thus seem some justification for the contention that the reduced revenue from the sale of gramophone records should be compensated for in some measure by royalties from "B" class broadcasting stations.

In the course of negotiations between the Australian Performing Rights Association and the "B" class stations, it was, it is understood, intimated that a collective payment of £200 per annum would be accepted on behalf of the New Zealand B class stations, this amount being substantially £10 per station. In the absence of unanimity being reached between the "B" class broadcasters this offer lapsed, hence the decision of the stations concerned to go off the air. On behalf of a Christchurch station, Mr. C. F. Woodhead advances the view that they did not understand that the payment of the £200 would be the whole extent of their liability to the Performing Rights Association. This was advanced, he states, with the stipulation that it was not to be taken as an estimate of the amount the association considered should be paid by "B" class stations, and Mr. Woodhead comments: "If we admitted their claim we do not know what they would ask in the future." There is really no question of "admitting" the claim of the Australian Performing Rights As-

sociation. That has been definitely established at law, and on the face of things the "B" class stations would seem to have been very leniently treated indeed by the organisation throughout, much more leniently than have the "A" class stations in respect of

Carillon Playing

MISS GLADYS WATKINS, who recently returned to New Zealand from Europe, where she has studied and mastered the art of carillon playing, will talk on the subject from 2YA on Friday, January 30. While in London, Miss Watkins had the privilege of playing the Wellington War Memorial Carillon.

which the Australian Performing Rights Association made substantial demands upon the revenue of listeners.

Mr. Harris's Views.

IN view of the closing down of B class broadcasting stations, owing to copyright difficulties, Mr. A. R. Harris, general manager of the Radio Broadcasting Company, was asked by a Christchurch reporter if he had any comment to make on the position, and particularly as to whether he considered the B stations should be called upon to pay copyright fees.

"No, I do not know why the B stations should have to pay copyright fees for broadcasting musical works," replied Mr. Harris. "The Australasian Performing Right Association claims to control 98 per cent. of the world's copyright in so far as Australia and New Zealand are concerned, and in return for the privilege of broadcasting its catalogue the Broadcasting Company pays to the association 6 per cent. of its gross revenue from receiving licenses."

"If the service broadcast by B stations increases the number of listeners then the Broadcasting Company automatically pays the Performing Right Association a percentage of the license fees received from these listeners."

"The payment to the Performing Right Association is made on the gross receipts from receiving licenses regardless of the fact that the broadcast service includes sporting broadcasts, lectures, news and market reports, and entertainment on which copyright is not concerned, and which is the sole and only interest of a great many listeners."

A Useful Tip

A CARPENTER'S brace can be adapted to take a small wireless drill if necessary by winding a fairly stout wire around the drill in the form of a spiral spring, to enlarge its diameter.

Tenth Birthday of Broadcasting

Celebrated in America

THE tenth anniversary of broadcasting in America was celebrated last November by special programmes, luncheons, and complimentary speeches in several of the larger cities.

The chief centre of interest was, naturally, station KDKA (Pittsburgh), the pioneer wireless station of the country. From this station, on November 2, 1920, was transmitted the first scheduled American broadcast. Official records show that KDKA has never been silent a day since then. In a letter to the station owners, President Hoover emphasised the fact that "never before in all history has a new system of communication made such mighty progress in so short a time. . . . It has already begun to modify the character of American life, and fortunately its tremendous influence is all on the side of progress. It seems but a short time since, at the request of the then few broadcasting stations, I called the first national conference on radio in 1922."

"Then we were groping dimly for methods of regulation that by prevention of interference we could enable adequate development of the art. . . . In the views expressed as to the promise of radio in that first conference some perhaps thought that imagination had run riot. We then discussed with pride the 100,000 receiving sets already in use. But much as we imagined at that time, none of us were so hardy as to prophesy that within eight years there would be receiving sets in half the homes in the United States. To-day the high level of service and the wholesome character of programmes should be a proper source of pride to all engaged in it, and is a development in our national life of immeasurable importance."

England's Short-wave Station

Numerous Aerials

ENGLAND'S Postmaster-General, speaking recently at a London dinner, remarked that the short-wave station at Rugby could at a moment's notice broadcast a message so powerfully that it could be picked up practically by every ship in any part of the world.

"If you visit Rugby," he continued, "you will find an aerial system pointing to the United States; a few yards, and there is a section plotted out in which there will be an aerial system pointing to Canada. A few yards in another direction and there is a system pointing to South Africa, and a few more yards away one to India, and again one to Australia."

"In this way, when the system is complete, the world voice of Great Britain will speak from Rugby not only to the Dominions but to all the more important countries of the earth."

Children's Sessions

AT 2YA.

MONDAY, FEBRUARY 2: Cousin Edna Godschalk has arranged such a delightful programme for this evening, with violin duets, vocal duets, choruses and puzzles and riddles for Kipling Lady and Uncle Jeff. The Maori Legend Lady will also be present.

TUESDAY: Uncle Toby and Jumbo will welcome the little pupils of Miss Zena Jupp to the studio to-night. They will present an A. A. Milne evening. These will be Christopher Robin stories.

THURSDAY: Uncle George and Big Brother Jack to-night. They will be assisted by the little pupils of Mrs. Percy Wood.

FRIDAY: Little cousins with June Elvey at their head will present a play called "The Queen of Hearts." Uncle Jim and Story Book Lady will read stories.

SATURDAY: Uncle Jasper and Aunt Molly, with Spot in attendance, will take all the little pupils of Mrs. Halligan for a trip to the bottom of the sea, where they will broadcast a concert.

SUNDAY: The Children's Choir from the Island Bay Baptist Church will sing for the song service conducted by Uncle George.

Making "Talkies" at the Races

THE motion picture camera and recording equipment is now active in and around Wellington on interesting occasions. A motor-car with all the electrical gear necessary for making "talkies" was in evidence at the recent Hutt Park trotting meeting and the Trentham races. The car was parked on the lawn and a microphone attached to a long insulated cable was placed in turn at various vantage points to catch speeches and sound effects while the motion-picture camera was in action. Some people thought the microphone was being employed for a broadcast relay until they noticed the camera operator at work.



**Radio Sets
Speakers
Pick ups**

Factory representatives
Scott & Holladay Ltd.
civic chbrs.-Wellington.

Improvements at 3YA

Station Now Crystal Controlled

To maintain the efficiency of 3YA

at the maximum, a number of alterations and improvements have been recently effected. Since Wednesday, January 14, 3YA has been operating under crystal control, a system similar to that installed at 2YA about two years ago. Stations thus controlled cannot, by any possible chance, deviate from their appointed frequency. Although even at that time recognised as the perfect stabiliser, crystal control was installed at 2YA earlier than at some of the big stations in America where, in view of the congestion, sharp and accurate tuning is of greater importance than it is in New Zealand. Here, the stations with the nearest wave-lengths are 1YA and 3YA, the difference being as great as 80 kilocycles.

The piezo-crystal control exercises a sharper definition in transmission, requiring somewhat finer tuning of receivers. The greater accuracy of the frequency will probably not make much difference to receiving sets within the Christchurch area, but listeners further afield who have difficulty in separating 1YA and 3YA will no doubt appreciate the step.

The piezo-crystal required for crystal control is a small but very costly piece of apparatus. The panel and instrument cabinet housing it and the necessary other equipment, come from the Western Electric Company, the designers and manufacturers, and the whole has been installed and put into operation by the Broadcasting Company's chief engineer, Mr. J. M. Bingham.

In the main studio of 3YA considerable remodelling is taking place with the view to improving the acoustic qualities in accordance with the best accepted practice overseas. To replace the rose-pink chenille hangings, which have hitherto been in use for the purpose of preventing unwanted echoes in the studio, the walls have now been covered with a fibrous felt-like material, made in large sheets like beaver board that is guaranteed to absorb all sound frequencies in equal degrees or, as it may be expressed, will not reflect sound waves.

The arrangements effected are in furtherance of the Broadcasting Company's policy in maintaining its stations in a thoroughly efficient condition and in keeping with all modern requirements.

Lord Baden-Powell

To Broadcast from 1YA

THE visit of Lord and Lady Baden-Powell will provide many interesting broadcasts. They are due to arrive at Auckland on Wednesday, February 18, and it is the intention of the Broadcasting Company to endeavour to relay to all four stations a description of the civic welcome which is to be accorded them that day.

The visit of the Chief Scout will be a matter of great importance to the



LORD BADEN-POWELL.



LADY BADEN-POWELL.

scout and guide movements, and the rallies which are to be held in each of the cities will be displays of the greatest interest. Listeners unable to attend will find them well covered through the microphone.

As a prelude to the visit, Dr. P. C. Fenwick, Dominion Chief Commissioner, will broadcast a talk from 3YA on Friday, February 13, and he and Mrs. Wilson, of the guides, will speak from 1YA on the eve of Lord Baden-Powell's arrival.

Listeners will have the pleasure of hearing the distinguished visitor speaking.

Noted Artist on Tour

THE Broadcasting Company has engaged Miss Cicely Audibert, of Christchurch, for a tour of the YA stations. Miss Audibert achieved great success as a singer on the professional stage and has proved since she has been broadcasting from 3YA that she is a particularly fine radio entertainer.

The schedule prepared for her provides for her appearance at 4YA on



February 27, 28, and March 1; at 2YA on March 5; at 1YA on March 7, 8 and 10, and again at 2YA on March 12 and 13.

Wireless Critics

Of Many Types

CRITICS of the British Broadcasting Company were themselves recently criticised, when Sir John Reith, the company's director, remarked:

"Critics we will always have with us. There are some critics who—and it is a common phenomenon in all lines of activity—themselves unable to do so, are always ready to teach. There are other critics the ferocity and absurdity of whose criticism proclaims an ulterior motive in that criticism, or also incapacity in their judgments."

"But there are still others," he continued. "These people bring to the consideration of the multifarious and vexed problems of broadcasting a sympathetic mind with an appreciation of the likes and dislikes of other people, and as a result come to the B.B.C. with criticism which is reasoned and reasonable and constructive. Such criticism, unlike the rest, is heard, and, more than that, is sought."

KNOW the time all over the world with a

DX Clock.

The Magic of Dickens

DICKENS is emphatically a writer to be broadcast. Had there been wireless in Dickens's day, Dickens's readings from his own works would have been the most popular items in the year's broadcasting. For before anything else, and he was many things, Charles Dickens was a man of the people. That is to say, that in his books with an immense and unflinching gusto he brought to life a huge variety of hearty, whimsical, fantastic, bluff, hypocritical, villainous, cheery or downright human beings.

They were all to be found there, almost every imaginable variety of them: not the few, not the rich or the cultured or the powerful, for with these, unless he was being satirical, Dickens's touch was not so certain, but ordinary people out of ordinary streets; London streets mostly, for Dickens was a Londoner to the finger-tips. Ordinary people they are, for deliciously grotesque as his Sam Wellers and Sairey Gamps and Mr. Micawbers may be, their exaggerated, fantastic air is but the heightened colour with which the touch of genius drives home to the reader the real truth about them.

This heightening is but a heightening of what is really there. You have but to keep a sharp look-out on your own acquaintances even for a day, and the odds are that you will find plenty that might have walked straight out of Dickens's pages. Miss Trotwood, the Wilfers, even Mrs. Bardell—we have met them all.

The method of Dickens is worlds apart from the modern fashion of realism: contrast, for example, this Bardell v. Pickwick trial with the lawsuit in Mr. Galsworthy's "Forsyte Saga." Mr. Galsworthy's more serious picture is so faithful that it might serve as a text-book for students of law. Dickens's comic scene is full of little incidents that could never have occurred just so, even in 1837. And yet we know almost as much about the nature of Law Courts after reading "The Pickwick Papers" as when we have finished "The Forsyte Saga."

By all the highbrow canons Dickens ought to have failed with his portraits, and failed time after time. For personage after personage in his novels is not a full character, not the complex of contradictory traits which we know the inside of a human being to be, but is often enough little more than one characteristic observed, as it were, from outside—Uriah Heep all snuffle and hypocrisy, Mrs. Micawber just her well-known catchword. And in spite of all this he does not fail, but magnificently succeeds. And why? The answer, of



Charles Dickens

course, is that he was a genius.

The trial scene in "Pickwick" is well chosen to illustrate Dickens at his best. There is just a touch—in the handling of Judge Stareleigh and the bullying Sergeant Buzfuz—of that passionate satire on social abuses which is so powerful in "Oliver Twist" or "Hard Times." There are the minor personages, too: Mrs. Cluppins and Susannah Sanders, who are both of them delightfully themselves, and yet, we can tell as soon as they open their lips, might have stepped out of any of a myriad back gardens.

"MY Lord and Jury," said Mrs. Cluppins, with interesting agitation, "I will not deceive you."

"You had better not, ma'am," said the little judge.

"I was there," resumed Mrs. Cluppins, "unknown to Mrs. Bardell; I had been out with a little basket, gentlemen, to buy three pound of red kidney purtaties, which was three pound tuppence ha'penny, when I see Mrs. Bardell's street door on the jar."

There is, of course, the immortal Sam Weller, too, the sprightly Cockney of yesterday and to-day and all time. It is true that the Londoner does not to-day, like Sam, turn his W's into V's—"Put it down a we, my lord, put it down a we," as his aged parent advises the judge in this very scene; but anyone who has had the good fortune to hear an imaginative taxi-driver abusing a busman in a traffic block has heard at least a shadow of Sam's "If they was a pair o' patent double million magnifyin' gas microscopes of hextra power, p'raps I might be able to see through a flight o' stairs and a deal door; but bein' only eyes, you see, my wision's limited."

No one can read the famous trial scene without recognising that, like all Dickens's best things, it is fantastic, exaggerated, and yet true. Consider the entry of Mrs. Bardell and her supporters. Her unattractive offspring, Master Bardell, is brought in after her.

"At sight of her child, Mrs. Bardell started; suddenly recollecting herself, she kissed him in a frantic manner; then relapsing into a state of hysterical imbecility, the good lady requested to be informed where she was."

Everyone is profoundly affected by this touching scene. Mrs. Cluppins and Mrs. Sanders turn away their heads and weep. Sergeant Buzfuz rubs his eyes with a large white handkerchief. Even the Judge is "visibly effected."

Now it is quite out of the judge's character, as given us in the rest of the scene, to be affected at all. He would either have been dozing or else sarcastic. But it heightens the colour of this particular episode to make him visibly affected, and, incongruous though the touch would seem to us if we were keeping a strict eye on the character-painting, we are in fact not doing anything of the sort, for Dickens's fantastic pen has disarmed our critical faculties.

Dickens Commemoration

from 2YA, February 7

Mrs. Nellie Gruttenden and members of the Dickensian Society will present

- (a) "Mdlle. Hortense Visits Mr. Tulkinghorn"
from "Bleak House" (Dickens)
- (b) "In the Thieves' Kitchen"
from "Oliver Twist" (Dickens)

IT is amazing to remember that "Pickwick" (written in 1837) was Dickens's first book. It was famous before its serial publication was half over. It is still loved and quoted all over the inhabited globe. No wonder that a man who could begin so can still outsell the best sellers more than a hundred years after he was born.

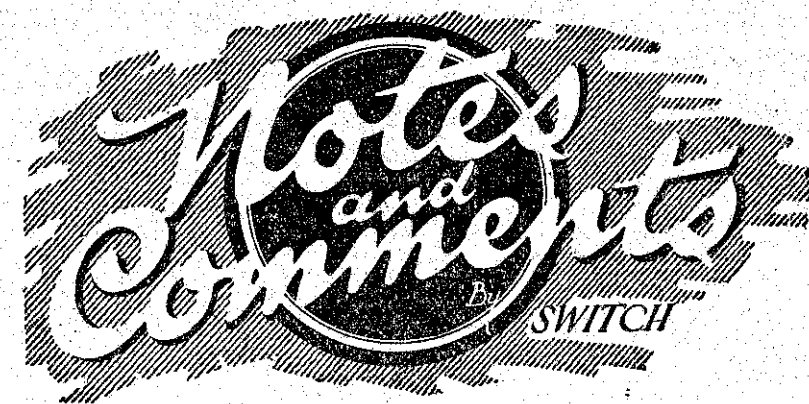
He was a man of the people, and he was so not only because he loved and understood ordinary people and revealed them to us unforgettably, but because his writings delighted not highbrows only, nor lowbrows only, but all sorts and conditions of men.

ON comparing the Australian announcers with our own, it is rather surprising to find that the majority of the former are inferior. The 3LO, Melbourne, announcer has a most annoying fault which "Switch" is pleased to find has at last been noticed by an Australian listener, who writes to the Melbourne "Listener-in": "Would you kindly ask Mr. Maurice Dudley to refrain from announcing the next item until the last one is finished. I have frequently noticed that even before the vibrations of the last note have died away he breaks in. I like a couple of seconds at least for good music to sink in before the effect is shattered by the staccato utterances of the too eager announcer."

"SWITCH" has heard of a Petone listener who experiences a good deal of interference from telephone dialing. His aerial is a long distance from any telephone exchange and no telephone wires run near his home. His "earth" wire is not attached to a water-pipe, as he uses a 9-foot iron pipe driven into the ground as an "earth." This is one of those peculiar cases which crop up from time to time. The origin of the trouble could probably be located by a systematic examination of the locality.

AN Australian writer defines the programme problem very neatly, as follows:—"There are some misguided listeners who expect to be entertained at any moment they choose to listen in, and if they are not, write to the press or the wireless stations lamenting the failure of broadcasting. They overlook the fact that there are wireless receivers in hundreds of thousands of homes in the country and that the tastes of each individual listener will vary in some respect. Programmes cannot possibly be modelled on individual taste. The object before the public service of broadcasting must always be—the greatest happiness of the greatest number, and it is toward this ideal that those engaged in building the programmes strive day after day—often spending hours in consideration of some item that the microphone devours in a few minutes."

THE success of the "Radio Record" spelling bee was so great that it has been decided to hold a similar competition at 1YA for primary school children on the evening of February 13, the adjudicator being Mr. A. B. Chapell. It is hoped later to have one for secondary school pupils and then another for adults. In addition to providing interesting entertainment, these



spelling bees should also serve a most useful purpose in encouraging and helping our children to improve their spelling.

ONE of the chief reasons why Wellingtonians have difficulty in hearing American stations is the tempest of parasitic electrical noises which intrude on long-distance reception. Friday evening "Switch" can obtain music and speech from American broadcast stations, but owing to the background of noises it is rarely possible to identify the call-signs. Those who live in the country areas have thus a big advantage over city listeners.

AS in other parts of the globe, broadcast listening in this country is steadily gaining in popularity, despite the economic depression. Even the summer period has not detrimentally affected the number of licenses recorded in the Dominion. Possibly in this time of financial stringency the public are recognising the fact that radio is the cheapest form of entertainment available.

NOW that the "silent night" of 2YA, Wellington, is to be eliminated from February 4 onward, the usual chorus of howling sets which render Wednesday nights hideous will be missing. On the other hand, a delightful programme will be available from 2YA in the form of special recordings of broadcast programmes just as they are presented in the leading American studios. The records themselves are much larger than the largest gramophone records, and "Switch" understands the items are exceptionally good.

PETONE listeners in general seem to be favoured with excellent recep-

tion of the new station at Newcastle, N.S.W. This station, whose call is 2NC, comes in with great volume in Petone, and as electrical interference around that frequency is not nearly so bad in Petone as in Wellington, transmission is unusually clear.

AN Australian radio caricaturist has sketched contrasts of how guests when they are wanted to talk sit dumb, but as soon as the radio is switched on and everyone is expected to listen they all commence talking. A Wellington listener confided to "Switch" that when he has a number

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:—

2BL, Sydney	10
2FC, Sydney	9½
2NC, Newcastle	8
4QG, Brisbane	7½
3LO, Melbourne	7
2GB, Sydney	6
2UE, Sydney	5½
3UZ, Melbourne	4½
3DE, Melbourne	4
7ZL, Hobart	3
3AR, Melbourne	3
5CL, Adelaide	2½
6WF, Perth	2
2KY, Sydney	1½

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

of guests he gradually sorts the more talkative of them into a room away from that in which he entertains the others with radio.

THE attempt by 2YA, Wellington, to rebroadcast the transmission by 5SW, Chelmsford, England, on Wednesday, January 21, when Ramsay MacDonald spoke on the India Conference, was unfortunately impossible. In a talk with experienced short-wave listeners, "Switch" gathered that the appointed time, 9 a.m., was rarely favourable for satisfactory reception of 5SW. The only other chance, was that an Australian or Eastern short-wave station would rebroadcast Mr. MacDonald's speech, but apparently none of these stations did so.

"SWITCH" has met many listeners who were disappointed with the

Wellington Boxing Association in not permitting a ringside description of the Blay v. Donovan contest to be broadcast. Many of these listeners went up to the Winter Show Building to see the contest, and found the place so crowded that they were unable to obtain admission.

"SWITCH" notices that in last week's "Record" a listener in Otago, "Cromdale," heard the mystery station on about the wave-length of 3AR, Melbourne, previously mentioned by the writer. "Cromdale" heard the stranger at 2.3 a.m. on January 4. "Switch" also heard this station heterodyning with 3AR shortly after midnight. Perhaps some other listener can identify him.

A DISAPPOINTED beginner who resides in Kelburn, Wellington, unburdened his sorrows recently to "Switch." He had lately purchased a high-class set which is a guaranteed distance-getter, but it is sadly silent on the American stations. "Switch" examined the set, aerial and earth in an endeavour to ascertain the cause, but everything was perfect. The truth was then explained that very few localities in Wellington are suitable for reception of the American stations, and if "Switch's" friend transferred his set to some of the up-country homes of DX listeners mentioned weekly in the "Record" he, too, would have a long list of American stations in his log.

REVERTING to the foregoing paragraph, "Switch" cannot too strongly emphasise that locality is the main factor in bringing in American stations, providing, of course, that the receiving set, aerial and earth are in first-class order. Beginners are prone to become dissatisfied when they read the "News and Views of the DX Club" published weekly in the "Record." They read of listeners logging twenty and thirty American stations, and because their own sets will not do likewise, they become obsessed with the notion that their receivers are not what they were represented to be. Although there are exceptional localities in Wellington, on the whole the capital city is a rather unsatisfactory place for hearing American stations.

THE retirement of Mr. J. Davies from the position of station director of 2YA will be regretted by many. Mr. Davies will be long remembered by all who knew him in his official capacity as being always tactful and courteous. He displayed a wide knowledge of unerring judgment in dealing with the intricacies of his position. Mrs. Davies, a lady of culture and attainments, was often at the studios, and made many lasting friends among those who figured in the programmes.

"SWITCH" observes that "B350" refers to the condemnation, published in these columns, of some slipshod methods of installing aerials and earths. Much can be said in favour of his contention that beginners would secure much more satisfactory service from a registered electrical wireman, but there are many radiotronics who are even better equipped with a knowledge of radio requirements than registered electrical wiremen. For instance, the finer points, such as the layout of the aerial masts and position of the earth are not necessarily within the experience of the latter.

"DX" CLOCKS.

No radio enthusiast should be without the "Radio Record" "DX" CLOCK, as it correctly gauges the time as compared with ours in every part of the world.

By using the "DX" CLOCK, the right time to tune in for overseas stations may be obtained, and with use it will be found to be of permanent value to all radio receiver owners.

Send for Your Copy To-day. Price 9d.

"RADIO RECORD," P.O. Box 1032, WELLINGTON.

Performing Rights.

I WAS greatly "put back" by "Switch's" par on "performing rights" last week. My sympathy is with the authors. Those poor authors! No wonder they are always poor, a condition which may be pathetic and interesting to their biographers after their demise, but hardly encouraging to original work, even at the present price of stamps. I am inclined to agree with Wagner, that the world owed him a decent living in return for his work. If the authors are to work solely for the advertisement and be grateful, then they pay very dearly for the ad. Where would the singers be without songs? And new and original songs, as well as the old, tried favourites. The publishing houses expect the authors to finance them in their publications. They take no risk, and frequently the royalties do not cover the original outlay, for a song's life is short, in these days of rush and craze for something new all the time; perhaps the demand will last only a few weeks. Therefore I consider that every avenue of income from a song should be shared by the author, and if the radio and mechanical record performers approached the matter with a spirit of co-operation with the authors, they would reap a harvest of material.

As things are now, an author receives less per mechanical record than any other concerned in the making of it. He is considered a mere minor factor. The U.S.A. standard royalty for author's rights is 2 cents a record, less a 10 per cent. agent's commission. Any retail merchant makes a far better profit from a record than the author who composed the song. My personal experience ends with mechanical recording, and the result is so depressing that I have no hope that radio would offer a better field. As one entirely ignorant of radio's scale of compensation for authors, I would just like to have a little information on the subject. For an illustration, if a New Zealand author-composer had good broadcasting material, what return would he receive from the New Zealand artists for the rights of broadcasting? Replies from genuine radio performers would be interesting and illuminating.—"Harmony."

[The paragraph referred to reads:—"Performing rights charges are now a serious menace to the well-being of broadcasting in New Zealand. The Russian authorities (whatever their sins may be) are carrying out their principles even in radio administration. It has been officially decided that musicians, authors, and artists will receive no additional compensation for broadcasting, nor royalties for the performance of their works. It is argued that if a microphone is placed on the stage, the musician makes no extra effort; and instead of expecting compensation, the composer should be grateful for the advertisement given his works."—Ed.]

Recorded Programmes.

AT the invitation of Mr. Ball from 2YA last evening I desire to express my opinion of the American recorded programme put over on that evening. The orchestral numbers at the beginning and the jazz items at the end were not at all bad, but I sincerely hope that the Broadcasting Co. is not going to give us further items which savour so much of the Yankee drawl heard so often in the "talkies." Our children hear enough unrefined

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.

language from the States now without having more from the New Zealand stations. The announcing heard from the records was fairly good considering it was American, but the in-



HARRY BRUSEY,
a fine tenor, singing from 2YA on
January 5.
—S. P. Andrew, photo.

correct grammar was very noticeable, especially in the boy and girl dance party number, which was, to my mind, so much trash.

I realise that some of the piece will not be placed before us again, and I hope that great thought will be exercised before giving vocal and spoken numbers as to the effect they will have upon our manner of speaking—we require good English and not an American drawl.

The play "Treasure Island" was one of the best I have heard over the air and I congratulate Mr. Montague and his company, and also the Broadcasting Co., upon their presentation.—L. J. Retallick (Wellington).

Balancing the Programme.

I NOTICE that your Mailbag columns have been conspicuously absent lately. I sincerely trust that yourselves and the Broadcasting Company will not conclude that the once-troubled waters of N.Z. broadcasting are now settled. Far from it, and I feel that I can hold back my little complaint no longer. The arrangement of the records in the afternoon programmes are chronically

bad. First we get a sustained programme of the more classical type of record, and then without warning we switch over to an hour or more of fox-trots and jazzes—from the ridiculous to the gorbimee (to spell that well-known term phonetically). Now, sir, we can all take medicine when there is a little of it, and if a lot has to be taken, then we prefer it in instalments. To some of us the classical music is the pill, to others it is the jazz. Why not do as some of the B stations—sandwich one in with the other? Who wants to dance at 4 p.m.? Not many, I guess; but that lighter music comes through well between heavier items. No concert was all vocal, then all instrumental, though there is no doubt a number go to hear one particular type of item. They do not want to go out when it is finished, nor come in half-way through to hear it—they would not be getting value. The same with broadcasting. Let us have the items in the afternoon mixed so that we can enjoy the whole programme, instead of being bored with continued classical items or jarring jazz. In the evenings the proposition is a different one. The dance session is of some use, and those who don't like it can switch off—they have had their concert—or they can go abroad and select a programme. I sincerely trust that the B stations will not have to go off the air, for if there is one part of the day I enjoy it is the mornings, when I can get a delightfully assorted programme from a nearby W. —Mixum (Otaki.)

Bringing Up Sonnie.

THE other night I listened to a programme of canned Yankee twang from 2YA. At the end of the programme the announcer asked listeners for their opinions. Without delay I gave him mine, but have since thought that it would be more intelligible if it were put down on paper. The worst of it is that the editor will probably modify it. (Agreed.—Ed.) The programme was crude; it oughtn't to be allowed. Here am I a mother of several youngsters, and have tried all I know how to bring them up the right way and to make them speak English. What do I get in return? "Oh, yes baby," in the best Yankee drawl, when I ask a question. I can't let that go, and there is a storm. And then they say radio makes the home harmonious and builds family unity. The talkies were bad enough; we could moderate that; but when you get it over the radio—ugh, I give it up in disgust. If we must have these wonderful canned American, or, as they are politely termed, "international" programmes,

then let us have cultured voices. I don't look forward to Wednesday's programme in the least.—English Mother (Masterton.)

"Hard Enough to Sharpen Knives On."

I THINK I realise that where the general public are concerned, to please everyone is impossible. At the same time it is only the expression of opinion that enables a broadcasting company at least, to feel the pulse of its listeners. I will add my little straw to the drift in the hope that it will help to build a haystack. I have listened to some excellent programmes from 2YA, and have also tuned-in to some other station when its items were not to my taste. After listening to the first half of the programme on Monday last, I cannot help expressing the opinion that it is the worst yet, and that's praising it. I wonder how many New Zealanders want to listen to an American accent hard enough to sharpen knives on? Can't that be left to the talkies?—H. B. Clapham (Palmerston North.)

"B" Stations.

WILL you make clear the position re the B class stations? Last night I was listening to that admirable station 2ZF, Palmerston North, and the chairman explained the position, but I



MISS MERCEDES GLEITZE, who early next month, when a favourable opportunity occurs, will attempt to swim Cook Strait. She will be accompanied by a launch carrying transmitting apparatus to broadcast progress reports.

NOTES and NEWS from the NORTH

(By "Call Up.")

could not understand whether £200 was asked for each station, or whether it covered all. Personally, I think the Government should come to the rescue. We pay our 30/- per year for radio programmes in New Zealand, but in Wanganui if we want a good one we have to go to the "B" class stations for it, or if we like to sit up we get Australia. 1, 3, 4YA fade here, and can very seldom be received during daylight. I do not remember receiving a satisfactory programme from 2YA yet. In fact the only thing I like about it is Mr. Announcer pronouncing Maori names and saying good-night, and I could name dozens who think the same. I should like to hear listeners' views, because if the "B" stations shut down it will make a big difference in radio circles. For instance, what "A" station would give us a Sunday morning programme in place of 2ZO.—T.C.A. (Aramoho).

[The position has been clearly stated elsewhere.—Ed.]

Televising Race Meetings

IF the plans of Parisian television experts materialise, race track enthusiasts will be able to sip their drinks in their favourite boulevard cafes and see the horses, on which they have bet, thunder down the home stretch to victory. All the thrills experienced by those attending the races will be theirs, for television screens are planned for the larger bars and cafes throughout Paris.

ON February 21 an interesting relay from 1YA will be the Girl Guide and Boy Scout rally to be held at the Auckland Domain in connection with the visit of Lord and Lady Baden Powell. About seven thousand Guides and Scouts will be taking part, and the relay will include a description of the scene and movements, and also the community singing. The latter is to be led by Mr. Len Barnes, 1YA station director.

STATION 1YA attempted to rebroadcast the speech of Mr. Ramsay MacDonald at the conclusion of the Round Table Conference in London on Wednesday morning, but conditions were bad and the attempt was a failure.

THE Municipal Band concerts from the Town Hall, Auckland, will begin on March 7 and will be relayed by 1YA. Apropos this it is interesting to note that the sole representative from Auckland in the A grade competition at the New Zealand band contest to be held in Wellington next month will be the Auckland Artillery Band, under the conductorship of

Warrant-Officer Wynne Smith. In the B grade the Birkenhead Municipal Band, under Lieutenant J. T. Lighton, will also be Auckland's only competitor. Both these bands were heard over the air from 1YA recently and were much appreciated.

ACCORDING to a Fiji resident who is visiting Auckland, considerable interest is shown in broadcasting in Fiji, although the islands do not possess a broadcast station. However, the New Zealand and Australian programmes are listened to regularly, the license fee being ten shillings a year. It is stated that of all the stations heard in the evenings, 1YA comes through best.

THE 1YA Broadcasting Choir have commenced rehearsals for their forthcoming productions, and are working well together. The other day they went for a picnic to Brown's Bay, and in spite of several handicaps they had a very jolly time. But then they are a very lively crowd, and it is reported that their leader often has to

assume the stern mien of a schoolmaster in order to keep order at rehearsals!

THE other new B class station, 1ZR, had its transmitting room flooded on Wednesday, when phenomenally heavy rain fell in Auckland. The water reached about a foot in depth in the room and some damage was caused to the transmitting plant, with the result that the station had to keep off the air for the day while repairs were carried out.

YET another B class station has come on the air in Auckland, and this is run by a radio firm, too, like most of the others. The new station is 1ZS, operated by McCabe's Radios, and it came on the air for the first time on Monday, January 19, when it gave an early morning, late afternoon, and evening programme. Incidentally it can lay claim to being the "earliest bird" of all N.Z. broadcasting stations, for it comes on as early as 7.30 a.m. The power is 5 watts and the wavelength 211 metres (1420 kc.).

IN a few weeks' time a first-class "minstrel show" programme is to be presented from 1YA. Mr. Barnes, who is organising this show, promises listeners something really good. The entertainment will take up a whole evening's programme. The 1YA choir will be heard in negro songs, and there will be plenty of laughter and gaiety dispersed.

A GOOD SPEAKER

DESERVES

A GOOD AMPLIFIER

TO APPRECIATE THE REAL MEANING OF

TRUE RADIO REPRODUCTION

EMPLOY

PUSH PULL AMPLIFICATION

WITH

FERRANTI

PUSH PULL TRANSFORMERS

N.Z. AGENTS

ARTHUR D. RILEY & CO., Ltd.,
Wellington Auckland

Essential for Best
Results with a
MOVING COIL
SPEAKER

List WB412
Tells You
ALL ABOUT IT

Answers to Correspondents

P. B. (Palmerston North).—The fact that you receive Japanese stations with excellent volume indicates that you should have little difficulty in picking up the Americans. The latter are on the air in general until about 8 p.m., but a few stations transmit almost continuously. The latter you should hear best from about 10 p.m. onwards. Of course, you realise that in general, long-distance reception conditions are in summer much inferior to those obtaining during the winter. The frequencies on which American stations may be heard can be determined best from the D.X. Club's columns.

Identification Wanted

ON January 23 conditions for DX-ing were particularly good in Christchurch, and I derived much enjoyment in searching for Americans on my three-valve commercial receiver. The first one I contacted was on 24, 36.5, just a shade above 4ZM. After listening to a few Wurlitzer organ solos, I heard his call—WTAN, Cleveland. On 28, 38.5, I heard another American on organ solos, but I could not get his call sign. On 23.5, 35, I heard still another, broadcasting organ music at about 1.15 a.m. Amongst the items played was "The Old Folks at Home"—Jaconseck (Christchurch).

ON January 16, just after 3AR, Melbourne closed down, I heard a station commence transmitting on about 610 k.c. (492 metres). The announcements were made very quickly and the music came through at faint volume. Another was heterodyning 2ZM, Gisborne, on January 15. Volume was very poor. On the 16th, I also heard an American on 1220 k.c. (246 metres) playing dance music.—T.J.L.T. (Wellington).

ON January 21, an exceptional evening for reception in my locality, I heard an American station at good speaker strength. Unfortunately he gave no call sign. He was on 2ZO, Palmerston North's frequency.—"Wireless Bug" (Raetihi).

ON January 20 at 11.30 p.m. I located a station on 2YB's frequency. They were broadcasting community singing, and the conductor said: "Now for another old-timer, 'Drink to Me Only with Thine Eyes.'" No announcement was given. After that transmission faded. Could this be KFOX, Calif.?—"Little Willie" (Timaru).

STATION operating on about 610 kilocycles (492 metres) on January 20. At 9.30 p.m. he was coming through very clearly and with quite good volume, and talk was in Japanese, interspersed with the usual Japanese music. I hung on until 10 p.m., when the announcer gave his call as JOKK, which was very distinct. It was not JOJK as I tuned in later to this station on 710 kilocycles (422 metres). I have searched the "Guide" for a Jap. call sign of JOKK, also "Record," and can find no such call listed. Has anyone heard this station before? If so, what did they make of his call sign, and does any-

one know if there is a new Jap. station on or about this frequency?—"Cockney" (Inglewood).

AMERICAN station on 224 metres (1840 kcls.), at 1.35 a.m., on January 17. The announcer said: "We will open the programme this morning with 'Day by Day.'" Two male voices and one female then sang the number. Then: "We now present to you the Rev. —." A parson then gave a short sermon. 2 a.m.—"My Blue Heaven" was played. Another foreign station on 390 metres (770 kilos.—JOHK's frequency), at 2.5 a.m. on the 17th. A march was heard first, followed by announcements in a foreign language (sounded like Chinese). Then he announced in very slow and perfect English: "This is a phonograph record." It was followed by a baritone solo—"Jaka" (Wellington).

FRIDAY, 9-1-31, at 10.7 p.m., on 226 metres (1820 k.c., approx.). I was just in time to hear the following: "—ZO, testing. Signing off now, until—" At a friend's place on the following night, at 10.43 p.m., I was tell-

ing him about this station, and I turned his dial to show him about the position I received it, when I was unfortunate enough to again catch him closing down with, "—ZO closing down now until 7 p.m. on Monday, when we present our children's session." Who can this fellow be? I have closely scanned the DX notes in the last two issues to see if any mention was made of him. I receive him on 5, 4ZO on 13½, and 2ZO on 17.—"Amazon" (Palmerston North).

Stations Identified

"NEW CHUM" (Napier): KFKB can be heard from about 11 p.m. any night when conditions are favourable, and from about 11.30 p.m. onward WOAI, KMOX, WTAM, and KWKH and a few others, which I am still trying to identify.—"Jaka."

"JACONSECK" (Christchurch): Your "Hullo, Hullo," station is 1ZQ, owned and operated by Roy Keith, H. L. White's Buildings, Karangahape

Road, Auckland, 252 m. (1190 k.c.). There is another B class station on the air, 1ZS, owned and operated by McCabe's Radio, Upper Queen Street, Auckland, 211 m. (1420 k.c.), power 5 watts. He broadcasts 7.30 a.m. to 9.30 a.m. each morning.—"Shunter" (Mercer).

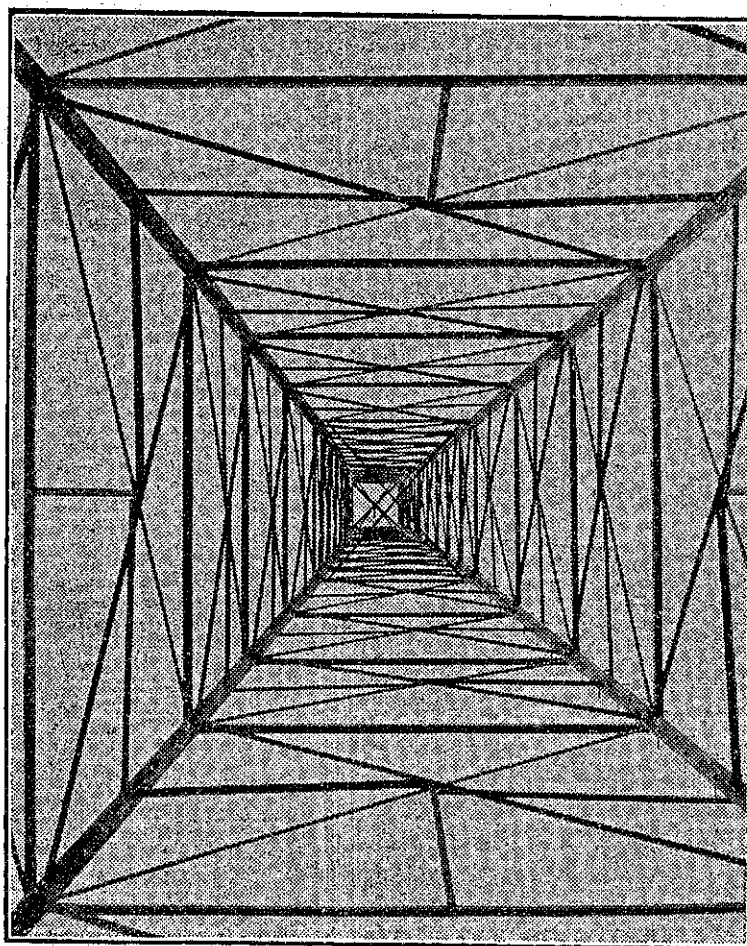
"WIRELESS BUG" (Raetihi). Probably either KPO, San Francisco, or KFOX, Long Beach. I have heard both relaying from the Silver Slipper Cafe. Station heard by W.S.K. (Nelson) is WWJ, Detroit, Michigan. The other is not KWFB, but KWSC.—"Kauspanka" (Hastings).

I PROBABLY heard the station mentioned by W.H.R. (Dunedin). He was on 1440 k.c. (208 metres), and was speaking on Scripture, at the time. Strength was quite good, but thinking he would probably turn out to be 2HD, Newcastle, I did not waste any more time with him.—B.W. (Stratford).

W.S.K. (Nelson): Probably WWJ, Detroit, Mich. "Wireless Bug" (Raetihi): Probably station KFO (not KFI), Los Angeles, Cal., broadcasting on 640 k.c. (468 metres).—W.H.R. (Dunedin).

B.W. (Stratford): I cannot find the Canberra station on 285 metres (1050 k.c.), but on tuning to 480 metres (625 k.c.) I logged a new station which may be it.—R.J.R. (P.N.).

THE station operating on 3AR's frequency, 620 kc. (483m.) which "Cromdale" (Otago) thinks is KGW, Portland, Oregon, is without a doubt KZRM, Manila. I heard KGW very often on the same frequency up till 8 p.m., as I did on January 21. At 1.30 a.m., however, I tuned in to the station mentioned and held him till 2.15 a.m., when his call, which was quite clear, was given as KZRM. I heard nothing of KGW. S. Ellis (Otago): Quite correct. On referring to the latest American list again I find KTM's daytime power is 1000 watts, but at night 500 watts. "Ray Dio" (Shannon): I heard 3WR on the 22nd after 2MC had closed down. He operates exactly on 3TR, Trafalgar's frequency. I also heard KWKH on 850 k.c. (353 metres) on an early morning programme after 2BL and JOFK had closed down. B.W. (Stratford): Thanks for correction re 2MV, Mossvale. I had a verification recently, although I addressed my letter to 2MD. I heard our stranger on 610 k.c. (492 metres) on the morning of the 22nd, but I could get no call. I cannot agree with another DX'er who claims that this station announces JOAK, as it is a positive fact that the latter's frequency is 880 k.c. (341 metres). I have logged ten Japs., and I think I am correct in saying there are none above 50L or 750 k.c. (400 metres). "New Chum" (Napier): You will be astonished to find just what times you can receive American stations. There are about 700, so you can get busy immediately. KFOX, California, is on 22½ hours out of 24. The majority close at midnight to 1 a.m. and are on the air at 6 or 7 a.m. (their time). I heard KFKB open recently at 11.50 p.m., New Zealand time. The announcer wished everybody good-morning and remarked that the studio time was 6.5 a.m., so I think you can take it for granted that there is no leg-pulling going on. Good luck, and keep going.—W.S.K. (Nelson). Station on 1200 kc. (250 metres heard on January 18 is KGDY,



No, not an intricate spider-web, but an unusual photograph of one of 2YA's towering masts, taken within the base looking upward.

—Photo, "Dominion."

Oldham, South Dakota. Until recently power was only 15 watts, but they recently increased to 100, hence their test programme. The other station would probably be KTEX, Portland, Oregon.—W.H.R. (Dunedin). Station on 1440 kc. (208 metres) is 2HD, Newcastle. They often broadcast a short Scripture talk.—J.P.C. (P.N.).

D.X. Topics

1ZF, Auckland.

ON January 19 I picked up a New Zealand "B" station in Auckland with call 1ZF. The announcer stated that they were working on a wavelength of 211 metres (1420 k.c.) with an output power of 5 watts, but I made the wavelength as 214 metres (1400 k.c.). All I heard of his address was "Upper Queen Street, Auckland." Perhaps some listener was more fortunate. I held him from 8.35 p.m. till 10.30 p.m., when he signed off. Before closing, mention was made of times of transmission, which sounded like "6.30 to 10.30, Monday and Wednesday." The station came in at fair speaker strength, slightly distorted, fading bad. On the same date I also logged the Wangaratta station 3WR, on 238 metres (1260 k.c.), broadcasting organ music. On January 20 I heard KSCJ, Sioux City, Iowa, at 6.37 p.m. on 229 metres on a special test programme.—R.J.R. (P.N.).

A New Tasmanian.

THE following letter was recently received from Mr. G. Robertson, New Zealand manager Amalgamated Wireless (A'sia), Ltd.:—"7LA, Launceston, are now on the air and have already been heard by several New Zealand listeners. They would appreciate further reports from New Zealand listeners. These should be addressed to 7LA, Findlay's Buildings, Brisbane Street, Launceston. Their wavelength is 273 metres (1100 k.c.). At the moment they are only on about a quarter of their normal power, but toward the end of this month they trust to be on full power."

New Loggings.

THE latest additions to my log are: 2ZU, Dannevirke, 272 metres (1100 k.c.); WHBI, Chicago, 1080 k.c. (277.6 metres); and 3KZ, Melbourne, 222 metres (1350 k.c.), all logged on 21st inst. At 11.57 p.m. a station one point below 2NC, with the call "3W—," announced "the final number for this evening," but 2NC "swamped" anything further.—Guy C. Holmes (Masterton).

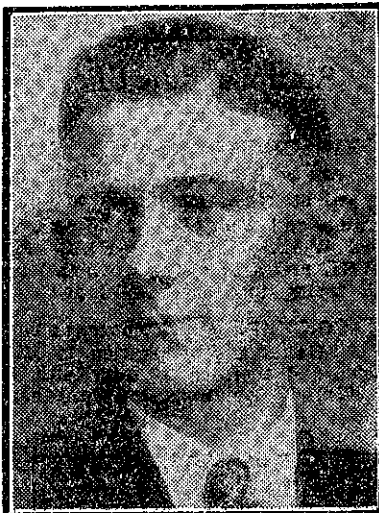
Verification News.

ENCLOSED with a recent verification from station KOIN, Portland,

Oregon, were pictures of the station, showing the transmitter, generating-room, main studio, Golden Organ studio and entrance. I have also received verification from KFOX. They sent me many advertisements and pictures of their artists and studios. They are running for 22 hours of the day and only sign off from 3 to 5 a.m. To-day I received a verification from JOFK, Hiroshima, Japan. It is only a post-card and has two pictures on it, one of the transmitter and one of the generating-room.—"Little Willie" (Timaru).

New Loggings.

AMERICAN stations were coming in well on January 1. Among them were WGY, WHO, WTIC and CNRV. On December 30 I heard WSUI, Iowa City, Iowa (880 k.c.), testing out a new 500-watt transmitter. Signal



ERIC BELL.

an accomplished 1YA pianist.

—S. P. Andrew Photo.

strength was as good as from a 5 k.w. station. Other new ones are KOY, Phoenix, Arizona, 1390 k.c. This station is on until 8.30 p.m. every Sunday, summer time. KFXF, Denver, Colorado, 920 k.c., and KTAT, Fort Worth, Texas, 1240 k.c., have recently been logged. In a letter from KFYO, a 100-watt station in Abilene, Texas, on 1420 k.c., the owner said the station would be on till 10 p.m., our time, on February 19, to celebrate their fourth anniversary. KGRB, Butte, Montana, in on late every Saturday night, so should be heard here after KGER signs off on Sunday evening, our time. This is on 1360 k.c.—"Kauspanka" (Hastings).

News from KWK.

I RECEIVED a rather interesting letter, dated December 12, 1930, from Mr. Thos. P. Convey, president of the station KWK, St. Louis. This was in verification of my reception of his station's programme which I received on the night of October 22, 1930. Mr. Convey stated that my report was received among 20 other reports from New Zealand. He said it was quite remarkable that KWK was being heard so well here, as all the reports were very favourable and commented on the clear reception. KWK's power is 1000 watts, 1350 kilocycles (222 metres). Their broadcasting schedule is as follows:

Week-days: 6.45 a.m. to 1.30 a.m.

Saturdays: 6.45 a.m. to 2.00 a.m.

Sundays: 7.00 a.m. to 11.00 p.m.

The above being U.S.A. Central Standard time.

I also received verification from KGO, Oakland, California, 790 kilocycles, 379.5 metres. This station is on the air on week-days from 7.30 a.m. to 12 midnight, and on Sunday from 11 a.m. to 9.30 p.m. Their power is 7.5 kilowatts.—"Cockney" (Inglewood).

2NC, "A" or "B"?

ON 5th inst. I logged 3GL, Geelong, on 214 metres, R.6. On the following night I logged 2AY, Albany, on 227 metres, R.4; fading and static. Recent verifications include VK2NO and 2AY. If 2NC is classed as an "A" station, as stated by J.P.C. (P.N.), why the prefix, "VK"? I would also point out to J.P.C. (P.N.) that the station is owned and operated by the Postmaster-General's Department, Sydney, and not by the A.B.C. This information is obtained from a verification dated 15th inst. The power is 6 k.w. input to the final stage, corresponding to 2KW unmodulated carrier power in the aerial.—"Amazon" (Palmerston North).

A New Japanese?

ON November 19 and 21 I picked up a new Japanese station on 610 kc. (492 m.) at good strength. His call is undoubtedly JOAK, but how this is to be explained remains to be seen. Re the relay of this station picked up by E. J. Haynes (Christchurch) on 710 kc. (422 metres), would this be COMK, China, on 705 kc. (425 metres)? About two months ago I logged a Jap. on 980 kc. (306 m.), 3YA's frequency, but have had no trace of him again until I picked him up on January 21. I have never seen him mentioned. The latest additions to my list are: WOAI (San Antonio), KFVD (Culver City), KGU (Honolulu), 3WR (Wangaratta), and 7LA (Launceston).—B.W. (Stratford.)

"Following 1930."

I HEARD 2ZO (P.N.) on January 16, at 11.30 p.m. I was much interested in Mr. Ivan M. Levy's article, "For Three Thousand Miles I Followed 1930." I also did the trip and heard 24 stations. Mr. Levy concluded his

tour at 2.38 a.m. on 6WF, Perth. I left this station a few minutes prior, and at 2.40 a.m. was listening to KTM broadcasting Spanish items. This concluded a splendid evening for reception. My aerial is 132 feet overall, and I am using a triple earth. My set is a four-valve, long-wave, all-electric.—Earl J. Haynes (Aranui).

American Reception.

I HEARD WLW, Mason, Ohio, on 700 kc. (428 metres), broadcasting on January 16, at 11.50 p.m. At midnight physical drill instruction to music was broadcast. With the exception of slight fading, reception was perfect. I am puzzled over a foreign station transmitting on 810 kc. (370 metres). It sounds like Japan.—W.H.R. (Dunedin.)

An Excellent Reception Night.

DID any other DX-ers find the evening of January 21 an exceptional night for results over the air? In my case it was so. On the overseas stations there was hardly a trace of the "static fiend"—so much so that it was 2.15 a.m. Thursday before the blankets claimed me. Station WLW, Cincinnati, Ohio, came in on my A.C. set at about 3 degrees above 2YA's frequency (715 k.c.). He was held for about 1½ hours (11.40 p.m. to 12.45 a.m.). Reception was at R7-S. The programme consisted of jazz and other instrumental numbers. During the evening tuition in dancing was in progress, the instructor telling his pupils to "Keep head up! 1-2-3-4; heels together, hands on hips; 1-2-3-4. Out, in! Out, in!" accompanied by a very lively rhythm. Also a song was rendered, "Give My Love to Nellie, Jack." The popular American expression "OK, Boy," was oft repeated, and in connection with the dance tuition he told his pupils to "Make the exercise real tough!"

On the same evening station WOAI, San Antonio, Texas, came in at good strength (R7-S), on about half a point above 3ZC Christchurch's frequency. His call was announced clearly and unsparingly—a good feature to be copied by other stations. Their programme was of the usual jazz, interspersed with news items and advertising. The announcer also mentioned a "dynamite explosion which occurred at Havana, the outcome of workers' disagreements with the Government." A song item included "If I Could be With You" and selections by "The Troubadours."—"Radio Bug" (Raetihl).

DX Competition

WHILE going to press the verifications of stations received by the winner of the D.X. Club's competition arrived at our office. Next week we hope to make a full announcement.

PORTABLE RADIO SETS

for

Holidays and Camping

5-Valve Sets, complete £16/12/6

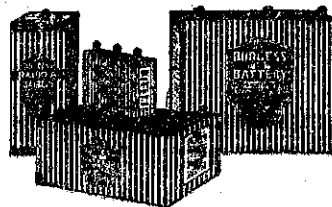
Transportable Models £21/5/-

Unspillable Accumulators, B Batteries, etc.

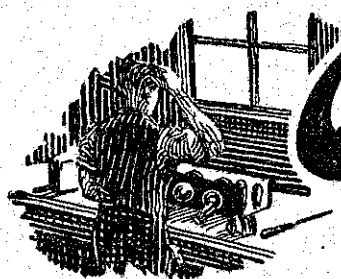
A. E. STRANGE

Telephone 36-774

404 WORCESTER ST., CHRISTCHURCH.



**BURGESS
RADIO
BATTERIES**



Questions and Answers



G. G. (Chch.): My commercial set will receive Australian stations from 250 to 350 metres much stronger and clearer than those on the higher wavelengths.

A.: There is nothing wrong—the design of the set is responsible.

2: What size variable condenser is required for the wavetrap described in the issue of January 9, by A.A.H.?—.0005 mfd.

"RADIO" (Onehunga): My set will not work with a grid bias battery, and reception is very rough without one.

A.: Are you sure you placed it correctly? It should be connected between the appropriate terminal on the transformer (GB—) and A—. The valve you are using in the last stage will require approximately 4½ volts grid bias.

"NOT SURE" (Hunterville): I am using an eliminator supplying my last valve, a PM254, with 150 volts. What bias voltage is necessary?—22.5 volts.

2. Can I draw this from my eliminator?

A.: No, not without seriously reducing the "B" voltage.

3. How is this voltage drawn?

A.: From a grid-bias battery, which is not expensive and which will last you a year or more.

"CURIOUS" (Cambridge): I have a five-valve commercial a.c. neodyne. My results, using an efficient aerial and earth, are not very good. Would it be possible without much alteration to incorporate a screen-grid valve?

A.: No, it would be impracticable.

2. Could you suggest any method of increasing its sensitivity?

A.: No. Perhaps it is not working efficiently. Communicate with your dealer.

"LIGHT" (Christchurch): I rewound the primary of my L.W. transformer as you directed. It was not burnt out, but when I tapped the last stallion strip in, it cut through the thin fibre and severed several turns of wire. I had it tested by direct voltage. It delivers 450 volts and the following: Rectifier filament, 5.8 volts; four other filaments, 2.9 volts. Is this too high?

A.: No, it will be quite all right when the load is on.

2. Is it absolutely necessary to use an output transformer with a Blue Spot speaker?

A.: You would certainly be taking a risk in omitting it.

F. C. (Auckland) desires to know certain coil specifications.

A.: See the tables which are published this week.

F. J. P. (Blenheim): Where could I obtain a full lay-out, and wiring plans for a two-valve differential set similar to the one valued published recently?

A.: This week complete specifications and a full description, with photographs, are published.

2. What would it cost?

A.: Approximately £7, including valves and batteries.

"AMATEUR" (Nelson): I have a five-valve commercial battery set, but it will bring in only 2YA on the loud-speaker. My batteries are comparatively new, but my valves are of fair age.

A.: Replace the latter, as the fault in all probability lies here.

2. What would be the correct valve combination?

A.: Four 221 or 201A valves and a 112A type power valve.

L. G. (Taupiri): In the "Radio Trouble Finder" there is a circuit of a five-valve a.c. receiver. Would this be suitable for short-wave reception?—Yes.

2. Could you give me the particulars of the components?

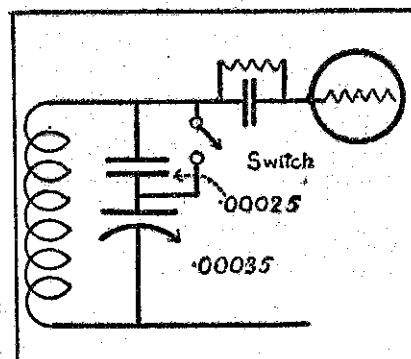
A.: No, it would take too much time to work them out accurately, but a better set will appear in the 1931 "Guide."

D. F. (Pukekohe): I am constructing a Daniell cell charger for a four-volt accumulator, and would like to know how much of the sulphuric acid solution must be placed in each pot before the distilled water is poured in.

A.: Mix both beforehand, taking care to add the acid to the water, and not the reverse. Pour enough in each pot to cover the zinc.

Shortwaves With Broadcast Condenser

THE arrangement shown in the accompanying diagram permits the use of .00035 standard condenser, and by shorting switch permits doubling range of coil wave-length. For instance, switch open. Coil range, 150-350 metres. Switch closed, 190-550 metres, same coil.



"RADIO" (New Plymouth): I have built the 1930 "Guide" short-wave receiver, but have not had much success with it. I have rebuilt it three times in the hope of locating the fault, but without success. Some nights I can get two or three 'phone stations and a few Morse, but they are all very weak. Can you suggest anything that may be causing the trouble?

A.: No, your particulars are rather vague as regards fault symptoms. We would suggest that you take the set to an expert for overhaul.

2. Do you know of a better circuit?—No.

3. Should this receiver put up a better performance than this?—Yes, much.

4. Will there be a new s.w. receiver described in the 1931 "Guide"?

A.: Yes; a four-valve a.c. receiver, using screen-grid radio frequency detector.

"X. Y. Z." (Lower Hutt): Would like some short-wave coil specifications.

A.: See the tables published in this week's issue.

2. I cannot get my set to oscillate. I am using a 7 megohm grid-leak.

A.: Try a smaller value—say a 4 megohm, and if your coils do not agree with the published specifications, rewind them.

E. F. B. (South Dunedin): I am building the B.D. Four from the "Guide" and would like you to answer the following questions:—

1. Would an A225 be suitable as an r.f. valve?—Neutralisation may be difficult.

2. What is the purpose of the 2 "C—" terminals?

A.: The two audio valves each take different grid-bias.

3. What "C" voltage would be required, using a 90 volts B battery?

A.: The first stage requires 3, but we cannot tell you what the last valve will require unless we know what type it is.

4. I have a transformer on which the terminals are not indicated. How can I ascertain which is which?

A.: Use a pair of 'phones in series with a dry cell, and you can pick out the two pairs. The pair giving the strongest click is the primary. It does not matter much which is B+ and which P.

5. Is there any practical method of determining which of two transformers has the higher ratio?

A.: You could place each in turn in the audio stage of a two-valve set and determine which gave the greater volume. This, of course, would be the higher ratio.

6. What is the most suitable wire to use in wiring up the B.D. Four?—Glazite.

7. Would formers with walls 1.8in. thick be suitable for the coils?—Yes.

"GAINING EXPERIENCE" (Queens-town): My set has lately developed a howl and will only cease when the reaction condenser is turned into oscillation point. I had to reduce the plate voltage on the screen-grid valve to prevent it, but this also reduces the efficiency. What is the cause of the howling?

A.: It is probably due to feed back from the s.g. valve. This and its associated coils should be shielded. Slip a shield can, preferably an aluminium one, over the coil, and if this does not prevent the trouble, try a cocoa tin over the valve as well.

"BROWING" (Pleasant Point): When will you describe the two-stage B.D.?

A.: It will appear in our issue dated February 20, 1931. The set has now

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

Name of set

Number of 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 in-

adequate. Intricate and involved

specifications cannot be supplied

without a specialist's fee.

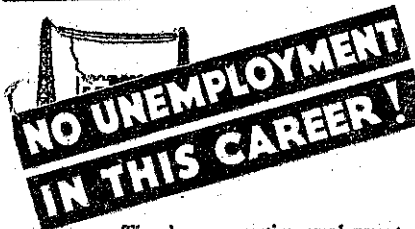
A. J. PARK & SON

Patent Attorneys

Routh's Buildings,

Featherston Street,

WELLINGTON



There's remunerative employment waiting for qualified wireless men on shore and ship. Johnson's Wireless School takes you up to 1st or 2nd Certificate Examination Standard by easy progressive stages. Write for particulars.

Day and night classes for Proficiency Certificates. Correspondence classes for Proficiency Certificates. Correspondence classes for Amateurs and others.

JOHNSON'S WIRELESS SCHOOL

St. George's Buildings,
8-10 Brandon Street,
Wellington.



been constructed, and is doing great work on the distant stations.

2. Would a Bluespot cone speaker work well on the set?—Yes.

3. Will it be battery or electric?—Battery.

4. Would a Daniell cell charger work satisfactorily with a six-volt accumulator with this set?—Yes.

"LOWLOSS" (Wellington): Is a frame aerial suitable to pick up 2YA on a crystal set? I had success once, but have not been able to get good results again.

A.: A frame aerial is not at all suitable for a crystal set, although you have made the adaptations to your crystal set that such an aerial requires. There is not enough signal pick-up from an aerial.

2. Is reception improved if the aerial is running, (a) at right-angles to the station, (b) toward the station?

A.: It should run toward the station with the lead-in of the point most distant from the station.

3. What is the optimum capacity for a condenser for 60 turns of wire?

A.: On a 2½ in. former, a .0005.

JAKA (Hataitai): In the Differential Two would 6 volt valves be more efficient than four volt?

A.: There will be very little difference, certainly not worth the extra running expense of the six volters.

2. Is a rheostat necessary if four or six volts are used, with a battery of the same voltage?

A.: No, but the rheostat makes a good volume control.

3. I extended the valve base with cardboard and covered it with a photograph negative which makes the circum-

ference half an inch greater than specified. I put on a few turns to counteract this. Would your specifications be satisfactory for the 60 to 100 metres coil?

A.: Yes, the slight difference you have made in the size of the coil will not have any material effect upon the tuning range of the coils.

4. Would it be worth while to construct an h.f. choke and if so what would be the details?

A.: A short-wave choke would be better than a long-wave one if you are intending to use shortwave only. A description appears on another page.

5. Is a "C" battery necessary for short-wave?

A.: It would be better as it would save the battery consumption and give you better tone.

THREE-COIL TUNER (Christchurch): I have made the circuit round the three-coil tuner and I enclose a diagram of it. It is not altogether satisfactory. Can I use three 201A valves?

A.: Three-coil tuner sets of the type indicated are more or less out of date. We are incorporating the very latest ideas in small sets in our Differential series, and would advise you to convert your set to this. However, 201A's would be quite suitable except in the last stage, though we advise the use of a high gain power valve.

2. I have wound the following turns on 3 in. coils:—Primary, 36; secondary, 90; tickler, 12. Are these correct?

A.: There are not sufficient tickler turns. Try doubling the number.

3. 3YA comes in all over the dial. Why is this?

A.: With a set such as this used without wavetrap, the local station will certainly come in all over the dial.

4. What value grid-leak would be suitable?—2 megohms.

5. Would a .001 by-pass condenser across the transformer make any difference to the circuit?

A.: It would probably cause it to oscillate more smoothly.

6. I get a crackling noise and then a rushing. Why this?

A.: It sounds like a defective grid-leak, or grid condenser. Try reducing the detector voltage and increasing the number of turns on the tickler as suggested.

7. Would a Ferranti 3-1 and Emmco 5-1 do for this circuit?

A.: Yes, they would be quite good.

NORTH ENDER (Dunedin). Is the Mullard screen-grid valve quite as good as the 224?

A.: No, they are about equal in efficiency.

2. Is the 625 a better power valve for heavy work than the 605?

A.: The 605 is a high gain power valve, and if you want to drive a large speaker and have 200 volts available, 625 would be the better valve.

3. How many turns would I put on the primary of an inter-valve transformer to match the 224 and S4V?

A.: On a 1 in. former you will require 40 turns.

4. Would a rheostat in the filament of A609 in the r.f. side be any use as a volume control?—Yes.

5. Would a decoupling resistance be needed in the plate circuit of the s.g. valve?—Probably not.

6. Where does the neutralising tap come on an 80 turn 2½ in. diameter former?—At the twenty-fifth turn.

S.W. (Hawera): I am experiencing a great deal of noise with my set and I cannot turn up the "A" battery unless there is a strong audio howl.

A.: We could have sorted your circuit out better had you sent us a theoretical diagram. Glancing over the one you have sent in we notice that you are using a 10-1 inter-valve transformer. This is far too high. Use at the most a 5-1, though a 3-1 would be better. This is probably the cause of all your trouble.

FOUR-450 (Rotorua): I have been troubled with decreased volume and have had two sets of valves blown out.

A.: It is not easy to say what is the matter with your set, and it probably would be a wise thing to have it properly overhauled. We suspect either a broken-down condenser or a "B" wire touching an "A" wire. Look over your set for any points where the insulation has been worn off, and then use one of your old valve bases, attaching the wires that come up from the filament prongs to a torch bulb rated at 6 volts. Put this in one of your sockets, then jerk the set about, fiddle with the wires, and do anything likely to repeat the circumstances under which the other valves burnt out. Repeat this with the torch cell in different sockets. If the torch bulb is blown and you cannot locate the trouble send your set to a reliable radio technician.

MY set works sometimes and then it refuses to make a sound. I have renewed the rectifier in the eliminator and notice that the voltmeter on the panel will first show 65 and then after about five minutes drops to 20, and later will fall right off to nothing.

A.: Have you tried another eliminator? It seems that there might be a broken-down condenser in the power pack, otherwise it would be a case of very carefully testing out the wiring and all the components to see that there is nothing broken down.

S.O.S. (Auckland): I cannot get my commercial three-valve set to work well. Do the parts in a valve set deteriorate after twelve months?

A.: The grid leak deteriorates and condensers may burn out. Valves lose their emission and batteries need renewing. Other than that there is very little that can deteriorate in a set.

2. Do you think my set wants overhauling?—Yes.

3. Would you advise me to discard it and replace it with a new electric set?

A.: No; we think your set can be fixed up by a reliable expert.

4. Would a three-valve set get the New Zealand stations and the Australian, at the same time cutting out 1YA?

A.: It will probably get the New Zealand and Australian stations, but it is doubtful if it would eliminate the local.

SHUNTER (Mercer): When will you publish the new B.D. circuit?—February 20.

2. When can the "Radio Guide and Call Book" be expected?

A.: Early in April.

3. Will you give me the specifications of a high frequency choke?

A.: They are given on another page.

4. Would the former described in the "Guide and Call Book" be suitable?—Yes.

5. I have an eliminator. How can I step-up the output to twice the capacity?

A.: You cannot without redesigning the transformer.

N.Z.'S OWN RADIO BOOKSHOP

The **TE ARO BOOK DEPOT**, Wellington.

(Read this advt. weekly as new stocks arrive every overseas mail which prevents us issuing a stationary catalogue.)

We have the largest stocks of radio literature south of the line. We cater for engineers, wireless colleges, amateurs, broadcasters and beginners. Your money returned if books sent are unsuitable and sent back promptly in good condition.

LOOK AT THIS LIST:—

"Practical Testing Systems," by Rider, 6/3.
"Worked Examples of Electrical Technology," by Peasgood and Ghyland, 18/-.
"Radio Physics Course," by Ghyland, 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.
"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 Westrel, 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").

Write us Now

TE ARO BOOK DEPOT

61 Courtenay Place, Wellington.

RADIO DIRECTORY

What to Buy and Where

CITIES

ACE and HAMMARLUND SETS,	Johns, Ltd.
WESTINGHOUSE Rectifiers	Chancery Street, Auckland.
BROWNING DRAKE SPECIALISTS	F. J. W. Fear & Co.
	63 Willis Street, Wellington.
BURGESS RADIO BATTERIES,	All Radio Dealers.
KING RADIO RECEIVERS	F. J. W. Fear & Co.,
	63 Willis Street, Wellington
LOFTIN-WHITE AMPLIFIERS	Stewart Hardware Ltd.,
	Courtenay Place, Wellington.
MAJESTIC RADIO RECEIVERS	Kirkcaldie & Stains,
	Wellington Agents, Lambton Quay.
MULLARD VALVES	All Radio Dealers.
PILOT 1930 PARTS—PILOT SUPER WASP KITS, GILFILLAN, KELLOGG and AT-WATER KENT SETS	Harrington's, N.Z., Ltd.,
	138-140 Queen St., Auckland. 40-42 Willis St., Wellington.
RADIOLA RECEIVERS and Expert Radiola Service.	Farmers' Trading Co., Ltd.
	Hobson Street, Auckland.
STEINITE RADIO	G. G. Macquarrie, Ltd.,
	120 Willis St., Wellington.

COUNTRY TOWNS

MAJESTIC	Radio House, Hamilton.
	G. S. Anchor, Manager.
PHILIPS VALVES AND APPARATUS	All Good Radio Dealers.

DYNAMIC (Waitomo): What do you recommend as a good system to build up my set so that I could add another stage later?

A.: See the differential series now running.

2. Should a three-valve all-wave set be capable of all stations on the loudspeaker and shortwave?

A.: Certainly not; you will be lucky to get more than the main New Zealand stations on the speaker.

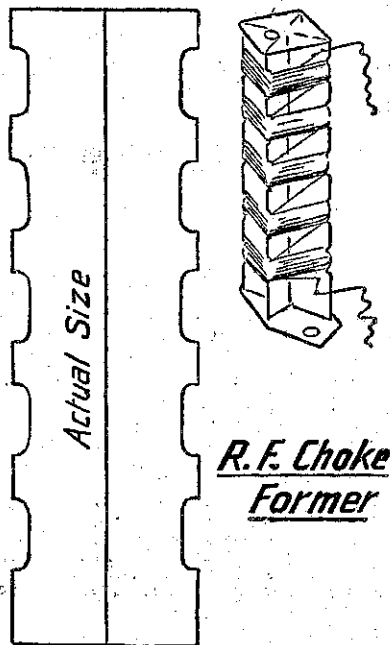
3. Is the Blue Spot cone a good speaker?

A.: Yes. A laboratory report has already appeared on it.

Winding Chokes

CELLULOID formers for radio-frequency chokes have previously been described in the "Radio Record," but slight alterations have been made in the dimensions, and as this type of broadcast choke has proved itself highly efficient, a brief description is given here.

Stout celluloid should be used, and may be marked out by placing over



the printed diagram, scratching the lines with a sharp steel point or strong needle. If the scratching is deep, much of the shape may be broken out of the sheet by bending the celluloid. Two pieces the size shown are required for each choke. One of these is then divided down the centre and one piece attached to each side of the full piece with celluloid cement.

End pieces are then put on, larger than required, and when all is set, they can be trimmed with scissors. A hole in one of the angles at each end will allow the insertion of a meccano spindle for winding, otherwise the winding may easily be done by hand. One thousand turns of 36 or 38 enamelled wire is put on, 200 turns in each set of notches. The ends are passed through two holes and fastened with cement, or holes may be drilled for the insertion of bolts to act as terminals. Two holes in the base provide for screwing to the baseboard.

The direct current resistance of these chokes is 40 ohms with 36 wire and 63 ohms with 38, so with only a few mils passing the drop is less than one volt.

Constructional Data for Short-Wave Coils

AS numerous inquiries for short-wave coil specifications reach us we have prepared the following table of various combinations. A slight departure from specifications in either coil or condenser should not affect efficiency greatly, but it will slightly alter tuning:—

Valve Base.	Tuning	Midget, 32mmfd.	Reaction, 32mmfd.
Band.	Secondary.	Wire.	Tickler.
19-25	7	24 d.c.c.	7
25-35	10	24 d.c.c.	10
35-45	15	24 d.c.c.	15
45-64	22	24 d.c.c.	22*
62-110	40	24 d.c.c.	40*

*Tickler wound double layer or band.

Valve Base.	Tuning	.00015	Reaction.	.00015
Band.	Secondary.	Wire.	Tickler.	Wire.
9-15	2½	26 dsc.	3	30 dsc.
15-28	6½	26 dsc.	5½	30 dsc.
28-50	8½	26 dsc.	10½	30 dsc.
50-100	15½	28 dsc.	11½	30 dsc.
205-350	96	28 dsc.	30	36 dsc.
320-550	195	32 dsc.	50	36 dsc.

Valve Base.	Tuning	.00015	Reaction.	Resistance.
Band.	Secondary.	Wire.	Tickler.	Wire.
9-16	2½	26 dsc.	3½	36 dsc.
15-30	5½	26 dsc.	6½	36 dsc.
28-55	8½	26 dsc.	10½	36 dsc.
50-110	15½	28 dsc.	14½	36 dsc.
200-325*	80	30 e.	30	36 dsc.
320-500	148	30 e.	65	36 dsc.

*Tubes slipped over valve base.

Valve Base.	Tuning	.00025	Reaction.	Resistance controlled.
Band.	Secondary.	Wire.	Tickler.	Wire.
16-45	3½	24 e.**	4½	30 e.
40-90	13½	24 e.	7½	30 e.
250-540	110*	30 e.	33	34 e.

*Tube 3in. long slipped over valve to take winding.

**All enamelled wiring spaced by own diameter.

Diameter, 1½in.	Tuning	.0001.	Reaction	.00035.
Band.	Primary.	Wire.	Secondary.	Wire.
10-20	3	18 dsc.	3	18 dsc.
18-30	5	20 dsc.	5	20 dsc.
28-38	8	24 dsc.	12	24 dsc.
34-60	10	26 dsc.	22	26 dsc.
56-100	12	30 dsc.	45	30 dsc.

Diameter, 1½in.	Tuning	.00015.	Reaction	.00025.
Band.	Secondary.	Wire.	Tickler.	Wire.
16-30	5	18 e.	5	26 e.
29-58	12	20 e.	9	26 e.
54-110	22	20 e.	15	26 e.
103-225	45	26 e.	24	26 e.
220-350	115	30 e.	12	34 e.
300-550	195	32 e.	50	36 e.

Diameter, 1½in.	Condenser	.00015.	Reaction	.00035.
Band.	Secondary.	Wire.	Tickler.	Wire.
14-32	6½	22 e.	5½	34 d.c.c.
30-65	13½	22 e.	5½	34 d.c.c.
50-110	25	24 e.	9½	34 d.c.c.
100-220	50	24 e.	15½	34 d.c.c.

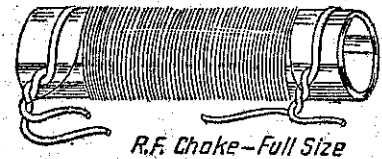
Diameter, 2in.	Tuning	.000125.	Reaction	.00015.
Band.	Primary.	Wire.	Secondary.	Wire.
15-25	4	26 e.	4	14 e.
24-40	6	26 e.	7	14 e.
37.5-65	13	26 e.	14	14 e.
64-115	24	26 e.	24	16 e.

3-inch Former.	Condenser	.0001	Reaction	.00025.
Band.	Secondary.	Wire.	Tickler.	Wire.
15-30	3	18 e.	4	22 e.
30-45	6	18 e.	5	22 e.
45-65	11	18 e.	5	22 e.
65-110	20	18 e.	7	22 e.

Diameter, 3in.	Tuning	.00015.	Reaction	.00025.
Band.	Primary.	Wire.	Secondary.	Wire.
15-35	7	26 e.	3	24 e.
30-70	7	26 e.	9	24 e.
60-130	7	26 e.	19	24 e.

A Short-wave Choke

HERE is a description of a good shortwave radio-frequency choke. It is ½in. in diameter, wound with 150 turns of 40 s.w.g. double silk-covered (or enamelled) wire, unspaced, occupying 1 1-5in. length. A piece of glass



tubing 2in. long is a convenient former. A piece of 24 wire is twisted round each end, and to this is soldered the 40 gauge. The one or two ends of the 24 will serve as leads.

Exploring Space

With Infra-Red Rays

ACCORDING to an eminent American radio engineer, recent research in connection with infra-red radiation and high frequency radio waves has indicated that communication with the various planets is theoretically possible. Ordinary radio waves cannot be employed for this purpose, as the ionised air (the Kenelly-Heaviside layer) in the upper atmosphere reflects them back to the earth.

Radio waves only a few inches long can now be generated, and these easily penetrate the Kenelly-Heaviside layer. The infra-red rays can also penetrate the atmosphere of the earth and other planets without scattering. The receiving apparatus for infra-red rays consists principally of a sensitive cell, so sensitive, in fact, that a high-powered searchlight operating on the moon could be recorded on the earth.

SO effective is the potentiometer control of grid bias in the detector of a short-wave set that it is now usually regarded as a necessary modification of such a circuit.

The Add-A-Phone, The Wonderful ADD-A-PHONE

His Majesty The King's speech
—Prime Minister's speech—All
great and stirring events are
given to the world by Short-
Wave.

The ADD-A-PHONE picks
them up and puts them
through your set.

—Or works independently—
WONDER — DELIGHT. —

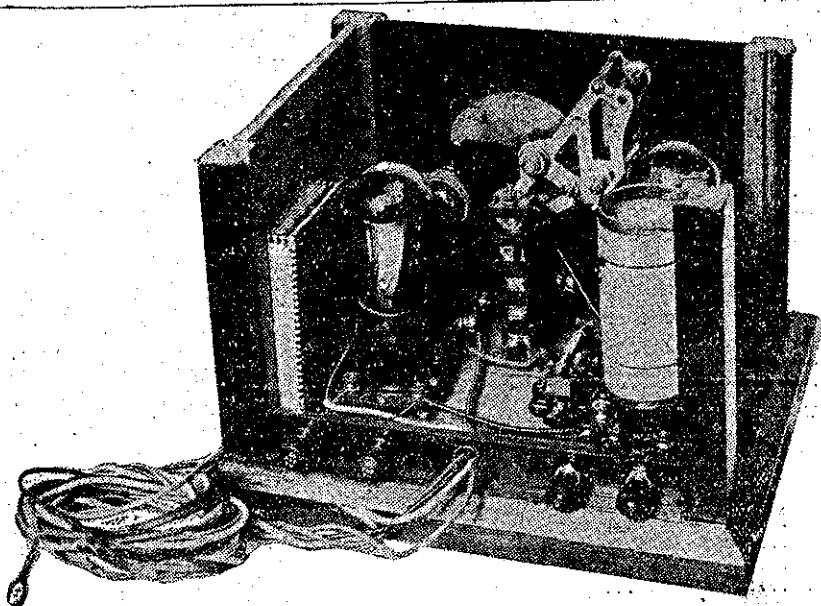
SIMPLICITY

The N.Z. Short-Wave Listeners'
Club recognise the world's
great trend to short-wave.

Add an Add-A-Phone to your
outfit and join the club and
listen in to the world.

MACK'S RADIO SERVICE

76-77 Kent Terrace, Wellington.
Phone 23-448.



WELL, here we are with the Differential Receiver on one side, typewriter in front of us, and a pile of papers and diagrams on the other side. We hope to tell you in as short a space as possible how to make this wonderful little receiver. We are really very modest about it when we say it is a "wonderful little set," as we consider it by far the best two-valve set we have ever described. We have looked over quite a number of circuits and "picked the eyes out of them" so to speak, added a few ideas of our own, until we have a circuit which we feel fills a long-felt need.

In the first place it does not cost very much to build. For about £6 or so the constructor can be fitted up with everything except batteries and speaker. It is economical, requiring only 90 volts "B" battery and 4 volts "A." You could even use two volt batteries if you feel inclined.

It is compact, for the size of the whole set, as we have had it photographed, is not more than 8in. high by 10½in. long, by 8½in. wide, and that is including a very heavily built cabinet.

If you do not wish to build the cabinet or wish to incorporate some ideas of your own, the actual parts can be used upon a base board 8in. x 6in., and there is no crowding either. All the parts fit nicely into position and you can easily put the "C" battery inside your cabinet. We have done away with the big terminal strip, which is really expensive and more or less old-fashioned. A four wire cable runs direct to the points of battery supply in the set and four terminals connect with the aerial and earth and the 'phones or speaker.

A little while ago "Cathode" went to some length to explain the theoretical advantages of this type of reaction. We will not reiterate them here, but those who use differential after having used either swinging coil or ordinary

The Best "Two" Yet

The "Night Hawk"

This is what we have called the complete two-valve d

By the TECHNICAL EDITOR

condenser for some time will be amazed and delighted at the working of this new type of condenser. You must be careful, of course, not to make the set oscillate. When you hear it whistling immediately slacken reaction, as this whistling causes annoyance to your neighbours.

The Cabinet.

THE photograph of the complete set will give a good idea of the cabinet we have used in our laboratory model. The top and bottom is made of inch timber, 8½in. x 10½in., with a bevel cut along one edge. The uprights are 6in. long, and just under an inch square. The second photograph, that is the one looking down on the set, shows the novel idea we have used for the sides and panel. It will be seen that two grooves are cut into each, and into these slide the sides of three-ply. By this arrangement the wiring can be made accessible without any trouble. It is ever so much better to build a set like this than to build it into a box. At the back there is a strip of ebonite under an inch wide for the four terminals. The position of these can be quite easily seen in the photograph, and it will be noticed that there is a hole cut in the centre through which the four wire cable runs to the set.

If you do not want to make a cabinet, you will need a piece of ½in. timber 8in. x 6in., and on to this the panel must be fastened by two screws, otherwise the lay-out is the same.

The Lay-out of the Panel.

SO much for the cabinet. Let us get to work on the actual construction of the set. First of all we need to get a kit of parts, which some firms are selling complete. We have given a list with all the separate parts enumerated. The first task is to drill the panel and mount the components thereon. Our lay-out sketch shows very clearly where everything is to go. The tuning condenser, as will be seen is slightly at an angle, and is 2in. from the top, and in the dead centre. The differential condenser and the rheostat are each 4in. from the top, and 1½in. from the side. The switch is placed immediately under the tuning condenser, and about 1in. from the bottom.

When all the parts are in position mount the panel to the baseboard and lay out the rest of the components. The position of each will be seen very clearly from the photographs and from the wiring diagram. It is well before screwing anything into position to lay out all your parts, as the size may slightly differ from those used in our set, and some slight adjustment may be needed. Notice that we have kept our grid and plate wires particularly short, and if you wish to make any alteration in the lay-out you must do the same.

Further, it will be noticed that the old method of running stiff wires to each point has been done away with. As a matter of fact we use ordinary 24 gauge wire and cover it with spaghetti. Glazite, of course, would be excellent for the purpose and would need no extra covering. In the wiring diagram stiff angles have been retained, but this is only to show where each wire goes to.

If they were jumbled up as they are in the photographs, those who are constructing a set for the first time would have great difficulty in following them. Notice particularly the way the valve sockets are turned round.

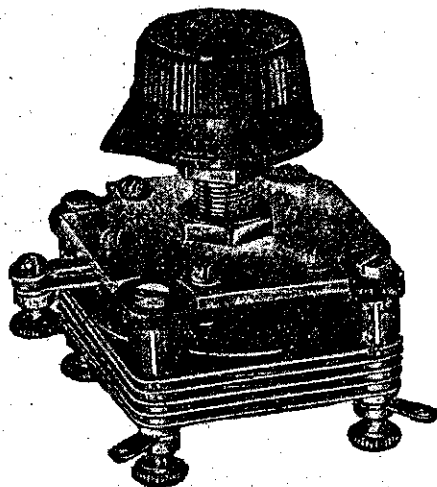
The photographs and the sketch will indicate their positions very clearly, but make certain they are right before screwing them down.

The Tuning Coil.

THERE are very many ways of making the coil, but some prefer to do it on celluloid, as our own was wound. However, it is much more simple to wind the coil on a cardboard former, and we notice that a few firms are turning out the required length of former with the valve base already in position. This will save the constructor a good deal of trouble.

THE DIFFERENTIAL TWO

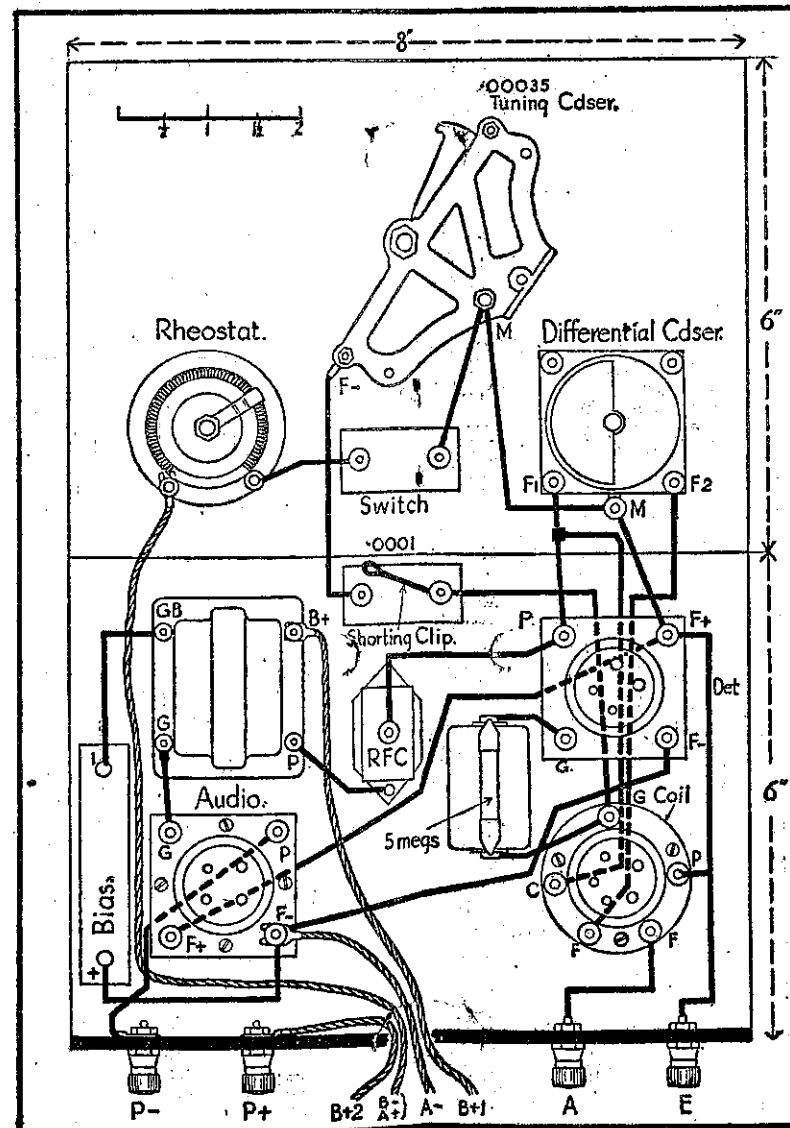
MAKE IT FROM BRITISH COMPONENTS



Lotus Differential Condensers, 8/- each

- | | |
|---------------------------------------|----------|
| Plug-in Coils (our Special). | 3/6 each |
| .00035 Lotus variable Condensers | 7/6 |
| .00025 T.C.C. Fixed | 1/6 |
| .0001 T.C.C. Fixed | 1/6 |
| Ormond Push-Pull Switch | 1/6 |
| Igranic H.F. Choke | 6/- |
| 2 meg. Leak | 1/6 |
| 2 Sockets, 1/6 each | 3/- |
| 1 Dozen Terminals | 2/9 |
| 18 x 7 Panel, Black or Mahogany | 6/- |
| Telsen 5-1 Audio Transformer | 10/6 |
| 50,000 Ferranti Resistance, and mount | 6/9 |
| 1, 2 MFD T.C.C. Condenser | 4/2 |

F. J. W. FEAR & CO.,
63 WILLIS STREET, WELLINGTON. Phone 41-446



nt Hawk"

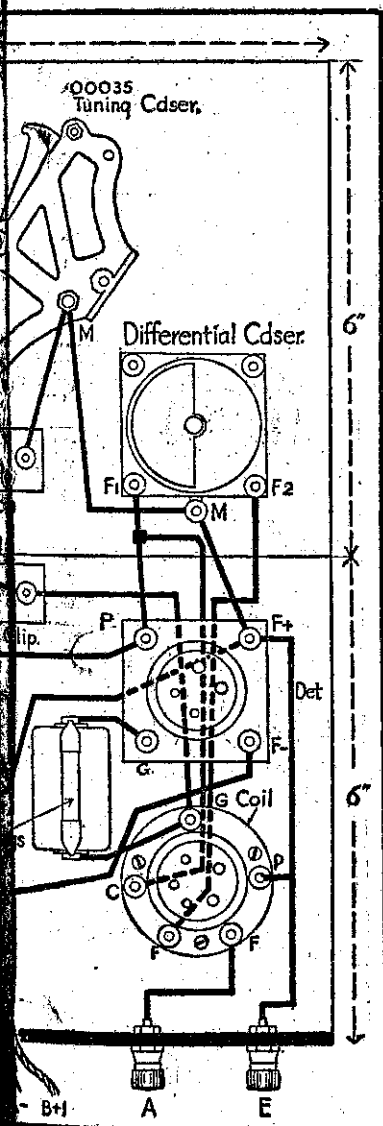
plete two-valve differential receiver

ICAL EDITOR

The photographs and the sketch will indicate their positions very clearly, but make certain they are right before screwing them down.

The Tuning Coil.

THERE are very many ways of making the coil, but some prefer to do it on celluloid, as our own was wound. However, it is much more simple to wind the coil on a cardboard former, and we notice that a few firms are turning out the required length of former with the valve base already in position. This will save the constructor a good deal of trouble.



Wiring.

THERE is little we can say about the wiring other than take every lead by the shortest way, and particularly keep the grid and plate wires short. We have found it not a bad plan to take many of the wires underneath the valve bases, as can be seen from the photograph.

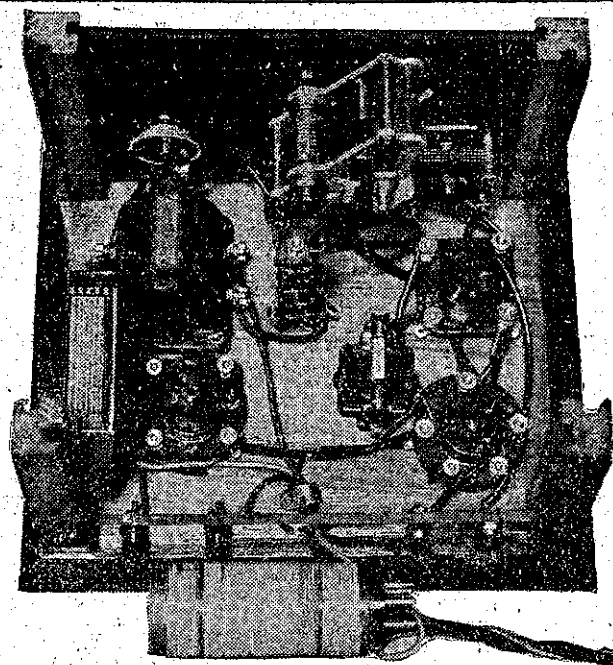
One point where our sketch and our photographs differ might be mentioned. We have omitted in our own model, the condenser, which can be switched in series with the tuning condenser to reduce the lower values for shortwave work. Its position is quite clearly shown in the diagrammatic sketch. The wire from the grid terminal of the coil-holder is taken to one terminal on this condenser, but the other terminal continues on to the fixed plates. A shorting clip must be arranged for so that when broadcast is required this clip short-circuits the two terminals and cuts out the condenser. It is a good plan to fasten one end of the condenser to the fixed plates of the moving condenser.

The battery voltages depend very much upon the requirements of the constructor. If he wants good results he will use 90 volts on B+2 and 45 or 22½ volts on B+1. As for an "A" battery, four-volt valves will be quite sufficient and the two-volters are quite good. The value of the "C" battery will depend upon the valve used in the last stage and the voltage applied. If you are not clear on how much bias to use, try nine volts and reduce it until good, clear reception is obtained. Otherwise ask your dealer when you buy the valve. There are quite a number of different valves that can be used for this purpose, and we shall not enumerate them here. We recommend a special detector such as PM4D, A615 or UX 112A. For the second stage we recommend a high-power gain valve, such as B409 or P.M.4.

The value of the grid-leak is best found by experiment, remembering that the higher the value the more sensitive the set becomes, the more difficult is oscillation and the harsher is the tone. We found 5 megohms quite a good value for this set, although it could quite well be reduced to two.

Outside the set B— must be connected to either A— or A+, certainly not to both.

If reaction is plop try another grid-leak and reduce the detector voltage to 22½. If now the set does not oscillate easily increase the number of turns on the reaction coil or use a larger reaction condenser. Our regeneration coil was designed for .00013 condenser, but .0002 can be employed by using about 10 less turns on the broadcast band and a proportionately smaller number on the S.W. coils.



The Set Performs Well.

WHEN we tried out the set it was in the middle of Wellington and early in the evening. Unfortunately we have had to hurry the completion of this set and so have not had adequate time to go DX-ing on it. We leave that for our constructors and can promise them that there are many thrills coming to them when they begin to explore the ether. Our test took

The coil is not difficult to make. A piece of former that will fit tightly over the valve base is all that is required and it should be just over 4½ inches long. The tubing is then fitted over the coil base. Drill a small hole right through the former into the base so that later a brass brad may be forced in. Just clear of this hole and immediately above the cathode prong, drill another right through into the cavity of the base. From this measure up 7-8in. and above the remaining adjacent filament pin drill another hole. Allow a 1-8in. and measure 2½in. Now drill two more holes, one at the lower of these two marks immediately above the plate pin, and thereafter through the upper mark immediately over the grid pin. Now, allow another 1-8in. and drill a further hole immediately over the plate pin—that is the second over that pin. The final hole is drilled at the top mark immediately above the free filament pin. This explanation of the positioning of the holes can be made more clear by an examination of the diagram of the coil reproduced on this page. The idea is to bring out each wire right over the pin to which it is to go.

When the holes are drilled take off the base and arrange the former on

Parts List for "Night Hawk" Two.

- .00035 Variable Condenser.
- Differential Condenser, .00013 or .002 mfd.
- .00025 Fixed Condenser.
- .0001 mfd. Fixed Condenser.
- Switch.
- H.F. Choke.
- 5 meg. Grid Leak.
- 2 U.X. Valve Holders.
- 1 U.Y. Valve Holder.
- Four Terminals.
- Panel, 8in. x 6in.
- Valve Base Coils.
- Audio Transformer.
- 1 30-ohm Rheostat.
- Five feet of four-wire cable.
- Two Valves.

place one evening at about 7 o'clock, and when we turned it on the noise of 2YA roaring in our ears was almost deafening, so we put it on the speaker. It came through beautifully clear and the tone was all that could be wished for from a set so small. We were glad that it has been designed to use a moderate power valve in the last stage.

Then we introduced a wavetrap and Wellington disappeared like magic and we could hear how the set oscillated. It went beautifully in and out of reaction without a sign of ploppiness or of that rasping reaction that characterised the sets of a year or so ago. 1, 3 and 4YA all came in on the phones and we could just get the whistle of what was probably 2BL, but it was far too early for such a station and so attempting to tune it in was not worth while.

"NIGHT HAWK TWO" PARTS

.00035 Variable Condenser, 5/6. .0002 Differential Condenser, 7/6. .0025 Fixed Condenser, 1/6. .0001 Fixed Condenser, 1/6. First-class Switch, 1/6. H.F. Choke, 6/9. 2 Meg. Leak, 1/6. Two UX Valve Holders, 3/-. UY Valve Holder, 3/6. Four Terminals, 1/4. Panel, 8in. x 7in. x 3/16 at 3/4. Telsen Transformer, 10/6. 4-Wire Battery Cable, 1/9 per yard. 2-Valves, Philips, 13/6 each; De Forest, 9/- each. Valve Bases, Free. Aerials erected in Wellington Territory. Any Radio supplied and all trusty Radio Parts at really fair prices. Send enquiries.

BOB HORROBIN,

Flashlight Corner, 2 Courtenay Place,

WELLINGTON.

Quick Repairs. 'Phone 22-357.

FEATURE PEEPS

... at ...

FUTURE PROGRAMMES

SUNDAY

Auckland Notes

A RELAY of the evening service from St. Mary's Cathedral will be conducted. The preacher will be Canon William Fancourt, and the organist Mr. Edgar Randall. After the service the Municipal Band, under the baton of Captain George Buckley, will give a concert at Albert Park. After this relay selected gramophone items will be given from the studio until 10 p.m.

From Wellington

THE service of the Church of Christ, Vivian Street, will be relayed. The preacher will be Pastor W. G. Carpenter and the organist Miss Hazel Hunter. At 8.20 p.m., approximately, the Miramar Silver Band, under Mr. R. A. Sutherland, and assisting artists, will present a concert from the studio.

Jottings from 3YA

THE Ven. Archdeacon Haggitt will be the preacher at St. Mary's Anglican Church, Merivale, when the service will be broadcast. Mr. Alfred Worsley will be the organist and choir conductor. An open-air concert, to be given by the Woolston Band and assisting artists, will follow.

From 4YA

THE service in First Church (Presbyterian) will be broadcast. The Rev. W. Allen Stevely will be the preacher, with Dr. V. E. Galway at the organ. A relay from 3YA will follow.

MONDAY

Items from 2YA

MR. H. C. South will be on the air from 2YA at 7.40 p.m. to deliver another of his interesting talks on "Books—Grave and Gay." At 8 p.m. the Orchestra, under Signor A. P. Truda, will play the overture, "Maritana," and during the evening will be heard in the selection, "I Pagliacci," the "Suite Grave," the selection "Lily of Killarney," and the valse, "Dance of the Rose Elves." The vocalists for the evening include Mr. G. Austin



NGAIRE COSTER,
the well-known Wellington contralto.
—Elizabeth Greenwood, photo.

Blackie (tenor); Miss Nora Gray (soprano), and Mr. George Neel (baritone). Miss Madge Thomas and Mr. John Sturr will be heard in an interesting sketch entitled "Kiddie," by Twyford.

Features from Christchurch

A FURTHER talk of the series, "The Story of the Garden," told in dialogue form by Messrs. E. E. Wiltshire (vice-president of the Canterbury Horticultural Society) and F. C. Fairclough, will be given at 7.30 p.m. An open-air concert (weather permitting) will be broadcast by the Christchurch Municipal Band (conductor, Mr. J. Noble) and assisting artists. The band is up to contest form and will present an attractive programme.

4YA Items

MISS MOLLIE VICKERS, popular soprano, makes her reappearance before 4YA microphone after a vacation, when she will be heard in three exceptionally popular ballads, "Days of Joy are Here," "By the Waters of Minnetonka," and "Coming Thro' the Rye." Miss Margaret Sealys, who has not been heard over the air for some considerable time, broadcasts to-night.

The instrumental portion of this programme is in the hands of the Novelty Syncopators, an extremely popular combination of jazz artists, each one of whom can play several instruments. It is quite a frequent occurrence during the presentation of a popular "hit" to have every member playing a string instrument, the broadcast effect being exceptionally fine.

Mr. Moore-Wilson, the syncopators' popular pianist, will present "Caprice Viennoise."

TUESDAY

Features from Auckland

A DELIGHTFUL programme has been arranged for 1YA this evening. The well-trained lyric soprano voice of Miss Patricia McLeod will be heard in several numbers, including Sir Henry Bishop's hitting song "Should He Upbraid," and two very pretty French songs. At the recent recital given by Dr. Kenneth Phillips, one of the outstanding successes was the artistry of Mr. A. B. Thompson, a young baritone who, besides being a very fine singer, possesses a large repertoire. For this programme he has chosen some splendid and little-known songs.

Highlights

Novelty Syncopators.

4YA, Monday.

International Recordings.

2YA, Wednesday.

Winkel-Lampen Radio Players.

4YA, Wednesday.

Lilian Frith, mezzo-soprano

2YA, Thursday.

"Don."

1YA, Friday.

Dickens' Commemoration

2YA, Saturday.

From 2YA

A POPULAR type of programme will be broadcast in the evening. Miss Muriel Johns will be heard in songs at the piano; Messrs. Berthold and Bent, Spanish and Hawaiian guitar duettists, will be heard in Hawaiian and the latest melodies, while Mr. and Mrs. Ransom Myers will entertain in a bracket of humorous duets, "Optimist and Pessimist" and "Domestic Economy." The incidental music by the Salon Orchestra, under Mr. M. T. Dixon, will include "Four Indian Love Lyrics" (by Woodforde Finden), "La Boheme" (by Puccini), and the latest dance novelties.

Jottings from Dunedin

A NEW band selection appears on the programme to be presented by the Kalkorai Band, under the direction of Mr. T. J. Kirk-Burnnand, and two further items are exceptionally well esteemed band works. These are Meyerbeer's "Crusaders in Egypt" and Ord Hume's "Trumpeters of the Crown." "The Crusaders in Egypt" is a selection full of the most interesting melodic progression, containing rich and beautiful harmonies, admirably suitable for band purposes. "Trumpeters of the Crown" is a descriptive selection and Ord Hume's treatment of the Royal Fanfare, against which he has written beautiful counter-melodies, is exceptionally fine. The selection is brilliant throughout, opening with a short common time moderato, and, following this, a brilliant six-eight allegro. It is entitled "Kalkorai Valley," and was composed by the conductor of the band.

This march was specially written for contesting purposes and this will be its first public performance of any description.

A new vocalist, Mr. J. L. Tennent, makes his appearance on this programme, presenting songs by Russell, Squire and Sanderson. Mr. Tennent has a rich bass-baritone voice and is certain to be an acquisition to 4YA.

If you are building a SHORT-WAVE SET

these new lines will interest you.

Shielding Cans, 4in. x 7-8in., 1/9. Metal Clips for S.-G. Valves, 3d. Centre Tapped Resistances, 10, 20, 40 ohm., 1/6, 200 ohm, 2/3. Special "Air Wound" S. Wave Coils, with base, 32/6 set. "Non-skip" R.F. Chokes, 6/6. Aerovox By-pass Condensers, all sizes, from 4/3.

SPECIAL—

Ebonite Tubing to fit on valve bases for making plug-in S.W. Coils.

Per ft. 2/3 cut to any size.

Output Transformers for 'Phones or Speakers, 1-1 ratio, 12/6,

L. B. SCOTT Ltd.

Manchester and Worcester Sts.,
Christchurch.

SEND FOR NEW PRICE LIST

WEDNESDAY

From Auckland

THE instrumental portion of the programme will be given by the Auckland Artillery Band, playing under the baton of Mr. Wynne Smith. This band will compete at the coming contest and has been rehearsing assiduously for some time past. The remainder of the programme will be provided by Madame Grace Griffiths and her concert party, a band of talented Auckland artists.



RUSSELL SUMNER, a popular 3YA tenor, whose items are always appreciated. —Steffano Webb, photo.

2YA on the Air

THE programme will consist of specially recorded overseas items referred to elsewhere.

3YA Notes

TONIGHT'S programme will be in the hands of well-known 3YA artists and will be of a particularly high standard.

Dunedin Topics

THE talk to be given at 4YA this afternoon by the Home Science Extension Department of Otago University will be on "Fruit Preserving." At 7.30 p.m. Mr. L. W. McCaskill will review the January issue of the Journal of Agriculture. The popular studio trio makes its reappearance this evening after vacation, and two very popular artists in Miss Anita Winkel and Major Lampen, the Winkel-Lampen Radio Players, will be heard. These two artists will present sketches from Sheridan's "School for Scandal" and Lester's "A Restaurant Episode." Opening the evening's programme, which will be of a classical nature, will be a particularly fine orchestral recording of "Autumn" from "The Seasons Ballet," by Glazounov, the Russian composer.

THURSDAY

Auckland Notes

THE afternoon talk from 1YA, 2YA, and 3YA will be on "Afternoon and Tea Beverages." At 7.40 p.m. from 1YA Mr. Elliott Davis will speak on "The Pig Industry."

The Savoy Male Quartet, consisting of some of Auckland's most popular younger vocalists—Mr. Bert Skeels,

male alto, late of the Westminster Glee Singers, Mr. Frank Campbell, tenor, possessing one of the finest broadcasting voices heard in Auckland, Mr. Arthur Gally (baritone), a very fine singer, and Mr. Sid Hislop (bass, whose appearances before the microphone and elsewhere have always been successful)—will be heard in solos and quartets. For enjoyable concerted singing there is very little to equal male part voices, and 1YA is very fortunate in obtaining the services of such a fine combination.

Items from 2YA

THE Wellington Artillery Band, under the conductorship of Captain T. Herd, V.D., will give an excellent studio concert. The band items are of a varied and interesting nature.

The Ariel Singers, already well known to 2YA audiences, will be heard in a number of quartets, duets, and solos. Featured on the programme will be Miss Lillian Frith (mezzo-soprano), a visitor to Wellington, who has recently returned from Australia. During the time spent there she appeared with great success at 2FC and 2BL, Sydney. Her items will include two Maori songs. This will be her final appearance before her departure for other lands.

Notes from Christchurch

A REVIEW of the January issue of the Journal of Agriculture will be broadcast at 7.30 p.m.

The operatic-classical programme will be of a popular nature. The vocal quartets, duets, and solos will include such favourites as Mendelssohn's "Spring Song," "Sink, Red Sun," "From Rushy Beds of Silver Nile," "Lend Me Your Aid," "On with the Motley," "Within those Sacred Bowers" and "Sainted Mother" (from "Maritana"). Miss Thelma Cusack (violiniste), Mr. A. E. Hutton (flautist) and the Studio Octet will provide the instrumental portion of an attractive programme.

FRIDAY

From Auckland

A THREE-ACT play is scheduled for this evening. These radio presentations have always a fascination and a charm that

make a great appeal to all listeners, particularly when they are well produced and well performed. On this evening the Little Play Club, who have so often delighted listeners with their artistic efforts, will, under the direction of Mrs. Zoe Bartley-Baxter, perform Belser's three-act play, "Don." The cast includes some of Auckland's leading players and a very entertaining evening is assured for all.

From Wellington

THE variety programme will be of a high standard. The Orchestrina, under Signor A. P. Truda, will supply the incidental music. The Golden Hula Hawaiian Orchestra will be heard in a number of characteristic airs.

Christchurch Notes

THE 3YA "Radio Service" will be given by Mr. D. Cossgrove and Mr. W. Melbourne.

Excerpts from the musical play, "Princess Caprice," will be featured on the evening's programme, the singers being the Melodious Quartet. Additional vocal numbers will be the duet, "Old Morgan and His Wife," and the "Market Chorus" from Auber's "Masianello." On the instrumental side of the programme, a piano solo, Brahms's "Cradle Song," will be played by Miss Aileen Warren, while banjo solos, consisting of popular medleys, will be contributed by Mr. Stan Birch.

Dunedin Notes

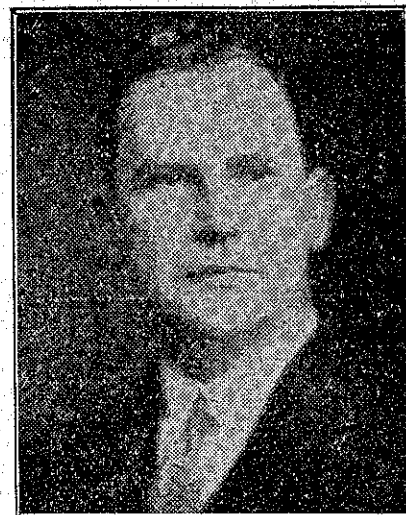
A NEW artist, Mr. J. B. Flynn, a member of the Dunedin Shakespeare Club, makes his appearance at 4YA this evening. He is to recite extracts from Kipling and Ogilvie.

A string orchestra of seven instrumentalists of exceptional merit, under the direction of Mr. T. J. Kirk-Burnnand, will present selections from "Rose Marie," "The Student Prince," "No, No, Nanette," and "Pirouette." Miss Betty Gariand, one of the members of the orchestra, will play a violin solo.



ARIEL SINGERS.

A Wellington vocal quartet, whose delightful numbers never fail to charm their many listeners. —S. P. Andrew Photo.



LEO O'MALLEY, a very pleasing baritone, popular among 1YA listeners. —S. P. Andrew, photo.

SATURDAY

From 1YA

TWO new singers will appear before the microphone to-night, namely, Miss Nance Macklow (possessor of a very well trained soprano voice) and Miss Janet Brash (already well known to the Auckland public for her artistic singing of contralto songs.). Their numbers will include some popular ballads.

Mr. Dan Flood, always entertaining, bringing as he does a wealth of professional experience, will once again broadcast humour. The instrumental section is in the hands of Mr. Harold Baxter and his Orchestral Octet. Among the items selected are the overture "Pique Dame" and the suite "The Doll's House."

Wellington Notes

THIS evening being the 119th anniversary of the birth of Charles Dickens, excerpts from the works of the famous writer have been included in the programme. Mrs. Nellie Gruttenden and members of the Dickensian Society will present—Scene from "Bleak House," "Mlle. Hortense Visits Tullingham," and a scene from "Oliver Twist," the "Thieves' Kitchen."

The Melodie Four have selected a fine and varied programme, and the Salon Orchestra under Mr. M. T. Dixon will be heard in incidental music.

3YA'S Programme

MISS CICELY AUDIBERT, soprano and versatile entertainer from the professional stage, will be singing this evening. Her recital will comprise four songs of a light nature.

Mr. Jock Lockhart, Scottish humorist, will provide much of the entertainment for which he is noted. The Christchurch Broadcasting Trio will contribute several selections to a very bright programme.

HAVE you renewed your subscription to the—

"Radio Record and Electric Home Journal."

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

Full Programmes for Next

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

Sunday, February 1

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

- 3.0 : Gramophone recordings.
 3.30: Literary selection.
 6.0 : Children's session, conducted by Uncle Bert.
 6.55: Relay of Divine Service from St. Mary's Cathedral. Preacher, Canon William Fancourt. Organist and Choirmaster, Mr. Edgar Randall.
 8.30: (approx.) Relay from the Albert Park of concert by the Auckland Municipal Band (Conductor, Mr. George Buckley).
 9.30: (approx.) God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, FEBRUARY 1

- 3.0 to 4.30: Afternoon session of selected gramophone recordings.
 6.0 : Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from St. Giles Church, Lyall Bay.
 7.0 : Relay of Evening Service from Church of Christ, Vivian Street, Wellington. Preacher: Pastor W. G. Carpenter. Organist: Miss Hazel Hunter.
 8.20 (approx.): Studio Concert by the Miramar Silver Band (Conductor Mr. R. A. Sutherland) and 2YA Artists.
 Selection—Band, "Il Conte Ory" (Rossini).
 Soprano—Miss Lilla Vondersloot, (a) "The Waters of Minnetonka" (Laurance), (b) "Stolen Wings" (Willeby).
 Baritone—Mr. A. W. Beckford, (a) "Invictus" (Hahn), (b) "Requiem" (Homer).
 March—Band, "Silver King" (Greenwood).
 Tenor—Mr. Harry Phipps, (a) "An Evening Song" (Blumenthal), (b) "The Message" (Blumenthal).
 Contralto—Miss Mollie Fenton, (a) "Harvest Slumber Song" (Needham), (b) "Life's Epitome" (Rae).
 Waltz—Band, "Amourette" (Rimmer).
 Weather report and station notices.
 Duet—Miss Mollie Fenton and Miss Lilla Vondersloot, "Hold Thou My Hand" (Briggs).
 Cornet—Corporal J. H. Newton, "Out of the Silence" (Geehl).
 Tenor—Mr. Harry Phipps, (a) "Lead Kindly Light" (Evans), (b) "Dream of Paradise" (Gray).
 'Cello—W. H. Squire, (a) "Largo" (Handel), (b) "Humoresque."
 Duet—Miss Mollie Fenton and Miss Lilla Vondersloot, "The Dream Minuet" (Beethoven).
 March—Band, "Integrity" (Newby).
 Baritone—Mr. A. W. Beckford, "Blow, Blow Thou Winter Wind."
 Naval Patrol—Band, "Our Bluejackets" (Meacham and Rimmer):
 March "Winning Hazard" (Chapman).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, FEBRUARY 1

- 3.0 : Gramophone recital.
 4.30: Close down.
 5.30: Children's Song Service by children of the Anglican Sunday Schools.
 6.15: Chimes from Studio.
 6.30: Musical recordings from studio.
 7.0 : Relay of evening service from St. Mary's Anglican Church, Merivale. Preacher: Ven. Archdeacon Haggitt. Organist and Choir Conductor: Mr. Alfred Worsley.
 8.0 : Open Air Band Programme by Woolston Band. Conducted by Mr. R. J. Estall, and assisted by 3YA Artists. March—Band, "Harlequin."
 8.4 : Dulcet Quartet—"Peace Gentle Peace" (Elgar).
 Contralto—Miss Nellie Lowe, "Oh, Beautiful Star" (Kellie).
 Tenor—Mr. Jas. Shaw, "The Willow" (Thomas).
 8.14: Selection—Band, "Sailors' Memories" (Hawkins).
 8.24: Soprano—Mrs. W. B. Harris, "Kishmul's Galley" (Kennedy-Fraser).
 Baritone—Mr. A. G. Thompson, "Song of the Volga Boatmen."
 Soprano and Contralto—Dulcette Duo, "Angelus" (Chaminade).
 8.34: Trombone solo—Bandsman E. Williams, "Winning Spirit" (Clough).
 8.39: Contralto—Miss Nellie Lowe, (a) "In the Great Unknown" (D'Hardelot), (b) "What Shall I Sing You" (Barry).
 8.45: Cornet duet—Bandsmen B. Ohlsen and J. Annand, "Sandy and Jock."
 8.51: Tenor—Mr. Jas. Shaw, "The Scent of the Lilies" (Cobb).
 8.55: Characteristic Piece—Band, "The Grasshopper" (Bucalossi).
 9.0 : Weather forecast and station notices.
 9.2 : Baritone—Mr. A. G. Thompson, "Dreams" (Meale).
 9.5 : Xylophone—Bandsman Harold Biggs, "Chinkie Lee" (Franklyn).
 9.9 : Mrs. W. B. Harris, (a) "Skyfishers Song" (Kennedy-Fraser). (b) "Land of Heart's Desire" (Kennedy-Fraser).
 9.14: Sketch—Band, "Swanee River" (Myddleton).

- 9.22: Tenor—Mr. Jas. Shaw, "Youth" (Allitsen).
 Dulcet Quartet, "The Message" (Caldicott).
 9.26: March—Band, "Organic" (Scott).
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, FEBRUARY 1

- 3.0 : Selected recordings.
 5.30: Children's Song Service, conducted by Big Brother Bill.
 6.15: Instrumental Recordings.
 6.30: Relay of Evening Service from First Church (Presbyterian) Dunedin. Preacher: Rev. W. Allen Stevely. Organist: Dr. V. E. Galway.
 7.45 (approx.): Selected recordings.
 8.15: Relay of Studio programme from 3YA Christchurch.
 10.0 (approx.): God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, FEBRUARY 1

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

Monday, February 2

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, FEBRUARY 2

'SILENT DAY.'

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

- 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:
 London Symphony Orchestra, "Czar Sultan Suite" (Rimsky-Korsakov).
 International Concert Orchestra, "Waltz Dream" Strauss).
 6.15: New Light Symphony Orchestra, "Peer Gynt Suite" (Grieg): (1) Ingrid's Lament, (2) Arabian Dance; "Prelude in G Minor" (Rachmaninoff).
 6.30: New Light Symphony Orchestra, "Peer Gynt Suite" (Grieg): (1) Return of Peer Gynt, (2) Solveig's Song; "Prelude in C Sharp Minor" (Rachmaninoff).
 6.45: Philadelphia Symphony Orchestra, "Danse Orientale" (Glazounov).
 International Concert Orchestra, "Sari" (Kalman).
 Philadelphia Symphony Orchestra, "March of the Caucasian Chief."
 7.0 : News session, market reports and sports results.
 7.40: Lecturette—Mr. H. C. South, "Books—Grave and Gay."
 8.0 : Chimes. Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "Maritana" (Wallace).
 8.16: Tenor—Mr. G. Austin Blackie, (a) "You Flaunt Your Beauty in the Rose" (Lehmann), (b) "I Know of Two Bright Eyes" (Clutsam), (c) "An Answer" (Cohnreich).
 8.26: Piano duet—Misses Dorothy Tighe and Hazel Hardwicke, "Die Entführung aus dem Serail" (Mozart).
 8.33: Soprano—Miss Nora Gray, (a) "Slow, Horses, Slow" (Mallinson), (b) "To Me at My Fifth Floor Window" (Mallinson), (c) "Young Love Lies Sleeping" (Somerville), (d) "Dainty Little Maiden" (Somerville).
 8.44: Choral—Orchestra Symphonique de Paris and Chorus, (a) "When Soldiers Mount Guard," (b) "'Tis the Mid-Day Bell," (c) "Love is Like a Wild Birdling," (d) "Whence Come These Angry Shrieks and Cries" (all by Bizet).
 9.0 : Weather report and station notices.
 9.2 : Selection—Orchestra, "Pagliacci" (Leoncavallo).
 9.17: The Sketchers, "Kiddle" (Twynford).
 9.34: Baritone—Mr. George Neel, (a) "The Admiral's Yarn" (Rubens), (b) "Harlequin" (Sanderson), (c) "Yeoman of England" (German).
 9.44: Suite—2YA Orchestra, "Suite Grave" (Brahms); selection, "Lily of Killarney" (Benedict); valse, "Dance of the Rose Elves."
 10.0 : Dance programme:
 Foxtrots—Red Nicholls and His Five Pennies, "I May Be Wrong."
 Bob Haring and His Orchestra, "How Am I to Know?"
 Irving Mills and His Hotsy Totsy Gang, "Can't We Get Together?" (Razaf).
 Ben Bernie and His Hotel Roosevelt Orchestra, "Bottom's Up" (Friend).
 10.12: Vocal—Chester Gaylord, "Sing a Little Love Song" (Conrad).
 Foxtrots—Colonial Club Orchestra, "When You're Counting the Stars Alone" (Russell).
 Ray Miller and His Orchestra, "Moonlight and Roses."

Week-all Stations-to Feb. 8

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

Irving Mills and His Hotsy Totsy Gang, "Sweet Savannah Sue" (Razaf).

Waltz—Carter's Orchestra, "On Miami Shore" (Le Baron).

10.27: Duet—Billy Murray and Walter Scanlan, "The Whoopee Hat Brigade"
Foxtrots—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "If I Had a Talking Picture of You" (De Sylva);
"Doin' the Boom Boom" (Gottler); "Sunnyside Up."
Dan Russo and His Oriole Orchestra, "Because You Said 'I Love You'" (Sanders).

Waltz—Carter's Orchestra, "A Little Love, a Little Kiss" (Ross).

10.45: Male duet—Billy Murray and Walter Scanlan, "Last Night, Honey."
Foxtrots—Red Nicholls and His Five Pennies, "The New Yorkers."
Colonial Club Orchestra, "The Boomerang" (Rose).
Ben Bernie and His Hotel Roosevelt Orchestra, "Bigger and Better Than Ever" (Friend).

Waltz—Roy Fox and His Montmartre Orchestra, "I've Waited a Lifetime for You" (Goodwin).

11.0: God save the King.

3YA, CHRISTCHURCH (930 KILOCYCLES)—MONDAY, FEBRUARY 2.

8.0: Gramophone recital.

4.25: Sports results.

5.0: Children's Hour, "Cousin Margot and The Mystery Man."

6.0: Dinner music session.

Scala Concert Orchestra, "The Merry Widow Waltz" (Lehar).

Edith Lorand's Orchestra, "Norma" Fantasia (Bellini).

Stoll Picture Theatre Organ, "Minuet In G" (Beethoven).

6.15: Band of H.M. Life Guards, "Cavalleria Rusticana" Selection.
The Scala Trio, "Moment Musical" (Schubert).
Scala Concert Orchestra, "A Waltz Dream" (Strauss).

6.30: Symphony Orchestra, "La Tosca" Selection (Puccini).
Stoll Picture Theatre Organ, "Les Millions D'Arlequin" (Drigo).
Edison Bell Symphony Orchestra, "Gold and Silver" (Lehar).
Jack Padbury's Cosmo Club Six, "Exhantment Tango."

6.45: Band of H.M. Life Guards, "The Arcadians" (Monckton).
The Scala Trio, "Le Cygne" (Saint Saens).
The Six Nite Lights, "Love's Old Sweet Song" (Molloy).

7.0: News session.

7.30: Dialogue—Messrs. E. E. Wiltshire and F. C. Fairclough, "The Story of the Garden" (Elementary botany as applied to garden plants).

8.0: Chimes. Relay of an open-air Band Concert by the Christchurch Municipal Band (Conductor, Mr. J. Noble), and assisted by 3YA Artists. March—Band, "Flying Squad" (Ord Hume).

8.5: Baritone—Mr. Leslie A. Stewart, "Marguerite" (White).

8.9: Flute—Mr. W. Hay, "Fantasia on English Airs" (Pratten).

8.14: Soprano—Miss Agnes Cunningham, (a) "Open Thy Blue Eyes" (Marsenet); (b) "Thy Daily Question" (Helmund).

8.20: Overture—Band, "The Diamond Cross" (Greenwood).

8.30: Humour—Mr. J. J. Flewelling, (a) "The Merchant and the Book Agent" (Anon.); (b) "An Embarrassing Situation" (Anon.).

8.36: Banjolin—Mr. Arthur Hodgson, "Popular Melodies" (M.S.).

8.41: Tenor—Mr. H. J. Francis, (a) "Lorraine" (Sanderson); (b) "I Heard You Singing" (Coates).

8.46: Humoresque—Band, "Musical Switch" (Alford).

9.1: Weather forecast and station notices.

9.3: Mezzo-contralto—Mrs. N. Bingham Puddey, (a) "Smiling Through" (Penn), (b) "Love's Garden of Roses" (Haydn Wood).

9.9: Songs of the people—Band, "Community Songs" (arr. Smith).

9.16: Flute—Mr. W. Hay, "Allegretto" (Harmston).

9.20: Baritone—Mr. Leslie Stewart, (a) "It's Home To Me" (Lockhart); (b) "Home, Little Maori Home" (Hill).

9.26: Soprano—Miss Agnes Cunningham, (a) "Avourneen" (Fitzpatrick), (b) "The Last Rose of Summer" (Irish traditional).

9.32: Humour—Mr. J. J. Flewelling, "Lightning."

9.36: Banjolin—Mr. Arthur Hodgson, "Popular Melodies" (M.S.).

9.41: Mezzo-contralto—Mrs. N. Bingham Puddey, (a) "The String of Pearls" (Phillips), (b) "Sincerity" (Clarke).

9.46: Intermezzo—Band, "The Bells O' Somerset" (Hurst).

9.51: Tenor—Mr. H. J. Francis, (a) "I Hear a Thrush at Eve" (Cadman); (b) "O Flower Divine" (Haydn-Wood).

9.57: March—Band, "The Middy" (Alford).

10.2: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, FEBRUARY 2.

8.0: Selected recordings.

5.0: Children's hour, conducted by "Big Brother Bill."

6.0: Dinner music session:

New Mayfair Orchestra, "Sally" Selection (Kern).

Organ—Sandy Macpherson, "L'Heure Blen" (Spolianski).

New Mayfair Dance Orchestra, "Hungarian Medley" (arr. Somers).

6.15: Paul Whiteman and His Concert Orchestra, "Midnight Reflections."
Zonophone Salon Orchestra, "Sweet Adeline" (Armstrong).

Cello—Beatrice Harrison, "Hassan" Serenade (Delius).

Paul Whiteman and His Concert Orchestra, "Soliloquy" (Bloom).

6.30: Band of H.M. Coldstream Guards, "Florodora" Selection (Stuart).
Organ—Sandy Macpherson, "In an Old-World Garden" (Pepper).
Zonophone Salon Orchestra, "In the Shadows" (Finck).

6.45: Jack Hylton and His Orchestra, "Memories of Paris" (Padilla).

Cello—Beatrice Harrison, "Melody" (Dawes).

New Mayfair Dance Orchestra, "Waltz Medley."

7.0: News session.

8.0: Chimes. Overture—Concertgebouw Orchestra, "Anacreon" Overture.

8.12: Soprano—Miss M. Vickers, (a) "Days of Joy are Here" (Hanary), (b) "By the Waters of Minnetonka" (Lieurance), (c) "Comin' Thro' the Rye" (traditional).

8.22: Popular hits—Novelty Syncopators, (a) "Where the Golden Daffodils Grow" (Kahn), (b) "Little Red Roses" (Dublin), (c) "Sailing on a Sunbeam" (Dreyer).

8.34: Recitals—Miss M. Seelye, (a) "The Vampire" (Kipling), (b) "Solitude" (Munroe), (c) "I Wouldn't Be Too Ladylike" (Herbert).

8.44: Baritone—Mr. B. C. Bellhouse, (a) "Take Off Your Coat" (Longstaffe), (b) "Just a Ray of Sunlight" (Squire), (c) "Father O'Flynn."

8.54: Latest melodies—Novelty Syncopators, (a) "A Peach of a Pair" (Whiting), (b) "Mr. and Mrs. 'Sippi" (Tierney), (c) "It Must Be You" (Sherwin).

9.2: Weather report.

DO YOU KNOW?

—THAT STEWART-WARNER OFFERS YOU EVERY MODERN OUTSTANDING FEATURE DESIGNED FOR THE PURPOSE OF PERFECT RADIO RECEPTION.

We ask you not only to accept this statement—but to PROVE IT FOR YOURSELF.

Get busy and ask your local dealer for a free demonstration. He will be delighted to show you what this really wonderful instrument can do.

"A GREAT RADIO BACKED BY A GREAT NAME"

STEWART-WARNER RADIO

Screen Grid Circuit



SOLD THROUGH A HUNDRED AUTHORISED RADIO DEALERS

Radio

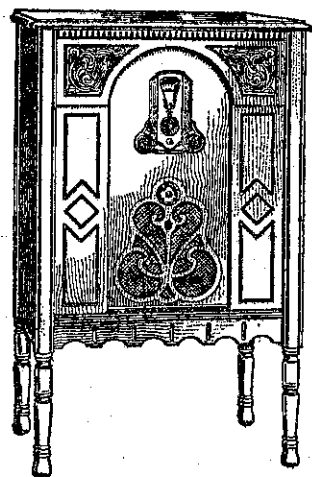
Hope Gibbons Ltd

Division

AUCKLAND

CHRISTCHURCH

WELLINGTON,



THE SET WITH THE PUNCH

- 9.4 : Selection—Colonial Club Orchestra, "Rio Rita" Medley.
 'Cello—Gaspar Cassado, "Le Cygne" (Saint-Saens).
 9.16: Contralto—Mrs. Nellie G. Shrimpton, (a) "Hail! Caledonia" (Stroud);
 (b) "One Fleeting Hour" (Lee), (c) "Ye Banks and Braes."
 9.26: Clarinet novelty—Mr. J. McCaw, "Piggle-Wiggle" (Barroll).
 Piano—Mr. Moore Wilson, "Caprice Viennois" (Kreisler).
 Foxtrot—Novelty Syncopators, "My One Ambition is You" (Tierney).
 9.37: Tenor—Mr. J. E. Davies, (a) "Macushla" (MacMurrrough), (b) "Mary
 of Argyle" (Jeffreys), (c) "There's a Tramp, Tramp on the High-
 way" (Thirley).
 9.47: Valse—Novelty Syncopators, "Song of the Islands" (Conley).
 9.54: Marches—National Military Band, (a) "Three Musketeers" (Bea-
 atzky), (b) "Lorraine" (Ganne).
 10.0 : God save the King.

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

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

Tuesday, February 3

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, FEBRUARY 3.

- 8.0 : Gramophone recordings.
 8.15: Talk—Mrs. Les Crane, "Beauty of Mind and Body in Relation to Diet."
 8.30: Further selected recordings.
 9.0 : Children's session, conducted by Uncle Dave.
 9.0 : Dinner music session.
 Marek Weber and His Orchestra, "Cavalleria Rusticana" Selection.
 Violin—Fritz Kreisler, "Schon Rosmarin" (Kreisler).
 Vienna Philharmonic Orchestra, "Hungarian Dance No. 3" (Brahms).
 9.15: Berlin Philharmonic Orchestra, "Tannhauser" March (Wagner).
 Piano—Ignaz Friedman, "Romance in E Flat" (Rubinstein).
 De Groot and His Orchestra, "I Love You" (Grieg).
 Berlin Philharmonic Orchestra, "Hungarian March—The Damnation
 of Faust" (Berlioz).
 9.30: Berlin State Orchestra, "Oberon" Overture (Weber).
 Violin—Fritz Kreisler, "Rondino" (Kreisler).
 Vienna Philharmonic Orchestra, "Hungarian Dance No. 1" (Brahms).
 9.45: Royal Opera Orchestra, "Entr'acte, Act 4 and Ballet Music" (from "Car-
 men") (Bizet).
 Piano—Ignaz Friedman, "Hark, Hark the Lark" (Schubert).
 De Groot and His Orchestra, "Romance" (Rubinstein).
 7.0 : News and market reports.
 7.40: Talk—Mr. Rod Talbot, "Motoring."
 8.0 : Chimes. Instrumental and vocal—The Moore Sisters, Trio, "Swedish
 Folk Song" (Svendsen); Mezzo-contralto, "Lie There, My Love"
 (McCunn); Trio, "Waltz No. 1" (Scott).
 8.11: Soprano—Miss Patricia McLeod, (a) "Should He Upbraid" (Bishop);
 (b) "Lullaby" (Scott).
 8.18: Baritone—Mr. A. B. Thompson, (a) "The Bells of Ys" (Nicholl); (b)
 "The White Knight" (Scott).
 8.24: Piano—Mr. Cyril Towsey, (a) "Warum" (Schumann); (b) "Ecossaise."
 8.31: Tenor—Mr. Arthur H. Ripley, (a) "Till Dawn" (Loewe); (b) "Who
 Knows" (Ball).
 8.37: Instrumental—The Moore Sisters, 'Cello, "Serenade" (Pierne); Trio,
 "Largo" (Handel).
 8.44: Topical talk—Mr. A. B. Chappell, M.A.
 8.50: Evening weather forecast and announcements.
 9.1 : Soprano—Miss Patricia McLeod, (a) "Vous Dansez Marquise" (Le-
 maire); (b) "Minuet" (Exaudet).
 9.6 : Baritone—Mr. A. B. Thompson, (a) "A Feast of Lanterns" (Bantock);
 (b) "Ethiopia Saluting the Colours" (Wood).
 9.12: Instrumental—Moore Sisters, Trio, "Londonderry Air" (arr. Kreisler);
 Trio, "Minuet" (Boccherini).
 9.20: Tenor—Mr. Arthur H. Ripley, (a) "When Other Lips" (from "The
 Bohemian Girl") (Balfe); (b) "To Mary" (White).
 9.27: Programme of dance music.
 9.30: Foxtrots—Broadway Nitelites, "You're the Cream in My Coffee."
 Denza Dance Band, "A Lane in Spain" (Lewis).
 Benson All-Star Orchestra, "To Know You is to Love You."
 The Piccadilly Players, "The Five O'Clock Girl" (Kalmar).
 9.42: Vocal—Will Fyffe, "She was the Belle of the Ball" (Will Fyffe).
 9.45: Foxtrots—The Piccadilly Players, "The Five O'Clock Girl" (Who Did?
 You Did) (Kalmar).
 Rhythmic Troubadours, "Revolutionary Rhythm" (Davis).
 Ipana Troubadours, "'S Wonderful" (Gershwin); "I'll Get
 By" (As Long as I Have You) (Turk).
 Debroy Somers Band, "Without You, Sweetheart" (de Sylva).
 Paul Specht and His Orchestra, "Hittin' the Ceiling."
 10.3 : Vocal—Charles Lawman, "Oh! Sweetheart, Where are You To-night?"
 Foxtrots—Rudy Vallee, "Outside" (Flynn).
 Denza Dance Band, "One Summer Night" (Coslow).
 Swain's Cafe Royal Band, "It Goes Like This, That Funny
 Melody" (Caesar).
 10.15: Waltz—Selvin's Orchestra, "Ramona" (Wayne).
 Foxtrots—Bernie's Orchestra, "I Want to Meander in the Meadow."

- Midnight Revellers, "The Moonlight March" (Newman).
 Bernie's Orchestra, "Where the Bab-bab-babbling Brook"
 Paul Specht and Orchestra, vocal refrain, "Sing a Little
 Love Song" (Gottler).
 10.30: Vocal—Charles Lawman, "When We Get Together in the Moonlight."
 Waltz—The Cavaliers, "Sleepy Valley" (Hanley).
 Foxtrots—Lombardo's Royal Canadians, "You Made Me Love You."
 Rhythmic Troubadours, "When the Real Thing Comes Your
 Way" (Spier).
 Lombardo's Royal Canadians, "You Belong to Me, I Belong
 to You" (Lombardo).
 Midnight Revellers, "Sweetheart's Holiday" (Robinson).
 10.48: Waltzes—The Cavaliers, "Recollections" (Rapee).
 Swain's Band, "Sleep, Baby, Sleep" (Tucker).
 Foxtrots—Selvin's Orchestra, "In My Bouquet of Memories" (Akst).
 Waltz—Swain's Band, "Heigh Ho! Everybody, Heigh Ho!"
 11.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, FEBRUARY 3.

- 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.
 Dajos Bela Orchestra, "Gypsy Love" (Lehar).
 Edith Lorand's Orchestra, "La Boheme" (Puccini).
 New Light Symphony Orchestra, "The Waltzing Doll" (Poldini).
 6.15: Dajos Bela Orchestra, "Mon Reve" (Waldteufel).
 New Light Symphony Orchestra, "Mediterranean" (Bax).
 Organ duet—Mr. and Mrs. Jesse Crawford, "The Moonlight Reminds
 Me of You" (Kahn).
 Dajos Bela Orchestra, "I Love You" (Strauss).
 Mandoline Concert Society, "Echoes of the Volga" (Ritter).
 New Light Symphony Orchestra, "At Dawning" (Cadman).
 6.45: Band of H.M. Coldstream Guards, "Les Cloches de Corneville" Selection.
 Dajos Bela Orchestra, "Vienna Bon Bons" (Strauss).
 7.0 : News session, market reports and sports results.
 7.40: Lecture by a Representative of the Agricultural Department, "For
 the Man on the Land."
 8.0 : Chimes. Overture—Salon Orchestra (Conductor, Mr. M. T. Dixon),
 "Four Indian Love Lyrics" (Woodforde-Pinden).
 8.9 : Popular songs at the piano—Miss Muriel Johns, (a) "Good Evenin'"
 (Hoffman); (b) "Ragamuffin Romeo" (Wayne).
 8.15: Chorus—Harry Hudson and His Melody Boys, "Down at the Old Bull
 and Bush."
 8.18: Guitar duo—Berthold and Bent, (a) "Should I?" (Brown); (b)
 "Hawaiian Dreams" (Marple).
 8.25: Humorous duet—Mr. and Mrs. E. Ransom Myers, "Optimist and Pessi-
 mist" (Bowen).
 8.30: Selection—Salon Orchestra, "La Boheme" (Puccini).
 8.38: Contralto—Miss Nora Greene, (a) "Drumadon" (Sanderson); (b)
 "June" (Quilter).
 8.44: Humour—Mr. Len Ashton, "The Musical Barber" (Newman).
 8.49: Selection—Band of H.M. Coldstream Guards, "La Source Ballet."
 8.57: Weather report and station notices.
 8.59: Instrumental—Salon Orchestra, (a) "Suterjontens Sonntag" (Bind-
 ing); (b) "Alt Wien" (Godowsky).
 9.7 : Popular songs at the piano—Miss Muriel Johns, (a) "Sitting in the
 Window" (Gerties); (b) "Be Careful With Those Eyes" (Woods).
 9.13: Guitar duo—Berthold and Bent, (a) "Little White Lies" (Donaldson);
 (b) "Southern Blues" (Palakiko).
 9.20: Humorous duet—Mr. and Mrs. E. Ransom Myers, "Domestic Economy."
 9.26: Chorus—Harry Hudson and His Melody Boys, "Has Anybody Here
 Seen Kelly?"
 9.31: Selection—Salon Orchestra, "Pink Lady" (Caryl).
 9.39: Humour—Mr. Len Ashton, "That's a Good Girl" (Berlin).
 9.44: 'Cello—Lauri Kennedy, "Londonderry Air" (arrgd. Kennedy).
 9.48: Contralto—Miss Nora Greene, (a) "Silent Vale" (Sanderson); (b)
 "O, Mistress Mine" (Quilter).
 9.54: Salon Orchestra, "Latest Dance Novelties."
 10.2 : God save the King.

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

SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, FEBRUARY 3.

- 3.0 : Selected recordings.
 5.0 : Children's hour, conducted by Big Brother Bill.
 6.0 : Dinner music session.
 The Philharmonic Orchestra, Berlin, "The Gipsy Baron" (Strauss).
 Heerman Trio, "Pierette" (Chaminade).
 Brunswick Hour Orchestra, "Only a Rose" (Hooker).
 6.15: Symphony Orchestra, "Eva" Medley (Lehar).
 New Light Symphony Orchestra, "Spanish Dance No. 1" (Moszkowski).
 Brunswick Concert Orchestra, "The Perfect Song" (Breil).
 6.30: Symphony Orchestra, "Frederick" Medley (Lehar).
 New Light Symphony Orchestra, "Spanish Serenade" (Bizet).
 Brunswick Concert Orchestra, "Sylvia" (Speaks).
 6.45: Heerman Trio, "Dalvisa" (Sandby).
 Paul Godwin's String Orchestra, "Lehariana" (arrgd. Geiger).

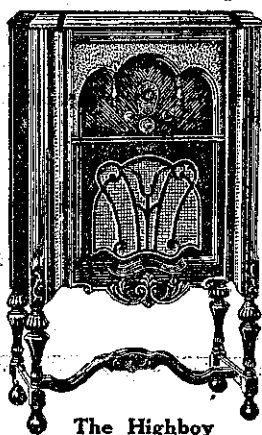
- 7.0 : News session.
 8.0 : Studio concert by Kaikorai Band, under direction of Mr. T. J. Kirk-Burnand, assisted by 4YA artists. March—Band, "Kaikorai Valley" (Kirk-Burnand); Gavotte, "Wedgwood Blue" (Ketelbey).
 8.11: Soprano—Miss Freda Elmes, (a) "Sing, Joyous Bird" (Phillips); (b) "The Lament of Isis" (Bantock).
 8.17: Valse—Band, "Sylvan Glade" (Greenwood).
 8.24: Descriptive sketch—The Roosters, "Army Reminiscences" (Merriman).
 8.30: Bass-baritone—Mr. J. L. Tennent, "The Glory of the Sea" (Sanderson).
 8.34: Grand selection—Band, "Crusaders in Egypt" (Meyerbeer).
 8.50: Contralto—Miss E. B. Clarke, "Come, O My Fairest Treasure" (Gluck).
 8.53: Piano—Mrs. C. Drake, "Fantasia in D Minor" (Mozart).
 8.57: Tenor—Mr. J. B. Hamilton, "A Jovial Monk Am I" (Audran).
 9.0 : Weather report and station notices.
 9.2 : Selection—Colonial Club Orchestra, (a) "Hollywood Revue" Medley (Goodwin); (b) "On With the Show" (Nicholls).
 9.10: Soprano—Miss Freda Elmes, "The Pipes of Pan" (Monckton).
 9.13: Fiddle and guitar—Kessinger Bros., (a) "Midnight Serenade"; (b) "Boarding House Bells are Ringing."
 9.19: Tenor—Mr. J. B. Hamilton, (a) "The Barefoot Trail" (Wiggins); (b) "Who is Sylvia?" (Schubert).
 9.25: Overture—Band, "The Trumpeters of the Crown" (Hume).
 9.35: Contralto—Miss E. B. Clarke, (a) "Ye Powers that Dwell Below" (Gluck); (b) "The Question" (Schubert).
 9.41: Selection—Milan Symphony Orchestra, "Mignon" Overture" (Thomas).
 9.49: Bass-baritone—Mr. T. J. Tennent, (a) "Young Tom o' Devon" (Russell); (b) "If I Might Come to You" (Squire).
 9.55: Popular march—Band, "Oh, Listen to the Band" (from "Runaway Girl").
 10.0 : God save the King.

Wednesday, February 4

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, FEBRUARY 4.

- 5.0 : Gramophone recital.
 5.30: Literary selection.
 5.0 : Children's session, conducted by Uncle Reg.
 6.0 : Dinner music session.
 Royal Opera Orchestra, "Praeludium" (Jarnfeldt).
 'Cello—Pablo Casals, "Melody in F" (Rubinstein).
 Waltz—Royal Opera Orchestra, "Eugene Onegin" (Tchaikowsky).
 Balalaika Orchestra, "Shining Moon" (Russian folk song).

The 1931 Gulbransen "CHAMPION"



The Highboy

For Perfect Radio Enjoyment

You have never before experienced the thrill of perfect radio reception possible with the new Gulbransen "Champion" Radio. Its unusual tone reproduction covers the entire range of the human voice. Every musical instrument is reproduced clearly and faithfully.

With perfected tone control you can vary the tone of any programme to please your particular tone preference.

The full-sized cabinet of exceptionally pleasing design and proportion will give a lasting touch of beauty to any home.

Hear this remarkable new screen-grid radio achievement. Let your nearest dealer demonstrate its amazing value, almost unbelievable at its low price.

CALL OR 'PHONE YOUR LOCAL DEALER FOR A DEMONSTRATION TO-DAY.

N.Z. Distributors:

H. W. CLARKE LTD.

WAKEFIELD STREET,

WELLINGTON.

- 6.15: Paul Whiteman's Orchestra, "Suite of Serenades" (Herbert): 1. Spanish; 2. Chinese. 3. Cuban; 4. Oriental.
 Philadelphia Symphony Orchestra, "Tales From the Vienna Woods."
 6.30: Royal Opera Orchestra, "Berceuse" (Jarnfeldt).
 'Cello—Pablo Casals, "Traumerei" (Schumann).
 Male Quartet, The Rounders, "Chlo-E" (Kahn).
 San Francisco Symphony Orchestra, (a) "Serenade" (Volkman); (b) "Flight of the Bumble Bee" (Rimsky-Korsakov).
 6.45: Chicago Symphony Orchestra, (a) "Valse Triste" (Sibelius); (b) "Funeral March of a Marionette" (Gounod).
 San Francisco Symphony Orchestra, "Marche Militaire" (Schubert).
 7.0 : News session and market reports.
 8.0 : Chimes. Studio Concert by the Auckland Artillery Band, under the Conductorship of Warrant Officer Wynn Smith. The Band will be assisted by Mr. A. Lyons Griffiths and company. Accompanist—Madame Grace Griffiths. March—Band, "Rimutaka" (arrgd. Trussell). Selection—Band, "Lortzing" (Rimmer).
 8.17: Vocal trio—Mrs. H. A. Keven, Miss C. Pringle and Miss G. Brooke—"To a Wild Rose" (McDowell).
 Soprano—Miss Cecelia Pringle, "Homing" (Del Riego).
 Baritone—Mr. A. Lyon Griffiths, "My Ships" (Barratt); "The King's Man" (Hilliam).
 8.29: Suite—New Queen's Hall Light Orchestra, "Peer Gynt" (Grieg).
 8.45: Cornet duo—Messrs. Smith and Mackay, "Tit Larks" (Hume).
 Selection—Band, "In a Monastery Garden" (Ketelbey).
 9.0 : Evening weather forecast and announcements.
 9.2 : Elocution—Miss M. Horne, (a) "Difference Between East and West" (Anon.); (b) "Wheels" (Anon.).
 9.10: Hymn—Band, "God Is Our Refuge" (Carey).
 Cornet—Mr. C. F. Thompson, "As You Pass By" (Russell).
 Selection—Band, "The Piper's Wedding" (Thayne).
 9.23: Contralto—Mrs. H. Armstrong Keven, "Deeper My Love" (Del Riego).
 Vocal duet—Misses C. Pringle and G. Brooke, "The Land of Yesterday" (Mascheroni).
 Tenor—Mr. H. W. Jessop, "Youth" (Allitsen).
 9.33: Organ—Leslie James, (a) "Lily of Laguna" (Stuart); (b) "Just Imagine" (de Sylva).
 Reginald Goss-Custard, (a) "The Question" (Wolstenholme); (b) "The Answer" (Wolstenholme).
 9.47: Humour—Mr. A. Lyon Griffiths, (a) "The Clean Sweep" (Cecil); (b) "The Bus Conductor" (Cecil-Squires).
 Vocal duet—Mrs. H. A. Keven and Mr. H. W. Jessop, "A Summer Storm" (Roeckle).
 Vocal duet—Misses C. Pringle and G. Brooke, "The Perfect Day."
 9.59: March—Band, "Wellington" (Zehle).
 10.3 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, FEB. 4.

- 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.
 New Light Symphony Orchestra, "Merry Wives of Windsor" (Nicolai).
 Marek Weber's Orchestra, "Moonlight on the Alster" (Petras).
 6.15: New Light Symphony Orchestra, "Hearts and Flowers" (Tobani).
 Marek Weber's Orchestra, "Wine, Women and Song" (Weber).
 Organ—Reginald Foort, "By the Blue Hawaiian Waters" (Ketelbey).
 6.30: New Light Symphony Orchestra, "The Glow Worm Idyll" (Lincke).
 Victor Salon Orchestra, "Indian Love Call" (from "Rose Marie") (Friml); "The World is Waiting For The Sunrise" (Lockhart).
 De Groot and His Orchestra, "When Summer is Gone" (Harrison).
 6.45: De Groot's Orchestra, "The Merry Widow" (Lehar).
 Organ solos—Reginald Foort, (a) "Leave Me Alone"; (b) "Songs My Mother Taught Me" (Dvorak).
 7.0 : News session, market reports and sports results.
 8.0 : Chimes. Presentation of specially recorded overseas programme introducing Dr. Eugene Ormandy and His Salon Orchestra. The International Singers Male Quartet; Abroad with the Lockharts. International talk, Dr. G. H. Scholefield. The Ambassadors from Melody Land. Character sketch: "Hy-Wide and Handsome."
 9.30: Dance programme:
 Foxtrots—Ilja Livschakoff and His Dance Orchestra, "There's Nothing Like Love" (Guttman); "Troika Drive in the Moonshine."
 Waltzes—"You've Been My Lucky Star" (Stolz); "Beautiful Lady in the Moon" (Wiga).
 Foxtrots—Ben Berlin Dance Orchestra, "To Begin With a Big Question Mark" (Heymann).
 Ilja Livschakoff Dance Orchestra, "The Song of My Wife."
 Ben Berlin Dance Orchestra, "My Heart Is Longing For You" (Heymann).
 Tangos—Ilja Livschakoff Dance Orchestra, "The Tale of Good Fortune" (Stolz).
 Lucchesi and His South American Orchestra, "Pesares" (Lucchesi); "Alla Va El Caldo" (Pippo-Rache).
 10.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, FEB. 4.

- 3.0 : Gramophone recital.
 4.25: Sports results.
 5.0 : Children's hour, "Uncle John."

- 6.0 : Dinner music session:
Edison Bell Symphony Orchestra, Paris, "Ballet Egyptien" (Luigini).
Marcu's Roumanian Orchestra, "It is Written on Your Lips."
- 6.15: Edison Bell Symphony Orchestra, Paris, "Manon" (Massenet).
The Scala Trio, "Apres un Reve" (Faure).
- 6.30: Edison Bell Symphony Orchestra, Paris, "Carmen" Selection (Bizet).
Band of H.M. Scots Guard, "The Grasshoppers' Dance" (Bucalossi).
Edison Bell Symphony Orchestra, Paris, "Light Cavalry" Overture.
- 6.45: Scala Salon Orchestra, "Say It With Songs" Selection (De Sylva).
The Scala Trio, "Elegie" (Massenet).
Marcu's Roumanian Orchestra, "Two Red Roses, A Gentle Kiss."
- 7.0 : News session.
- 7.30: Addington stock reports.
- 8.0 : Chimes. Overture—Mandoline Concert Society, (a) "Amazon's Ride" (Ritter), (b) "Entry of the Gladiators" (Fueck).
- 8.8 : Baritone—Mr. Sydney Armstrong, (a) "The Harp That Once Thro' Tara's Halls" (traditional), (b) "Friend o' Mine" (Sanderson).
- 8.14: Instrumental—Studio Octet (Conductor, Harold Beck), "Stradella" Overture (Flotow).
- 8.21: Soprano—Miss Evelyn Hill, "Little Lady of the Moon" (Coates).
- 8.25: Organ—Mr. and Mrs. Jesse Crawford, "Stein Song" (Fenstad-Colcord).
- 8.29: Humour in song—Mr. Reg. Lamb, "The Matrimonial Chase" (Weston).
- 8.34: Instrumental—Studio Octet, (a) "My Desert Rose" (Terise), (b) "With My Guitar and You" (Harris and Heyman).
- 8.42: Contralto—Mrs. D. W. Stallard, (a) "Still as the Night" (Bohm), (b) "In the Garden of My Heart" (Ball).
- 8.48: Recitations—Mr. H. L. Shaw, (a) "In School Days" (Whittier), (b) "Old Love Letters" (Anon.).
- 8.54: Instrumental—Studio Octet, (a) "Slave Dance" (Pratt), (b) "Tin Soldiers" (Kockert).
- 9.2 : Weather forecast and station notices.
- 9.4 : Selection—National Military Band, (a) "Lynwood" (Hume), (b) "Prairie Flower" (Hume).
- 9.10: Baritone—Mr. Sydney W. Armstrong, "There's a Song Down Every Roadway" (Haydn Wood).
- 9.14: Recitation—Mr. H. L. Shaw, "Our Folks" (Ethel Lynn).
- 9.18: Instrumental—Studio Octet, Selection from "Dorothy" (Cellier).
- 9.28: Soprano—Miss Evelyn Hill, (a) "Fiddle and I" (Goodeve), (b) "Come, for it's June" (Forster).
- 9.34: Guitar duo—Palakiko and Paaluh, (a) "It Happened in Monterey" (Rose-Wayne), (b) "California Sunshine" (Ford-Marl).
- 9.40: Contralto—Mrs. D. W. Stallard, "O Dry Those Tears" (Del Riego).
- 9.44: Humour in song—Mr. Reg. Lamb, (a) "A Proper Cup of Coffee" (Weston and Lee), (b) "Is Izzy Azzy Wozzy" (Le Clerq).
- 9.49: Organ—Eddie and Dunstetter, "Dreams" (Valdez).
- 9.52: Instrumental—Studio Octet, valse "Vienna Life" (Strauss).
- 10.2 : God save the King.

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

- 3.0 : Selected recordings.
- 3.15: Talk under auspices of the Home Science Extension Department of Otago University, "Fruit-Preserving."
- 5.0 : Children's session, conducted by "Big Brother Bill."
- 6.0 : Dinner music session:
Berlin State Opera Orchestra, "Polonaise" (Liszt).
Violin—Isolde Menges, "Nocturne in E Flat" (Chopin).
- 6.15: Band—H.M. Coldstream Guards, "La Fille de Madame Angot" (Lecocq).
Piano—Mark Hambourg, "Rakoczy March" (Liszt).
John Barbirolli's Chamber Orchestra, "A Little Night Music, First Movement" (Mozart).
- 6.30: John Barbirolli's Chamber Orchestra, "A Little Night Music, Second, Third, and Fourth Movements."
Piano—Mark Hambourg, "On Wings of Song" (Mendelssohn).
- 6.45: Virtuoso String Quartet, "Londonderry Air" (arr. Bridge).
Violin—Isolde Menges, "Air on G String" (Bach).
Virtuoso String Quartet, "The Emperor" Quartet (Haydn).
- 7.0 : News session.
- 7.15: Talk, Mr. L. W. McCaskill, "Review of Journal of Agriculture."
- 8.0 : Chimes. Selection—Alexandre Glazounov and Orchestra, "Autumn" (from "The Seasons" Ballet—Glazounov).
- 8.13: Baritone—Mr. Arthur W. Alloo, (a) "Nelson's Gone a-Sailing" (Lohr), (b) "If You Would Love Me" (M'Druid), (c) "The Lute-Player."
- 8.23: Instrumental—4YA Studio Trio, "Trio in G Major" (Haydn).
- 8.35: Sketch—Winkel-Lampen Radio Players, (a) "A Restaurant Episode" (Lester), (b) "Two Scenes from School for Scandal" (Sheridan).
- 8.50: Soprano—Miss Dora Drake, (a) "Blackbird's Song" (Scott), (b) "The Enchanted Forest" (Phillips), (c) "Pale Moon" (Logan).
- 9.0 : Weather report and station notices.
- 9.2 : Instrumental—Studio Trio, (a) "Second Movement from Chaminade Trio" (Chaminade), (b) "Serenade" (Toselli), (c) "First Movement from Concerto in G" (Bach).
- 9.13: Contralto—Miss Betty Hamilton, (a) "When All Was Young and Pleasant" (Gounod), (b) "For Every Day" (Russell), (c) "Grant Us Thy Peace" (Hanblen).
- 9.23: Instrumental—Studio Trio, (a) "Nocturne in E Flat" (Chopin), (b) "Hungarian Dance in G" (Brahms).
- 9.30: Dance session:
Foxtrots—The Harmonians, "I'm in Seventh Heaven" (De Sylva).
The Knickerbockers, "Song of Siberia" (Lewis).
The Harmonians, "Used to You" (De Sylva).
Ernie Golden and His Orchestra, "Satisfied" (Friend).

- 9.42: Vocal—Eddie Walters, with piano and guitar, "Goodness Gracious, Gracie" (Abbott).
Foxtrots—Stellar Dance Band, "Dancing Goblin" Novelty Foxtrot.
Harry Reser's Syncopators, "The Flippity Flop" (Coslow).
Stellar Dance Band, "Giggling Goliwog" (Tilsley).
Waltz—Ben Selvin and His Orchestra, "I've Waited a Lifetime for you" (Edwards).
- 9.57: Duet—Ford and Glenn, "Where the Sweet Forget-me-nots Remember."
Foxtrots—Guy Lombardo and His Royal Canadians, "Then We canoodle-ooodle Along" (Woods).
Ben Selvin and His Orchestra, "Junior" (Donaldson).
The Midnight Revellers, "True Blue Lou" (Whiting).
Ipana Troubadours, "There Was Nothing Else to Do";
"Just a Glimpse of Paradise" (Kalmar).
- 10.15: Vocal duet—Pearce Brothers (Al and Cal), "If I Give Up the Saxophone" (Fain).
Foxtrots—Ben Selvin and His Orchestra, "Am I Blue?" (Akst).
The Midnight Revellers, "If I Had My Way" (Green).
Ted Florito and His Edgewater Beach Hotel Orchestra, "Candle-Light Lane" (Lewis).
Waltz—Frank Ferera's Hawaiian Trio, "Pagan Love Song" (Brow).
Foxtrot—Guy Lombardo and His Royal Canadians, "You Want Lovin'"
- 10.30: Vocal—Marie Burke, "The Song I Love" (De Sylva).
Foxtrots—Guy Lombardo and His Royal Canadians, "Here We Are."
Ted Florito and His Edgewater Beach Hotel Orchestra, "You've Never Been Blue" (Lewis).
Ted Lewis and His Band, "My Love Song" (Yoell).
- 10.45: Duet—The Two Gilberts, "Smith's Crisp Crisps" (Weston).
Foxtrots—Ray Starita and His Ambassadors Band, "Iz Izzy Azzy Wozzy" (A. le Clerq).
Harry Reser's Syncopators, "Piccolo Pete" (Baxter).
Waltz—Frank Ferera's Hawaiian Trio, "Ua Like a Noa Like."
- 11.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—WEDNESDAY, FEB. 4.

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

Thursday, February 5

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, FEBRUARY 5

- 3.0 : Gramophone recital.
- 3.30: Lecture—"Afternoon Tea and Beverages," arranged by the Home Science Extension Department of Otago University.
- 5.0 : Children's session, conducted by "Peter Pan."
- 6.0 : Dinner music session.
The London Orchestra, "Valse Memories" (arrgd. Somers).
Organ—Jesse Crawford, "La Borrachita" (Fernandez Esperon).
Bayreuth Festival Orchestra, "Siegfried Prelude Act 3" (Wagner).
- 6.15: Piccadilly Orchestra, "The Waltz Dream" (Strauss).
Marimba Band, "Morales Lopez" (Bolanos).
Royal Opera Orchestra, "Prelude the Huntless" (from "Sylvia Ballet").
- 6.30: 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).
- 6.45: Marek Weber's Orchestra, "Coner Brise" (Gillet).
Salon Orchestra, "Chanson Boheme" (Baldi).
Marimba Band, "Aguas Dormides" (Bolanos).
Band of H.M. Coldstream Guards, "The Belle of New York" (Kerker).
- 7.0 : News and market reports.
- 7.40: Talk—Mr. Elliott Davis, "Pig Industry."
- 8.0 : Chimes. March—The Orchestral Octet, under direction of Mr. Harold Baxter, "The Major" (Alford); Suite, "Three African Dances" (Ring), (a) "The Call to the Feast," (b) "Luleta's Dance" (c) "Dance of the Warriors."
- 8.12: Vocal quartet—The Savoy Male Quartet, "In Absence" (Buck).
Tenor—Mr. Frank Campbell, (a) "Until" (Sanderson); (b) "Charmaine" (Rapee).
- 8.21: Piano—Mr. Eric C. L. Bell, "Waltz in E Flat, Op. 18" (Chopin).
- 8.27: Baritone—Mr. Arthur Gally, (a) "The Cobbler" (Lohr); (b) "Myself When Young" (Lehmann).
- 8.34: Waltz—Orchestral Octet, "Passing of Salome" (Joyce); Morceau, "Liebestraum" (Liszt).
- 8.43: Elocution—Miss Joyce Hould, "Scene Between Sir Peter and Lady Teazle" (from "School of Scandal") (Sheridan).
- 8.51: Bass—Mr. S. Hislop, "The Mighty Deep" (Jude).
- 8.55: Novelty—Orchestral Octet, "The Sleep Waltz" (Brahm); Morceau, "Berceuse de Jocelyn" (Godard).
- 9.1 : Evening weather forecast and announcements.
- 9.3 : Selection—Band of H.M. Grenadier Guards, "Sir Harry Lauder Medley."
- 9.11: Male alto—Mr. Bert Skeels, (a) "The Blind Ploughman" (Clarke); (b) "Down in the Forest" (Ronald).
Vocal quartet—The Savoy Male Quartet, "Lovely Night" (Chwatal).
- 9.21: Piano—Mr. Eric C. L. Bell, "Scherzo in B Flat Minor" (Chopin).
- 9.26: Elocution—Miss Joyce Hould, "Who Won?" (Farjeon).

- 9.30: Selection—Orchestral Octet, "Belle of New York" (Kerker).
 9.40: Vocal quartet—The Savoy Male Quartet, "Inside Information" (Oakley).
 Bass—Mr. S. Hislop, "By the Light of the Moon" (Loughborough).
 Vocal—The Savoy Male Quartet, "Go Ask Papa" (Parks).
 9.50: Mouth organ—London Mouth Organ Band, (a) "The Royal Return" (Leslie); (b) "Joyous Greetings" (Leslie).
 9.56: Intermezzo—Orchestral Octet, "Gaelic Dream Song" (Foulds); "Daffodils" (Miles).
 10.4: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, FEBRUARY 5.

- 3.0: Chimes. Selected gramophone recordings.
 3.15: Lecturette—Miss I. F. Meadows, "Afternoon Tea and Beverages." Talk arranged by the Home Science Extension Department of the Otago University.
 3.20 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.
 Albert W. Ketelbey's Concert Orchestra, "Cockney Suite" (Ketelbey).
 (1) A State Procession (Buckingham Palace), (2) The Cockney Lover (Lambeth Walk), (3) At the Palais de Dance (Anywhere), (4) Elegy (Thoughts on Passing the Cenotaph).
 6.15: Albert W. Ketelbey's Concert Orchestra, "Cockney Suite, No. 5, Bank Holiday ('Appy' Amstead) (Ketelbey).
 Band of H.M. Grenadier Guards, "Radio—Quick March" (Pecking).
 Jack Payne and the B.B.C. Dance Orchestra, "Say It With Songs" Selection (de Sylva).
 6.30: Albert W. Ketelbey's Concert Orchestra, "Jungle Drums—Patrol" Organ—Emil Velazco, "Estrellita."
 Debroy Somers Band, "Hungarian Medley" (arrgd. Somers).
 6.45: Albert W. Ketelbey's Concert Orchestra, "By the Blue Hawaiian Waters" (Ketelbey).
 Organ—Emil Velazco, "La Golondrina."
 Band of H.M. Grenadier Guards, "Fighting Strength" (Jordan).
 7.0: News session, market reports and sports results.
 8.0: Chimes. Studio concert by the Wellington Artillery Band (Conductor, Capt. T. Herd), and 2YA artists. Overture—Band, "Golden Star."
 8.9: Contralto—Miss Ngaire Coster, (a) "Red Sarafan" (Wishaw); (b) "You Are My Darling" (Wishaw).
 8.16: Cornet—Sergt. W. H. Bowman, "Arizona Belle" (Rimmer).
 8.21: Vocal quartet—Ariel Singers, (a) "April is in My Mistress's Face" (Robertson); (b) "Ay Waukin O" (Robertson).
 8.28: Morceau—Band, "Mountain Echoes" (Hume).
 8.33: Tenor—Mr. Harry Brusey, (a) "Ask if You Damask Rose" (Handel); (b) "Maureen" (Robertson); (c) "Rosamond" (Poster).
 8.42: Mezzo-soprano—Miss Lilian Frith, (a) "Waiata Maori" (Hill); (b) "A Heart That's Free" (Robyn).
 8.48: Fantasia—Band, "Memories of Britain" (arrgd. Rimmer).
 9.0: Weather report and station notices.
 9.2: Selection—New Light Symphony Orchestra, "Prelude in C Sharp Minor."
 9.6: Two-step—Band, "Get Out and Get Under" (Hume).
 9.10: Soprano—Miss Jeanette Briggs, L.A.B., "Nightfall at Sea" (Phillips); "What's in the Air To-day?" (Eden); "When Cella Sings" (Moir).
 9.19: Medley—Band, "A Melodious Revue" (Rimmer).
 9.28: Bass—Mr. J. M. Caldwell, (a) "I Love the Jocund Dance" (Davies); (b) "Fortune Hunter" (Willeby).
 9.34: Duet—Miss Jeanette Briggs and Miss Ngaire Coster, "On the River."
 9.38: Waltz—Band, "Sumer Glory" (Greenwood).
 9.44: Selection—Red Nichols and His Orchestra, "Sally, Won't You Come Back?" (Buch-Stamper).
 9.52: Mezzo-soprano—Miss Lilian Frith, (a) "The Call of the Maytime" (Brahe); (b) "Pokare Kare" (Piripata).
 9.58: March—Band, "The Pathfinder" (Greenwood).
 10.2: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, FEBRUARY 5.

- 3.0: Gramophone recital.
 3.15: Lecturette—"Afternoon Tea and Beverages." Arranged by the Home Science Extension Service, Otago University.
 4.25: Sports results.
 5.0: Children's hour, conducted by Uncle Frank.
 6.0: Dinner music session.
 International Novelty Orchestra, "Emperor" (Strauss).
 Vienna Philharmonic Orchestra, "Ruins of Athens" (Beethoven).
 Organ—Sydney Gustard, "Poupee Valsante" (Poldini).
 International Novelty Orchestra, "Gold and Silver" (Franz Lehar).
 6.15: The Palladium Orchestra, "The Grasshoppers' Dance" (Bucalossi).
 Vienna Philharmonic Orchestra, "Turkish March" (Mozart).
 Band of H.M. Coldstream Guards, "Morning, Noon and Night" (Suppe).
 The Rhythmic Eight, "Neapolitan Nights" (Zamecnik).
 6.30: The Palladium Orchestra, "La Siesta" ("Barcarolle") (Norton).
 Zonophone Salon Orchestra, "Love's Garden of Roses" (Haydn-Wood).
 Organ—Sydney Gustard, "Un Peu d'Amour" (Silesu).
 Zonophone Salon Orchestra, "Mighty Lak a Rose" (Nevin).
 6.45: Marek Weber and His Orchestra, "Faust" Selection (Gounod).
 Band of H.M. Coldstream Guards, "Pique Dame" Overture (Suppe).
 7.0: News session.
 7.30: Review of January Issue of "Journal of Agriculture."

- 8.0: Chimes. Overture—Studio Instrumental Octet (Conductor, Harold Beck), "Fidelio" (Beethoven); Suite—"Nutcracker Suite," (1) Arab Suite, (2) Dance of the Sugar Plum Fairy, (3) Trepak.
 8.12: Quartet—Grand Opera Quartet, (a) "Praise of Spring" (Mendelssohn); (b) "Spring Song" (Mendelssohn).
 Soprano—Madame Gower Burns, (a) "Resolve" (Lassen); (b) "All Souls Day" (Lassen).
 Contralto and bass—Grand Opera Duo, "Oh! Wert Thou in the Cauld Blast" (Mendelssohn).
 Contralto—Miss Alice Vinsen, "Sink, Red Sun" (Del Riego).
 8.23: Instrumental—Studio Octet, (a), "Northern Song" (Schumann); (b), "Spanish Serenade" (Bizet).
 Violin and orchestra—Thelma Cusack and Orchestra, "Concerto in A Minor" (Accolay).
 8.36: Bass—Mr. J. Filer, "From Rushy Beds of Silver Nile" (Balfe).
 Tenor—Mr. Ernest Rogers, "Lend Me Your Aid" (Gounod).
 Contralto—Miss Alice Vinsen, "The Enchantress" (Hatton).
 8.49: Flute—Mr. A. E. Hutton, (a) "Aria" (John Lemmone); (b) "Andante."
 9.0: Weather forecast and station notices.
 9.2: Tenor—Mr. Ernest Rogers, "On with the Motley" (Leoncavallo).
 Bass—Mr. J. Filer, "Within Those Sacred Bowers" (Mozart).
 Soprano and tenor—Grand Opera Duo, "Dear Love of Mine" (Thomas).
 9.13: Instrumental—Studio Octet, "Concerto for Strings" (Vivaldi), (a), "Vigorous," (b) "Largo," (c) "Allegro."
 9.27: Soprano and contralto—Grand Opera Duo, "Sainted Mother."
 Grand Opera Quartet—"Alas that Spring" (Lehmann).
 9.30: Dance music.
 Foxtrots—Cova Cavaliers, "Right or Wrong, I'm Still in Love with You" (Gillespie).
 New Yorkers, "Go, Get 'Em, Caroline" (Cremare).
 Cova Cavaliers, "Have a Little Faith in Me" (Lewis).
 New Yorkers, "Love" (Goulding).
 9.42: Waltz—Al Hopkins Buckle Busters, "Marosovia Waltz" (Belcher).
 Foxtrots—New Yorkers, "Everything's Rosey Now" (Herschler).
 Jack Montrose Orchestra, "Egypt" (Costello).
 New Yorkers, "Harmonica Harry" (Phil Baxter).
 9.54: Vocal—Mildred Grizelle, "Under the Spell of the Moon" (Unger).
 9.57: Foxtrots—Zenith Knights, "Should I?" (Freed).
 Cova Cavaliers, "Those Old Sweethearts of Mine" (Menzi).
 Zenith Knights, "My Blue Ridge Mountain Home" (Robinson).
 Cova Cavaliers, "Like a Dream" (Rose).
 10.9: Polka—Al Hopkins and His Buckle Busters, "Polka Medley" ("Jenny Lind") (Traditional).
 Foxtrots—Carl Fenton and His Orchestra, "Sing, You Sinners."
 Zenith Knights, "We'll be Married in June" (Marchini).
 George Posnack and Orchestra, "Black Horse" (Tarto).
 10.21: Vocal—Tommy Weir, "Waiting Through the Night" (Tarto).
 10.24: Foxtrots—Broadway Players, "Watching My Dreams Go By" (Dubin).
 Carl Fenton and His Orchestra, "Keep on the Sunny Side."
 Zenith Knights, "Where the Golden Daffodils Grow" (Kahn).
 George Posnack and Orchestra, "Whip-poor-will" (de Voll).
 10.36: Waltz—Eight Radio Stars, "Always in My Heart" (Drew).
 Foxtrots—Carl Fenton and His Orchestra, "Apart from You."
 The New Yorkers Orchestra, "Because I'm Lonesome."
 10.45: Vocal—Mildred Grizelle, "So Sympathetic" (Kahn).
 10.48: Foxtrots—Cova Cavaliers, "Telling it to the Daisies" (Young).
 Carl Fenton and His Orchestra, "Exactly Like You."
 George Dobkins and His Orchestra, "Love Me in My Dreams."
 The New Yorkers Orchestra, "Ro, Ro, Rolling Along" (Moll).
 11.0: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, FEBRUARY 5.

SILENT DAY.

Friday, February 6

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, FEBRUARY 6.

- 3.0: Gramophone recital.
 3.30: Literary selection and further gramophone recordings.
 5.0: Children's session, conducted by "Nod" and "Aunt Jean."
 6.0: Dinner music session.
 The Classic Symphony Orchestra, "Raymond Overture" (Thomas).
 Band of the Garde Republicaine, "The Two Pigeons" (Messenger). 1—Entrance of Tziganes; 2—Scene and March of the Two Pigeons.
 6.15: Herman Finck's Orchestra, "Schubertiana" (arr. Finck).
 Piano with orchestra—Gil Dech, "It Happened in Monterey" (Rose).
 The Rhythmic Troubadours, "Song of the West" Selection (Youmans).
 6.30: London Theatre Orchestra, "Maid of the Mountains" Selection.
 Rhythmic Troubadours, "Puttin' on the Ritz" Selection (Berlin).
 Rio Novelty Orchestra, "Spaventa—Tango" (Pares).
 6.45: Herman Finck's Orchestra, "Schubertiana" (arr. Finck).
 Piano with orchestra—Gil Dech, "Ragamuffin Romeo" (de Costa).
 Rio Novelty Orchestra, "Mientras Lloro el Tango" (Barabine).
 7.0: News and market reports.
 8.0: Chimes. Special Studio Presentation of Besier's Three-act Play, "Don," by The Little Play Club, under the direction of Mrs. Zoe Bartley-Baxter. Cast: Canon Bonington, Lees Bullot; General Sinclair, Terry Agmen-Smith; Stephen Bonington, Bruce Elliott;

Albert Thompson, Norton Hammond; Mrs. Bonington, Peggy Hovey; Mrs. Sinclair, Mona Wallbank; Elizabeth Thompson, Joan Simpson; Fanny, Enid Hosking. Scene: The Drawing Room, Old-wich Rectory.

Overture—Marek Weber's Orchestra, "Tales from the Vienna Woods."
Act 1: Entr'acte—Royal Opera Orchestra, "Intermezzo and Valse Lente" (from "Sylvia Ballet") (Delibes).
Act 2: Entr'acte—Royal Opera Orchestra, "Prelude—The Huntress" (from "Sylvia Ballet") (Delibes).

Act 3: Selection—Berlin Philharmonic Orchestra, "Carnaval Romain."

10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, FEBRUARY 6.

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 the Story Book Lady.

6.0 : Dinner music session.

Reginald King and His Orchestra, "Song O' My Heart Selection."

Organ—Edward O'Henry, "Dream Lover" (Schertzing).
Marek Weber and His Orchestra, "Rustle of Spring" (Sinding).

6.15: Band of H.M. Coldstream Guards, "Faust" Selection (Gounod).
Marek Weber and His Orchestra, "Die Fledermaus" Selection.

6.30: Marek Weber and His Orchestra, "The Beggar Student" (Millocker).

Organ—Edward O'Henry, "Just as We Used to Do" (Rulli).

International Novelty Quartet, "Merry Widow Waltz" (Lehar).

6.45: Marek Weber and Orchestra, "My Darling Waltz" (Waldteufel).

National Symphony Orchestra, "The Barber of Seville" (Rossini).

International Novelty Quartet, "The Veleta" (Morris).

7.0 : News session, market reports and sports results.

8.0 : Chimes. Note.—This programme is subject to interruption to permit

of a relay of a Sound Film Feature from the Majestic Theatre.

Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "Cymbeline" (Gruenwald); "Waiting" (Romance) (Ancliffe); Valse, "Valse Blue" (Margis).

8.16: Soprano—Mrs. Amy Dunn, (a) "The Crystal Spring" (arr. Cecil Sharpe); (b) "Oh, No, John" (arr. Cecil Sharpe); (c) "The Lark in the Morn" (arr. Cecil Sharpe); (d) "Sunday" (Brahms).

8.27: Golden Hula Hawaiian Orchestra, (a) "Sweet Lei Lehua" (Kalakaua).
(b) "Apanui Maori Love Song" (Trad'l); (c) "Na Lei O Hawaii" (Trad'l); (d) "Fijian Farewell" (Merton).

8.42: Baritone—Mr. Harry Mitchell, (a) "Nirvana" (Adams); (b) "Invictus" (Huhn); (c) "Garden of Happiness" (Wood).

8.53: Bagpipes—Mr. Dick Fletcher, (a) "Scottish Marches" (Trad'l); (b) "Scottish Waltzes" (Trad'l).

9.0 : Weather report and station notices.

9.2 : Selection—2YA Orchestra, "Madame Pompadour" (Foulds); Song

March, "Myrella" (Berniaux).

9.17: Scottish soprano—Mrs. Jeannie Potts, (a) "Comin' Thro' the Rye" (Burns); (b) "My Heart is Sair" (Seirennue); (c) "We'd Better Bide a Wee" (Claribel).

9.26: Two-step—2YA Orchestra, "Princess Pocahontas" (Hoyt); Persian Dance, "Girl of the Orient" (Allen); Rag, "Sandy River Rag" (Allen); Foxtrot, "Only a Rose" (Friml).

9.36: Dance programme.

Foxtrots—The Rhythmic Eight, "I'm Doing What I'm Doing for Love."

The High Hatters, "Hoosier Hop" (Dreyer).

Jack Hylton and His Orchestra, "Button Up Your Overcoat"

Nat Shilkret and His Orchestra, "Chant of the Jungle."

Jack Hylton and His Orchestra, "My Lucky Star."

9.45: Vocal duet—The Duncan Sisters, "I'm Following You" (Dreyer).

Foxtrots—The High Hatters, "Look for the Silver Lining."

Rudy Vallee and His Connecticut Yankees, "You're Just

Another Memory" (Coots).

The High Hatters, "Wild Rose" (Grey).

Waring's Pennsylvanians, "Navy Blues" (Turk).

Leo Reisman and His Orchestra, "Happy Days Are Here

Again" (Yellen).

10.3 : Waltz—George Olsen and His Music, "Romance" (Leslie).

Foxtrots—Rudy Vallee and His Connecticut Yankees, "I Love You,

Believe Me, I Love You" (Cowan).

Nat Shilkret and His Orchestra, "Bigger and Better Than

Ever" (Friend).

Vocal—Daniel Haynes and Dixie Jubilee Singers, "Waiting at the End

of the Road" (Berlin).

10.15: Foxtrots—George Olsen and His Music, "After a Million Dreams."

New Mayfair Orchestra, "There's Room in My Heart."

Nat Shilkret and His Orchestra, "That Wonderful Some-

thing" (Goodwin).

New Mayfair Dance Orchestra, "I'll Be Getting Along."

The Rhythmic Eight, "I'm Feathering a Nest" (Yellen).

10.30: Waltz—Rudy Vallee and His Connecticut Yankees, "If You Were the

Only Girl in the World" (Grey).

Foxtrots—The High Hatters, "I'm Following You" (Dreyer).

Jack Hylton and His Orchestra, "The Banjo" (That man

Joe plays) (Porter).

Vocal duet—The Duncan Sisters, "Hoosier Hop" (Dreyer).

10.42: Foxtrots—Jackie Taylor's Orchestra, "A Night of Happiness."

Jack Hylton and His Orchestra, "Turn on the Heat."

Jack Taylor's Orchestra, "Sitting by the Window" (Conrad).

Jack Hylton and His Orchestra, "If I Had a Talking Picture

of You" (de Sylva).

George Olsen and His Music, "South Sea Rose" (Gilbert).

Leo Reisman and His Orchestra, "Lucky Me, Lovable You."

11.0 : God save the King.

3YA, CHRISTCHURCH (930 KILOCYCLES)—FRIDAY, FEBRUARY 6.

3.0 : Gramophone recital.

4.25: Sports results.

5.0 : Children's Hour, conducted by Chuckie.

6.0 : Dinner music session.

Royal Opera Orchestra, "Carmen" Entr'acte Act 4 and Ballet No. 1.

Piccadilly Orchestra, "My Beloved Gondolier" (Tibor).

London Symphony Orchestra, "Chanson De Matin" (Elgar).

Trio—Fritz and Hugo Kreisler, Michael Rauchaussen, "Marche Minia-

ture Viennois" (Kreisler).

6.15: National Symphony Orchestra, "Light Cavalry" Overture (Suppe).

Royal Opera Orchestra, "Carmen" Ballet No. 2 (Bizet).

Piccadilly Orchestra, "Souvenir Di Capri" (Becca).

6.30: Philadelphia Symphony Orchestra, "Invitation to the Waltz."

New Symphony Orchestra, "Pastoral Dance" (from "Nell Gwynn").

Trio—Fritz and Hugo Kreisler, Michael Rauchaussen, "Syncopation."

6.45: London Symphony Orchestra, "Chanson De Nuit" (Elgar).

Berlin State Opera Orchestra, "The Beautiful Galathea" Overture.

New Symphony Orchestra, "Country Dance" (from "Nell Gwynn").

7.0 : News session.

7.30: Dialogue—Messrs. D. Cossgrove and W. Melbourne, "Radio Service."

8.0 : Chimes. Overture—Band of H.M. Coldstream Guards, "Faust."

8.8 : The Melodious Quartet, "Puss, Puss, Pussy Cat" (from "Princess

Caprice") (Fall).

Tenor—Mr. Russell Sumner, "Take Your Time" (from "Princess

Caprice") (Fall).

8.16: Banjo—Mr. Stan Birch, "Medley of Popular Airs" (arr. Birch).

8.22: Mezzo-contralto, tenor and bass—Melodious Trio, "Anna! What's

Wrong With You?" (From "Princess Caprice") (Fall).

8.25: Piano—Miss Aileen Warren, "Cradle Song."

8.28: Mezzo-contralto and chorus—Miss Millicent Jennings, "Born To Rule."

8.31: Selection—Christchurch Broadcasting Trio, "Trio No. 5" (Carl Bohm)

8.41: Soprano and Chorus—Miss Frances Hamerton and Quartet, "The

Wedding Bell" (from "Princess Caprice") (Fall).

8.44: Humour—Mr. L. T. J. Ryan, "Bertam at the Bachelors' Club."

8.49: Harp—Mr. H. G. Glaysheer, "Ah Che Le Morte" (from "Il Trovatore").

8.55: Choral—Columbia Light Opera Company, "Ivan Caryll Memories."

8.59: Weather forecast and station notices.

9.1 : Selection—Berlin Philharmonic Orchestra, "Hungarian March"

9.5 : Soprano, mezzo-soprano and tenor, Melodious Trio, "Do You Like Me

Best" (Fall).

9.9 : Banjo—Mr. Stan Birch, "Medley—Gems of Erin" (tradl.).

9.13: Bass—Mr. T. D. Williams, "They All Come Under the Act" (Fall).

9.16: Piano—Miss Aileen Warren, "Devotion" (Schumann, arr. Liszt).

9.20: Soprano and Tenor—Melody Duo, "If You Were Mine" (Fall).

9.24: Instrumental—Broadcasting Trio, (a) "Medley" (Papini), (b) "Es-

trelita" (Ponce), (c) "Ballet Music" (Schubert).

9.34: Mezzo-contralto and bass—Melodious Duo, "Old Morgan and His Wife."

9.37: Harp—Mr. H. G. Glaysheer, "The Minstrel's Adieu to His Native Land."

9.43: Humour—Mr. L. T. J. Ryan, "Food" (Rutherford).

9.48: Selection—Berlin Philharmonic Orchestra, "Tannhauser March."

9.52: Chorus—The Melodious Quartet, "Market Chorus" (from "Masian-

ello") (Auber).

9.56: March—National Military Band, "Belphegor" (Brepant): March,

"Forward March" (Doppler).

11.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, FEBRUARY 6.

3.0 : Selected recordings.

5.0 : Children's Session, conducted by Aunt Shiela.

6.0 : Dinner music session.

Philadelphia Symphony Orchestra, "Carmen—Soldiers Changing

Guard" (Bizet).

Zonophone Salon Orchestra, "Evensong" (Easthope-Martin).

New Symphony Orchestra, "Minuet" (Boccherini).

Philadelphia Symphony Orchestra, "Carmen—March of the Smug-

glers" (Bizet).

6.15: National Military Band, "The Flying Dutchman Overture" (Wagner).

De Groot and Piccadilly Orchestra, "Waldteufel Memories."

6.30: Marek Weber's Orchestra, "I Pagliacci" (Leoncavallo).

Zonophone Salon Orchestra, "Eleanor" (Deppen).

New Symphony Orchestra, "Nell Gwynn Dance" No. 3 (German).

6.45: New Symphony Orchestra, "Le Old Ballet Music" (Massenet): 1. Cas-

tillance; 2. Aubade; 3. Andalouse; 4. Arragonaise; 5. Madrilene;

6. Navarraise.

7.0 : News session.

8.0 : Selection—New Symphony Orchestra, "Toy Symphony" (Romberg).

8.9 : Bass—Mr. F. Watt, (a) "There Was a Jolly Miller"; (b) "Temple

Bells" (Woodforde-Pinden).

8.15: Organ—Lew White, "California Sunshine" (Ford-Earl).

8.18: Recital—Mr. J. B. Flynn, (a) "The Ballad of Fishers" (Kipling);

(b) "Boarding House."

8.24: Selections—String Orchestra, (a) "No, No, Nanette" (Youmans), (b)

"Pirouette" (Finck).

8.38: Mezzo-soprano—Miss W. Collier, (a) "A Heart That's Free" (Robyn),

(b) "Little Dove" (Towne).

- 8.44: Bells—W. E. Jordan, "Country Dance" (Newton).
 8.47: Selection—String Orchestra, "Silhouette Dance" (Adam).
 8.51: Tenor—Mr. R. A. Mitchell, "Fairy Tales of Ireland" (Coates).
 8.54: Violin—Miss Betty Garland, "Melody" (Paderewski-Kreisler).
 8.57: Contralto—Miss G. Burt, "The Ships of Arcady" (Head).
 9.0: Weather report and station notices.
 9.2: Selection—St. Louis Symphony Orchestra, "Fingal's Cave."
 9.10: Mezzo-soprano—Miss W. Collier, "Till I Awake" (from "Love Lyrics").
 9.13: Harpsichord—Wanda Landowski, "Turkish March" (Mozart).
 9.17: Recital—Mr. J. B. Flynn, "A Scotch Night" (Gilrie).
 9.23: Selection—String Orchestra, (a) "Rose Marie" (Friml), (b) "Student Prince" (Romberg).
 9.37: Tenor—Mr. R. A. Mitchell, "Yeoman's Wedding Song" (Poniatowski); (b) "What a Wonderful World It Would Be" (Lohr).
 9.43: Valse—String Orchestra, "Samoa Love" (Middleton).
 9.48: Contralto—Miss G. Burt, (a) "The Valley of Laughter" (Sanderson), (b) "A Little Coon's Prayer" (Hope).
 9.54: 'Cello—Mr. P. Palmer, "Autumn Flower" (Popper).
 9.58: Bass—Mr. F. Watt, "The Admiral's Broom" (Bevan).
 10.1: God save the King.

Saturday, February 7

IYA, AUCKLAND (900 KILOCYCLES)—SATURDAY, FEBRUARY 7.

- 3.0: Gramophone recital.
 3.30: Literary selection, and further gramophone recordings.
 5.0: Children's session, conducted by Cinderella.
 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).
 6.15: New Concert Orchestra, "Life in Vienna" (Karl Komzak).
 Military Band (of specially selected musicians) "The Guards' Patrol."
 Dinicu and His Orchestra, "Crepuscle Tango" (Bianco).
 6.30: J. H. Squire's Celeste Octet, "Traume" (Wagner arr. Willoughby).
 Gustav Holst, conducting the London Symphony Orchestra, "Mars—Mars Song" (Gustav Holst).
 J. H. Squire's Celeste Octet, "Albumbblatt" (Wagner).
 The Elite Dance Orchestra, "In Einer Konditorei—Tango."
 6.45: Regimental Band of H.M. Grenadier Guards, "Sylvia Ballett" (Delibes), (a) "Valse Lente," (b) "Pizzicato," (c) "Barcarolle," (d) "March."
 Halle Orchestra, "Londonderry Air" (Hamilton Harty).
 7.0: News and market reports.
 8.0: Chimes. Oriental March—Orchestral Octet, under direction Harold Baxter, "The Khan" (Burgess): Overture—"Pique Dame."
 8.10: Soprano—Miss Nance Macklow, (a) "Somewhere a Voice is Calling" (Tate); (b) "Sweet Mystery of Life" (from "Naughty Marietta").
 8.16: Organ and cornet—Arnold Grier, "Softly Awakes My Heart."
 8.20: Humour at Piano—Mr. Dan Flood, (a) "I Lift Up My Finger" (Sarony); (b) "She Powders Her Nose" (Miersch).
 8.27: Selection—Orchestral Octet, "Gipsy Love" (Lehar).
 8.37: Contralto—Miss Janet Brash, (a) "Callers Herrin" (Gow); (b) "In An Old Fashioned Town" (Squire).
 8.43: Guitar—Walter Kolomuk's Honoluluans.
 8.51: Baritone—Mr. Leo. O'Malley, (a) "Rest Thee, Sad Heart" (Del Riego); (b) "Mifanwy" (Foster).
 8.56: Waltz—Orchestral Octet, "Tesoro Mio" (Becucci).
 9.2: Evening weather forecast and announcements.
 9.4: Soprano—Miss Nance Macklow, (a) "Come, Sing To Me" (Thompson), (b) "Wonderful One" (Whiteman).
 9.10: Selection—Novelty Orchestra, (a) "Ginger Snaps" (Bourdon), (b) "Danse Bagatelle" (Bourdon).
 9.16: Humour—Mr. Dan Flood, "Topsy at the Turkish Bath" (Herbert).
 9.20: Suite—Orchestral Octet, "A Doll's House" (Engleman): (a) "The Clock-work Two-Seater," (b) "The Green Baize Lawn," (c) "The Blue Boudoir," (d) "The Miniature Piano," (e) "The Sleeping Doll."
 9.34: Contralto—Miss Janet Brash, (a) "Sunshine and Rain" (Blumenthal), (b) "The Carnival" (Molloy).
 9.40: Mandolin—Mandolin Concert Society, "Echoes of the Volga."
 9.48: Baritone—Mr. Leo. O'Malley, (a) "The Deathless Army" (Trotiere), (b) "The Girls of Kildare" (French).
 9.54: Intermezzo—Orchestral Octet, "Admiration" (Jackson): "A Japanese Sunset" (Deppen).
 10.0: Programme of Dance Music from the Studio.
 Foxtrots—Jesse Stafford and His Palace Hotel Orchestra, "Sophomore Prom" (Klages).
 Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Reach Out For a Rainbow" (Conrad).
 Irving Mills and His Hotsy Totsy Gang, "My Little Honey and Me" (Hackforth).
 Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Parade of the Blues" (Conrad).
 10.12: Vocal—David McAlpin, "Paddy McGinty's Goat" (Weston).
 10.15: Foxtrots—Herbert Gordon and His Hotel Ten Eyck Whispering Orchestra, "I Could Do It For You" (Conrad),

- Dan Russo and His Oriole Orchestra, "Wouldn't It Be Wonderful" (Clarke).
 Herbert Gordon and His Hotel Ten Eyck Whispering Orchestra, "Hard To Get" (Meyer).
 10.24: Waltzes—Carter's Orchestra, "Missouri Moon" (Parrish Lodge).
 Eddy Shaw's Hawaiians, "Sweetheart of the Tropical Sea."
 Foxtrots—Hal Kemp and His Orchestra, "H'Lo Baby" (Magidson).
 Red Nicholl and His Strike up the Band, "Strike Up The Band" (Gershwin).
 10.36: Vocal—David McAlpin, "The Garden Where the Parties Grow."
 Foxtrots—Hal Kemp and His Orchestra, "A Little Kiss Each Morning."
 Red Nicholls and His 'Strike up the Band' Orchestra, "Soon" (Gershwin).
 Waltz—Eddy Shaw's Hawaiians, "Under the South Sea Moon."
 10.48: Carter's Orchestra, "Daddy's Lullaby" (De Voll).
 Foxtrots—Bob Haring and His Orchestra, "Love Made a Gypsy Out Of Me" (Phillips).
 Hal Kemp and His Orchestra, "I Love You, Believe Me I Love You" (Cowan-Bartholomae).
 Bob Haring and His Orchestra, "Georgia Pines" (Trent).

11.0: God save the King. 2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, FEBRUARY 7.

- 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.
 Dajos Bela Orchestra, (a) "Sulimith" (Hansen-Milde); (b) "Mignonette" (Nicholls); "Eldgaffeln" (Landen).
 6.15: Frank Westfield's Orchestra, "Classica" (arr. Tilsley).
 Organ—Sigmund Krumgold, "Indian Love Call" (Friml).
 Dajos Bela Orchestra, "You, Only You" (Arnold).
 6.30: Rale da Costa Ensemble, "Funny Face" (Gershwin).
 Dajos Bela Orchestra, "The Sphinx" (Popy).
 6.45: Orchestra Mascotte, (a) "The Flowers' Dream" (Translateur); (b) "Whispering of the Flowers" (von Blon).
 Organ—Sigmund Krumgold, "Gypsy Love Song" (Herbert).
 Dajos Bela Orchestra, "Electric Girl" (Helmbergh-Holmes).
 7.0: News session, market reports and sports results.
 8.0: Chimes. Overture—Salon Orchestra (Conductor, Mr. M. T. Dixon), "The Sunshine Girl" (Rubens).
 8.9: Tenor—Mr. Sam Duncan, "I Arise From Dreams of Thee" (Salaman).
 Vocal quartette—Melodie Four, "Lullaby" (Brahms).
 8.16: Mandola—Mr. Lad Haywood, (a) "You Brought a New Kind of Love" (from "The Big Pond") (Kahal-Fain-Norman); (b) "One More Waltz" (from "Love in the Rough") (McHugh).
 8.23: Scene from "Bleak House" (Dickens), "Middle. Hortense Visits Mr. Tulkinghorn." Characters: Snagsby, H. Dixon; Mr. Tulkinghorn, R. McKenzie; Middle. Hortense, Tai Hall.
 8.38: Morceau—Salon Orchestra, "Sanctuary of the Heart" (Ketelbey); "Serenata" (Toselli).
 8.46: Vocal quartet—Melodie Four, "Sing a Little Love Song" (Conrad).
 Bass—Mr. W. W. Marshall, "The Miller of Winchelsea" (Dix).
 8.53: Organ—Jesse Crawford, (a) "Why Can't You?" (Jolson); (b) "Little Pal" (Jolson).
 8.59: Weather report and station notices.
 9.1: Novelty—Salon Orchestra, "The Clock is Playing" (Blaauw).
 Saxophone—Mr. W. J. Haimes, "Macushla" (McMurrrough).
 9.9: Baritone—Mr. R. S. Allwright, "The Irish Orchestra" (Till).
 9.13: Mandolin—Mr. Lad Haywood, (a) "Here Comes the Sun" (Woods); (b) "Ro-ro-Rolling Along" (Mencher).
 9.20: Scene from "Oliver Twist" "In the Thieves' Kitchen" (Dickens).
 Characters: Fagin, R. McKenzie; Bill Sikes, H. Dixon; Charley Bates, A. C. Haswell; Artful Dodger, E. Upchurch; Oliver, Q. Harper; Nancy, Mrs. N. Crutenden.
 9.35: Selection—Salon Orchestra, "Beauty Prize" (Kern).
 9.43: Tenor—Mr. Frank Bryant, "Love's Garden of Roses" (Wood).
 Quartet—Melodie Four, "Please Won't You Be My H-M" (Dore).
 9.50: Salon Orchestra, "Dance Novelities."
 10.0: Dance programme.
 Foxtrots—Abe Lyman and His California Orchestra, "Another Night."
 Meyer Davis' Hotel Astor Orchestra, "If I Had My Way."
 Abe Lyman and His California Orchestra, "I'm Only Making Believe" (Davis).
 Chic Scoggin and His Pla-mor Orchestra, "If I Could Write a Song" (Fulcher).
 Waltz—Meyer Davis' Hotel Astor Orchestra, "There Must be Somebody Waiting for Me" (Donaldson).
 10.15: Foxtrots—Jesse Crawford and His Orchestra, "The Prep Step."
 Irving Mills and His Hotsy Totsy Gang, "Manhattan Rag."
 Jesse Stafford and His Orchestra, "My Sweeter Than Sweet."
 Vocal—Chester Gaylord, "Dance Away the Night" (Thompson).
 Foxtrots—Irving Mills and His Hotsy Totsy Gang, "What Kind of a Man is You" (Carmichael).
 Tom Gerun and His Orchestra, "One Sweet Kiss" (Jolson).
 Jack Denny and His Mount Royal Hotel Orchestra, "The End of the Lonesome Road" (Ruby).
 Waltzes—Abe Lyman and His California Orchestra, "If I'm Dreaming" (Dubin); "The Shepherd's Serenade" (Grey).
 10.42: Vocal—Chester Gaylord, "Just You, Just Me" (Klages).
 Foxtrot—Tom Gerun and His Orchestra, "Some Day Soon."
 Jack Denny and His Mount Royal Hotel Orchestra, "Scotchie" (White).

Abe Lyman and His California Orchestra, "Sally" (Dubin, Burke); "If He Cared" (Grey).

Ohie Scoggin and His Pla-mor Orchestra, "She Chills Me."

11.0 : Sporting summary.

11.10 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, FEBRUARY 7.

3.0 : Gramophone recital.

4.25 : Sports results.

5.0 : Children's hour, conducted by "Aunt Pat," "Sunny Jim," and "Jack Frost."

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).

6.15 : Court Symphony Orchestra, "The Gondoliers" (Sullivan).

Paul Whiteman's Orchestra, "Gipsy" (Gilbert).

6.30 : Albert Sandler's Orchestra, "Chalita" (Schertzinger).

Padilla's Marimba Serenaders, "Parce" (Padilla).

Piano—Gil Dech, "Sometimes I'm Happy" (Youmans).

Royal Serbian Tambouritz Orchestra, "Serbian Melody."

6.45 : Intermezzo—Kefelbey's Orchestra, "Bells Across the Meadow."

Rio Marimba Serenaders, "Dolores" Waltz (Waldteufel).

Organ—G. T. Pattman, "Worryin'" Waltz (Fairman).

March—National Military Band, "Stars and Stripes" (Souza).

7.0 : News session.

7.30 : Sports results.

8.0 : Chimes. Overture—National Symphony Orchestra, "The Barber of Seville" (Rossini).

8.6 : Tenor—Mr. Chas. J. Williamson, (a) "Deep in My Heart" (from "The Student Prince"—Romberg), (b) "Mignonette" (Harris), (c) "Rose Marie" (Friml).

8.18 : Pianoforte novelty items—Miss Maisie Ottey, (a) "Nanette" (Lopez), (b) "Black Key Kapers" (De Rienzo), (c) "The Jazz Minstress" (Mayerl), (d) "High Hat" (Alter).

8.28 : Cabaret song at the piano—The Joyous Pair, (a) "With You" (Berlin), (b) "You've Brought a New Kind of Love to Me" (Fain), (c) "Up in the Clouds" (Kalmar and Ruby), (d) "Roll, Roll, Rolling Along" (Monahan).

8.40 : 'Cello—Mr. Harold Beck, (a) "Skye Boat Song" (Rowley), (b) "Minuetto" (Becker).

Selections—Christchurch Broadcasting Trio, (a) "Love Song" (Cadman), (b) "Air de Ballet" (Adam), (c) "Hungarian Dance No. 3" (Brahms).

8.56 : Choral—Columbia Light Opera Company, "Paul Rubens Memories."

9.0 : Weather forecast and station notices.

9.2 : Novelty—Chas. Coborn and Company, "An Old-Time Sing-Song."

9.10 : Soprano—Miss Cicely Audibert, (a) "C'est Vous" (Richman), (b) "Dream Lover" (from "The Love Parade"—Schertzinger), (c) "I Love You Truly" (Jacobs Bond), (d) "I'll Always Be In Love."

9.22 : Cornet—Mr. R. Ohlsen, (a) "Neath Austral Skies" (Code), (b) "Lay My Head Beneath a Rose" (Falkenstein).

9.32 : Humour—Mr. Jock Lockhart, (a) "The Peaceable Army" (Tabrar), (b) "After All" (West Hylton), (c) "I Miss the Misses" (Sullivan).

9.44 : Instrumental—Broadcasting Trio, (a) "Waltz" (Carreno), (b) "Melody in F" (Rubinstein), (c) "Presto" (Hemmel).

9.57 : Vocal quartet—The Peerless Quartet, "In the Sweet By-and-By."

10.3 : Dance music:

Foxtrots—Jack Payne and His B.B.C. Dance Orchestra, "The Punch and Judy Show" (Black).

O'Leary's Irish Minstrels, "The Pigeon on the Gate."

Jack Payne and His B.B.C. Dance Orchestra, "Crazy Pirouette" (Frisk).

Waltz—O'Leary's Irish Minstrels, "My Wild Irish Rose."

10.12 : Foxtrots—Ray Starita and His Ambassadors Band, "My Dream Memory" (Clare).

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

Vocal—Len Maurice, "A Little Kiss Each Morning" (Woods).

10.21 : Foxtrots—The Four Bright Sparks, "Hard to Get" (Meyer).

Ben Selvin and His Orchestra, "How Am I to Know?"

Guy Lombardo and His Royal Canadians, "Singin' in the Bathtub" (Magidson).

10.30 : Waltz—Will Osborne and His Orchestra, "There Will Never Be Another Mary" (Ager).

Foxtrots—Guy Lombardo and His Royal Canadians, "A Little Kiss Each Morning" (Woods); "Under a Texas Moon" (Perkins).

10.39 : Vocal—Len Maurice, "Gay Love" (Clare).

Waltzes—Paul Whiteman and His Orchestra, "It Happened in Monterey" (Yellen).

Moana Orchestra, "My Hawaiian Isles" (Noble).

10.48 : Foxtrots—The Four Bright Sparks, "The Kerb Step" (Knox).

Paul Whiteman and His Orchestra, "Song of the Dawn."

Moana Orchestra, "Dreamy Hula Town" (Collins).

Ted Lewis and His Band, "Lady Luck" (Perkins).

11.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, FEBRUARY 7.

3.0 : Selected recordings.

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

6.0 : Dinner music session.

Edith Lorand's Orchestra, "Johann Strauss" Fantasia (Strauss).

Piano and Orchestra—Raie da Costa and Orchestra, "When Day is Done" (de Sylva).

6.15 : Hawaiian—David Kailh, "Honolulu March."

Organ—Leslie Harvey, "Where the Shy Little Violets Grow" (Warren).

Dajos Bela Orchestra, "The Grenadiers" (Waldteufel).

Saxophone—Arnold Brilhart, "Fascination" (Bernie).

6.30 : Dajos Bela Orchestra, "Polish Life" (Nedbal).

Piano and orchestra—Raie da Costa and Orchestra, "Sweetheart, I'm Dreaming of You" (Carter).

Dajos Bela Orchestra, "Dancing Demoiselle" (Fall).

6.45 : Edith Lorand's Orchestra, "Dollar Princess" (Fall).

Dajos Bela Orchestra, "Casino Tanze" (Gungl).

7.0 : News session.

8.0 : Relay of vaudeville programme from 3YA, Christchurch.

10.0 : Dance session.

Foxtrots—George Posnack and Orchestra, "Punch and Judy."

Zenith Knights, "Eyes of Blue" (Albin).

Carl Fenton and His Orchestra, "What Is This Thing Called Love?" (Cole-Porter).

Waltz—Cova Cavaliers, "Louisiana Moon" (Walter Donaldson).

10.12 : Foxtrots—New Yorkers, "If I Were King" (Robin).

Zenith Knights, "Get Yourself a Sweetie" (Meskill).

Carl Fenton and His Orchestra, "The Stein Song."

Jack Montrose and Orchestra, "Valparaiso" (Allen).

10.24 : Vocal—Tommy Weir, "That's When I Learned to Love You."

10.27 : Foxtrots—New Yorkers, "Happy Days are Here Again" (Ager); "Kicking a Hole in the Sky" (Rose-MacDonald); "Fireworks."

10.36 : Waltz—Cova Cavaliers, "Sweet Kentucky Nights" (Herscher).

Foxtrots—Carl Fenton and His Orchestra, "Won't Cha" (Razaf-Deniker); "That's When I Learned to Love You" (Costello).

10.45 : Vocal—Tommy Weir, "There's Danger in Your Eyes, Cherie."

10.48 : Foxtrots—New Yorkers, "Let Me Sing and I'm Happy" (Irving-Berlin).

Carl Fenton and His Orchestra, "Night Time is Love Time."

Zenith Knights, "Hanging on a Garden Gate" (Florito).

Carl Fenton and His Orchestra, "If He Cared" (Grey).

11.0 : God save the King.

Sunday, February 8

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, FEBRUARY 8.

3.0 : Selected gramophone recordings.

3.30 : Literary selection, and further gramophone recordings.

6.0 : Children's Song Service, conducted by Uncle Bert.

6.55 : Relay of Divine Service from St. Andrew's Church. Preacher, Rev. Ivo Bertram. Organist, Dr. Neil McDougall.

9.30 : Relay from Albert Park of concert by the Auckland Municipal Band, under the conductorship of Mr. George Buckley.

10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, FEBRUARY 8.

3.0 : Selected gramophone recordings.

6.0 : Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from the Island Bay Baptist Church.

7.0 : Relay of Evening Service from the Terrace Congregational Church. Preacher, Rev. H. W. Newell. Organist and Choirmaster, Mr. H. Brusey.

8.20 : (approx.) Studio concert by the Band of the Wellington Division of the Royal Naval Volunteer Reserve (by permission of the Commanding Officer) and 2YA artists.

Hymn—Band (Conductor, Petty Officer H. Baker), "Holly" (Etherington); March—"Knellar Hall" (Greenwood).

Tenor—Mr. James Fordie, "Serenata" (Toselli).

Selection—Band, "H.M.S. Pinafore" (Sullivan).

Soprano—Miss Myra Sawyer, (a) "Sing, Joyous Bird" (Phillips); (b) "The Tryst" (Sibelius).

Waltz—Band, "Moonlight" (Pecorini).

Weather report and station notices.

Piano—Miss Molly Withers, "Polonaise" (MacDowell).

Selection—Band, "Pirates of Penzance" (Sullivan).

Vocal duet—Miss Myra Sawyer and Mr. Wm. Boardman, "The Garden of Your Heart" (Dorel).

Tenor—Mr. James Fordie, "How Lovely are Thy Dwellings" (Liddle).

March—Band, "Powerful" (Carter).

Baritone—Mr. Wm. Boardman, (a) "Don Juan's Serenade" (Tschalkowsky); (b) "A Hundred Fathoms Deep" (Linter).

Anthem—Band, "Adoration" (Linter).

March—Band, "Great Little Army" (Alford).

10.0 : (approx.) God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, FEBRUARY 8.

3.0 : Gramophone recital.

5.30 : Children's Song Service by children of the Salvation Army.

6.15 : Chimes from Studio.

6.30 : Musical recordings.

- 7.0 : Relay from Christchurch Anglican Cathedral. Preacher: His Grace Archbishop Averill. Organist and choirmaster, Dr. J. C. Bradshaw.
- 8.15 (Approx.)—Relay from a city band rotunda of a programme by Christchurch Municipal Band (Conductor, J. Noble), assisted by 3YA Artists.
- March—Band, "Dunedin" (Alford); Waltz, "Reflections" (Bordogni).
- 8.28: Baritone—Mr. Leslie Fleming, (a) "Under the Hammer" (Arundale) (from "Suite of Old Furniture"); (b) "The Sea Road" (Wood).
- 8.34: Violin—Mr. Roy Murphy, (a) "Cavatina" (Raff); (b) "Salut D'Amour."
- 8.40: Soprano—Miss Addie Campbell, (a) "Ave Maria" (with violin obligato by Mr. Roy Murphy) (Mascagni); (b) "A Heart That's Free."
- 8.46: Fantasia—Band, "A Darkey's Dreamland" (Bidgood).
- 8.52: Baritone—Mr. Leslie Fleming, "When Shadows Gather" (Marshall).
- 8.56: Duo cornet polka—"Jupiter and Mars" (Bulch).
- 9.1 : Weather forecast and station notices.
- Violin—Mr. Roy Murphy, "Humoresque" (Dvorak).
- Two-step—Band, "A Coon's Day Out" (Baynes).
- Xylophone solo—Mr. T. Atkinson (with band accompaniment), "Chu Chin Chinese" (Green).
- Soprano—Miss Addie Campbell, (a) "Here's to Love and Laughter" (from "The Sunshine Girl") (Rubens); (b) "Jest Her Way."
- Indian intermezzo—Band, (a) "Silver Bell" (Wenrich); (b) "Unity."

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, FEBRUARY 8.

- 8.0 : Selected recordings.
- 8.30: Children's session, conducted by Big Brother Bill.
- 6.15: Selected recordings.
- 6.30: Relay of Evening Church Service from St. John's Anglican Church. Preacher: Ven. Archdeacon Fitchett, M.A.
- 7.45: (Approx.)—Selected recordings.
- 8.15: Studio programme by St. Kilda Band, under conductorship of Mr. Jas. Dixon, assisted by 4YA Artists. March—Band, "Ravenswood" (Rimmer); Valse, "Tesoro Mio" (Beeucci).
- 8.29: Tenor—Mr. Alfred Walmsley, (a) "The Magic of Thy Presence" (Quilter); (b) "The Grey House" (Messenger).
- 8.34: Choral—Don Cossacks Choir, (a) "Save O Lord Thy People" (Tschesnokoff); (b) "Safeguard O Lord" (Tschesnokoff).
- 8.42: Mezzo-soprano—Miss Estelle Burnard, "The Holy Child" (Luther).
- 8.46: Selections—Band, "Tschalkowsky" (arr. Rimmer).
- 9.1 : Weather report and station notices.
- 9.3 : Selection—Berlin Philharmonic Orchestra, "Carnaval Romain."
- 9.11: Tenor—Mr. Alfred Walmsley, (a) "Thou Art Risen My Beloved" (Coleridge-Taylor); (b) "Sunday" (Carew).
- 9.17: Cornet—Mr. G. Christie, "Abide With Me" (Liddle).
- 9.25: Organ—G. T. Pattman, (a) "Prelude in C Sharp Minor" (Rachmaninoff); (b) "Humoresque" (Dvorak).
- 9.33: Mezzo-soprano—Miss Estelle Burnard, (a) "Dedication" (Sparrow); (b) "Sleep and the Roses" (Tate).
- 9.39: Selection—Band, "Harmonious Scenes" (Rimmer).
- 9.49: Choir—Three Valley's Festival Choir, (a) "Jesu, Gylfai! Fena!d I" (Evans); (b) "Joanna" (Rhys).
- 9.55: March—Band, "Dunedin" (Alford).
- 10.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, FEBRUARY 8.

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

SILVER-MARSHALL SRADIO M EXTRAORDINARY

These complete console receivers are now available.
The receivers employ the most modern features in radio design, incorporating:—

FOUR SCREEN GRID BAND PASS
SELECTOR, DYNAMIC SPEAKER.
BUILT-IN AERIAL, FREE FROM
"HUM."

Official S.M. franchised dealers for Wellington City
ELECTRICAL SUPPLIES, LTD.,
37 LOWER CUBA STREET.

Listen to 2YA

(Continued from page 3.)

In 1921, Dr. Ormandy went to America with the intention of making a concert tour of the country. He was, however, immediately engaged as concert master and soloist of the Capital Theatre Orchestra.

In 1925, he was appointed first associate conductor of the Capital Theatre Orchestra. He remained there until May, 1929, when he resigned to devote all of his time to the radio.

MR & MRS. LOCKHART will present an amusing sketch entitled "Abroad With the Lockharts," descriptive of a trip to Europe. Gene Lockhart is a composer, author, actor, stage director, and producer. He has many song hits to his credit, among them being "The World is Waiting for the Sunrise." Mrs. Lockhart is an English woman, a graduate of the Royal College of Music, London, and an actress with a reputation earned on the English stage before she went to America to fulfil a theatrical contract. "Abroad with the Lockharts" abounds with witty dialogue.

From the International Singers, listeners will be treated to a number of good songs. Their items will include "Little David," "Sylvia," "Rolling Down to Rio," "Drink to me Only," "On Wings of Song," and "Russian Folk Song." The International Singers are considered by leading critics of the radio and broadcasting world to be one of the best male quartets singing over the air, and were called by one critic "The Aristocrats of the Air." They are constantly in demand for radio appearances, due to the very high type of programme which they sing and which the radio public is demanding now more than ever before. The four singers comprising this remarkable ensemble are well known artists in the American concert field. They are Victor Edmunds, tenor; George Rasely, tenor; Erwyn Mutch, baritone; and James Davies, basso, all soloists of marked ability, having studied both in America and abroad with the best masters. Thomas Griselle, their pianist and arranger, was winner of the £2500 Victor prize for his composition, "Two American Sketches," and has been conductor of several outstanding radio hours.

IN Hy Wide and Handsome, who will present a turn of novelty, humorous patter, and good music, listeners will be treated to a duo well worth listening to. This is the story of Hy Wide, a cowboy, who decides to abandon the rigours of a cowboy's life for the life of a gentleman of leisure. Equipping himself with a valet in the form of one Handsome Flowers, a coloured itinerant Knight of the Road, he set forth in the wide world to woo romance and adventure. A modern Don Quixote in chaps with Sancho Panza in burnt cork. All the popular classical ballads of the West are sung by the superior singing voice of Handsome Flowers.

The part of Hiram Wide is taken by Dacca, probably the most widely known, most versatile, popular concert and radio artist in America to-day. Graduate of the University of Illinois, he has composed songs in six different languages, and rendered them at all of his concerts with the utmost distinction. He has the signal honour of being the only male pupil that the great Emma Calve ever accepted. He has toured the world,

John Tucker Battle, who plays Handsome—and who is the author of Hy Wide and Handsome series—has played leading parts at the Plymouth Theatre, the Mayfair, the President, and other New York theatres. Mr. Battle was born in Texas, and has travelled extensively through the Southern States and the West Indies studying Negro Dialects, superstitions, religions, and "Folk Ways." He has written many negro spirituals, and is the author of many radio sketches, playlets, and plays.

"The Ambassadors of Melody Land" will, as their name suggests, provide a programme of the lighter type. It will be a fifteen minutes' musical programme, of a continuity nature, featuring one of the most famous radio and recording orchestras in America, with a first-class cast of singers, comedians, comedienne, quartets, trios, duos, etc. They will present a programme of some of the best of popular music in America. The star vocalist of the party is Mr. Al Shayne, who will sing a humorous number, "Mysterious Mose." Mr. Shane has toured Britain and the Continent, and is claimed to be the first real American singer of popular songs to attain any success in Europe. He is an outstanding figure as a radio singer.

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

9d. Each, Posted.
Posted in Cardboard Tube.
Printed on Heavy White Paper.
Box 1032, Wellington.

FOR SALE OR EXCHANGE

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

"MIRACO" five-valve single dial set complete with "B" battery eliminator, "A" storage battery and charger, for £20; a snap. Apply "Miraco," C/O Box 34, Waimata.

WHEN you bathe, do men admire you? Slenderise your figure with Youth-O-Form Capsules. 6/6 posted. A. C. Timms, Chemist, Pahiataua.

SHORT-WAVE Receiver, R.W., two Radiotron 221 Valves, 6-volt Accumulator, all batteries, phones, etc. Verifications from New York, Manila, etc. £7/10/- complete. B. Gifford, Te Awa-mutu.

WHY be stout when you can reduce 20lb. permanently in 6 weeks with Youth-O-Form Capsules. 6/6 posted. A. C. Timms, Chemist, Pahiataua.

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

OBESITY! Why endure discomfort when you can reduce 20lb. 6 weeks with Youth-O-Form Capsules. 6/6 posted. A. C. Timms, Chemist, Pahiataua.

£26 Triple Screen-Grid Metrodyne Chassis and Dynamic, less valves. Powerful, easily tuned, Phono. Connection. 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.

AERIAL Wire, 100ft., 3/-; Tinned, 3/6; Heavier, 4/9. 5/6, 6/-, 7/-. Lead-ins, 25ft., 2/-. R. H. Co., 553 Colombo Street, Christchurch.

N.Z. Short-wave Club.

FOLLOWING the report last week that a short-wave club is being formed in Wellington, a number of enquiries have been received. All who would like to join this organisation for the mutual benefit of all short-wave listeners are invited to send along any suggestions they care to make, which will be discussed at a meeting to be held soon. Address letters to Mr. A. B. McDonagh, 274 Cuba Street, Wellington, or to Mr. F. W. Sellens, 7 Randwick Road, Northland, Wellington.

Notes and News.

Radio Club of Brazil.

ANOTHER short-wave station to be logged is at Rio de Janeiro (Brazil) on 31.75 metres. Transmissions are made daily between 10 a.m. and noon, New Zealand summer time. The station is operated by the Radio Club of Brazil.

Short-wave Stations at Saigon.

BESIDE the short-wave station F8, 1CD, better known as "Radio Saigon," on 49 metres, there are two other stations at Saigon. One is the Government owned and operated station working on 24.91 metres for telegraph and telephone working with Paris and Japan. The other is privately owned, working on 31.30 metres with an aerial power of 800 watts.

IAY, Piacenza, Italy.

A CORRESPONDENT in an Australian radio magazine suggests that the station heard each morning on about 45 metres is IAY, Piacenza, Italy, wavelength 45 metres. The description of reception agrees as regards volume, items, and time with what the writer has reported upon during the past few weeks. At 6.30 a.m. on Friday, just after a musical item, talk was heard, part of which I interpreted as "Radio Paralinza." This fits in very well with "Radio Piacenza," Italian pronunciation accounting for the difference. The only record I can find of this station is in the "Radio Amateur Call Book Magazine," which gives the following: IAY—P. Fontana, Corso, Garibaldi, 34, Piacenza.

7LO, Nairobi.

THE station on the same wave-length as W9XAA has proved to be 7LO Nairobi. When last identified on this band they were a little higher—about 49.9 metres. "Nairobi calling" was heard on Wednesday morning, when reception was a trifle better than usual.

Log for Week ending January 24.

RV15, Siberia, 70.1 metres.—Good volume each evening. Some fine music later.

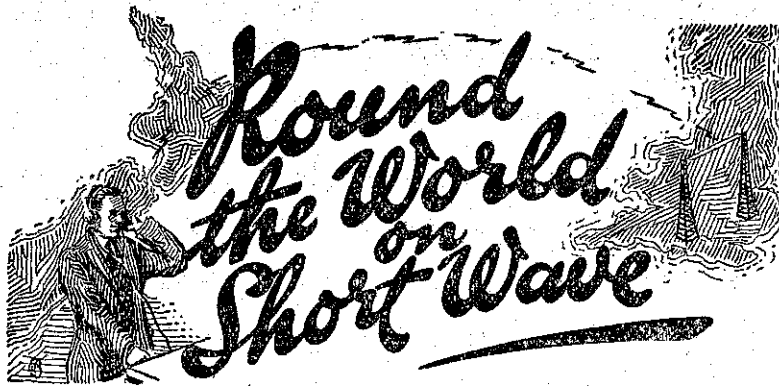
METRO



MANTEL RADIO

A Quality
Radio in
small
space.
Write for
full
details.

R. H. Co.,
553
Colombo St.,
Christchurch



58 Metres (about).—Just after midnight on Saturday music and talk were heard at R8-9. A Morse station on top spoilt reception.

49.8 Metres (about).—An American station, possibly W9XF, R7; static very bad.

W9XF, Chicago, 49.83 metres.—Still good volume after 5 p.m.

PK8AN, Java, 49.70 metres.—From midnight Saturday R7 static very bad.

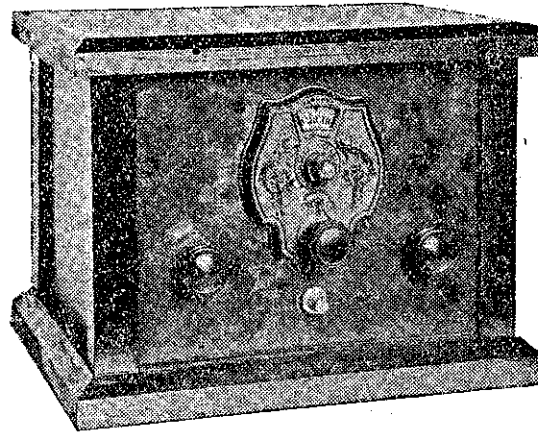
7LO, Nairobi, 49.4 metres (about).—Each morning from 6 a.m. Wednesday was the clearest and loudest for some time, being about R7 with slight rapid fade and some static. At 6.23 a.m. a Brunswick record, with number given

was announced. After 6 pips (time signal) at 6.30 a.m., reports were asked for and something was said about a conference, possibly the Indian Round Table Conference, as this was the morning the British Prime Minister was to have spoken. Afterwards a programme was outlined with news and shipping. Then "This is — Nairobi calling. From our studio the Rev. —" The above was about 25 per cent. readable—a word here and there only, being understood. On Friday, Big Ben was just audible at 7 a.m. from 7LO.

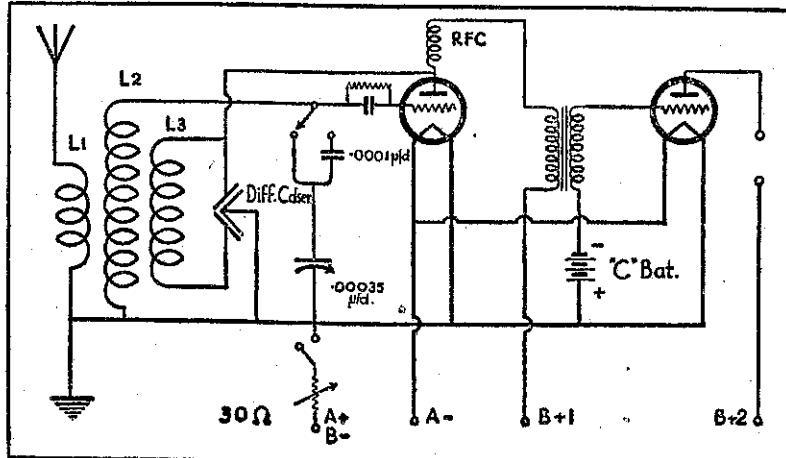
W3XAL, Boundbrook, N.J. 49.18 metres.—Maximum volume from 5 p.m. till 6 p.m. each evening.

The "Night Hawk"

Continued from
page 17



whatever winding jig happens to be available. Thread the 28-gauge dsc. wire through the first hole and then wind the entire length of the marked former. Go right over the holes and the separating spaces and finish off through the top hole. Remove from the winder, and after securing the ends, cut the wire between the two lowest coils, L2 and L3, and holding the finger over L3 end wind off enough of L2 until the hole comes into full view. Then pass the wire through. Do the same for the top of L3, and then repeat the whole performance for L2 and L1. Melt the solder from the pins of the valve base, and having cleared away the insulation from the portions of the coil ends that will touch the pins, pass the wires through and push the valve base into position. When all the wires are drawn tight solder them to the ends and round off with a file. The brass brad can then be driven home. The particulars of the short-wave coils were given last week.



W2XE, New York, 49.02 metres.—Sunday reached R5 by 5.30 p.m. Very noisy background.

Radio Saigon, Indo-China, 49 metres.—Heard Tuesday and Saturday from 11.30 p.m. Volume is wonderful, quality very good.

W8XK, Pittsburgh, 48.86 metres.—Sunday, R5 at 5 p.m. increasing to R6, with messages for residents in the Arctic Circle.

KIXR, Manila, 48.86 metres.—Only heard on Thursday this week, when they were R7 at 10 p.m., spoilt by morse interference and static.

HRB, Honduras, 48.62 metres.—Sunday, best at 5 p.m. when R7 with orchestra, but very unsteady.

CT3AG, Funchal, Madeira, 47 metres.—Saturday, 6.20 a.m., R7 with slow fade. All foreign talk.

Radio Piacenza, Italy, 45 metres.—Very good volume each morning. Friday was the best yet. R9 at 6.20 a.m. with music and talk. Close at 6.30 a.m. till 7 a.m., when they are about R5. A meeting was relayed after 7 a.m. when cheers could be heard at intervals.

VK8ME, Melbourne, 31.55 metres.—Saturday from just after 10 p.m. Excellent volume and quality with a test programme.

W2XAF, Schenectady, 31.48 metres.—Sunday and Saturday. Best at 4 p.m. when signing off, but only R5 and gushy each day.

Zoesen, Germany, 31.38 metres.—Weak and gushy each morning except Wednesday, when they were inaudible.

W1XAZ, Springfield, Mass.—Only R2 at 4.30 p.m. on Sunday. Saturday night starts at 12.30 a.m. (Sunday morning) R5, very gushy with static.

PCJ, Holland, 31.28 metres.—Thursday and Friday mornings just audible at best. Saturday R4 only during the morning session. During the afternoon, from R1 at 2.30 p.m. they increased to R7-8 at 4 p.m. with a programme for U.S.A., Canada, etc. They then closed down for an hour. From 5 p.m. till 6 p.m. they were excellent at R9, the best for some weeks, with a special programme for Australia, New Zealand, and Tasmania.

LSX, Buenos Aires, 28.9 metres.—This station has gone off badly, not reaching more than R5 and usually gushy as well. G5SW, Chelmsford, 25.53 metres.—Very rapid fade each morning, and, except Friday, very weak.

12RO, Rome, 25.50 metres.—Thursday morning after 6.30 o'clock good at R8. Other mornings poor.

W8XK, Pittsburgh, 25.25 metres.—Is weak early, but increases in volume by 7.30 a.m.

FTN, Paris, 24.46 metres.—Duplex with Rabat after 10 p.m. at good volume.

THE NIGHT HAWK

Kit Set with Valves	£5	5	0
W. B.C. or S.W. Coils only	£5	0	0
Differential Condensers	8	0	0
Coils, complete set	17	6	0
"Wavemaster" .00035 Con-			
denser	6	0	0
Valve Holders, Pilot UX ..	2	0	0
Valve Holders, Pilot UY ..	2	3	0
"Per Punch" 3 1/2 x 1			
Transformer	10	0	0
Panel Ebonite 6 x 8	2	6	0

We Pay Postage.

— THE —
C.A.S.

(Country Accessories Supply)

29 VENTNOR STREET, SEATOWN,
WELLINGTON.

LURE of frills and frocks, lovely lingerie, and beguiling beret, does not fail in appeal even in these hard times. Witness thronged escalator, and hordes of those once known as the gentler sex, who assembled to consider and to purchase modes of the moment, recently seductively set out in the Capital City by the D.L.C., this enterprising firm being in with the milk, so to speak, with early exposition of how beauty is to be attired when winter comes. That heavy mists curled over the dripping hills, and rain descended lugubriously on Lambton Quay, proved no deterrent, and "model frocks, moddam" for which world markets had been ransacked, brought once again the old, old thrill of delight.

A FEW, a very few, garments were overloaded with plastrons and pleats, creating a shiver of repugnance in all but the most inveterate follower of fashion. But this over-elaboration was rare, and turning from it we sighed to be sweet and twenty when viewing a white evening confection, its line of beauty cunningly contrived to lend added sinuosity to sylphlike proportions, a final touch of incredible chic bestowed by huge beflowered bow, resembling a flat "bustle," and much more fascinating than it sounds. Amusing and attractive was a long coat of geranium red, of simple line and excellent cut, an ideal wrap for fair or dark modern maid. Plain and spotted crede de chine coats and skirts, extremely useful, but not appearing so (an ideal combination), found many devotees, while black and white, it would seem, is still in extreme favour with all sorts and conditions of the pretty and the plain. For Phoebe, the country cousin, we selected a few, volle frocks, one of blue and pink with tiny rosebuds clinging to frilly skirt and fichu, a garment to suit quite admirably the agreeable fluffiness of the wearer, and cause heart havoc among her numerous swains.

HERE and there were digressions of line, bits and pieces being tacked at odd corners of anatomy of decorative garments, but on the whole evening gowns were fashioned as slenderly as Hood's ill-fated beauty. Quite entrancing was a butter-coloured confection in softest, sheerest satin, built on languishing long lines, and adorned with precariously perched variation of ubiquitous shoulder cape, in which some slim minx, preferably with dark curls like Nell Gwynne's in the Lely picture, will look ravishing; also admirable being a brilliant-hued gown of metal brocade which should prove gorgeously impressive if chosen by a Diana of the Crossways with figure built on Junoesque lines.

AS for hats, it is a case of the beret first and the rest nowhere. Not a maid, wife or widow, no matter her age



By "ALISON"

or calling, but has one on her shelf in which she hopes to make her mark, as no doubt she will, but perchance a bad one. For the race is to the strong, and the beret is for the young; so beware its bewitchment, ye whose complexions are lined, eyes haggard, and countenance too wide or too narrow, too long or too short. For les autres, however, the lucky ones, it undoubtedly bestows a debonair charm; as witness two eighteen-year-olds recently on the Quay, one clad in gorse yellow and the other in poppy red, with white headgear of prevailing rakishness, who were a sight for sair e'en, or so remarked an elderly Orlando, with the enthusiasm of forty-five years and sentimental Scottish heart.—Alannah.

ONE of the most attractive features displayed at the recent Bachelor Girls' Exhibition, Westminster, was an

Spooner's recent outfit which she chose for her latest adventure to the Cape was wool throughout. She had a pure wool cashmere pullover of saxe blue with a scarf to match and a jumper which buttoned down the front. Two sets of sheer wool two-piece undies, cashmere stockings, and over-socks, a leather coat and a pair of slacks completed the outfit, which weighed without the slacks and the coat just 2lb. 4oz. Miss Spooner is the world's greatest airwoman, having been awarded (last March) the women's trophy of the International League of Aviators. Two years ago she was third in the King's Cup Race, second in the race round Italy, and more recently won fourth place in the round-Europe race, in which there were no less than 60 competitors. A few months ago she made a parachute descent from an aeroplane at a height

Thought for the Week

It is folly to look back along the path you are travelling; and it is to court disaster, because human nature is weak at the roots and cannot bear to look at the past. Make up your mind, and then go straight ahead, glancing neither to the right nor to the left. Directly in front of you lie the problems which must now be faced.

—From a Frenchwoman's diary.

electric flat, designed, of course, by a woman. Its object was to occupy the minimum amount of space and possess the maximum number of labour-saving appliances. The floor area was only 24ft. by 30ft., and this had been divided into a lounge, with electrically-heated walls, containing a dining recess so arranged that many devices are close at hand for the quick preparation of meals; a kitchen, fitted for more elaborate cooking; a bedroom (with electric curling tongs, a balcony, where artificial sunshine can be enjoyed; and a bathroom warmed by a heater in the roof and supplied with constant hot water. Built into the walls were all kinds of useful fittings, and in such a flat the professional or business woman would be independent of outside help.

WOOL is slowly but surely coming into its own again—many of the newest sets of undies are of sheer wool yet as light and attractive as silk. An opera-top singlet of fine texture, soft and white as down, has a delicate tracery of palest blue silk woven round the top, and the short, shapely "panties" are similarly embellished at the knee. Wool is entirely without rival in flying fashions, and Miss Winifred

of 2000 feet. Miss Spooner hopes to create a new height record for women.

MR. BEVERLEY NICHOLLS, game-some and talented young literature of many ambitions and few years, discourses blithely in the current "Woman's Journal" as to his reasons for remaining unmarried. Truly, one reflects, the trail of publicity is over the land, and one seeks, and fails to find, what general interest attaches to the fact that this able and engaging journalist is single, benedict, or grass widower. Who cares? However, bolstered up by a photograph of himself—which will, one surmises, be of assistance in gaining the suffrages of his women readers, not for his theories, but for himself—with the aureole of youth about his handsome head, and the consummate egoism which is his characteristic, Mr. Nicholls states his

case with absence of acrimony and compelling sincerity which must find response in the heart of the born bachelor, who, possibly, is in high company, as it would seem as though the most popular man in the United Kingdom is in entire agreement. An admirable special pleader, Mr. Nicholls will almost persuade the dreamer and idealist to his way of thinking. Listen. "There are some things that I will not share. And those are my secrets. Not trumpery secrets about silly love affairs. But rather a record of hopes, too high and proud, fears too strange and wild, to be told—of faery things delicate and eyanescant as a moth's wing. You, too, perhaps have secrets that are laid away—like sprigs of pale grey lavender, sovereigns of tarnished gold, the faint pencilled notes in a book of Shelley's poems you read when you were very young and very happy. Must we share these secrets? Can we?" This will find an echo in the consciousness of those who treasure some battered old volume of days of old, with its faint, and maybe foolish, pencillings. Mine is the poems of Swinburne, and at some odd moment one of those lovely phrases returns to me, bringing sudden snatch at heartstrings, and swift nostalgia for lost youth.—Deirdre.

HERE are some old and faithful friends presented to us, in new and attractive form. A bag for needlework is made of cretonne, silk, satin or what you will, the top being gathered into a band. To this band is attached a strap of the same material having a weight at its other end. The strap is placed over the arm of your chair, weight innermost, and the top of the bag falls open ready for use. The stumpy umbrella is always a favourite with the woman whose peregrinations must be at all times and in all weathers. Now she can telescope it to twelve inches by a few simple movements when not in use. A reading lamp which can be placed on the arm of the chair in which you sit is just an electric bulb, complete with a shell-shaped shade, clipped into its own fitting on a fairly wide and solid leather strap. This strap is well weighted at each end to ensure perfect balance when hung over the arm of your chair.

THAT man, artless, simple man, has always needed protection from the subtle snares of woman, is an admission we are bound to make to ourselves if we wish to be really honest. That it was a recognised fact in England, away back in the 18th century, is proved by the provisions of a law of that period, which states:—

"That all women, of whatever age, rank, profession or degree, who shall impose upon, seduce and betray into matrimony any of His Majesty's subjects by virtue of scents, paints, cosmetic washes, artificial teeth or false hair, iron stays, bolstered hips,

PAIN AFTER EATING

Indigestion Acidity & all Stomach disorders SPEEDILY RELIEVED by PEPTOS The Great Paw-Paw Remedy. 37 - AT ALL CHEMISTS.

FAMA

For Bathrooms, Lavatories, Sink-tops, etc.

FAMA STONEWOOD FLOORING CO., Wellington.

or high-heeled shoes, shall incur the penalty of the law now in force against witchcraft and other misdemeanours; and marriage under such circumstances, upon conviction of the offending parties, shall be null and void."

It would be rather amusing if such a law were in force to-day. I wonder how the poor man would prove that he had been "betrayed into matrimony."

LIKE John Leech, whose genius so many decades ago found expression in his wonderful drawings in "Punch," I move from street to street, from pillar to post, to seek peace and ensue it, and wonder if some day I shall give up the ghost without succeeding in my quest, as did the famous artist. Like other rolling stones, fate compels me to spend my days in the not always ideal "homes away from home," yecept apartment houses, where from early morn to dewy eve jollity of the loud variety is rampant, and the scourge of the gramophone abroad in the land. "Canned" music, which can be so great a delight, so happy an exploitation of the finest in music, is employed in its most virulent form to torture nerves of inoffensive dwellers in surrounding flats. What is the mentality of those for whom music and mirth are but synonyms for loud laughter, weird screeches produced by blaring instruments, reiterative and un-rhythmic phrasing, see-sawings of sounds and maddening monotony. Never a reversion to lovely Irish or Scottish ballad, gay tinkle of madrigal and swing of old-time dance, Chopin prelude or song of Schubert, all of them as easy to procure and inexpensive as the horrors insisted upon. Verily the musical gods of idolatry of apparently two-thirds of our fellow-countrymen are symbols of "sound and fury, signifying nothing."—Ariadne.

FROM Vienna comes the latest novelty in finger-nail enamel for evening wear with the fashionable all-black or all-white evening frocks. This is a varnish that gives the exotic effect of a black pearl to the finger nail. Needless to say, it has to be applied with such extreme care that the beauty specialist makes an extra charge. For daytime, coral pink is the favoured shade of enamel.

STRANGE as it may sound, there is still a civilised country in the world where girls do not drink cocktails nor have their eyebrows plucked! And these girls are pretty; even more, they are extremely beautiful, and have little use for either powder puff or lip-

stick. They are Jugo-Slavians, and prefer Turkish coffee accompanied by a spoonful of jam to any cocktail. They have a great national industry in embroidery, which is fast dying out on account of the costliness of its production, and also on account of the time and patience involved. Jugo-Slavian women are organising themselves very efficiently, and quite a number of mar-

Being but Men

*Being but men, not gods, we'll need
take pride*

*In all that gives the lie to mean
estate;*

*All moments borne beyond the com-
mon tide,*

*All littleness of heart made briefly
great;*

*All beauty vouched with sudden
indrawn breath,*

*A word, a turn of head, a lovely
look,*

*A gesture grave, a phrase defying
death,*

*Or a chance sentence in an un-
sought book.*

—MONK GIBBON.

ried women go to business, but they have greater wisdom than some women we know—they have retained their womanliness.

MANY people often ask how it is that the Duchess of York is such a practical and efficient housekeeper when she could not have had any experience before her marriage (says a London paper). In this they are wrong, for the Duchess had more experience in keeping house and acting as hostess before her marriage than falls to the lot of most young girls.

During the war, when Glamis Castle was turned into a hospital, the Lady Elizabeth—as she was then—was too young to do any of the actual nursing, but she was not too young to make herself useful all round, and when everyone was busy, including her mother and elder sister, Lady Elizabeth would peel potatoes and make batches of cakes and help look after the linen. The rock cakes which the young Lady Elizabeth made during the war remained long in the memories of some of the men who ate them at Glamis. Some time ago a well-known New Zealander had the honour of having tea with the Duke and Duchess at 145 Piccadilly. Little Princess Elizabeth was brought in, and with childlike simplicity, pointing to a plate of small cakes, remarked: "Mummie made them." The New Zealander, turning to the Duchess, said quietly: "My brother has never forgotten your cakes at Glamis—he always said that they were the best he ever tasted, and now I agree with him."

WHEN removing grease spots on clothes with benzine or petrol, surround the spot with a ring of french chalk. This will prevent the grease or the cleanser spreading to the unmarked part and leaving an ugly stain, as often happens.

Carillonist Returns

Pioneer Club's Welcome

WITH high heaped laurels, won by talent, hard work and the will to succeed, Miss Gladys Watkins returns to her own land, and has been accorded warm welcome by her fellow-countrymen who have followed, with sympathy and admiration, her upward and onward progress on that path to success which so often is "uphill all the way." At the reception tendered to the gifted carillonist at the Pioneer Club, many representative women were present, and the beautiful rooms of the club appeared to advantage with silken hangings, admirable lighting, and massing of gorgeous godetia and gladioli. In her short address regarding her studies abroad, garbed in graceful draperies of honey-coloured lace that enhanced the slim grace of the wearer, Miss Watkins spoke with



MISS GLADYS WATKINS.

attractively modulated voice and sincerity of expression, allied with a whimsical humour, and was followed with rapt attention as she told of interesting factors in the playing of a carillon. Three essentials are. Knowledge of music, good hands, good feet, AND NO CORNS! For true appreciation of the music of bells, it would seem "so near and yet so far" is an excellent motto, and, as important here as elsewhere, the listening ear and the understanding heart are essential. "Never go so close that the overtones are distracting," Miss Watkins told us, "but be far enough away to be aware of the delicate nuances of the music. I think you will like carillon music, but for real delight in them the bells must be listened to in the right way." It is good to realise that very soon the Bells of Remembrance will peal over the city, and that "Ring out bell, to the wild sky" is no longer for us a Tennysonian phrase, but the prelude to musical consummation achieved by the spell of Miss Watkins' wizardry.—H.V.L.

PATENT leather shoes will not crack if they are cleaned with shoe polish to which an equal quantity of olive oil is added. This gives them a more brilliant shine than if shoe polish alone is used.

Household Wrinkles

INTO a wood-pulp bowl—to save scratching the silver—put one tablespoonful of a reliable dry soap and one tablespoonful of common whiting. Pour over this two quarts of boiling water. Put in the silver, leave for a few minutes, and wash with a soft mop. Take out a few articles at a time and dry immediately with soft cloth.

CURTAIN pins and hooks are often thrown away when they become black. Try boiling them for a few minutes in half a cupful of vinegar and the same quantity of water. Rinse afterwards in cold water, rub dry with a clean duster, and they will look like new.

POTATOES will mash much nicer if you beat them up with a very small pinch of baking-powder. When they are really light and fluffy they are twice as attractive; don't add milk or butter in the mistaken notion that you are "mashing" them, because you are "creaming" them; an entirely different thing! The latter are for dishes minus sauce or gravy; the former can be served with either.

NEVER wear new walking shoes until they have been well polished. If possible have this done in the shop where you purchase the shoes. It is worth a ten minutes' wait to have the job done well, and it is the first polish that counts and adds to the life and appearance of your shoes. Any mark you get on them subsequently will not stain the leather as it would do if you wore them for the first time unpolished. This is a tip straight from a shoe-maker's mouth.

BEFORE washing hair brushes that have ebony or any kind of wooden backs, rub the backs over with a little salad oil or vaseline. This will prevent them getting wet and preserve the polish. After the brushes are dry rub off the oil with a soft duster.

COSTLY ornaments and flower vases can be saved from the risk of being overturned and smashed at the slightest touch by partly filling them with sand, which will help to weight them.

AMBER necklaces and ornaments can be cleaned by washing them in a solution of soap flakes and warm water. After polishing them, give them a final rub with a piece of cloth that has been dipped in olive oil.

Thousands upon Thousands of Men have Risen to Better Jobs and Bigger Salaries as a Result of I.C.S. Instruction.

What did they have, that you haven't? Better minds? More education? More money? More Courage? Not for a minute. All that they have done, you can do. You CAN. But WILL you? It costs nothing to find out how the I.C.S. can train you, in spare time, for a well-paid position in the work you like best. Write us to-day or call with reference to the subject you are interested in.

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

1822 WAKEFIELD ST., WELLINGTON

FOR
SINGERS
AND
SPEAKERS

Pulmonas
PASTILLES

Ensure a
Clear Voice

1/6 a tin all chemists

... With ... BOOK and VERSE

By "John O'Dreams"

IN this age of the emancipation of women it is interesting to note that in the recording of the horrors, brutalities, and magnificent comradeship and courage that were factors in the Great War, some extremely able and interesting literature has been contributed by women. One has only to call to mind two novels, "The Happy Foreigner," by Enid Bagnold, and "It's a Great War," by Mary Lee, to realise that in depicting all aspects of the great tapestry of life woman can hold her own.

Our Fortnightly Book Review

"The Fool of the Family"

(By Margaret Kennedy.)

A RECENT case of plagiarism concerns a youth who copied a story by Miss Zona Gale and sent it to an editor. Not one phrase of the story had been altered, says "Time and Tide," that admirable English paper, run entirely by women. The title and the author's name alone had been changed. This seems an obviously stupid thing to do. A plagiarist might get away with a pinched tale if he paraphrased it, but to copy it word for word seems to be the act of a nit-wit.

IT is considered by many students of Mr. Somerset Maugham's novels and plays, that in his latest novel "Cakes and Ale" he is needlessly out-

REMEMBERING the delight experienced on first perusal of the book through which Miss Margaret Kennedy found an abiding-place in the hearts of the reading public, one expected great things from her latest novel, which is a further contribution to the history of that irresponsible clan yelet the Sanger Circus.

Does "The Fool of the Family" come up to that first inspired chronicle, or does it disappoint? Just a little, perhaps; but nevertheless it is a delightful story, and if we miss the fragrant, fragile Tessa, that darling girl, with her remarkable entourage of inimitable sisters, the story perhaps is more interesting concerning the various protagonists, the milieu of whose doings is set in London in place of the majestic Tyrol, the lovely aloofness of which brooded over "The Constant Nymph." Miss Kennedy's latest book follows the fortunes of two of the Sanger brothers. There is Caryl, with some talent, poor and proud, cursed with ineradicable conscientiousness and inferiority complex. He plays the fiddle in an orchestra, is essentially inoffensive, yet now and again capable of magnificent imprudence, at which times I fear he is more interesting to poor human nature than when piously doing out the duty. With the family impetuosity he falls fathoms deep in love with beautiful, wealthy, rather commonplace Fenella, who ardently reciprocates. Puckish fate, however, brings along

brother Sebastian, that beautiful and audacious youth, who, with extreme thoroughness and entirely without malice, completely obliterates his unassuming relative. Sebastian, though his charm is undoubted, is as unfamiliar with considerations of the claims of morality as he is with the stone axe of his progenitors, and gaily embarks on a brief Arcadian interlude with Fenella, who, for the time being, as lacking in principle as he, promptly burns the boats of her moral moorings. But very soon Sebastian, true to form, shakes himself free without a pang, hands back the lovely lady to Caryl for safe keeping, and returns to his gamine-like Gemma, whose outlook and conversation are astoundingly free from social convention.

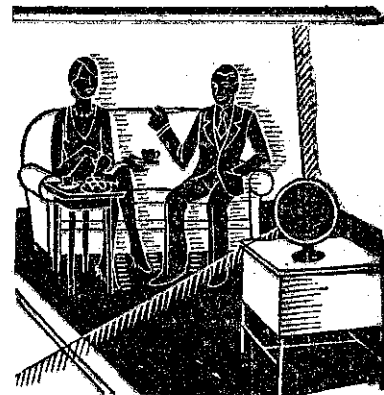
This, with a good many side-shows of vividly-conveyed impressions of men and manners, is the story; all told with a vim and vitality reminiscent of a merry-go-round at a fair, when with a hey presto! the puppets resolve themselves into a gay scramble and the devil take the hindmost! Very sparkling, very amusing, and the story more of the near horizon than its predecessor; but it may be that what is gained in everyday similitude is lost in glamorous atmosphere that enveloped the love story of the child Tessa.

Apostle of all things lovely, disciple of the gospel of gaiety, Miss Kennedy is to be commended for the colour and iridescence she imparts to the burden and heat of the world.

spoken. Never at any period could Mr. Maugham be accused of diffidence about calling a spade a spade, his versatile talent at times apparently taking malicious delight in holding up a mirror to the uglier aspects of life. The sordid horror of his brilliant short story "Rain" dwells long in the memory, and the extraordinarily analytical study of the artistic temperament, with its casting off of moral and spiritual obligation, embodied in "The Moon and Sixpence," is appalling in its realistic recording of the lust for self-expression and final intimation of the mortality of all men.

MISS E. M. DELAFIELD, witty, frank and iconoclastic, has written a series of novels that have delighted her large circle of devotees, and her "Diary of a Provincial Lady" has proved a much-discussed feature in "Time and Tide." Now comes a play from Miss Delafield, who is a daughter of Mrs. de la Pasture, also a novelist of note in a different genre. Knowing the mordant wit and modernity of this young writer, it may be expected that the drama, which has the advantage of a good cast of well-known actors, will win the benison of the London public.

STILL another biography of Chatterton, that brilliant boy, now long dead, yet vital in our consciousness by reason of genius and unhappy youth. Mr. Meyerstein, in his able exposition of facts of the seventeen years of the poet's life, disputes accepted theory that, starving, the world against him, suicide was directly attributable to dire poverty. It is pointed out that the distressful dreamer had many quite advantageous opportunities of making a place in the world; but, cursed with constitutional melancholy, accentuated by disappointment at indifference toward his MSS., and impossibility of sustaining the brave bluff with which he deceived his intimates, the easiest way was to say "good-bye to all that," a course he often contemplated during his short life. His biographer suggests that this born romantic would have been happier 50 years later in a world grown more tolerant. It may be so, but some solitary spirits are doomed to defeat and disappointment, and to that sad army belonged this ill-fated youth.



The end of a pleasant evening ~

Is always marked by a cosy little supper. Next evening YOU have, serve dainty golden brown cakes and scones of your own baking. A few spoonfuls of—

ANCHOR SKIM MILK POWDER

added while you are mixing them and you'll be ever so proud of the result. More delicious—better appearance—and they keep fresh for DAYS longer.

Price 1/2 per Tin

Your Grocer can supply.

Free Recipe Folder of Tested Recipes—write "Anchor," Box 244, Auckland.

Sold direct
at £5/5/-
Saving

No retail
profits or
salesman's
commissions.



£10/10/- Complete
with 7 clip-on parts.
Post Free

Buy this full-sized, efficient, fully-guaranteed Vacuum Cleaner direct from the sole importers. The heart of a cleaner is the motor. The SUNSHINE has the world-famous Westinghouse Motor, and 16 other distinct superiorities. Write for illustrated folder.—Sole N.Z. Distributors: HAROLD LIGHTBAND, LTD., 79a Lichfield Street, Christchurch. Or 385 Queen Street, Auckland.

A RESEARCH development fund for the purpose of studying conditions above the Heaviside Layer, 75 to 200 miles above the earth, has been established in America. It is intended to shoot special rockets carrying recording instruments to the stratosphere to record conditions in the higher altitudes.

SEVERAL railway stations in the British Isles have installed loudspeakers for speedy communication of traffic news to passengers. Usually one microphone is installed in the main signal box, with another in the stationmaster's office. Loudspeakers are installed at platform entrances and in the booking hall. On the Continent this idea is in widespread use, and at the central station in Amsterdam a most successful installation has just been erected.

EXTREMELY short waves (between seven and eight metres) are being employed by the British military services for radio communication between armoured tanks and headquarters. A specially designed transmitter and receiver, mounted in a shock-proof teak case, is employed. A twelve-foot copper rod mounted vertically is employed as an aerial.

"WHAT salary do American announcers receive?" In reply to this question a representative of the National Broadcasting Company remarked: "The announcer's regular salary is purely nominal. For announcing commercial programmes, however, he may receive as much as £50 per week—from each advertiser."

IT is often somewhat aggravating to tune into a station to hear no sound and be left wondering whether



one has happened upon a prolonged interval or whether the fault lies in the tuning. On the Continent this difficulty is overcome by the use of a metronome, which is set in operation during breaks in the programme. The idea could with advantage be adopted by New Zealand stations.

WHENEVER a serious marine disaster occurs and the crew and passengers are saved through the medium of radio, we realise the immense importance of the latter as a life-saver, but it is perhaps not generally known how the loss of life at sea has been reduced since radio was applied to ocean travel. During the period 1871 to 1910, the average annual loss of life to passengers at sea was 231; for the period 1921 to 1928 the annual average was only 15, and in two of those years not a single passenger was lost!

BROADCASTING in Egypt is limited to a few transmissions of gramophone records by radio dealers owning small transmitters. Nevertheless, there is in the land of the Pharaohs a vivid interest in radio, although the nearest station, situated at Stamboul, Turkey, is 2080 miles away. This transmitter is regarded with pride by the major portion of the Egyptian listen-

ers as their "local station." Other stations listened to are Charkow and Moscow, while of the West European transmitters Berlin, Vienna, Breslau, Radio-Toulouse, Radio-Paris, Rome and Naples are favourite stations. Multi-valve sets, more often than not equipped with screen-grid valves, are chiefly used for reception, but special short-wave receivers are also extremely popular.

A RECENT development in Java is the installation at the Government radio laboratory at Bandoeng of a picture transmission apparatus. Experimental transmissions have already taken place between Bandoeng and Holland and have proved quite satisfactory. The Government wireless telephone services are extending rapidly, and conversations are now possible with almost every country in Europe. On his recent arrival in the Southern Cross Junior, at Sourabaya, Java, during his long flight from England to Australia, Kingsford Smith was quickly connected up by radiophone to Sydney.

AN exchange of ideas in broadcasting, and the adoption in one country of programme items which are the speciality of another country, are eminently desirable features of the international aspect of broadcasting. England has adopted and broadcast a great deal of American dance music. On the other hand, certain English ideas in regard to educational broadcasting have apparently favourably impressed American radio authorities, for a new National Advisory Council on Radio in Education has recently been formed there. Its object is "to further the development of the art of radio broadcasting in American education."

DURING a recent investigation into the financial situations of the more powerful American stations, the

Federal Radio Commission found that only one-half of them were making money. Of twenty stations applying for an increase in power, ten showed an average yearly profit of about \$5800. The other ten showed an annual average deficit of about \$10,800. It was found that as much as 70 per cent. of the programme service over these twenty stations is free, the remaining time being taken by commercial sponsors who pay for time. The average advertising rate per hour for a 5 k.w. station is \$62 during evening hours, and the monthly income from advertising sources averages about \$4300 per station. The average total monthly operating costs of each station are \$4400. Salaries account for nearly \$3800 of all expenses, artists' fees accounting for two-thirds of this sum.

RADIO announcing this year made its debut as a college study when the University of Iowa enrolled students for a course in broadcasting. The school's radio station is utilised to train each individual in diction, quality of voice and other requisites of the efficient broadcaster.

FOR the benefit of his customers, the driver of a horse-drawn bakery wagon in Buffalo, N.Y., has equipped the vehicle with a radio-receiving set. While soliciting orders, he also supplies his customers with the latest news announcements.

MR. H. G. WELLS, the celebrated novelist, gave a wireless talk to American listeners from his home recently. A circuit comprising land-lines and commercial radio channels linked Mr. Wells in London with station WABC and the Columbia network. Typically enough, he chose for his subject, "The World of our Grandchildren."

THE suggestion that wireless broadcasting influences the weather is difficult to entertain. The idea is not new. Even in the days when wireless was very young—before broadcasting was mooted, in fact—radio was blamed for bad seasons. Years before the Great War a deputation of Indian farmers presented a petition to the Viceroy asking that the Government radio station be dismantled, as since its installation the weather has been unseasonable and the loss to farmers excessive. Needless to say, the request was not complied with.

Silver-Marshall 737 "BEAR-CAT"

The "Bear Cat" is the latest thing in short-wave receivers. It has everything—built-in power supply, one dial tuning and screened grid circuit—just a twist of the wrist and in comes the distant short-wave stations.

And there's nothing on the "Bear Cat" just because it's pretty. Perfect battleship shielding.

Covers 16.6 to 200 metres—And coils are obtainable to cover the New Zealand Broadcast Bands, thus giving an—

ALL-WAVE, ALL-ELECTRIC RECEIVER.

SILVER-MARSHALL

RADIO SETS AND RADIO PARTS

Write or Call for Full Particulars.

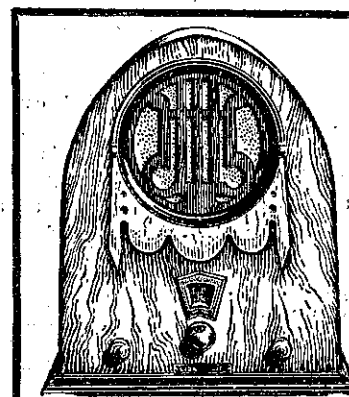
THOS. BALLINGER & CO., Ltd.

VICTORIA STREET, WELLINGTON.

Or for Particulars of Complete S.M. Receivers and Cabinet to—

FACTORY IMPORT CO.,

36 TORY STREET :: :: WELLINGTON.



PRACTISE ECONOMY

Was the slogan of The Rt. Hon. G. W. Forbes, P.C., Prime Minister, at his reception on January 20. Many folk who were contemplating buying a big console set will welcome the possibility of purchasing a set with ALL the characteristics of a really expensive big set 4 SCREEN GRID 6-VALVE A.C. LYRATONE SET with extreme sensibility and extraordinary selectivity at £21/15/- less than half the outlay they anticipated. A guaranteed set in all respects.

LYRATONE SETS are imported by Crawford and Finlayson, Ltd., Box 675, Wellington. Factory Representatives.

Local Agents:

F. J. W. FEAR & CO.,

WELLINGTON.

It's a GILFILLAN—and IT'S GOOD.