

PUBLISHED WEEKLY



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WELLINGTON, FRIDAY, MARCH 11, 1932.

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A New Radio Monthly --The N.Z. RADIO TIMES-- is Coming!

Incorporating "The Radio Log," a new Radio magazine—"The Radio Times" will be published by us every month. The first edition will be available on March 24. It will contain a fund of technical information for the amateur and professional alike.

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LIST OF MUSICAL NUMBERS for the "Music-Lovers' Competition" Second Series

THE excerpts to be given in the second series of the "Music-Lovers' Competition" on the dates below will be chosen from the following list:—

1YA	Tuesday, March 15
2YA	Wednesday, March 16
3YA	Thursday, March 17
4YA	Monday, March 21

Light Cavalry.
A Bench in the Park.
I'm in the Market For You.
Down at the Old Bull and Bush.
Toreador and Andalouse.
Spanish Serenade.
Crazy Pirouette.
Blue is the Night.
Smiling Irish Eyes.
Destiny Waltz.
Love's Dream after the Ball.
Dance of the Raindrops.
West Wind.
I'm a Dreamer.
When Johnny Comes Marching Home.
Idilio.
Dance of the Dwarfs.
La Bombardier.
Two Eyes of Grey.
This is Heaven.
An Emblem.
Clementine.
Melodie d'Amour.
The Gnomes' March.
La Reve Passe.
Dancing Doll.
Love, Your Spell is Everywhere.
If I'm Dreaming.
Lady Luck.
The Prisoner's Song.
Badinage.
Broadway.
Oh, Wert Thou in the Cauld Blast.
The Bells of St. Mary's.
See Me Dance the Polka.
Twilight on the Waters
One Alone.
When My Dreams Come True.
Body and Soul.
Telling it to the Daisies.
Scent of the Jasmine.
Pale Moon.
Midnight Bells.
Al Fresco.
Wine, Women, and Song.
Dawn of Freedom.
At the Brook.
There's a Rainbow Round My Shoulder.
In a Chinese Temple Garden.
The Mocking Bird.
The Moonlit Glade.
Fidelio.
Charmaine.
It Seems to be Spring
Laughing Marionette.
The Scarf Dance.
Belphegor.
Honeymoon Waltz.
Beneath Venetian Skies.
John Peel.
Rose of My Heart.
Cheer Up.
Got the Bench, Got the Park.
Rippling Streams.
It's a Long Way to Tipperary.
The Mill Wheel.
To Spring.
Shepherd's Hey.
Perpetuum Mobile.
March of the Grenadiers.
My Love Parade.
Ellie Rhee.
Parted.
Dancer of Seville.
The Guards' Patrol.
In the Gloaming.
The Grasshopper's Dance.
La Paloma.

The Palms.
Love's Garden of Roses.
I Love the Moon.
Camptown Races.
Kathleen Mavourneen.
Kiss Waltz.
Weymouth Chimes.
Narcissus.
Meditation (Thais).
Eleanor.
In an Old World Garden.
Soldiers' Chorus.
A Dream.
My Bonnie Lies Over the Ocean.
Rondino.
Voices of Spring.
Praeludium.
When the Lemons Bloom.
Till the Sands of the Desert Grow Cold.
Study on the Black Keys.
Spanish Serenade.
March Lorraine.
Zephyr.
Tangi.
Country Gardens.
Echoes of the Valley.
Hiding Down to Bangor.
The Dear Little Shamrock.
Minuet in G.
Doctrinen.
Bourree.
Love is a Dreamer.
The Message.
Bird Songs at Eventide.
Anvil Chorus.
The World is Yours and Mine.
My Ain Folk.
Ye Banks and Braes.
Home Sweet Home.
Ave Maria (Schubert).
Chal Romano.
Chant Sans Paroles.
Bees' Wedding.
Naila Waltz.
Faust Ballet Music.
The Miller's Dance.
Arabian Nights.
Loch Lomond.
Patience.
Melodie (Tschaiikowsky).
Dance of the Hours.
In a Country Lane.
Un Sonnet d'Amour.
The Gipsy Baron.
Ballet Egyptian (Allegretto).
Gavotte (Idomeneo).
Come Back to Erin.
Sympathy.
In a Fairy Realm.
La Coquette.
Love Everlasting.
Die Fledermaus.
Hydropaten.
Pearl o' Mine.
Pastoral Symphony.
Berceuse (Chopin).
A Life on the Ocean Wave.
Slayonic Dance in G Minor.
Greetings of Spring.
Sleepy Valley.
Lady Luck.
For You Alone.
The Man I Love.
Don Juan Overture.
Sweet Sue, Just You.
Dance of the Tumblers.
The Flatterer.
Italian Nights.

L'Etudiantina.
Rosamunde Ballet Music.
Less Than the Dust.
Golliwogs' Cake Walk.
Der Frieschutz.
Adoration.
The Clock is Playing.
Ever or Never.
Hi, Ho, the Merrio.
March of the Little Lead Soldiers.
Sinfonia.
Wood Nymphs.
Sally.
There is a Tavern in the Town.
Scherzo (Midsummer Night's Dream).
Morning (Peer Gynt).
Hark, Hark, the Lark.
The Busy Bee.
Oberon Overture.
La Campanella.
Valse in A Minor.
Auld Lang Syne.
Dancing with Tears in My Eyes.
La Tarantelle Eretillante.
Fete Boheme.
Moonlight Sonata.
In the Sweet Bye and Bye.
The Butterfly.
Solemn Melody.
Orientale.
There's Danger in Your Eyes.
Toymaker's Dream.
Over the Garden Wall.
Heart o' Mine.
Dance Away the Night.
Andantino.
Just for To-day.
Sultan's Grand March.
I Heard You Singing.
Duna.
Album Leaf.
A Little Kiss Each Morning.
Repas March.
Comin' Through the Rye.
Ye Banks and Braes.
The Sweetest Story Ever Told.
Vale.
O, Promise Me.
A Brown Bird Singing.
At Dawning.
I Love You Truly.
Evening Song.
I Hear a Thrush at Eve.
Song of the Vagabonds.
Polly Put the Kettle On.
Asleep in the Deep.
Sink, Red Sun.
Dream Lover.
My Pretty Jane.
Lucky Me, Lovable You.
The Minstrel Boy.
My Love Parade.
Riff Song.
Who is Sylvia?
Apres un Reve.
The Song I Love.
Moonlight on the Danub.
The Tarpaun Jacket.
Walkin' with Susie.
Keep the Home Fires Burning.
Sleepy Valley.
Under the Deodar.
The Shepherd's Serenade.
What is this thing called Love.
Valse Bluette.
O Lovely Night.
Trees.
Silent Night.
Love Will Find a Way.
Soldiers' in the Park.
I Passed by Your Window.
Why?
Spinning Wheel.
You Were Meant for Me.
Blue Bells of Scotland.
Believe me if all those Endearing Young
Charms.
Hushen.
Mountain Lovers.
Honolulu Moon.
Valse Triste.
Beneath Venetian Skies.
Ramona.
When You Come to the End of the Day.
Sing a Little Love Song.
Rose Softly Blooming.

Use Our Booking Offices in Advance
S-O-S

TRAVEL IN COMFORT BY
CAR

WELLINGTON - PALMERSTON

How SCIENCE has shrunk the EMPIRE

A small boy walked into a red telephone kiosk at the Imperial Institute, London, and said, "Hello, New Zealand," into the receiver. New Zealand answered. That is one of the thrills that attracted thousands of children, of all ages from five up to 50, and over, to the Young People's Telephone Exhibition, held recently in London.

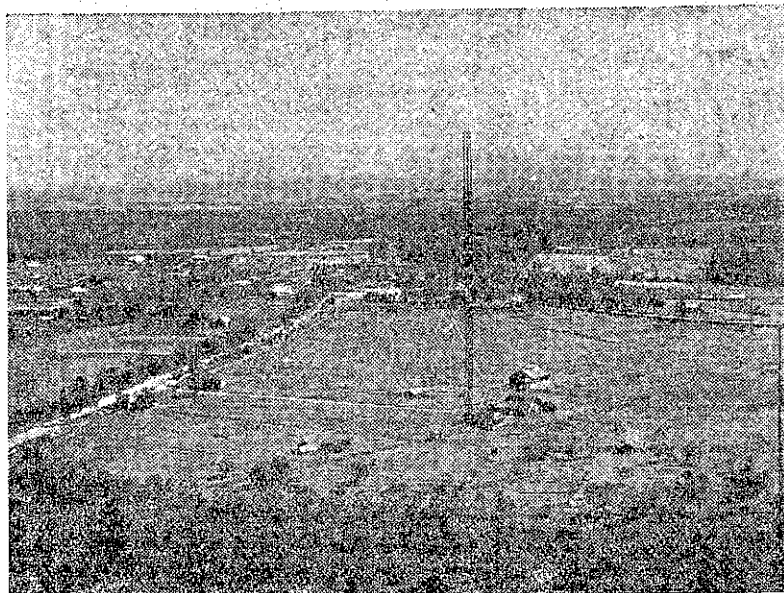
(By our London Correspondent.)

THE display shows them one of the greatest of modern miracles—how science has shrunk the Empire. Once inside the telephone box Auckland is no further off than South Kensington Underground Station.

At intervals, a spotlight is turned on to the milling crowd of children. The youngster on whom it falls is picked out and led into the kiosk to telephone to some distant country—or maybe to a ship at sea. Concealed amplifiers broadcast both sides of the conversation to the excited crowd of fellow-children outside. This stunt was the star turn of London children's Christmas holidays.

The British Post Office has laid itself out to explain, in this exhibition, "How it's done." The display tells the story of "speed in speech"—of how man has conquered distance in communication with his fellows. The small boy who talks to Australia, or any other overseas country, has only got to cross the hall to see a model of Rugby, the most powerful wireless transmitting station in the world, where his faltering voice was turned into waves which travelled 12,000 miles across the world.

This small boy is also given a glimpse of what happens to his telephone call at the exchange. He can watch it flicking through the complex mechanism of an automatic exchange without any human help.



A link in the wireless telephone chain between N.Z. and England. The transmitter at Pennant Hills, Sydney, which rebroadcasts the N.Z. end of the conversations.

At present, overseas calls go through the ordinary exchanges, but a special overseas switchboard is nearing completion at the General Post Office, which will handle all these calls, and which is, it is officially stated, the most up-to-date and efficient in the world. Next door there is a working model of an ultra-short-wave wireless telephony set, still in the experimental stage. It works on a wavelength of 2 to 5 metres.

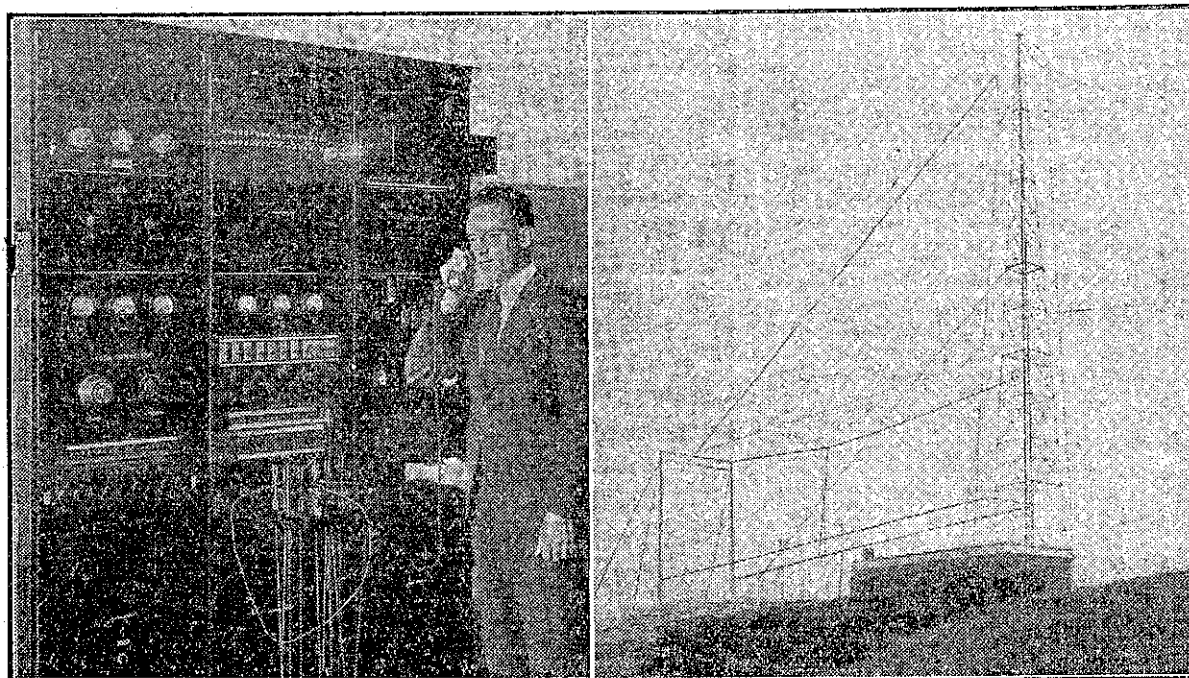
WORDS spoken into an ordinary telephone at one end of the stand come out through a loudspeaker at the other end—having been transmitted on a two or three-metre wavelength. In another part of the hall you can talk into a telephone to a listener one yard away—and your voice travels 1000 miles between the two instruments. The line goes up to Glasgow and back.

Post Office engineers have devoted a stand to telling you how this is made possible. A model illustrates graphically how a speech

impulse travels in waves, like a ripple on the water. These get fainter and fainter as the voice continues on its journey. They would fade out altogether were it not for loading coils, which are put in at intervals to re-energise the impulse. There are seven "repeaters," on re-energising stations, between London and Edinburgh, for instance, and 27 between London and Berlin.

Some people have good telephone voices and some bad. It all depends on the number of "harmonics" in a voice. If you have a lot, the reception is bad because harmonics cannot be transmitted over ordinary telephone lines. A voice with the harmonics cut out loses all its character and tone. This is one of the big problems of establishing

(Concluded on page 2.)



"Are You There, London?"—It is from this transmitting station at Mt. Ekato, Wellington, that the N.Z. conversations are first put on the air.

I expect many of you—especially ladies—would hear the broadcast, so well carried out by 2ZW of the opening of our new premises at Petone by the Prime Minister. I feel that in doing a thing like that the Prime Minister was honouring not us, not especially the English Motor Industry, but the Old Union Jack himself. The Right Hon. Mr. Forbes made us all feel proud of being able to be units of this wonderful Empire.

In connection with our new building, there is a little quiet road-side sward under a great spreading elm in the depths of the country, about 50 miles from London, which has a peculiarly intimate and interesting connection with those new works at Petone. And this is how it all happened.

About two years ago I was instructed by the Managing Director of our English company to investigate world conditions for export. After very careful and lengthy investigations in England and several European countries, I recommended New Zealand as being the most suitable place to put up a branch factory. My main reasons were, firstly—the preference granted to British goods both by tariff and by your essential goodwill towards the Old Country, and, secondly, because I felt then, as I feel now, that, in spite of all the world trouble, New Zealand was, is, and always will be, basically sound as regards finance. (I don't believe, and I never will believe that the pessimism that is being broadcast to-day is necessary.) Well, as I was saying, I put up New Zealand as our first Overseas Factory Home, and they said—Thank you very much, when do you start? Well—I was export manager—not overseas factory purveyor. I rather wondered what they were getting at, but they pointed out that if I thought it was a good scheme, it was obviously my pigeon to put it over. So I began furiously to think. It's one thing to put a lot of figures and ideas on paper and pass them over to a typist, but it's quite another thing to get a new factory going 12,500 miles away. However, I got going, and, with the help of Mr. Coe who talks to you when I can persuade him to—we managed to stick to our schedule.

In the midst of our preparations in the summer of 1930, I went up to a trade dinner in London one night—it's only 84 miles of billiard table road from my house, and even in the little 10-horse saloon I always reckoned to get up there in two hours. After dinner the usual speeches and musical items were perpetrated, and, in due course, I left for home about midnight. I hoped to be home just after two. However, about 50 miles out of

London, on the high ground, I ran into a very heavy mist—thick, blankety and wet—not a fog, but a real summer mist. For some time I plugged on at about four to five miles an hour, overtaking lorries dragged on the side of the road, and sometimes cars. I knew every yard of the road, but, even so, I had several near shaves, and finally was so utterly sleepy that I decided to snuggle down and have a snooze on the back seat in a rug which I carried for Sunday picnics. Those mists usually lift just after the dawn, and I thought this would give me time to slip on home, have a bath, change and breakfast, and so to the works—not too late. I slept for an hour or so then woke up bright and cheery and absolutely chock full of New Zealand. I began to think about all the details, and I'm darned if I could go to sleep again.

So I turned the light on in the car, found a pencil and the menu and programme of the night, before, which, fortunately was plain on the back. I sketched out a plan of the sort of factory I should like in New Zealand, and I put in the general layout, stores, assembly shops, offices, etc. Then, suddenly, the mist lifted, and I saw that it was nearly light, and I saw that I was on a nice, grassy sward under a great, spreading elm—one of the most beautiful and noble trees I have ever seen. I can see that beautiful corner now—I always think of it as New Zealand corner. I pushed my

ROVER

MOTORING TALK

EVERY fortnight the Rover Motoring Company of New Zealand features on this page one of the motoring talks sponsored by them and delivered from 2ZW, Wellington, on Monday evenings. The interesting comments printed here were given by Mr. Lewis, Managing Director of the Company.

menu card into my pocket, started off, and did the 30 miles home in three-quarters of an hour. But the interesting part of the thing is that the factory which the Prime Minister opened a few days ago is almost identical in general detail with that which I planned in New Zealand corner on that early misty July morning.

You know, in spite of the slump, and all other difficulties which one comes up against in a strange land, it is a thrilling thing. Of course it is always interesting and sometimes troublesome, but wherever we had gone we could not have had such a wonderfully kind and considerate reception as we have had in New Zealand. Everybody has been most helpful. We have had our technical troubles, of course, but I'm glad to say these have not been mechanical in any way. New Zealand roads are rather different from ours, and, consequently, English bodies are built more lightly than those you want here. We have got over that by building our bodies entirely in New Zealand, using stronger timber than is used in England—good Southland Beech and fine English and New Zealand materials.

I want to thank everybody who has sent us good wishes in our works, and to invite any and all of you to visit us at Petone to see what is being done in the English motor industry in New Zealand. Please drop us a note asking when we

have an inspection party going round, and we will be pleased indeed to see you. The afternoon suits us best. In particular, we shall be pleased to welcome parties of older school children or students.

Now, a few minutes ago, I smote the pessimists hip and thigh. By that I do not wish to infer that we must not be careful. But there is a difference between care and panic. There is more accumulated spare money lying unused to-day than there has been for years. Everybody is nervous of any kind of enterprise and private purchases are unnecessarily cut down. You laugh at England for the dole—yet Mr. "Higho" tells you that children are going starving to school in Wellington, and I believe it. The Smith Family is gallantly trying to close the gaps in the multitude of official and unofficial organisations for relieving distress. Your leading morning paper is pleased to draw attention to England's folly in granting the dole, and yet cheerfully accept your Hospital Board as a proper channel for distributing relief. Isn't it doubtful whether the Old Country system isn't better—at any rate I haven't heard of any starving children there recently, and if there are abusers of the dole, can you expect anything else amongst 2½ millions of workless people. Probably 1/100 of 1 per cent. are swindlers, but they are not starving and all tax payers pay equally. It isn't left to the willing to carry the whole burden.

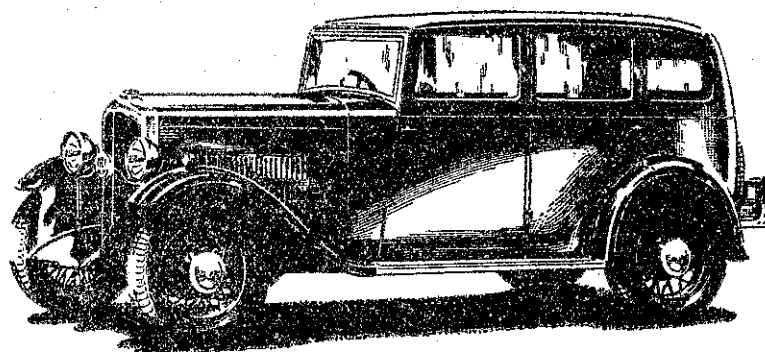
I believe something could be done by all unions and employers in the way of a general reduction of weekly hours, so as to make the work available go further. It would mean ever such a little less to the hundreds of thousands in work in order to keep the 50,000 who are not. I know there are various objections—but times are extraordinary now.

I have never been able to appreciate the arguments against this scheme, and, if anybody would be good enough to tell me any particular objections to it in New Zealand I would be extremely obliged. I know that it will be said that it is against the best interests of labour, and it is expensive from the employers' point of view. But times are as exceptional now as in 1916. When Jerry popped up in front of you with a hand-grenade in 1916, you didn't stop to discuss your aversion of homicide—you put him to sleep if you were lucky enough. So now, if we could drop pessimism and bickering, and get together as we did in those dark years of 1914/1918, we should emerge, not only more prosperous, but all the better for going through the refiner's fire—that is what matters I think.

**11/- in the £
of the price
Now remains in N.Z.**

In the new Rover factory at Petone, Rover chassis are assembled from components imported direct from England, and the bodies built to English patterns on frames of Southland Beech. Altogether, 55 per cent.—or 11/- in the £—of the moderate price of a Rover remains in New Zealand.

ROVER



The Rover Ten Saloon is now £24 lower in price—£295 complete. Improvements include, wire wheels with large chromium-plated hubs, improved tubular-framed adjustable seats, cushioned arm rest to rear seat, stronger chassis-frame, heavier rear springs, bodies built in New Zealand.

For fuller particulars, and the address of your nearest distributor, write to, The Rover Company of New Zealand, Limited, Box 1185, Wellington.

Lily of Killarney

Harison Cook and his company are to present excerpts from Benedict's opera, "The Lily of Killarney," at 2YA on Monday, March 14. These excerpts will include the famous "Cottage Scene," complete with dialogue. Those taking part in the presentation will be: Kathleen Jansen, Joan Ryan, Richard Maunder, Egerton Pegg and Harison Cook. The whole performance will take place under the direction of Mr. Cook.

IT would be difficult to find anything more suitable than the "Lily of Killarney" for presentation during what has been called "St. Patrick's Week."

Always a prime favourite in all operatic tours in Ireland, it also had many staunch supporters in England and Scotland. This was due to the wonderful manner in which Benedict wove delightful old Irish melodies into his score and the ideal play by Dion Boucicault, "The Colleen Bawn," upon which the opera is founded.

Few operas are blessed with such advantages as those with which "The Lily of Killarney" has faced the world for successive generations of theatre-goers. A good plot, plenty of wholesome Irish humour, and a wealth of Irish melody have undoubtedly been responsible for the fact that this opera is still a favourite though written so many years ago.

Benedict was born a German, but became thoroughly English, so much so that it was said that "only a very few knew that he was a born German."

He was conductor at Covent Garden and also at Drury Lane. While at the former he produced his "Lily of Killarney" and at the latter Balfe's famous "Bohemian Girl."

THE plot is an easy one to understand as it follows Boucicault's play very closely. Briefly it is as follows:—Hardress Cregan, a young Irish landowner, has secretly married Eily O'Connor (the Colleen Bawn), a beautiful peasant girl of Killarney but, unfortunately, the Cregan estates are heavily encumbered so, to repair the fallen fortunes of the House of Cregan, the mother of Hardress arranges to marry her son to the "richest heiress in Kerry," Miss Anne Chute.

The distracted Hardress endeavours to get Eily to surrender her marriage certificate. This attempt is thwarted by Father Tom, the

parish priest of Garryowen, and Myles-na-Coppaleen, a humble lover of Eily.

Hardress's devote henchman, Danny Mann, now tells Hardress that if he will, at any time, only send him one of his gloves "in token," the Colleen Bawn shall worry him no more. Mrs. Cregan, not knowing the full import of "the token" gives Danny Mann the glove, and Danny takes Eily to the Water Cave and there demands the certificate, and when she refuses he throws her into the water. Myles, who is poaching in the vicinity, fires at what he imagines to be an otter and hits Danny Mann. He then goes into the water, finds Eily and rescues her.

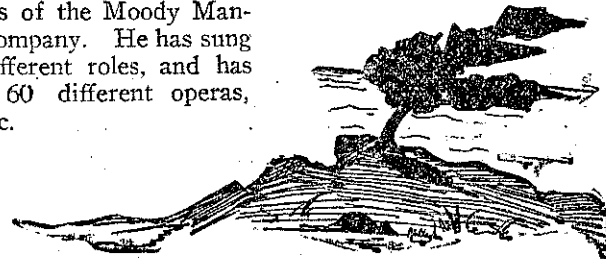
In the last act Hardress is about to marry the heiress when Corrigan, a "middle-man," causes the young man's arrest on a charge of murdering Eily, whose cloak has been found in the lake. Myles and Father Tom, however, appear with the living Eily and a death-bed confession from Danny Mann that he attempted the murder.

Hardress realises that he truly loves his wife, and the young couple are reconciled by Myles, who places Eily's hand in that of Hardress and says the famous lines:

"TAKE her, wid all my heart. I may say that, for ye can't take her widout. When ye cease to love her may dying become ye, and when ye do die, lave yer money to the poor, and yer widdy to me, and we'll both forgive ye."

* * * * *

Harison Cook, who is producing the "Lily of Killarney," is one of the most interesting personalities in the N.Z. musical world. He has had a long and varied experience in Grand Opera, commencing his career on the professional stage in 1906. In 1914 he sang at the Royal Opera, Covent Garden—a distinction he shares with only one other New Zealand artist. Following his demobilisation at the end of the Great War, he became principal bass and stage director of the Carl Rosa Opera Company, and for seven years toured Great Britain in this capacity. His most valuable operatic training was gained, however, as principal bass of the Moody Manners Operatic Company. He has sung in nearly 90 different roles, and has produced over 60 different operas, grand and comic.



Editorial Notes

Wellington, Friday, Mar. 11, 1932

WE are glad to learn that the suggestion advanced two weeks ago that a plebiscite be taken to discover listeners' views on certain aspects of broadcasting has been under consideration by the Radio Broadcasting Board for some time past, and that the decision has now been reached to take such a plebiscite during the forthcoming period for the renewal of licenses. An official statement to that effect is made in another column. Throughout the period March 15 to April 30 each listener on renewing his or her license at any post office in the Dominion, will be supplied with a printed sheet on which is set out in question form the information desired by the Board. This form, on being completed by the listener, is to be posted back to the Board (postage being borne by the Board on delivery of the document), when the replies will be tabulated and summarised. We congratulate the Board, not only upon its decision to undertake this questionnaire, but upon the comprehensive series of questions that has been drawn up. The ground covered in the issues put to listeners is most comprehensive, and undoubtedly, on being properly analysed and summarised, the replies will provide a definite basis of valuable information upon which the Board can formulate its programme policy for the future. The printing of the questionnaire is now in hand, and next week we will be in a position to publish details for the benefit of readers. In the meantime it is sufficient to say that in our opinion this effort to secure a real interpretation of the views of listeners is the most comprehensive that has ever been made anywhere. That claim is based, not of course upon the number of people that will be involved, for that in relation to the millions of listeners in overseas countries will be quite insignificant, but upon the breadth and scope of the questions submitted. We do not know of any plebiscite or vote taken anywhere in the world in relation to radio that has provided so comprehensively for the expression of the views of listeners. Some detailed criticism might be made by special enthusiasts upon one point or another, but in general we are sure the questionnaire will be received with satisfaction and listeners will, we believe, respond cordially to the invitation extended to them to indicate to the Board their tastes and desires.

IN Britain the British Broadcasting Corporation, owing undoubtedly to the immensity of its audience and the reaction of size into labour in analysing any comprehensive questionnaire, made no effort, to the best of our knowledge, at any time to ascertain by a plebiscite the desires of its patrons. Several newspapers, however, did interest themselves in the matter, with interesting results in the particular fields covered. The first paper to conduct any major plebiscite was the "Daily Mail," which in February, 1927, submitted a voting paper to the determination of its patrons. The outcome of that vote was an indication of the popularity of certain features of programmes. For the sake of historical interest it will be valuable to record the preferences shown in that vote. The result was:—

1. Variety and concert parties.
2. Light orchestral music.
3. Military bands.
4. Dance music.
5. Talks—topical, sport and news.
6. Symphony concerts.
7. Solos—vocal and instrumental.
8. Opera and oratorio.
9. Outside broadcasts.
10. Short plays and sketches.
11. Talks—scientific and informative.
12. Glee, choruses and chauties.
13. Chamber music.
14. Revues.

SOME three years later a further voting paper was issued to the British public by the "Daily Express." In general the same classes were submitted, except that the additional feature of religious services was incorporated. This class of broadcast, it is interesting to note, proved so much in demand that it came next in order of preference in the list to vaudeville items. Again, for purposes of comparison, this list is given:—

1. Vaudeville.
2. Religious services (not in the "Daily Mail" February, 1927, list).
3. Orchestral.
4. Talks.
5. Military bands.
6. Lunch-time music.
7. Plays.
9. Queen's Hall concerts (orchestral).

10. Gramophone records (unspecified).
11. News.
12. Children's hour.
14. Outside broadcasts.
15. Operas.
16. Epilogue.
17. Violin recitals.
18. Running commentary.

A LITTLE later in the same year, December to be exact, the "Daily Mail" returned to the question of the B.B.C. programmes, and once more invited its readers to indicate their preferences. On this occasion the issues submitted were limited to five, and the result of the vote was shown in the following table of popularity:—

1. Vaudeville (238,489 votes)
2. Plays.
3. Popular music (including dance).
4. Classical music (including opera).
5. Talks.

The last appeal to the public on the question of which we have knowledge was conducted by the "Daily Herald" throughout February, March and April of last year. This questionnaire was more comprehensive than that of the "Daily Mail" in the preceding year, and resulted in the following indication of comparative popularity:—

1. Vaudeville (variety).
2. Dance music.
3. News.
4. Light opera.
5. Military bands.
6. Opera.
7. Symphony concerts.
8. Gramophone records.
9. Concert parties.
10. Talks.
11. Sports commentaries.
12. Plays.
13. Chamber music.
14. After-dinner speeches.

ONE interesting point in these straw votes may be made, and that is that they were returned by newspaper readers, and not exclusively by radio listeners. Many of the voters might not have actually possessed sets, although doubtless they would be more or less frequent listeners. In our case the system that is being adopted makes it certain

that only actual licensed listeners will express an opinion, so that a true reflection of the views of those concerned with, and actually paying for, the maintenance of the service, will be secured. In the period of six weeks during which the vote will be taken some 50,000 forms will be issued. At the moment licensed listeners exceed 70,000, but experience shows that there is a definite "lag" in renewals at the beginning of the radio year, and, allowing for that fact, the provision made should be ample to secure finality. A closing date is fixed for the plebiscite, it obviously being impossible to leave the issue open indefinitely. We look forward with much interest to the final summaries that will be secured. A clear-cut indication of the relative weight of public views will be attained, and this will undoubtedly strengthen the hands of the administrators in their determination of the fare to be given. In that respect it is satisfactory to have this indication of the desire of the Board to learn and interpret the wishes of listeners. Thus armed, the Board will be equipped to reply with weight and effect to the representations of special interests. Further, a comparison between the preferences shown by listeners in New Zealand to those revealed by the British votes will be most interesting.

IT is satisfactory to know that the Coverage Commission, comprising Mr. A. Gibbs and Dr. M. A. F. Barnett, is now at work. An invitation was extended to radio societies and others interested to make representations to the commission, and as a result communications came from a number of quarters inviting the commission to visit the localities concerned. Due attention is being paid to all such representations. While the commission will be required to cover the whole ground for itself, it must not be thought that it will be tackling the subject *de novo*. It may be permitted, we think, to reveal that the Post and Telegraph Department has long concerned itself with reception factors in different districts and one of the duties required of its engineers in different parts was to report upon conditions attending reception of all stations available in their area. Mr. Gibbs, as head of the technical side of his department, will thus have had a good grounding on the general question, and will be able to supplement that basis of information with per-

sonal investigation where necessary. After discovery of the actual facts pertaining to different localities, it will be for the engineering skill and scientific knowledge of the commission to offer solutions that will most effectively meet the majority of the problems at an expense within the means of the Board over the next few years. This task is a most important one, and it is satisfactory that it is under way. We look forward with deep interest to the presentation of the report in due course, for its reactions upon the whole situation will be very far-reaching.

Coverage Commission

Representations Made

WHEN the committee of experts was appointed to investigate the question of radio coverage, an invitation was extended to radio societies and persons to make representations to the committee concerning those areas where reception is not satisfactory. This invitation has been largely availed of. Requests to visit various localities have been received and each one will be considered on its merits by the commission. A number of the complaints received are of a trivial nature and others refer to grievances which are beyond the powers of the commission. Matters are well in train for the commission to begin its work, and the members realise that they are tackling a difficult problem, or a whole series of difficult problems, theoretical as well as practical.

Talks on Russia

EXTRACT from a letter of a listener at Waihopo, in the far north of New Zealand:—We in this household and visiting friends desire to express our greatest appreciation and interest in the Saturday evening lectures by Major-General B. S. Merlin. Although speaking with the accent of his country, his command of English is excellent and well delivered, understood, and enjoyed.

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Keen Interest Aroused in Music Lovers' Competition

BY the time this is in circulation the first stages of the Music-Lovers' Competition will be under way. From 1YA on Tuesday the first section was launched, followed by 2YA on Wednesday, 3YA on Thursday, while 4YA will release its section on Monday.

The preliminary announcement that we made last week has excited a good deal of interest, and there has been much scanning of the special list of numbers from which the excerpts are to be chosen, which appeared in last week's issue. From week to week during the currency of the Competition these lists will appear, so that competitors will be able to refresh their memories of the actual titles of the numbers that are used. Everyone has had the experience of being quite familiar with a tune, but just not able on the spur of the moment to name it. The publication of the list is designed to remedy that position, and act as a refresher to memories otherwise excellent.

In addition to the special prizes awarded by the Wellington radio dealers and the Auckland radio dealers to supplement the cash prizes awarded in connection with the Competition itself, we are now able to announce that the Dunedin Radio Dealers' Association has donated the sum of £5, to be awarded in the form of orders on members of the association for radio goods. This donation will permit the allocation of special prizes in connection with the 4YA Competition as follows: First, special order for radio goods for £3; second, special order for radio goods for £1 10s.; third, special order for radio goods for 10s.

The Competition, as already announced, is to extend over a period of ten weeks, and, judging by the preliminary interest shown, will prove a very welcome innovation in the test it will apply of listeners' familiarity with well-known melodies and tunes.

This week's list of words appears on the inside front cover, and a specimen entrance sheet on this page.

Radio Cross-Communication

AN interesting radio cross-communication was effected on October 23 last, when Captain H. E. Webb, on board the Australian freight ship Canadian Constructor spoke to the Canadian Prime Minister, who was sitting in his office at Ottawa with the telephone on his desk.

This radio cross-communication was broadcast over the entire territory of Eastern Canada, and also to Australia, where it was relayed. The conversation was about the cargo of the Canadian Constructor, and about the commercial relations between Canada and Australia.

Exchange of Announcers

1YA and 2YA Affected

MANY listeners to 1YA and 2YA in the past week were intrigued by hearing "new voices" from each station. As Mr. Culford Bell, announcer at 1YA, was required in Wellington on business connected with the Broadcasting Board, the opportunity was taken to fill his place temporarily with Mr. Olive Drummond, from 2YA. The change-over was unannounced, and the reaction upon listeners was looked for with some little interest. At both stations telephone rings were prompt on the part of listeners, who were interested to inquire why the change was made. Evidently in these days of de-

pression the immediate thought on any change being detected, is whether "the sack" has been handed out! Those concerned in this were speedily reassured.

At 1YA cases were reported of bets being made between husband and wife and other listeners as to whether the receiver was tuned on to Wellington or Auckland, and in not a few instances the telephone was called upon to settle the issue.

The change will obtain altogether for about a fortnight, after which the respective announcers will return to their home stations.

Drugs by Wireless Surgery and Short-wave

Will surgeons shortly be able to administer a general anaesthetic by directing, painlessly, ultra-short waves on the brain?

Baron von Ardenne, a German scientist of 26, famous for his discoveries in connection with the Cathode ray oscillograph, which enables the course of magnetic storms to be traced and the position of an aeroplane in flight to be determined, is now experimenting in his Berlin laboratory with ultra-short waves and their use in medicine, says the London "News-Chronicle."

Baron von Ardenne has already demonstrated that he can stimulate any particular part of the brain, and can produce, if required, the same effect of insensibility as that of chloroform or ether and oxygen.

The correction of imbecility or mental weakness, it is understood, is another possibility to which the scientist is directing attention.

Dr. William Beaumont, medical officer in charge of St. Pancras Municipal Clinic, has stated that there may come a time when a doctor will be able to write out a prescription substituting wave lengths for drugs.

In 1929, Professor Esau, of Jena, claimed to have perfected a new death ray in the form of ultra short waves, which could be transmitted 250 miles without an aerial and by means of ordinary wireless valves. Germs in bacterial cultures, it was claimed, were killed instantly, and also animals of small size.

Only a few days ago the Marchese Marconi said that the ultra-short waves with which he was experimenting might be developed into a death ray. "Engineers tell me," he said, "that such short waves can kill mice and birds. I have not experimented with them as a death ray, but if you get in their path, your whole body begins to warm up."

THE transmitting station, Radio Saigon, is now effecting experimental transmissions with a new transmitter of 12 k.w., on a wavelength of 25.465 metres.

MUSIC LOVERS' COMPETITION. (For this week's list see inside front cover.)

Specimen Entrance Sheet

(Use plain paper).

Name: William Whizzbang.

Address: 123 Marine Parade,
Raetihi.

1YA MUSIC-LOVERS' COMPETITION.

(Alter name of Station as required.)

Item

- 1.....Annie Laurie.
- 2.....Schubert's "Wanderer."
- 3.....Gounod's Serenade.
- 4.....The "1812" Overture.
- 5 and so on.

Keep careful note of items for each competition entered until the end of the series, when the competitor's entry should be finally prepared and posted before a date to be announced, to the Editor, "Radio Record," P.O. Box 1032, Wellington, the envelope being marked "Competition."

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and
16 Prizes of 5/- each

Write to-day to the Secre-
tary of the

**New Zealand
Radio Hobbies Club**

Box 163A, Te Aro,
WELLINGTON.

WE are pleased to be able to say that the Broadcasting Board has had the matter of issuing a questionnaire to listeners in hand for some time. Within a week or two the printing will be completed, and it is proposed to issue the questionnaire to each applicant for a radio license during the period March 15 to April 30, inclusive.

A comprehensive set of questions is being put to listeners and considerable care has obviously been taken in preparing the paper. We understand that the board sought advice in several quarters on the subject matter of the questionnaire, and the finished product reflects great credit on all concerned.

A glance at the paper is sufficient to indicate that considerable work will be involved in assembling the information returned by licensees. This, we believe, will be done by means of modern machines suitable for the purpose.

Some 50,000 papers are being distributed, and it is hoped that listeners will not neglect to return the papers, the postage on which will be paid by the board on delivery.

We regard the completion of the paper as conclusive evidence that the board is out to give listeners just what they want, and it is for listeners to indicate this in their answers. The problems of programme-building will be brought home to everyone who answers the questionnaire, and one effect should be that a more tolerant view will be taken by the selfish listener who protests when items are broadcast which do not suit his particular taste.

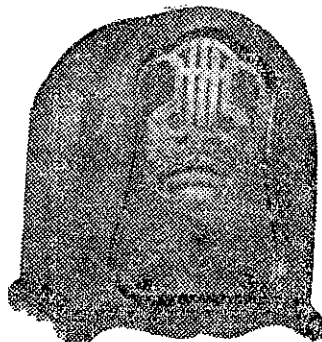
A detailed analysis of the summarised replies to the questionnaire will enable the board to put broadcasting in the Dominion on a much more solid basis, and all reasonable people will be assured that at last a serious effort is being made to give them their money's worth.

Short-Wave Club

Proposal in Auckland

A MEETING of shortwave enthusiasts to consider the formation of an Auckland Shortwave Club will be held in the studio of Station 1ZR at 7.30 p.m. on March 7. The meeting has been convened by Mr. J. R. Mc-

Crystal. It is felt that Auckland has lagged behind in interest in shortwave reception and work, and that the time is particularly opportune for the formation of a club, as the B.B.C. is erecting an Empire shortwave station at Davenport. The conveners are confident of obtaining a large membership, and, through the courtesy of 1ZR, intend to arrange for relays of outstanding overseas shortwave broadcasts.



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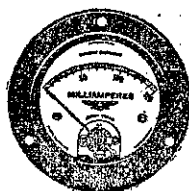
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Celebrated Russian Painist

Farewell Concert from 2YA

ON Sunday last, Vinogradoff, the great Russian virtuoso, made his initial appearance in a grand concert. We heard much of the Russian master before he came to New Zealand, and his broadcast consequently was looked forward to as an event of some importance. Nor were listeners disappointed. He played three well-chosen numbers. "Appassionata" by Beethoven, Chopin's "Polonaise in A Flat Major," and the "Concerto in D Minor" by Mozart. In this last number he was assisted by Miss Mavis Dillon, a young Wellington pianiste, who promises to have a distinguished musical career.

Vinogradoff is unquestionably a master. Technique, interpretation and colour are all combined in his playing. He holds and keeps attention as few pianists can. He takes his theme and delicately treats it, then almost imperceptibly develops it into a throbbing melody, reaching his climax with forceful splendour. His numbers are well chosen and present ample opportunity for colour and contrast. It is perhaps in this sphere that the virtuoso excels.

Prior to the broadcast the writer was privileged to hear him in two numbers—the "Sixth Hungarian Rhapsody" and "La Campanella" by Liszt. Probably there are few numbers that provide the scope that these do for technique and colour. In them Vinogradoff was superb. He is the possessor of marvellously developed and facile fingers, and consequently his playing has a light but masterful touch. In the thrilling notes of "La Campanella" his fingers appeared to flutter over the notes like a hovering butterfly. With ease and grace he develops the crescendo in that portion from the merest whisper up to a forceful climax. His technique in these passages alone shows him to be in the forefront of musicians. But flawless as is his technique, it is overshadowed by his interpretation, which after all, makes or mars.

Those who did not hear Vinogradoff have indeed missed an outstanding artist—one of the most brilliant who have visited our shores. It is hoped that some time in the future he will again be heard from our stations.

Associated with Vinogradoff were Aida Bulmas, soprano, Lucien Cesaroni, bass, and Mavis Dillon, pianiste.

Of Bulmas, listeners have heard only a little in the past, but as an operatic singer of distinction she has already aroused considerable interest among 2YA listeners. On Sunday last she fulfilled every expectation.

Cesaroni needs no introduction. Unquestionably he is one of the best basses in the country, and in his numbers, especially the "Rigoletto" duet, he gave a very meritorious performance. Cesaroni takes a very great interest in microphone work, and from 2YA he has done much for the music-loving populace. Sunday's concert was one of the high-water marks of 2YA broadcasts, and it is hoped that in the future more of this standard will be heard.

Experts Investigate Coverage Problem

Recently the Radio Board appointed Mr. A. Gibbs, of the Post and Telegraph Department, and Dr. M. A. F. Barnett, of the Scientific and Industrial Research Department, to investigate and report on the question of providing adequate radio coverage throughout New Zealand. The accompanying article outlines some of the difficulties which it will be necessary to overcome before a dependable service can be guaranteed to every listener, and discusses alternative methods of securing this end.

ALTHOUGH Dr. M. A. F. Barnett, of the Scientific and Industrial Department, has only just returned from Apia, it is understood that in collaboration with Mr. A. Gibbs, chief telegraph engineer of the Post and Telegraph Department, the problem of radio coverage is already under investigation. At first glance the problems that beset the commission appointed for this purpose may appear to be theoretical rather than practical. But the commission itself, of which Mr. Gibbs and Dr. Barnett are the sole members, is the first to admit that all manners of difficulties await elucidation.

The problem before the Coverage Commission is to decide how best to locate radio stations in this Dominion so that every centre of population may have a worth-while signal. This does not necessarily mean that every centre will be within crystal range of a transmitter, but it must be fed with a signal that is not marred by fading; it must be fed with a signal sufficiently strong to enable worth-while valve set reception without interference from outside noises.

The members of the commission are well aware of the limitations of the average radio broadcasting station transmitting on waves between 200 and 500 metres. The average crystal range of the transmitting stations handed over to the Broadcasting Board is about five miles. Investigations by many authorities the world over puts the worth-while valve reception range of this type of low-powered transmitter at not more than 25 to 50 miles. Beyond 50 miles an area of acute fading exists extending to about 100 miles. Within that area fading is severe whatever the power and whatever the wavelength selected within the present broadcast range.

It will be seen, therefore, that increased power is by no means a sure method of ensuring adequate coverage. Beyond the 100-mile range it is possible to receive a fairly reliable programme from even the low-powered stations at present in use in New Zealand. Nevertheless, sensitive receivers are necessary to do so. Increased power would therefore put huge areas within easy valve range of the present stations, and at the expense of severe interference from those stations to listeners near by.

Although increased power of the stations as they stand to-day would undoubtedly enable many listeners to enjoy worth-while service, there would still remain those unfortunate listeners who, through no fault of their own, were within the 50-100-

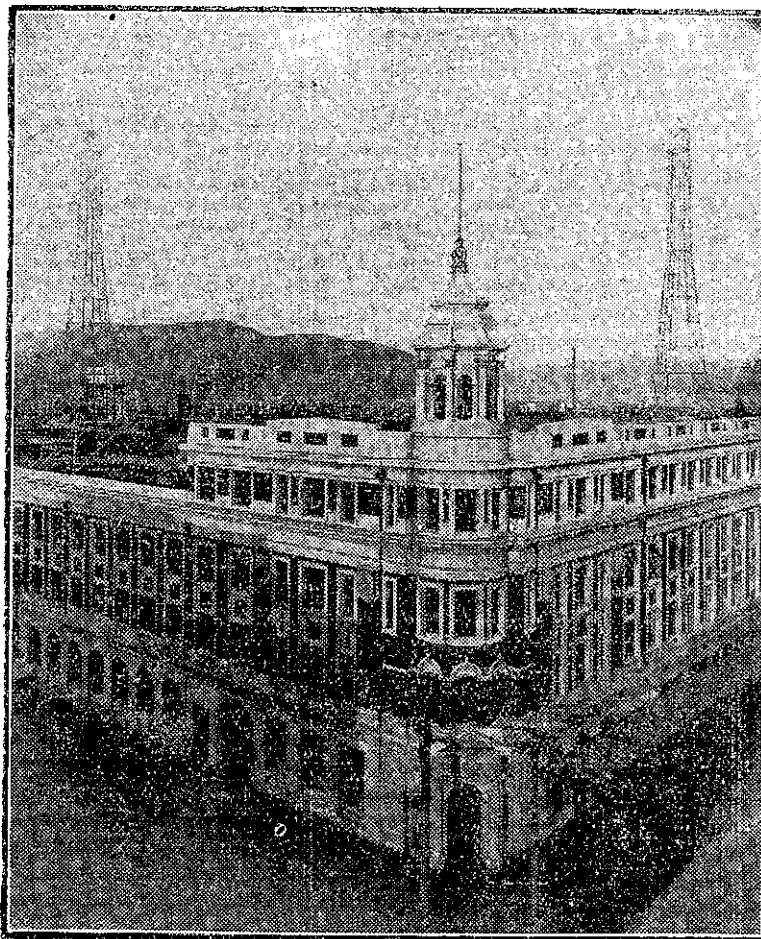
mile fading zone. Their only hope under those conditions would be to purchase super-sensitive sets capable of giving good results from transmitters some hundreds of miles away.

It is understood that the commission appointed to investigate how best to cover the Dominion with a hundred per cent. service has already considered the question of wavelength. It is well known that although the normal broadcast range of 200 to 500 metres inevitably has a 50-100-mile fading ring, stations which transmit on longer wavelengths, say, 1500 metres, have not this disability. Their first fading ring is pushed out to 300 to 400 miles. It would therefore be perfectly practicable to give a Dominion service from a high-powered long-wave station of this type. Indeed, this is exactly what has been done in England; for here sets are designed to cover the two ranges, 200-500 metres and 1000-2000 metres. Unfortunately, as something like 75 per cent. of listeners in New Zealand have bought American and not English-made sets, they would be unable to avail themselves of a Dominion long-wave station unless they either bought new receivers or made somewhat drastic alterations to their present ones. The obvious solution to our broadcast coverage problem has therefore come five years too late through no fault at all of the present board. It is by no means uncertain that the commission, nevertheless, may not see fit to make recommendations that involve a solution in this manner.

The only other solution that the commission has under serious consideration is to cover New Zealand by erecting low-power stations in bad areas fed with programmes from a main station. In this case land line problems will have to be investigated very carefully.

ALTHOUGH New Zealand has land lines second to none, it must be remembered that our air lines were never laid down with a view to their being used for broadcast feeding purposes. In order to ensure reliability, underground lines have been laid down for this purpose in England. Their one disadvantage is their huge cost, and the time they would take to lay.

Indeed, the commission will not necessarily advise the continued use of any of the present stations. It may be found after practical investigation and careful signal strength tests that a completely different layout of transmitters may give this Dominion a radio network calculated to be in the best interests of future (Concluded on page 24.)



The transmitting masts of 4YA. A large proportion of the energy radiated from all the YA stations is wasted over the ocean. Directional transmission has possibilities for New Zealand listeners.

Addresses Wanted

"Bimbo" (Rongotea) wants the address of RV59.

Answers to Correspondents

T.C. (Hammer).—The call sign of Marconi's yacht "Electra" is given by an American journal at 1BDX. The wave length is given as 26.70m.—"Gee Gee" (Timaru).

DX1420C (Dunedin).—A panel showing the interpretation of the "Q" signals appears on this page. American stamps are not obtainable in this country, so if you wish to send return postage you will have to obtain an international reply-paid coupon from your Post Office. The price is 5d.

M. E. Spiers (Greymouth) and others. —Your letters will appear in the first issue of the "Radio Times."

"Shortwave" (Glenside).—R.V.59.

"Bimbo" (Rongotea).—The addresses you have are sufficient.

News and Views

—of the—
DX CLUB

R.P.R. (Timaru).—Radio Prague, Czechoslovakia, operates on 614 k.c. (489 m.), with a power of 120 k.w.

Identification Wanted

Shortwaver on about 67 metres heard on February 25 between 10.30 and 11 p.m. transmitting what appeared to be the conclusion of a children's hour. Children sang "Follow the Band," and then a lady said "Good afternoon, everybody." This was followed by music—probably two re-

cordings—and then "God Save the King." Dial reading 45, nearest known station RV13, Siberia, 50 $\frac{1}{2}$.—E.G. Timaru).

At 10.30 p.m. on February 25 station heard on about 250 m. (1200 k.c.) broadcasting a Church of Christ service.—"Shortwave" (Glenside).

Foreign station to be heard any morning till about 6 a.m. on 705-710 k.c. (422 m.). Programmes appear to consist of rapid talk in a high-pitched voice. —DX123 OC (Timaru).

Stations Identified

DX910C station on approx. 910 k.c. (330m.) broadcasting organ music is KIIJ, Los Angeles, on 900 k.c. (333m.). —DX123OC (Timaru).

"Q" SIGNALS.

- QRA—Location of Station.
- QRH—Wavelength.
- QRI—Tone of Signals.
- QRK—Strength of Signals.
- QRM—Interference.
- QRN—Static.
- QRO—Higher Power.
- QRP—Low Power.
- QRS—Sending slower.
- QRT—Stop sending.
- QRU—Nothing further.
- QRX—Waiting.
- QSA—Readability.
- QSB—Fading.
- QSL—Acknowledgment.
- QSO—Contact.

R—Audibility.

- R1—Faint signals; just readable.
- 2—Weak signals; barely readable.
- 3—Weak signals; but can be copied.
- 4—Fair signals; easily readable.
- 5—Moderately strong signals.
- 6—Good signals.
- 7—Good strong signals; readable through QRM and QRN.
- 8—Very strong; readable several feet away from phones.
- 9—Extremely strong signals.

QSA—Readability.

- QSA1—Hardly perceptible; unreadable.
- 2—Weak; readable in patches.
- 3—Fairly good; readable with difficulty.
- 4—Good readable signals.
- 5—Very good signals; perfectly readable.

A full list of Ham abbreviations appeared in the "Radio Record" of April 2, 1931.

DX Topics

Heterodyne Interference.

FOR the last four months an American station has been heterodyning 2YA badly until 8.15 p.m., our time, which is 45 minutes ahead of New Zealand time. Can anything be done to prevent this?—M.D. (Chatham Islands).

[It is possible that your set is not very selective, and interference would be greatly minimised if you made it so. A complaint such as this would have to be very general before the frequency of 2YA could be shifted.—Ed.]

China on Shortwave.

ON February 22 I heard station XGO, China, operating on 39.5m. from Tientsin at R8, QSA5, using the "Night Owl Three." Has anyone his address? The set works well on 60 to 100 metres, but I have picked up only VK3ME, XGO, and one other station on 30-60 metres, I found it necessary to leave out the .25 meg. resistance across the secondary of the first audio transformer as it cut down volume and made oscillation difficult.—"Sparks" Tauberinkau).

[Try two or three extra turns on the tickler windings of the lower waveband coils. The resistance across the secondary of the first audio transformer was included to prevent instability. If the set works quite well without it it should be left out.—Ed.]

Listening for the Europeans.

ON the last few mornings I have been listening for the European stations, and although they can be heard at various strengths, I think it is as yet a little early in the season for good reception. Static is rather troublesome. Among the best are Bratislava and IRO, Rome, with Heilsberg, Leipzig, and EAJ7, Madrid, close seconds.—"Bimbo" (Rongotea).

Black-listed Stations.

IF any dxers have stations of this district black-listed and would care to write me, I would be quite willing to make personal inquiries for them. Incidentally, the manager of 2ZI remarked that they received quite a few letters without return postage, and that it is not fair to expect them to reply to these. To readers who can tune in 2ZI, they put over Les. Henry and his dance orchestra every Monday night between 8 and 10 p.m., and will broadcast request items. Congratulations to Mr. Stafford. His log is wonderful, but he can't ever go to bed. —DX2HB (Hastings).

The Causes of Fading.

RECENTLY we changed the locality of our wireless set, and are now on the sea coast. Conditions are rather peculiar here. All stations seem to fade, but some nights they are loud and clear with no fading whatever. IYA, however, sometimes has a surging fade, which sounds exactly like waves coming up the beach toward you, and then receding. Can the sea have any effect on reception? Also, I think the fading can be explained by lignite deposits (young coal) all along the cliffs, and no doubt far beneath our house. Oil is also to be found in the cliffs. I think, and there is iron sand on the beach. Would these two latter affect reception? In conclusion, I wish the Radio Board, the "Record," and the new "Radio Times" every success.—"Caractacus" (Dargaville).

[Reception across the sea is always stronger and steadier than that across land, owing to the absorptive effect possessed by the latter. Metallic deposits, in particular, are strongly absorptive. It is very doubtful if the presence of oil or coal deposits would affect reception in any way.—Ed.]

Notes on 4QN.

SOME facts about 4QN: Aerial, triple inv. L., 70ft. long, 40ft. high; input, 15 watts. They test every Sunday.—840C.

Recent Americans.

RECEPTION has been good during the week, but static is still bad. Latest loggings are: KEYI, Bismarck, North Dakota, 550 k.c., 545.4 m., 500 watts, heard at 8 p.m., Sunday, Feb. 21; KTAR, Phoenix, Arizona, 620 k.c., 500 watts (special anniversary programme); KGW, Portland, Oregon, 620 k.c., 1 kw 4BI, Brisbane, 217 m., announced that they are now using 600 watts and would welcome reports. The Europeans are still good, but static is terrific in the early morning. I am experimenting on the 1000-2000-metre band, and have logged two very weak European (?) stations, but have no way of identifying them.—H. F. Adcock.

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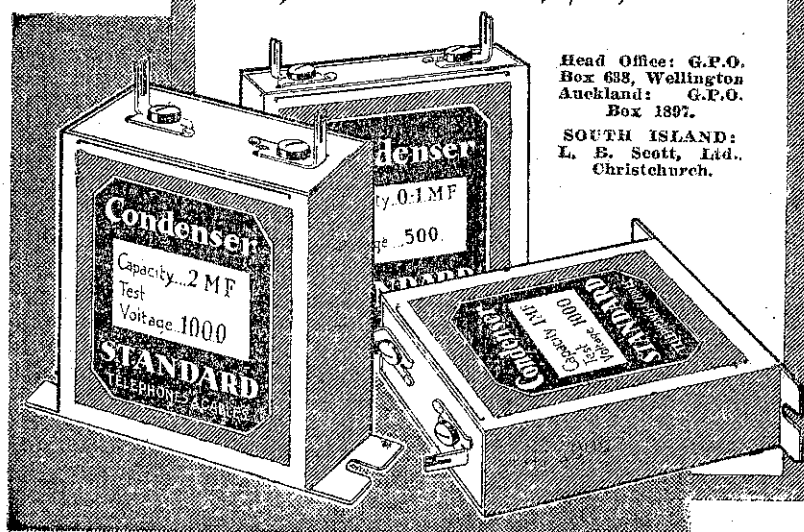
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Personnel of Advisory Council

Biographies of Members



It was announced last week, the Postmaster-General has appointed the Advisory Council of eight members to advise the Radio Board. The personnel of the committee, with brief biographies, is as follows:

Auckland

THE Rev. A. B. Chappell, who was a former registrar of Auckland University College, is on the editorial staff of the "New Zealand Herald." He has been closely associated with broadcasting for many years, and was a member and chairman of the IYA Musical and Dramatic Committee. The Rev. Chappell is well known from IYA, from which station he has given a weekly topical talk for some considerable time.



Articles from his pen have appeared in these columns in the past.

Hamilton

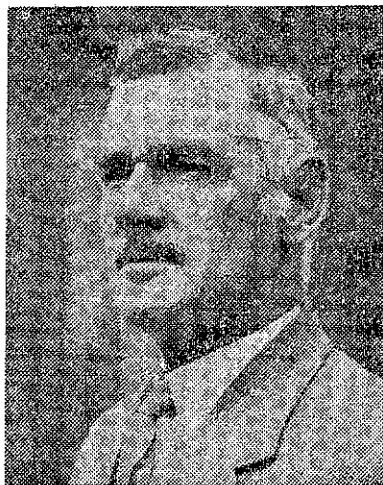
MR. J. S. ANCHOR has been associated with the radio trade for many years, and is the owner of station 1ZH, Hamilton. About eight years ago he, together with a handful of local radio enthusiasts, started a club which numbered among its members Mr. J. Orbell, who went to the South with the Byrd Expedition, and Mr. J. Bingham, chief engineer to the Radio Board. As a member of the club Mr. Anchor learned the code under an official from the P. and T., for unless one was acquainted with that the chances of hearing anything were very small.

"At that time," remarked Mr. Anchor, in conversation with the "Record," "our early experiments were with batteries and 'Ford' coils, when signals were sent out and received a few hundred yards away on a crystal detector.

"Like all other radio clubs, we had our ups and downs. Sometimes all interest in the club would die away, and then a few fresh members would revive it again.

"In those times our experimental stations broadcast on a 160 to 250-metre wavelength, but with the advance of short-wave broadcasting a year or two later, we made many con-

tacts outside New Zealand. On looking up our log book I find in an entry four years ago, March, 1928, we worked



Japanese, Chinese and Brazilian stations all in one week.

"About the middle of 1929 our local broadcasting station started operations on 535 metres, changing a few months later to 480 metres, its present wavelength.

"Broadcasting has made rapid strides during the last few years, and I hope to see the time when B stations are on the air daily, giving service in districts where the A stations are poorly received owing to distance and geographical situation."

New Plymouth

MR. T. T. DAVIS has been an active member of the North Taranaki Radio Society for practically its whole existence, and is now in his second year as president. For nearly three years he has been (for the society) station director at 2YB, and has been



primarily responsible for its running and administration.

He has always been keenly interested in questions affecting broadcasting—first from the listeners' point of view and latterly, from the broadcasting end. Mr. Davis hopes that such experience as he has gathered may, in conjunction with that of the other members of the council, be of some use in dealing with the matters which they will be called upon to discuss.

Palmerston North

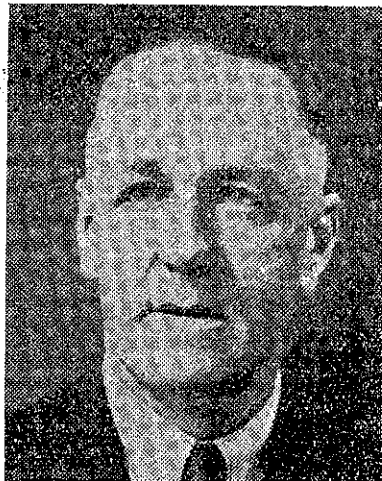
MR. W. A. WATERS, M.I.E.E.

A.N.Z., Soc. C.E., chartered electrical engineer, is well known as chief engineer of the Manawatu-Oroua Electric Power Board, and has taken a keen interest in radio since broadcasting became an accomplished fact.

He has held the position of president of the Manawatu Radio Club for many years, and designed and built the present broadcasting station 2ZF, at Palmerston North.

Mr. Waters is also a keen short-wave listener, and some years ago acted as official listener for the General Electric Company of Schenectady on numerous tests of wave propagation in the early developments of short-waves.

During a visit to the United States and Canada a few years ago, Mr. Waters visited many of the leading broadcasting stations of those coun-



tries, and at the headquarters of the General Electric Company at Schenectady, and he spent two weeks as a privileged guest of the company, investigating electrical matters, and all phases of broadcasting at their Radio Research Station.

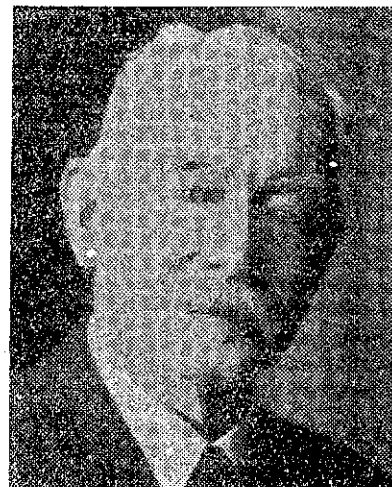
He has for some time past been keenly interested in the matter of signal strength of broadcasting stations, also noise level and radio interference, and has carried out investigations in the matter, particularly regarding interference from power lines. For some time past he has had the task as a member of the executive of the Power

Supply Authority Engineers' Association of investigating and tabulating the reports of all electric power supply engineers on this matter throughout New Zealand.

As the active president of the Manawatu Radio Club, which has a membership of 600 members, he has had experience of all aspects of broadcasting, extending over a period of seven years, and will bring to the council table a thorough practical knowledge of radio broadcasting.

Wellington

MR. J. H. OWEN was born and educated in Liverpool, and came to New Zealand in 1888, where he took up a position with Sharland and Co., Ltd. He attained the position of general manager, and now holds a seat on the board of directors. He is also a director of several other boards. He



is chairman of the Boy Scouts' Committee, Seatoun, and president of the Seatoun Football Club. He was vice-president of the Wellington Radio Society in 1924, and president in 1926. As president of the N.Z. Radio Listeners' League he took an active part in the advocacy of the system of board control for New Zealand. Mr. Owen has travelled extensively, and on two of his visits to London in 1926 and 1928, he saw much of the activity of the B.B.C. from Savoy Hill to Davenry. On his return he gave two talks from 2YA on "Broadcasting in Various Countries." He is much interested in music. Incidentally, he did a lot of solo work in oratorio and ballad singing for churches and charity.

His acquaintance with the Canadian, United States, English and Continental broadcasting systems should prove of some service to the board.

Christchurch

MR. C. R. RUSSELL is one of the Dominion's leading radio technicians. Educated at Christ's College, Christchurch, he later attended City and Guilds College, London, the Harvard University, and the University of Wisconsin, U.S.A., where he graduated M.Sc. He later became an associate (Concluded on page 23.)

"Not in the Know."

I WOULD like to reply to "Not in the Trade" for so kindly saying such nasty things about me as an unselfish "squealer." I am glad he signs himself "Not in the Trade," but how much better "Not in the Know" would have looked at the bottom of his letter. In spite of his nasty criticisms of "birds" like me, I would like to endorse his views. He seems to be labouring under a trivial misapprehension as to the purport of my original contribution.

I admitted that I did not think that the funds of the Broadcasting Board would stretch to the extent of allowing a subsidy to be paid to city "B" stations. Country "B" stations obviously have prior consideration. What I did say, and what I still say, is that I hoped that the board could relax the advertising regulations a little so that the services of stations such as 2ZW and 3ZO would not have to be curtailed. I am still certain that 95 per cent. of Wellington listeners would sooner listen to 2ZW with a little advertising than be forced to listen to 2YA with no advertising. I know that 2YA, being the most powerful New Zealand broadcaster, performs a valuable service to country listeners, but if town listeners would prefer to listen to "super programmes" ("Not in the Trade's" phrase) from 2ZW, why can't we have them? I am not asking that even sixpence of "Not in the Trade's" license fee be diverted to support the station. "Not in the Trade," be fair! Imagine us without "B" class stations. Imagine broadcasting as a State monopoly! By competition we progress. By monopolies we retrogress.—DX42W (Oamaru).

Dance Session Wanted.

ON Tuesday evenings 3YA is silent, and 3ZO is apparently off the air. On this evening also, 1, 2, and 4YA all

THE NEW SEVEN VALVE

ZANEY-GILL

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"Pentode"

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Our Mail Bag

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

close down at 10 p.m., and no dance music session is available. On Wednesday nights both 3 and 4YA are on the air until 11 p.m. Could not 2 or 4YA put on an hour's dance music from 10 p.m. for Christchurch listeners?—C. H. Iles (Christchurch).

Restricted Advertising Suggested.

WHEN we buy our daily or evening paper, as a rule we pay for 75 per cent. advertising matter. Nobody minds. Needless to say the average reader scans the ads., and derives a certain amount of benefit in doing so. We have been waiting on the radio authorities to come to light with a policy on broadcasting, and I think a humble listener ought to be pardoned if he suggests a policy for them. Here it is—in brief: (1) All radio broadcasters to have a minimum output of 250 watts; (2) a separation of 10 kilocycles between all stations except when time-sharing; (3) broadcast schedule to contain not more than 20 per cent. of time in advertising; (4) all licenses to be reduced to 10/- per annum, and the money so derived to be used for the purposes of control and administration of radio solely by a commission (such as in U.S.A.). In connection with this recommendation, I wish to say that I have listened lately to American stations advertising during their broadcast schedules, and have been as much interested in their ads. as in the entertainment part of their programme.—James Bain (Port Chalmers).

Hints to Teachers.

AS a keen and enthusiastic listener I would like to express my views on the present position. Most of your correspondents are attacking the Broadcasting Board, but I think that if the board were offered some helpful suggestions we would be getting somewhere. There is certainly a larger variety of entertainment in a recorded programme, but why should a country like New Zealand have to import its entertainment? To cut out all local talent would be a calamity. The ladies and gentlemen who are training our entertainers are the culprits. They should realise that conditions to-day are very different from 20 years ago. Before broadcasting became general an entertainer had to face a very critical audience in a large hall, and then only two or three times a year. Their general appearance, facial expression, etc., were all studied, and they were not their natural selves. When entertaining father and mother and the family at home they could sit down at the piano and play or sing in a totally

different manner. Now, sir, this is the form of entertainment they should be giving us to-day. There is far too much orchestral work. We do not usually have a full orchestra in the sitting-room at home. More instrumental solo work and songs at the piano, with a fair proportion of simple and humorous entertainment, is generally looked for. Thousands of young people are trained as entertainers each year, and our competition societies are endeavouring to bring these people out, but their energies are being sacrificed for scratchy old records and usually very crude humour, which possibly is quite good where it belongs. I think the static during the last few months is affecting our nerves, and we do not really know what we want.—Reform.

Morse Interference.

IN your issue of the 5th ult. there appears a letter from a correspondent complaining of Morse interference with broadcast reception, and in an editorial comment on the letter you state that "undoubtedly" the interference was caused by signals from amateur transmitting station.

The Auckland branch of the New Zealand Association of Radio Transmitters wishes to protest against your statement. There was nothing in your correspondent's letter to indicate that the interference was caused by an amateur; in fact, rather the reverse, as the frequency of the interfering signals would show the cause would probably be transmissions from ships. A receiver, not in an oscillating condition, would be incapable of picking up the clear-toned symbols of radio telegraphy. Interference, if it occurred, would be heard in a broadcast receiver as a series of thumps.

The Auckland branch of the N.Z. A.R.T. is willing at all times to investigate cases of alleged interference with broadcast reception and to take effective steps to discipline any member proving to be a source of annoyance to broadcast listeners. At the same time it is thought that an unqualified assertion that Morse interference is "undoubtedly" caused by amateur transmitters is quite inaccurate and likely to lead broadcast listeners

into a wrong impression of the amateurs' activities and their value to the community.—G. McB. Salt, ZLICK, hon. secretary.

Technical Equipment.

I AM and have been in this radio game—technical and otherwise—for a period of over eight years, and I feel quite justified in making these remarks through your columns.

When we had the R.B.C. in control of broadcasting, they were a company not working a public benefit scheme, they had to make a profit or were supposed to.

Under those conditions we could not expect our 30/- worth to be spent on our own selves. Now, it belongs to us. I say, we listeners should have a say in things in general.

My first proposal is that every listener licensed be issued with a vote, postal or otherwise, by the Board or perhaps your worthy paper. On this vote the listeners could vote on programmes, say, under four headings, viz., popular, humour, classical and plays and lectures; of course, dance music would come under popular, etc. Now "Ten Per Cent." wrote wanting more high-brow music. If the listeners' votes were apportioned out, say, popular 40 per cent., humorous 20 per cent., classical 25 per cent., and plays, etc., 15 per cent., the programmes would be divided likewise, and everybody should be satisfied.

My next proposal is urgently needed. Better technical equipment in 1YA, 2YA and 4YA; also one short-wave transmitter working in conjunction with 2YA; the wave to be in the vicinity of 30 and 40 metres, as my experience over a long period of listening convinces me gives best all-round performance.

Why should a "B" class station in Dunedin, with an output power of 100 watts, 100 per cent. modulated, compete against our 750-watt station, 4YA, more or less to the detriment of 4YA? This should not be, as 4YA has all the advantages bar, perhaps, technical equipment.

Also, the Board is making the biggest mistake possible by curtailing the announcer's personality which truly makes some stations popular.

My YL used to "hit the roof" if I switched Mr. Drummond off before his famous "Good-night" was spoken. Now she "hits the roof" proper. For the Board should be compelled to listen to the listeners' views. Do they read your paper or other papers, or are they extraordinarily thick in the hide? Suggest you send them "Radio Record" free each week.—S. T. Gossling. [We do.—Ed.]

Coverage Question.

THE most important point concerning the coverage question has not been mentioned. The system adopted must be such as to increase the number of listeners by making it possible to use smaller and consequently cheaper sets. The average set in England must be around £5, as compared with £30 in this country. This is because every listener can get two main stations in the day time and three or four at night. This

WHY?

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

BURGESS RADIO BATTERIES

is as it should be in New Zealand, and it is doubtful that even 200,000 listeners would mark the saturation point. The present state of radio affairs is another example of economic waste when comparisons are made with other countries. We look to the Radio Board eventually to correct this state of affairs, and merit congratulations on the steps already taken in this direction.—W.C. (Hastings).

Radio Club Affiliation

IN response to a request through the columns of your paper re the affiliation of the New Zealand Radio Clubs, I am directed by the Buller District Radio Society to forward the following recommendations:—(1) That a conference of delegates from all Radio Clubs in New Zealand be held in Wellington on Easter Saturday. (2) That this conference organise the New Zealand Radio Society and set up an Executive.

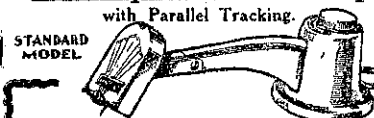
As members of various clubs may be travelling during Easter, it was thought that Easter Saturday would be the most suitable day on which to hold the conference.—R. D. Moloney, Hon. Sec.

[The "Radio Record" is willing to convene a meeting provided a sufficiently representative gathering can be assured. Would those who could be present advise us as soon as possible?]

"Made a Mistake."

THE board made a mistake in altering the station announcements in the way it did, although, as "Accountant" says in this week's issue of the "Radio Record," the board has as much right to its own style of announcements as had the Broadcasting Company. There were a lot of things the company did wrong, and it was the devil's own job to get them put right. If the company had been more amenable to reason and the interests of listeners it would have fared better. I think the board is to be commended on the system of announcing now in vogue. I would like to commend, too, the introduction of the closing down melody. That just caps the programme in right style.—Radio Salesman.

New Harlie Gramophone Pick-up



Gets the best out of your Records—New notes—New full tone—Easily fitted—Light on Records.

Pick-up, complete, with built-in volume control and hinged arm, Florentine bronze finish ... 42/-
Rest for pick-up head, Bakelite, 1/9
Automatic stop with A.C. switch, 12/6
Pick-up head only, with clamp, 30/-

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Quick March!

"KAIWARRA," who suggests a monster petition to the board in regard to announcements can now wear a smile of self-satisfaction. It is talk like that which would strike terror into any board and bring it to its knees. A grand march on Parliament should have gone further and proposed that a grand march on Parliament should be organised. I would suggest that he keep this steadily in view, for the occasion will probably soon arise when it will be necessary. I can see that this board thinks the programmes should be titivated up a bit, and we are going to have a lot of trouble with it. It is also quite evident already that it is not going to please everybody. So I would suggest that Kaiwarra should at once set about organising a "Grand March" on "Parliament"—thousands of unemployed would be only too pleased to help a good cause—and the whole thing could be set to music, on the lines of the "Grand March" in "Tannhauser." I am sure it would be very effective, and would be a fair stopper on the board playing any more hanky-panky tricks with the old style of programmes.—Conservative High Brow.

"Go To It."

I WOULD like to congratulate the Broadcasting Board on the further improvement it has made to the programmes. I refer to the introduction of a closing-down melody which makes a splendid finale to the evening's entertainment. No doubt, there will be a lot of complaints at this departure from the old cut and dried form of concert, for radio listeners seem to be an unreasonable lot. They are always wanting variety and change, and yet when a change is made there is a chorus of grumbings. It seems as if the board will have to introduce changes gradually. It is a case of trying them out on the listeners to see if they will stand them. I would say to the general manager: Carry on with the good work and make as many changes as you can.—Khandallah.

Not Necessarily Right.

WHAT a burble "Accountant" writes! If his figures are as involved as his reasoning he must be a queer tradesman. The policy of "what is, is right," seems to be his—and he is welcome to it, for I think he is all wrong. This suppression of individuality is all right in certain vocations, but in one such as broadcast announcing it is all wrong. As someone said the other week, "If you want to hear real announcing tune in the Yanks." The announcers are entertainment in themselves, and whilst I would not go so far as to suggest our announcers follow their style altogether, I do make the plea that they be given more scope.—Stone-cracker.

The Real Trouble.

THERE has been much writing by all and sundry about the broadcasting of entertainments, both prior to and since the taking over of the Y.A. stations by the Government, but I think that so far the main trouble has been missed.

In the course of my duties I go about a great deal among listeners, and two impressions will serve to introduce my main point. (1) An afternoon in any radio owner's houses: I knock at the door, noticing on the other side a babel of sound. On the door being opened, part of the noise ceases, the children

who were playing coming to see who the visitor is. But the other part—the local radio programme—carries on. I am admitted and go about my business. The children, not being interested in what I am doing, start up their interrupted game, and the hum of conversation denotes a visitor, or visitors, and still the radio carries on. (2) I am invited out in the evening to a game of cards. I'm hanged if I can play cards with a radio programme in progress at the same time, but I do my best and then sit back to listen to the broadcast. However, apparently my neighbour is reminiscent, and the fact of my years and nays being in wrong places does not deter him. As far as I can see, in both these cases no one has had any enjoyment out of the radio. Apparently the Broadcasting Board have something of this in mind when they neither announce nor publish the dinner music items—any old noise will do. And in a fairly large percentage of cases, any old noise will do to create all the atmosphere necessary, because the music as such is absolutely not heard. Do we listen to our programmes? I'm sure we don't, and why? Is it because of too big a preponderance of either symphony or jazz? Again, I don't think so. I think the trouble is that we are too well catered for, and are too prone to make gluttons of ourselves over the good fare provided—not then being able to enjoy any particular item that otherwise would individually have appealed to us. According to my mood and health, I sometimes want one type of radio entertainment, while at others nothing but the direct opposite will satisfy, and if I want one type and my wife wants the opposite type, how can either enjoy a programme that is annoying the other? This raises the question of atmosphere, which is no concern of the board, but enters largely into the listener's enjoyment of radio programmes. My contention is that, providing the board will strengthen the power of its existing stations or use any sane method to ensure a selection of types over as large a portion of New Zealand, and over as many of the

16 or so listening hours as finances will permit, we will be each the masters of our own radio destiny, and should not complain that there is too much of this or that fare provided in proportion to any other.

There are, of course, several handicaps to intelligent listening, but with a little patience and a switch-off switch, none of them are insurmountable. Atmospheric conditions have a habit at times of introducing static or distortion indiscriminately, and there is nothing more annoying than to have an item, or series of items, served up in the form of mush. Other forms of interference, including the ever-present howler, I will leave with just this mention: the Broadcasting Board cannot deal with them half so quickly or effectively as the listener himself can. The crystal-set owner who reads this far will doubtless ask where his power of selection comes in. I say that he can select the items he wants to hear, and get them more consistently than the multi-valve set owner outside the towns, who on some nights has nothing but his gram. worth listening to. I proffer the following advice to those who wish to enjoy their radio programmes, "Don't be greedy."

With regard to the B station situation, I have already had my opinions published in your paper, but I would like to be given this opportunity to reiterate a protest against the numerical surplus, and consequent overlapping of stations, especially on the lower portion of the broadcast band as at present.

There is one other subject that I crave space for, and that is this: I would like to publicly, through your columns, thank the station directors of 2ZW for the 11 o'clock Sunday morning session. It is one of my greatest radio pleasures to be able to bring this service in to my home.—K.O.P. (Carterton).

(Concluded on outside back cover.)

Don't forget to procure your copy of February "Log"—Special Call Sign Issue, PRICE, 6d.

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QUESTIONS: ANSWERS

FRANK KEE.



S.J.W.S. (Invercargill): A description of the short-wave adapter appeared in the 1930 "Guide." The superhet. type appeared in the 1931 "Guide," and it is likely there will be an adapter in the 1932 "Guide." Your set is quite a well-known one for doing ability.

CURIOUS (Timaru): We regret we cannot supply circuits. If you will look through your back numbers you will probably find one fairly close to what you require. A s.g. set, if properly adapted, will not radiate.

NEW CHUM (Dunedin): 250 volts are quite suitable on the plates of 245 valves. Yes, the transformers will be suitable, but we cannot make comparisons between makes. You could use the inductor dynamic speaker with the "Radio-Gram."

J.B.G. (Hamner Springs): All four valve sets are very broadly tuned. The Shielded Five would certainly be better, but we should advise you to wait for the new four-valve set which will appear in the "Radio Guide." The Shielded Five is rather out of date.

MULTI-MU (Otago): Will I be doing any harm by taking an extension speaker direct from the plates of a valve?

A.: No, but it would be a better plan to take the lead from the plates of the valve through an output transformer and then on to your extension speaker. By doing that you would prevent direct current flowing through the wiring of your house, which is wasteful and for that matter dangerous, but when you come to the voice coils you are past the 25-1 step-down transformer, and it is no wonder that the reproduction is weak. Transformers do not always strengthen signals. A certain amount of matching must take place before any improvement is noticeable. However, by using the transformer you are keeping back the plate current from flowing in the extension wire, which is desirable.

C.B.R. (Temuka): A half amp trickle charger would certainly not shorten the life of your battery. If anything, it should lengthen it, because you are charging constantly at a low rate, which is advisable. You have probably struck a bad battery and have been unfortunate.

CRONA (Napier): A noise similar to static has developed in my set. It is still present when I take out the two r.f. valves.

A.: Take out the detector valve and see if it stops; go on from that to the audio valve and you will find out exactly in which place it is. It is probably due to a broken-down condenser or a defective transformer. The trouble may possibly be in a valve itself. Are you quite certain that all your connections are solid.

G.P. (New Plymouth): In my five-valve set I am using four PM6's and one A615 as detector. Is that a good combination?

A.: We wish you had heard our ejaculation when we read your question. The answer is no, no, no. In fact, we think you could not have found a worse combination. PM6 is a power valve. How long do your batteries last, two weeks? You should use 221's in all stages, except the last, where you use a PM6. A615 would be quite satisfactory for detector.

2. I pick up a great deal of noise from the trams. Is there any way of mitigating the noise?

A.: In reality there is very little you can do. See that your aerial is at right angles to the power noises; try a different earth, and if necessary use a shielded lead-in wire.

3. My aerial has been up for four years. Would it be to my advantage to erect a new one?

A.: We doubt it, providing corrosion has not taken place and your insulators are reasonably clean.

RADIO TRICIAN (Te Awamutu): When and in what centre nearest Te Awamutu will the next radio serviceman's examination be held?

A.: That is more than we can tell you. Full particulars will be announced in the "R.R." when they are available.

2. What conditions or regulations have to be complied with in entering for the exam?

A.: Before you can be granted a certification you must have had three years' experience in radio as a trade or professionally, and be cognisant of the regulations appertaining to the installation of radio sets as well as the technical practice entering into their servicing.

3. Where can the syllabus be obtained?
A.: Write the Registrar, Radio Serviceman Examination, c/o the New Zealand Employers' Federation, The Terrace, Wellington. We are sorry we cannot give names and models of sets, as, although there would be certain advantages from the reader's point of view in doing so, there is always a possibility of trouble so far as the trade is concerned.

RADIO (Wellington): Would a seven-valve super het. be better than a nine-valve for dx work?

A.: We see no reason why it should.

2. If an electric set earths through the mains, should it have a separate earth?

A.: Try it with a separate earth. Sometimes it will go better.

3. My lead-in is three feet from a stray wire. Would this have any effect on reception?—Probably not.

A.H.S. (S. Cant.): Writes regarding an inquiry of D.C.D. (Auckland), stating that the circuit he required appeared in "Wireless Weekly" of November 27, 1931.

A.E.S. (Rewa): On adding another audio stage my set squeals. Removing "C-1" improves matters slightly.

A.: Take the grid bias battery into the set itself and so shorten the grid-lead. Your layout is not of the best. Probably this alteration will clear things up. Try reversing the primary connections to the second audio transformer. Your aerial system appears to be quite satisfactory.

H.A.I. (Hamilton): No. The circuit for extra stage of an r.f. s.g. for the "Radiogram Five" has not been published. If you wish for it, however, we shall post it to you. It is not a

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Henney's Principles of Radio, 20/6.
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"Wireless Constructor," Feb. 11d. (Full size blue print of S.T. 300 Scott-Taggart's amazing new set).
"Practical Testing Systems," by Rider. 8/-.
Lentz & Gable's "Short Waves," 19/-. (A wonderful book on subject).
"Radio Retailing" (U.S.A. monthly). 2/1 per copy.
"Radio Amateur Handbook" (Handy's 9th edition), 6/6.
"Experimental Radio," by Ramsey U.S.A. (explains theoretical and practical points not hitherto published), 22/6.
"Collins's Wireless Diary, 1932," 4/6 (on its own).
"Radio News," Oct., Nov., Feb., March. 2/- each.
"Q.S.T.," Sept., Oct., Nov., Dec., Jan., Feb. issues. 2/- each.
"Audel's Radioman's Guide," 6/9. (Recommended for servicemen's exam. with "Modern Magic Carpet," 5/-).
"Radio Amateur Call Book," 6/6. (Please note there is a rise of approx. 63 per cent. on all American publications, and don't blame us.)

OUR LOCAL AGENTS:

Auckland: F. R. Jeffreys, 466 Queen St.
Napier: Storkey's Bookshop.
Palmerston North: Radio Supplies & Service Co. (E. B. Borham), 245 Main St.
Blenheim: Tomlinson & Gifford.
Nelson: Keith Walker, Baird's Buildings.
Timaru: J. H. Healey, Bookseller.
Christchurch: A. T. Williams, Bookseller, 85 Cashel St. W.
Dunedin: H. H. Driver, Bookseller, George St.

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Number of valves

Name

Address

.....

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Nom de plume

To be kept in subsequent inquiries.

Date

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- (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.

practical proposition to use an a.c. valve for a shortwave battery set.

2. What alteration is necessary to use 201A valves in a two-stage r.f. B.D. receiver, now using 199 valves?

A.: Only re-neutralisation. 221 valves, but 221 valves will be better than 201A's.

NEW STARTER (Paparoa): We cannot understand why you can only get outside of New Zealand and not New Zealand stations. Surely you have made your difficulty not quite clear, and as it is we cannot give you the information you require. You should contact the dealer who sold you the set.

OMSK (Whakatane): Your easiest plan is to find the speaker voice coil leads to the output transformer and put a switch in one of these. When you use your phones, cut the speaker out by means of a switch. There is no need to worry about the field coil of a speaker. If you cut that out you will probably render your circuit inoperative. If the output transformer is at the speaker, you must break the speaker side of the transformer.

FOX (Otahuhu):—I have a 100ft. aerial 40 feet high, and have found my super-het very selective. Would I improve sensitivity if I used a longer aerial, still maintaining the same height?

A.: In all probability, yes. Super-hets. are very selective, and a long aerial will have very little broadening effect on the tuning. However, you will probably bring in far more noise if you use a longer aerial.

2. My valves require renewing. Would it be possible to substitute some of the screen grid valves, such as the multi-mus and pentode?

A.: No. The set must be specially designed for these valves to incorporate them. Alterations would be more than slight, and would certainly not be worth while.

4. You could have a phones connection made, but it is doubtful whether it would greatly increase the range, as you would also bring up the noise level. Connection would be neither costly nor dangerous.

6. It is unlikely that altering the aerial and earth terminals would have any effect on your set. They will probably do the job you want done perfectly satisfactorily.

7. There is a slight hum in the transformer. I put this down to a loose lamination, and had the transformer repaired, but have noticed it again. Could you suggest a remedy?

A.: Quite frequently this is due to their design, and at other times to small faults in manufacture, but provided it does not interfere with your reception, it is not worth worrying about.

M. R.G. (Wellington): It is questionable whether the P. and T. Department would pass your adapter. Being of the autodyne type, and directly coupled to the aerial, it would be a very prolific source of oscillation. In fact you could almost call it a small transmitter. It would not improve the "Kestrel Three."

2. A differential condenser would be of little value; an earth connection is usually unnecessary with a shortwave adapter.

3. Yes; by constructing broadcast coils you could make it into a super het. adapter.

N.C.C. (Hanmer Springs):—Could I use the parts of my 5-valve commercial set to build the Super Six?

A.: You could use those parts which are suitable.

2. You could use your d.c. eliminator quite satisfactorily for the "S.S."

3. We regret we cannot publish details for the coils as they would certainly occasion you great difficulty in manufacture.

WAYBACK:—I have an old battery set of six valves. What is their designation from left to right?

A.: Had you told us your model we could have been more exact in our reply. However it is probable that the first three are radio frequency followed by the detector, first audio and power valve. The last one should, by the way, be a power or semi-power valve (B605 class), not A609. B605

would require to be biased by about 9 to 12 volts, depending upon your "B" voltage.

2. The set is clear in daylight, and not so at night. Why?

A.: It is due to your locality and not to your set.

E. H. (Rotorua):—Try Johns, Ltd., Auckland, or Fear, Wellington.

CHAS. (Auckland):—I have built a choke, but this cuts the volume down about 50 per cent. Is this correct?

A.: Certainly not, but you haven't given enough particulars to let us know exactly to locate the fault. Probably your choke has too high a resistance.

2. Would a small dynamic speaker be as effective as a cone speaker?

A.: Yes; modern dynamic speakers are quite as efficient as cone speakers unless the latter are of a very light type. A dynamic speaker would give you much better quality, although if you do not have full voltage and a power valve you would not get all that the speaker is capable of delivering.

FOXY (Hokitika):—During the last week or so my set has become jumpy and noisy. I cannot turn up the volume without introducing mushiness, also the set is generally much weaker.

A.: There are many things that can be at fault. The "quality" condenser across the last transformer may have broken down; the grid resistance in any stage may have gone; one of the coupling resistances between the detector and the first audio may have broken down, or a resistance for that matter in any part of the set may be giving trouble. It is really a case of calling in a serviceman.

107 (Waipukurau):—We think the orthodox aerial would be the better. The fact that you propose taking a lead-in from a point other than the centre would materially offset any other advantages that the proposed aerial would possess.

SUPER (Taranaki):—In building the "Cathode Super," using battery valves, should I wire the 15,000 resistance in series with the oscillator lead, and connect it to the grid return, or how should it be connected?

A.: The method of coupling the oscillator employed in the "Cathode Super" can not be employed with battery valves, and will have to be placed by a feed to a pick-up coil coupled to the coil tuning the first detector. Any standard superheterodyne circuit will show the arrangement. The change, of course, to a great extent spoils the performance, as a short-wave receiver, although we believe that with a certain amount of experiment the same excellent results as are obtained with the original arrangement could be achieved with this method also.

2. Using 135 volts "B" eliminator, what value of resistance should I use?

A.: As with a battery receiver grid bias must be separately obtained from batteries, the biasing resistors leading the various cathodes to earth should be dispensed with altogether. The screen and plate resistances may remain the same, or may, if desired, be slightly reduced all round to compensate for the lower voltage available.

3. Either 200 or 250 turn coils may be used.

4. The primary turns are 40, although the addition of four turns will make not the slightest difference.

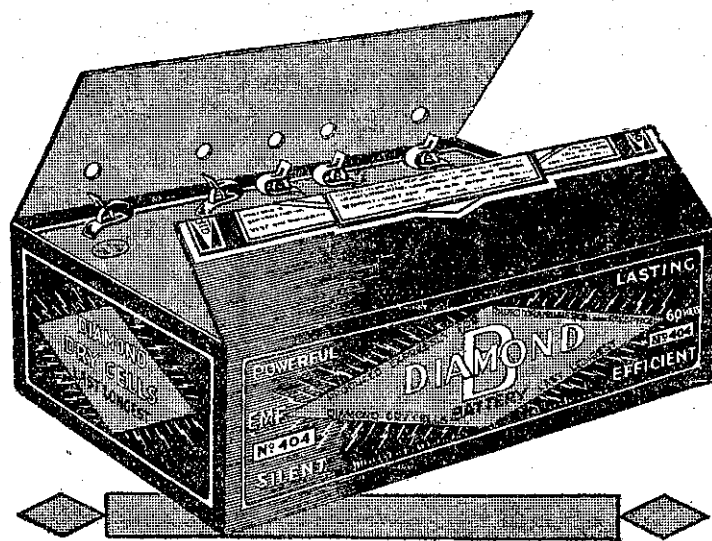
J. W.T.N. (Ward):—What is the voltage supplied to the radio frequency part of the set by the power pack?

A.: 120 volts—current about 20 to 25 milliamps depending on the particular valves employed.

2. Instead of honeycomb coils could one make a band-pass filter by winding the primaries and secondaries so that one would fit within the other?

A.: No doubt satisfactory filters could be constructed on these lines, but the particular mode of construction suggested is likely to result in the coupling being much too great. Under these circumstances the band-pass effect will almost certainly degenerate into an altogether objectionable double-hump resonance curve. Why not

(Concluded on page 23.)



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Feature Peeps

At

Future Programmes

SUNDAY From 1YA

DIVINE service will be relayed from St. Andrew's Church, Auckland, the preacher being the Rev. Ivo Bertram, and the organist and choir-master Dr. Neil McDougall.

During the evening the Municipal Band Concert, under the direction of George Buckley, will be relayed from the Albert Park.

Wellington Notes

THE service in Vivian Street Baptist Church, which will be broadcast by 2YA, will be conducted by the Rev. L. J. Boulton-Smith. Mr. Charles Collins will be organist and choir-master.

The after-church studio concert will feature Naomi Whalley and William Watters, the Palmerston North singers, who, in January, appeared for the first time on 2YA programmes, and met with the greatest appreciation. On this occasion they will be heard in solos and duets.

Recorded numbers, band, orchestral and vocal choruses will complete the evening's programme, which will close with a recording of "Auld Lang Syne."

From Christchurch

THE service in Holy Trinity Anglican Church, Avonside, will be broadcast. The Rev. O. Fitzgerald will be the preacher, with Mr. Arthur Lilly at the organ.

The evening's concert programme, which will be relayed to 4YA, Dunedin, and 4ZP, Invercargill, will be of a

bright and varied nature, largely contributed by the orchestra of the R.M.S. Rangitiki.

Dunedin Features

THE Rev. E. S. Tuckwell will be the preacher at Hanover Street Baptist Church, Dunedin, when the service will be broadcast. Mr. H. P. Desmoulins is the choir-master and Mrs. H. C. Campbell the organist.

MONDAY From Wellington

THE first half of the evening's programme will be devoted to that delightful collection of Irish Melodies, "The Lily of Killarney." This is to be presented under the direction of Harison Cook, who will also narrate the story of the opera.

The cottage scene will be presented in its entirety, complete with dialogue, those taking part being Kathleen Jansen, Joan Ryan, Richard Maunder, Egerton Pegg and Harison Cook. The second half of the programme will be provided also by the same artists, with 2YA Orchestrina assisting.

Christchurch Jottings

THE first broadcast concert to be given by the Wolston Band since its triumphant return from the Wellington contest will be given at 3YA. Mr. R. J. Estall, conductor, has arranged an excellent programme. Assisting artists for the evening will be Betty Hilliard (contralto), Oliver Foote (tenor) and the instrumental

Melody Trio. Bandsman Ohlsen will contribute a cornet solo. Outstanding on the evening's programme will be selected recorded numbers by world-famous artists and choirs.



ZOE BARTLY-BAXTER

who will present several elocutionary numbers from 1YA on March 16.
—S. P. Andrew photo.

Dunedin Notes

A RECORDED programme of vocal and instrumental items by some of the leading world artists will be broadcast. Orchestral and band items will predominate, representing a programme of a very popular nature.

TUESDAY Auckland Notes

A WELL-VARIED programme of recordings will be presented during the evening. At 9 p.m. Mr. Frank H. Leonar will give the third of his very interesting series of talks on "Flags of the Nations."

From Wellington

A MISCELLANEOUS programme, in which humour will play a very important part, will be broadcast in the evening.

Dunedin Jottings

THE Artillery Band will provide the evening programme. The assisting vocalists will be the Majors, singing solos and quartets, while a string trio will also contribute to the programme.

Featurettes

Naomi Whalley and William Watters
2YA, Sunday.

"The Lily of Killarney"
2YA, Monday.

Getta Alpa, Soprano
2YA, Wednesday.

Irish Concerts
All Stations, Thursday.

Will Bishop, Entertainer
2YA, Saturday.

WEDNESDAY

Auckland Notes

A VARIETY entertainment has been arranged.

Wellington Features

This evening's recorded programme will feature Getta Alpa, at one time well known in musical circles in Auckland, now a rapidly rising star in Berlin. She will sing two soprano solos—"Doll's Aria" (from "Tales of Hoffman") and Del Acqua's "Villanelle."

Also singing will be Hubert Elsdell, a popular tenor, and there will be two duets from "The White Horse Inn," sung by Winnie Melville and Derek Oldham. B.B.C. Dramatic Players will present a thriller in one act, "The Wrong Bus," while humorous numbers will be given by Flotsam and Jetsam.

From 3YA

THIS evening Rex Harrison, baritone, will be heard in a group of songs, one of which will be an old favourite, "Across the Far Blue Hills Marie," composed by Blumenthal, who was Queen Victoria's pianist.

From 4YA

John T. Leech's Minnesingers' Ladies' Choir and Orchestra will provide the programme until 9.30 p.m., when a session of dance music will follow.

THURSDAY

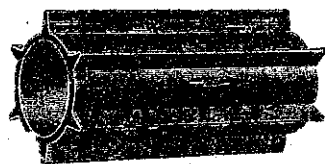
Auckland Notes

THE midday service for businessmen in St. Matthew's Church will be broadcast.

From 1YA at 7.40 the first of a series of talks on "Helps for the Hard of Hearing," will be given by Mrs. Gervas Hurd-Wood.

Irish concerts commemorating St. Patrick's Day will be broadcast by all stations.

The Irish songs and humour which will be heard from 1YA will be contributed by Audrey McDonagh (mezzo-soprano), H. Barry Coney (baritone) and Mr. J. E. Montague. The 1YA Chamber Orchestra will also be heard in Irish selections. Mr. A. B. Chapell will take as the subject of his talk "St. Patrick's Day." Recordings will include items by Alfred O'Shea (tenor), Michael Casey (comedian), and St. Etheldreda Catholic Church Choir.



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Wellington Jottings

2YA will relay from the Opera House, Wanganui, an Irish National concert organised by Mr. Charles Spillane.

From Christchurch

THE evening programme will consist entirely of an Irish entertainment provided by recordings. At 9 o'clock Mr. P. J. Amodeo, a well-known Christchurch lawyer, will give a talk on "Ireland."

From 4YA

An Irish concert, to be given in His Majesty's Theatre, Dunedin, will be broadcast by 4YA, which will go on the air specially for the occasion.

FRIDAY

Auckland Notes

DAN FOLEY, well-known Wellington tenor, will be appearing on 1YA's programme in a group of Irish ballads. A young elocutionist, Hilda Morse, will make her first appearance to-night, while Mr. J. C. Brougham will give a further talk on his experiences in the French Foreign Legion.

From Wellington

THE next of the 2YA talks by Mr. K. C. James will be on "Wicket-keeping."

Vocal solos and duets by Myra Sawyer and William Boardman, elocutionary numbers by Clement May, novelty pieces by Mrs. Mildred Kenny's Guitar Quartet, and popular selections by the Orchestra will constitute 2YA's programme till 9.30 p.m., after which there will be a session of dance music.

Christchurch Jottings

THE evening programme will include a number of recordings—concerted numbers from "Tip Toes," a whist-



REX HARRISON,

An Australian baritone, whose splendid voice has made him a favourite with New Zealand listeners. He will next appear from 3YA on March 16.

ling solo, a miniature musical comedy, "The Balcony Girl," humour by John Henry, light opera chorus, a humorous turn by Graves and Clifton, and a band selection, "The Desert Song."

From Dunedin

AT 4YA, Mr. F. T. Badcock, coach to the Otago Cricket Association, will discuss the art of "Bowling." Dagg's Dance Band, which is so well known to listeners for its programmes of old melodies and old-time tunes, will be on the air this evening.

SATURDAY

Auckland Jottings

DURING the evening programme "Lee Fore Brace" will give another of his popular sea stories, entitled "The Lost Atlantis."

From 2YA

FOR the benefit of Easter holiday-makers, Mr. W. A. Sutherland, secretary of the Wellington Automobile Association, will broadcast from 2YA a "Road Report for Easter."

Will Bishop, an entertainer well known to 2YA listeners, returns to the microphone this evening after an absence from Wellington. He will broadcast some original humour while at the piano.

A vocal programme will include solos, duets, trios, and quartets, mainly of a light and popular nature, by the Etude Quartet. Owing to the departure from Wellington of Will Hancock, his place in this quartet has been taken by Richard Maunder, the other members being Gretta Stark and Mr. and Mrs. Ray Kemp.

From 3YA and 4YA

3YA's programme this evening will be played to 4YA, Dunedin. It will be of a vaudeville type.

Phil Smith, comedian of the J. C. Williamson Company, will be heard again in two turns, introducing "At the Vicar's Fancy Ball" and "Telling the Birds, Telling the Bees."

The Christchurch Salon Orchestra, under Francis Bate, will present a varied programme, including "Spanish Dances," Raff's "Cavatina," Offenbach's "Barcarolle," and Drigo's "Serenade," while Addie Campbell, soprano, will sing "Street Cries of London" and "The Little Old Church in the Valley." The programme will be generously interspersed with selected recordings comprising light opera novelty dances, Wuritzer organ, light piano items, old-time choruses, instrumental combinations, and band items.

Special Studio Piano

IN the studio of the new broadcasting palace of the British Broadcasting Corporation there is a piano which has been specially constructed for use in a studio. Several players before the microphone had complained to the management that the pianos at their disposal were not suitable for their purpose, so that the management was compelled to grant permission for placing a piano which suited the taste of the player. This permission was abused to such an extent, however, that it was decided to construct a special piano meeting all the requirements of broadcasting.



FRANCES HAMERTON,
Soprano, who will next appear from
3YA on March 16.
—Steffano Webb, photo.

Gitta Alpar

Ex-Aucklander, Now Idol
of Berlin

SOME years ago Gitta Alpar, of Hungarian birth, was well known in Auckland, where popular appreciation of her undoubted vocal talents enabled her to further her musical studies on the Continent. She is the possessor of a wonderful voice and she is now the idol of Berlin.

The first recordings by Gitta Alpar to reach New Zealand will be broadcast from 2YA on Wednesday, March 16. She will then be heard in the "Doll's Song" (from "Tales of Hoffmann") sung in German, and "Villanelle" (by Dell'Acqua), sung in French with the Berlin Symphony Orchestra under Dr. Felix Gunther.

Gitta Alpar gives a remarkable interpretation. The art of singing the "Doll's Song," from the "Tales of Hoffmann," as Offenbach intended it to be sung, lies in the assumption of a tone and manner suggestive of a piece of mechanism and not a human being. The effect of this is an air which itself imitates the jerky movements of an automaton, and can be best appreciated in the theatre, where we can see the corre-

sponding looks and gestures of Hoffmann's absurd "fame" as she displays her quaint little stock of vocal ornaments and gewgaws.

Apart from the stage, in a gramophone record, the idea is most successfully realised by force of contrast, as we have it here, thanks to a clever artist who has known how to place it side by side with a thoroughly natural, human rendering of Dell'Acqua's well-known Villanelle.

Compare the dull, listless expression of the Doll (note that queer tumble of the voice when her machinery "runs down"), with the bright and animated feeling which pervades her voice in the other piece. The florid singing in both is neat and accurate, without perhaps being exceptionally brilliant; the staccato, for instance, is far superior to the shake, yet on the whole there is no serious blemish to be found anywhere. The Berlin Symphony Orchestra, under Dr. Felix Gunther, has treated the accompaniments in the right delicate spirit.

A "Mixed" Programme

An Interesting Experiment

AN English shortwave amateur made an interesting experiment on the occasion of a broadcast speech of the French Minister Laval to the American people.

This speech was received by the American transmitter W2XAD and relayed on the shortwave to the entire American broadcasting system.

The English amateur received the American transmission on a super-heterodyne receiver. As intermediate frequency of this receiver he used the wavelength of the transmitter Radio Paris (1725 metres), which transmitted this speech in France. So the amateur heard the same speech transmitted simultaneously by the American station and by Radio-Paris.

As, however, the American transmission had crossed the Atlantic twice before reaching this receiver and the transmission from Radio-Paris was received directly, the American speech arrived 1-25th of a second later, so that the listener received an impression of an echo effect.

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WELLINGTON

Day and Night Service



Programmes for Week ending March 20

SUNDAY . . [March 13]

1YA (875 Kc.)—SUN., MARCH 13.

2.0—Chimes. Selected recordings and literary selection.

6.0—Children's song service, conducted by Uncle Leo.

6.55—Relay of service from St. Andrew's Church. Preacher—The Rev. Ivo Bertram. Organist and Choirmaster—Dr. Neil McDougall.

8.30—Relay of Municipal Band Concert from Albert Park. Conductor: Mr. George Buckley. March—The Band, "The Vedette" (Alford). Overture—The Band, "Italiana in Algeria" (Rossini). Cornet—Mr. F. Bowes, "Le Secret" (Hazel). Selection—The Band, "The Gondoliers" (Sullivan). Clarinet—Mr. P. W. Eastoe, "Lucetta" (Luscombe). Tone Poem—The Band, "Finlandia" (Sibelius). Piccolo—Mr. Hal C. McLennan, "L'Oiseau Du Bois" (Le Thiery). Selection—The Band, "Parsifal" (Wagner). Serenade—The Band, "Baby Sweetheart" (Corri). Hymn—The Band, "Nearer My God to Thee" (Mason). March—The Band, "The Bond of Friendship" (MacKenzie-Rogan).

10.0—Close down.

2YA (720 Kc.)—SUN., MARCH 13.

2.0—Selected recordings.

6.0—Children's song service, conducted by Uncle George, assisted by the children's choir from the Taranaki Street Methodist Church.

7.0—Relay of evening service from the Vivian Street Baptist Church. Preacher: Rev. L. J. Boulton-Smith. Organist and Choirmaster: Mr. Chas. Collins.

8.20—Record—Band of H.M. Grenadier Guards, "The Evolution of Dixie." Baritone—Mr. William Watters, "Brian of Glenaar" (Graham). Duet—Miss Naomi Whalley and Mr. William Watters, "That Voice" (Verdi). Record—Gil Dech and His Concert Orchestra, "Maori Selection." Soprano—Miss Naomi Whalley, "The Pipes of Pan" (Monckton). Record—Piano—Ignaz Friedman, "Songs Without Words" (Mendelssohn). (a) "Duet" (A flat major); (b) "The Fleecy Cloud" (E flat major); (c) "Lost Happiness" (C minor). Baritone—Mr. William Watters: (a) "Far and High the Cranes Give Cry" (Korby); (b) "I'm a Horseherd" (Korby). Weather report and station notices. Record—Columbia Light Opera Company, "Les Cloches de Corneville" Vocal Gems (Planquette). Soprano—Miss Naomi Whalley: (a) "We'd Better Bide a Wee" (Claribel); (b) "The Kerry Dance" (Molloy). Record—Band of the Royal Air Force: (a) "The Boy and the Birds" (Hagen); (b) "The Wedding of the Rose" (Jessel). Baritone—Mr. William Watters, "Rolling Down to Rio" (German). Duet—Miss Naomi Whalley and Mr. William Watters, "Trot Here and There" (Messenger). Record—London Palladium Orchestra, "Selection of Operatic Gems" (arr. Forbes). Soprano—Miss Naomi Whalley, "The Promise of Life" (Coven). Record—Vocal Quartet—The Big Four: (a) "When the Guards

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are on Parade" (Sarony and Nicholls); (b) "Fiesta" (Samuels and Whitecup). Baritone—Mr. William Watters, "My Friend" (Behrend). Record—Debroy Somers Band, "Auld Lang Syne" Medley. Close down.

3YA (980 Kc.)—SUN., MARCH 13.

2.0—Gramophone recital.

5.0—Children's song service by children of Anglican Sunday schools.

6.15—Selected recordings.

7.0—Relay of evening service from Holy Trinity Church, Avonside. Preacher, Rev. O. Fitzgerald. Organist and Choir Conductor, Mr. Arthur Lilly, A.R.C.O.

8.15—March—S.S. Rangitiki Orchestra, "On the Quarter Deck" (Alford). Selection—The Orchestra, "Genevieve de Brabant" (Offenbach).

9.21—Record—Soprano—Amelita Galli-Curci, "Air and Variations" (Proch).

9.24—Record—Violin—Joseph Szigeti, "Zephyr" (Hubay).

9.28—Tenor—Mr. W. H. Dixon, (a) "The Night of Bethlehem" (Cleghorn); (b) "The Last Hour" (Kramer).

9.32—Selection—The Orchestra, "Cavalcade" (Coward).

9.38—Record—Vocal—Don Cossacks Choir, "In Der Kirche" (Tschalkowsky).

9.42—Record—Instrumental—J. H. Squire Celeste Octet, "Song of the Waterfall" (Squire).

9.46—Contralto—Mrs. A. F. Bryant, "Beside Still Waters" (Bernard Hamblen).

9.48—Selection—The Orchestra, "Song of the Drum" (Finck).

Excerpts from

"The Lily of Killarney"

Will be presented from
2YA on March 14,
under the direction
of

**HARISON
COOK**

Who will also relate
the story of the opera.

The cottage scene will
be presented in its
entirety, complete with
dialogue.



8.25—Tenor—Mr. W. H. Dixon, "Drums" (Meale).

8.29—Overture—The Orchestra, "French Comedy" (Kela Bela).

8.37—Contralto—Mrs. A. F. Bryant, (a) "When Dawn Breaks Through" (Wood); (b) "Break, Break, Break" (Carey).

8.42—Record—Cello—Gaspar Casado, "Melodie Arabe" (Glazounov).

8.45—Record—Vocal—Dora Labette, Harold Williams, Hubert Elsdell, Dennis Noble, Robert Easton and Halle Chorus, "The Apostles" (Elgar).

8.53—Suite—The Orchestra, "Woodland Scenes" (Fletcher).

9.3—Weather forecast and station notices.

9.5—Duet—Mrs. A. F. Bryant and Mr. W. H. Dixon, "Carmena" (Lane Wilson).

9.13—Instrumental—The Orchestra, "Waltzes from Vienna" (Strauss).

9.54—Record—Baritone—M. Endrez, "Herodiade" (Massenet).

9.58—Selection—The Orchestra, "Life on the Ocean" (Binding).

10.6—Close down.

4YA (650 Kc.)—SUN., MARCH 13.

2.0—Selected recordings.

5.30—Children's song service, conducted by Big Brother Bill.

6.15—Selected recordings.

6.30—Relay of evening service from Hanover Street Baptist Church. Preacher, Rev. H. S. Tuckwell, B.A. Organist, Mrs. H. C. Campbell. Choirmaster, Mr. H. P. Desmoulines.

7.45—Selected recordings.

8.15—Relay of concert programme from Station 3YA, Christchurch.

10.0—Close down.

2YB (1230 Kc.)—SUN., MARCH 13.

7.30 to 8.15—Church relay.

8.15 to 10.0—Studio concert.

MONDAY . [March 14]

1YA (875 Kc.)—MON., MARCH 14.

Silent Day.

2YA (720 Kc.)—MON., MARCH 14.

10 a.m.—Chimes. Selected recordings.

11.12—Lecturette, "Cooking."
11.37—Lecturette, "Health Hints or First Aid."

12.0—Lunch music.
2 p.m.—Selected recordings.

3.30 and 4.30—Sports results.
4.55—Close down.

5.0—Children's Hour, conducted by Uncle Jeff.

6.0—Dinner music.

7.0—News, reports and sports results.

7.40—Lecturette, Mr. H. C. South, "Books—Grave and Gay."

8.0—Chimes. Selection, 2YA Orchestra (conductor, Signor A. P. Truda), "A Bunch of Shamrocks" (arr. Seredy).

8.8—Presentation of Excerpts from "The Lily of Killarney" (Benedict). Story told by Mr. Harison Cook. Duet, Messrs. R. J. Maunders and Harison Cook, "The Moon Hath Raised Her Lamp Above." Tenor, Mr. Egerton Pegg, "It is a Charmin' Girl I Love." The Cottage Scene (complete with dialogue): Lily O'Connor (The Colleen Bawn), Kathleen Jansen; Sheelah, Joan Ryan; Hardress Oregan, Richard J. Maunders; Myles-na-Coppaleen, Egerton Pegg; Father Tom (Parish Priest of Garryowen, Harison Cook, Mezzo-soprano, Miss Kathleen Jansen, "I'm Alone." Bass, Harison Cook, "The Colleen Bawn." Tenor, Mr. Richard J. Maunders, "Elly Mavourneen."

9.0—Weather report and station notices.

9.2—Surprise item.

9.15—Instrumental, 2YA Orchestra, "Chanson Indoue" (Korsakov).

9.19—Tenor, Mr. Egerton Pegg, (a) "I Sent You a Song" (Sanderson); (b) "Love's Pleading" (Buzzy-Pecola).

9.25—Instrumental, 2YA Orchestra, "Serenade d'Amour" (Von Blon).

9.29—Mezzo-soprano, Miss Kathleen Jansen, (a) "The Fairy Tales of Ireland" (Coates); (b) "Life's Epitome" (Rae).

9.36—Bass, Mr. Harison Cook, (a) "The Armourer's Song" (de Koven); (b) "The Recruit" (Longstaffe).

9.42—Recording (piano), Patricia Rossborough, (a) "Lily of Killarney" (Stuart); (b) "Leslie Stuart Memories" (Stuart).

9.48—Tenor, Mr. Richard J. Maunders, (a) "Monsieur Triplet's Couplet" (Tschalkowsky); (b) "Foggy Dew" (traditional).

9.52—Instrumental, 2YA Orchestra, "Invitation to the Waltz" (Weber).

10.0—Dance programme.

11.0—Close down.

3YA (980 Kc.)—MON., MARCH 14.

3.0—Gramophone recital.

4.30—Sports results and close down.

5.0—Children's Hour—"Uncle John."

6.0—Dinner music.

7.0—News and reports.

7.30—W.E.A. Session, Mr. Geo. Manning, M.A., "Economic Problems of New Zealand."

8.0—Chimes. March, Woolston Brass Band (R. J. Estall, conductor), "Ravenswood" (Rimmer). Selection, The Band, "Star of the North" (Meyerbeer).

8.16—Recording, Westminster Glee Singers, "On the Banks of Allan Water" (arr. Branscombe).

8.19—Recording, piano, Beryl Newell, "I Love You So Much" (Kalmár).

8.22—Tenor, Mr. Oliver Foote, (a) "An Embrace" (Russell); (b) "Dear Heart of Mine" (Lewis).

8.27—Negro Spirituals, Melody Trio, (a) "By and By" (arr. Burleigh); (b) "Deep River," (c) "I've Got a Robe" (arr. Burleigh).

8.34—Cornet, Bandsman R. Ohlson. "Redcap" (Moss).

8.39—Recording, comedian, Clarkson Rose, "Girls of the Old Brigade" (Rose).

8.42—Recording, De Groot's Orchestra, "Autumn" (Chaminade).

8.46—Contralto, Miss Betty Hilliard, (a) "You Are My Heart's Delight" (Lehar); (b) "A Memory" (Thomas).

8.51—Medley, Band, "Famous Fragments" (Hawkins).

8.56—Recording, baritone, Harold Williams, "Cautionary Tale Matilda" (Lehmann).

8.59—Recording, organ, Richard Jordan, "Souvenir" (Drdla).

9.2—Weather forecast and station notices.

9.4—Instrumental, The Melody Trio, (a) "Serenade Espagnole" (Rouchini); (b) "Chalita" (Schertzinger).

9.10—Recording, Rotorua Maori Choir, (a) "Haere Tonn" (Horne); (b) "E Pari Ra" (Ngata).

9.15—Song Melody, Band, "Annie Laurie" (Rimmer).

9.21—Recording, comedian, Harry Gordon, "The Inversnecky Fireman" (Gordon).

9.24—Recording, organ, Richard Jordan, "Song of the Islands" (King).

9.27—Selection, Band, "Honour and Glory" (Bath).

9.34—Tenor, Mr. Oliver Foote, "Casey the Fiddler" (Wood).

9.38—Instrumental, The Melody Trio, (a) "Still as the Night" (Bohm); (b) "Czardas" (Monti).

9.47—Contralto, Miss Betty Hilliard, "Irish Lullaby" (Needham).

9.51—Recording, International Novelty Orchestra, "Eva Waltzes" (Lehar).

9.55—Recording, Westminster Glee Singers, "Old Mother Hubbard" (arr. Branscombe).

9.59—March, Band, "Punchinello" (Rimmer).

10.3—Close down.

4YA (650 Kc.)—MON., MARCH 14.

3.0—Selected recordings.

4.30—Sports results and close down.

5.0—Children's hour, conducted by Uncle Jack.

6.0—Dinner Music.

7.0—News and reports.

7.35—Music Lovers' Competition.

8.0—Chimes. Programme of recordings. Overture, The Basle Symphony Orchestra, "Der Freischütz" (Weber).

8.11—Soprano, Dusolina Giannini (a) "Devotion" (Strauss); (b) "All Souls' Day" (Strauss).

8.17—Orchestra, Zonophone Salon Orchestra, (a) "Dream of Love" (Liszt); (b) "Romance" (Rubinstein).

8.22—Band, H.M. Grenadier Guards, "Merrie England" (German).

8.30—Chorus, Light Opera Company, "Maritana" (Wallace).

8.38—Violin, Tosca Seidel, "The Deluge" (Saint Saens).

8.41—Selection, National Symphony Orchestra, "March and Procession of Bacchus" (Delibes).

8.45—Bass baritone, Peter Dawson, (a) "The Admiral's Yarn" (Rubens); (b) "At Santa Barbara" (Russell).

8.50—Piano, Emil von Sauer, (a) "Etude No. 3 in E" (Chopin); (b) "Spieluhr" (Sauer).

8.57—Orchestra—Olshane's Orch. with zimbala solo, "Unirea Romanelor" (Roumanian folk dance), (Moskowitz).

9.0—Weather report and station notices.

9.2—Orchestra. The Berlin State Opera House Orch., "Academic" (Brahms).

9.10—Harp, John Cockerill, (a) "Rustle of Spring" (Sinding); (b) "At the Fountain" (Zabel).

9.15—Bass baritone and chorus, Stuart Robertson and Male Chorus, (a) "My Bonnie" (trdtl.); (b) "Down in Demerara" (arr. Mansfield).

(a) "Villikins and His Dinah" (trdtl.); (b) "Some Folks Like to Sigh" (trdtl.).

9.21—Orchestra, Grand Symphony Orchestra, "Merry Wives of Windsor" (Nicolai).

9.28—Contralto, Essie Ackland, "O Lovely Night" (Ronald).

9.32—Cello, Pablo Casals, (a) "Andante" (Bach); (b) "Aria" from "Suite in D" (Bach).

9.39—Orchestra, Grand Symphony Orchestra, "The Land of Smiles" (Lehar).

9.47—Tenor, Richard Tauber, (a) "The Linden Tree" (Schubert); (b) "Goodnight" (Schubert).

9.53—Chorus, Light Opera Company, "Mister Cinders" (Ellis-Myers).

9.57—Patrol, Band of H.M. Grenadier Guards, "Jungle Drums" (Ketelbey).

10.1—Close down.

2YB (1230 Kc.)—MON., MARCH 14.

7.30 to 8.0—News and information.

8.0 to 10.0—Studio concert.

7.30—W.E.A. Session, Mr. Geo. Manning, M.A., "Economic Problems of New Zealand."

8.0—Chimes. March, Woolston Brass Band (R. J. Estall, conductor), "Ravenswood" (Rimmer). Selection, The Band, "Star of the North" (Meyerbeer).

8.16—Recording, Westminster Glee Singers, "On the Banks of Allan Water" (arr. Branscombe).

8.19—Recording, piano, Beryl Newell, "I Love You So Much" (Kalmár).

8.22—Tenor, Mr. Oliver Foote, (a) "An Embrace" (Russell); (b) "Dear Heart of Mine" (Lewis).

8.27—Negro Spirituals, Melody Trio, (a) "By and By" (arr. Burleigh); (b) "Deep River," (c) "I've Got a Robe" (arr. Burleigh).

8.34—Cornet, Bandsman R. Ohlson. "Redcap" (Moss).

8.39—Recording, comedian, Clarkson Rose, "Girls of the Old Brigade" (Rose).

8.42—Recording, De Groot's Orchestra, "Autumn" (Chaminade).

8.46—Contralto, Miss Betty Hilliard, (a) "You Are My Heart's Delight" (Lehar); (b) "A Memory" (Thomas).

8.51—Medley, Band, "Famous Fragments" (Hawkins).

8.56—Recording, baritone, Harold Williams, "Cautionary Tale Matilda" (Lehmann).

8.59—Recording, organ, Richard Jordan, "Souvenir" (Drdla).

9.2—Weather forecast and station notices.

9.4—Instrumental, The Melody Trio, (a) "Serenade Espagnole" (Rouchini); (b) "Chalita" (Schertzinger).

9.10—Recording, Rotorua Maori Choir, (a) "Haere Tonn" (Horne); (b) "E Pari Ra" (Ngata).

9.15—Song Melody, Band, "Annie Laurie" (Rimmer).

9.21—Recording, comedian, Harry Gordon, "The Inversnecky Fireman" (Gordon).

9.24—Recording, organ, Richard Jordan, "Song of the Islands" (King).

9.27—Selection, Band, "Honour and Glory" (Bath).

ducting the Symphony Orchestra, "Homage" (Wagner).

8.8—Vocal gems—Columbia Light Opera Company, "Oh, Kay!" (Gershwin).

8.12—Cherniavsky Trio, (a) "At the Brook" (de Boisdeffre); (b) "Scherzo" (Beethoven).

8.18—Contralto—Maria Olczewska, (a) "Che Faro Senza Euridice" (Gluck); (b) "Omba Mai Fu" (Händel).

8.26—Cello—Cedric Sharpe, (a) "Air" (Pergolesi, arr. Sharpe); (b) "Twilight" (Friml).

8.34—King's Hawaiians, "Kamehameha Waltz" (King).

8.37—Comedian—Harry Gordon, (a) "The Village Editor" (Gordon); (b) "The Story That I Started" (Hazeldwood).

8.43—Victor Olof Salon Orchestra, "Grieg Selection" (arr. Urbach).

8.51—Tenor—Giovanni Martinelli, "Un di all Azzurro Spazio" (Giordano).

9.0—Evening weather forecast and announcements.

9.2—Talk—Mr. Frank H. Leonard, "The Flags of all Nations" (arr. Leonard).

9.22—Bernardo Gallico and His Orchestra, (a) "The Clock is Playing" (Blaauw); (b) "The Dance of the Dwarfs" (Noack).

9.29—Baritone—John Charles Thomas, (a) "Duna" (McGill); (b) "Gipsy Love Song" (Herbert).

9.34—Silver String Quartet, "Hawaiian Love" (Lopez).

9.37—Wish Wynne, (a) "Filthy Lucre" (Wynne); (b) "I Dunno" (Wynne).

9.43—Piano—Rale da Costa, "Die Fledermaus" (Strauss, arr. Grunfeld).

9.49—Torri and Giorgini and La Scala Orchestra, "Addio! Che! Vai?" (Puccini).

9.53—Berlin State Opera Orchestra, "German Dances" (Mozart, arr. Steinbach).

10.1—Close down.

2YA (720 Kc.)—TUES., MARCH 15.

10.0—Chimes. Selected recordings.

11.12—Lecturette—"Fabrics and Fashions."

12.0—Lunch hour music.

2.0—Selected recordings.

3.30 and 4.30—Sports results.

5.0—Children's hour, conducted by Junbo.

6.0—Dinner music session.

7.0—News, reports, and sports results.

7.40—Lecturette—Representative Agricultural Department, "For the Man on the Land."

8.0—Chimes. Record—Band of H.M. Grenadier Guards, "Tom Jones" (German).

8.8—Baritone—Mr. T. C. Wood, (a) "Who Knows?" (Ball); (b) "Just a Cottage Small" (Hanley).

8.14—Humour—Miss A. Brough, "The Soliloquy of a Safety Pin" (Floyer).

8.19—Overture—Salon Orchestra, (Conductor, Mr. M. T. Dixon), "Martha" (Flotow).

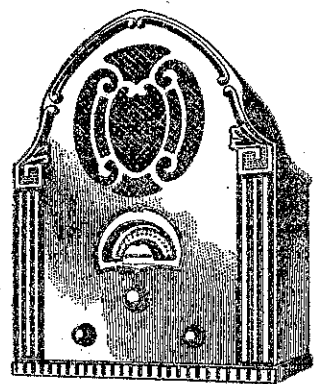
8.27—Soprano—Miss Kathleen Ferris, (a) "Where Love is Waiting" (Cuvillier); (b) "Just for To-day" (Densmore).

8.33—Record—International Novelty Quartet, (a) "Jolly Fellows" (Vollstedt); (b) "Knocked 'Em in the Old Kent Road" (Ingle).

8.39—Humour—Mr. W. J. McKeon, "A Voyage of Disaster" (Hillier).

8.45—Selection—Salon Orchestra, "Don Cesar de Bazan" (Massenet).

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STEWART-WARNER Round-the-World RADIO

8.56—Humour—Miss A. Brough, "The Young Bride's First Visit to the Butcher's."

9.0—Weather report and station notices.

9.2—Baritone—Mr. T. C. Wood, (a) "Sailor's Paradise" (Richards); (b) "The Arrow and the Song" (Balfe).

9.8—Descriptive pieces—Salon Orchestra, (a) "Valley Enchanted" (Bucalossi); (b) "Air de Ballet" (Borch).

9.18—Soprano—Miss Kathleen Ferris, (a) "June is Calling" (Sanderson); (b) "Japanese Love Song" (Brahe).

9.24—Record—Piccolo Duet—(a) "Two Little Finches" (Kling). Castinets—(b) "La Argentina" Dance No. 5 (Granados).

9.30—Humour—Mr. W. J. McKeon, "My Financial Career" (Leacock).

9.36—Suite for piano and strings—Mr. M. T. Dixon and Salon Orchestra, "Seasons" (Ames).

9.46—Record—Humour—North and South, "Follow a Big Cigar" (Wallis-Wallace). Gracie Fields, "The Lovely Aspidistra in the Old Art Pot" (Weston).

9.52—Instrumental—Salon Orchestra, Latest dance novelties.

10.0—Close down.

3YA (980 Kc.)—TUES., MARCH 15.

Silent Day.

4YA (650 Kc.)—TUES., MARCH 15.

3.0—Selected recordings.

4.30—Sports results.

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

6.0—Dinner music session.

7.0—News and reports.

8.0—Chimes. Programme by the Artillery Band and assisting artistes (Conductor: Mr. H. F. Davie). March—The Band, "South Street Parade" (Bulch). Waltz—The Band, "Summer Glory" (Greenwood).

8.11—Contralto—Miss G. Burt, "Prelude" (Ronald). Quartets—The Majors: (a) "Winds of the Sweet Springtime" (Percival) (b) "With My Flock as Walked I" (Shaw).

8.21—Selection—The Band, "Yeoman of the Guard" (Sullivan).

8.32—Record—Novelty—The Parlophone Variety Co., "An Imaginary Broadcast."

8.38—Tenor—Mr. E. W. Robbins: (a) "If I Might Come to You" (Squire); (b) "The Young Rose" (Harry).

8.44—Trio—The de Rose-Hunter-Baker Trio: (a) "Barry of Barrymore" (Ball); (b) "Charme D'Amour" (Kendall).

8.55—Quartet—The Majors, "Take Care" (Bartholomew).

8.58—Record—Organ—Sandy McPherson, "I Promise" (Hirsch).

9.0—Weather report and station notices.

9.2—Fantasia—The Band—"Nursery Ditties" (Raymond).

9.9—Soprano—Miss Freda Elmes: (a) "Sing, Joyous Bird" (Phillips); (b) "The Soldier's Wife" (Rachmaninoff).

9.15—Record—Debroy Somers Band and Chorus, "War Marching Songs."

9.22—Trio—The Instrumental Trio: (a) "Un Ballo in Maschera" (Verdi); (b) "I'm Goin' Home" (White).

9.35—Quartet—The Majors, "Boat Song" (Cowan).

9.39—Selection—The Band, "Two English Dances" (Vandervell). (a) "Henry VIII"; (b) "Trene."

9.47—Record—Violin—Efrem Zimbalist, "False Blueette" (Drigo).

9.49—Quartettes—The Majors: (a) "Here a Pretty Baby Lies" (Gordon); (b) "Vespers" (Bonner).

9.54—Fantasia and March—The Band, "Musical Snapshots" (Trenchard); "West Yorks" (Rimmer).

10.3—Close down.

WEDNESDAY [March 16]

1YA (875 Kc.)—WED., MARCH 16.

3.0—Chimes. Selected recordings and literary selection.

4.30—Sports results.

5.0—Children's hour, conducted by Uncle Reg.

6.0—Dinner music session.

7.0—News and market reports.

8.0—Chimes. Record—Band of H.M. Coldstream Guards, "Martha" (Flo-tow).

8.9—Soprano—Miss Gwladys Edwards: (a) "The Last Hour" (Kramer); (b) "Over the Mountain" (Quilter); (c) "On a Summer's Day" (Engelhardt).



Will be presented from 3YA on Monday, March 14, by

The Melody Trio

(a) "By and By" (arrgd. Burleigh); (b) "Deep River";
(c) "I've Got a Robe" (arrgd. Burleigh).

8.15—Foxtrot—Garsden Fowler and His Band, "Yes, Yes" (Conrad and Friend). Waltz—"Girl of a Million Dreams" (Gay).

8.21—Humour—Mr. T. T. Garland, "I Go to the Theatre" (arr. Garland).

8.27—Record—H.M. Grenadier Guards, "Valse Creole" (Tschaikowsky).

8.31—Bass-baritone—Mr. Frank Sutherland: (a) "Give Me Youth and a Day" (Drummond); (b) "In a Hundred Thousand Years" (Solman).

8.37—Record—Piano—Percy Grainger: (a) "Cradle Song" (Brahms); (b) "Molly on the Shore" (Grainger).

8.43—Soprano—Miss Gwladys Edwards: (a) "In the Red April Dawn" (Willeby); (b) "After the Grim Daylight" (Willeby).

8.50—Novelty Instrumental—Garsden Fowler and His Band—Violin solo, "Hejre Kati" (Hubay). Waltz, "Deep in My Lady's Eyes" (di Capua). Foxtrot, "Falling in Love" (Mayer).

9.0—Evening weather forecast and announcements.

9.2—Record—Black Diamonds Band, "Fatinitza" (Suppe).

9.5—Recitals—Mrs. Zoe Bartley-Baxter: (a) "Goodnight Babette" (Dobson); (b) "Types of Humour" (Herbert).

9.16—Trumpet—Member of Garsden Fowler's Band, "Love's Old Sweet Song" (Molloy).

9.20—Bass-baritone—Mr. Frank Sutherland: (a) "The Driver of the 8.15" (Longstaffe); (b) "Why Shouldn't I" (Russell).

9.25—Humour—Mr. T. T. Garland, "Topicalities" (arr. Garland).

9.29—Novelty Instrumental—Garsden Fowler and His Band, "Foxtrot Medley" (arr. Fowler).

9.35—Programme of dance music

11.0—Close down.

2YA (720 Kc.)—WED., MARCH 16.

10.0—Chimes. Selected recordings.

11.37—Lecturette—"Hollywood Affairs."

3.30 and 4.30—Sporting results.

5.0—Children's hour, conducted by Aunt Daisy.

6.0—Dinner music.

7.0—News, reports and sports results.

7.35—Music-lovers' competition.

8.0—Chimes. Programme of recordings. Selection—Paul Godwin Orchestra, "The Modest Suzanne" (Gilbert).

8.10—Soprano—Gitta Alpar: (a) "Doll's Aria" (Offenbach); (b) "Villanelle" (Del Acqua).

9.41—Medley—J. H. Squire Celeste Octet, "Good Company" (arr. Willoughby).

9.49—Humour—Flotsam and Jetsam: (a) "Sing a Song of England"; (b) "New Words for Old."

9.55—March—Band of H.M. Grenadier Guards: (a) "With Sword and Lance" (Starke); (b) "Light of Foot" (Latanne, arr. Hartman).

10.1—Close down.

3YA (980 Kc.)—WED., MARCH 16.

3.0—Gramophone recital.

4.30—Sports results.

5.0—Children's hour, conducted by Uncle Bill.

6.0—Dinner music.

7.0—News and reports.

7.30—Addington stock market reports.

7.45—Dialogue—Messrs. E. E. Wiltshire and F. C. Fairclough, "Story of the Garden."

8.0—Chimes. Record—Colonne Orchestra, Paris, "Symphonie Fantastique" (Berlioz).

8.8—Record—Contralto—Marion Anderson, "O Don Fatale" (Verdi).

8.12—Instrumental—Christchurch Broadcasting Trio, "Allegro from 'Trio in D Minor'" (Bach).

8.22—Soprano—Miss Frances Hamerton, "Lord of Our Chosen Race" (Sullivan).

8.26—Record—Organ—Quentin McLean, "The Sacred Hour" (Ketilbey).

8.32—Record—Tenor—Tito Schipa, "Ombra Mai Fu" (Handel).

8.36—Cello and Trio—Harold Beck and Christchurch Broadcasting Trio.

Trio, "Pastel Minuet" (Paradis). Cello, "Berceuse" (Jarnefeldt). Trio, "Serenade" (Arensky).

8.45—Baritone—Rex Harrison: (a) "Across the Far Blue Hills, Marie" (Blumenthal); (b) "Keepsake Mill" (Lehmann); (c) "Go From My Window, Go" (Somerville); (d) "Blanca" (Mattei).

8.58—Record—March—Royal Philharmonic Orchestra, "Prince Igor" (Borodine).

9.2—Weather forecast and station notices.

9.4—Record—Selection—The Halle Orchestra, "Solemn Melody" (Davies).

9.8—Soprano—Miss Frances Hamerton: (a) "The Moon Man"; (b) "The Sandman"; (c) "Slumber Song" (Schaefer).

9.15—Violin and Trio—Irene Morris and Christchurch Broadcasting Trio.

Violin, "Allegretto" (Bocherini-Kreisler). Trio, "Scherzo" (Schubert).

9.30—Dance music.

11.0—Close down.

4YA (650 Kc.)—WED., MARCH 16.

3.0—Selected recordings.

3.15—Talk—"Pastry Making," prepared by the Home Science Extension Service, Otago University.

4.30—Sports results.

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

6.0—Dinner music.

7.0—News and reports.

8.0—Chimes. Programme by Minn-singers' Ladies' Choir and Orchestra.

Conductor: John T. Leech. Record—B.B.C. Wireless Military Band, "Dance of the Tumblers" (Rimsky-Korsakov).

8.5—Part Song—The Choir, "A Song on May Morning" (M'Burney).

8.10—Soprano—Miss Ruby Baxter and Chorus (with orchestral accompaniment), "Land of Hope and Glory" (Elgar).

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8.15—Selection — The Orchestra, "Norma" (Bellini).
 8.22—Maori Interlude—Miss Jessie McMillan and Chorus: (a) "Waiata Maori" (with orchestral accompaniment) (Hill); (b) "Pokare Kare" (Hill). Miss Helen Roy and Chorus, "Aloha Oe" (Liliuokalani).
 8.34—Selection — The Orchestra, "Iris" (Reynard).
 8.41—Contralto—Miss Ruth D. Sell, "The Lost Chord" with Orchestral accompaniment (Sullivan).
 8.46—Record—Violin—Mischa Dobrinski: (a) "Deep in My Heart Dear" (Romberg); (b) "Serenade" (Romberg).
 8.52—Part Song—The Choir, "The Snow" (with orchestral accompaniment) (Elgar).
 8.56—Selection — The Orchestra, "Serenade" (Schubert).
 9.0—Weather report and station notices.
 9.2—Soprano—Miss Noni Davidson, "Romanza" (Mascagni). Duet—Misses Maud Kenward and Nell Wilson, "Two Tuscan Folk Songs" (Carracilo). (1.) "A Streamlet Full of Flowers"; (2.) "A Flight of Clouds" (with violin obligato).
 9.10—Record—Band of H.M. Royal Air Force, "Gondolier and Nightingale" (Langey).
 9.14—Part Songs—The Choir: (a) "O Lovely May" (German); "Oh Where, Tell Me, Where" (German).
 9.19—Record—Piano—Mark Hambour, "Rakoczy March" (Liszt).
 9.23—Soprano—Miss Anne White, "The Willow" (Thomas).
 9.25—Selection — The Orchestra, "Valse Danseuse" (Miles).
 9.30—Dance music.
 11.0—Close down.

2YB (1230 Kc.)—WED., MARCH 16.

7.30 to 8.0—News and information.
 8.0 to 10.0—Studio concert.

THURSDAY [March 17]

1YA (875 Kc.)—THURS., MARCH 17.

12.15—Selected recordings.
 12.30—Relay of mid-week service from St. Matthew's Church.
 3.0—Selected recordings.
 3.15—Talk prepared by the Home Science Extension Service of Otago University.
 4.30—Sports results.
 5.0—Children's hour, conducted by Skipper.
 6.0—Dinner music.
 7.0—News and market reports.
 7.40—Talk—Mrs. Gervase Hardwood, "Tips for the Hard of Hearing."
 8.0—Chimes. St. Patrick's Day Programme. Overture—1YA Chamber Orchestra, under direction of Mr. Harold Baxter, "Irish Comedy" (Ansell).
 8.7—Mezzo-soprano—Miss Audrey McDonagh, (a) "At the Mid-Hour of Night" (Moore); (b) "Hey Ho, the Morning Dew" (Trdtl.).
 8.13—Record — Comedy — Michael Casey, (a) "Casey Selling Patent Medicines"; (b) "Casey's Address to His Comrades" (Casey).
 8.19—Patrol—The Orchestra, "Irish Patrol" (Peumer).
 8.23—Baritone—Mr. H. Barry Coney, (a) "When in Death I Calm Recline" (Moore); (b) "Shule Agra" (Moore).
 8.30—Record—Accordion, "Medley of Irish Polkas" (Trdtl.).

8.33—Record—Tenor—Alfred O'Shea, (a) "Eileen Oge" (French); (b) "Two Irish Eyes" (Bland).
 8.39—March—The Orchestra, "Freedom" (Lotter). Orchestral—The Orchestra, "A Celtic Legend" (Howgill).
 8.46—Talk—Mr. A. B. Chappell, "Topical Talk."
 9.1—Evening weather forecast and announcements.



Phil. Smith

The Australian comedian of the J. C. Williamson Company, at present on tour through New Zealand, will appear from 4YA on March 19.

9.3—Record—Light Opera Company, "Lily of Killarney" Vocal Gems (Benedit).
 9.11—Humour—Mr. J. F. Montague, "Irish Life and Character" (arr. Montague).
 9.22—Suite—The Orchestra, "Three Irish Sketches" (Roeckel).
 9.30—Mezzo-soprano—Miss Audrey McDonagh, (a) "Silent O'Boyle" (Moore); (b) "Twas One of Those Dreams" (Moore); (c) "Twas Pretty to be in Ballinderry" (Graves).
 9.36—Record — Humour — Jimmy O'Dea and Harry O'Donovan, (a) "Mrs. Mulligan at the Pawnshop"; (b) "Mrs. Mulligan at the Telephone" (O'Donovan).
 9.42—Baritone—Mr. H. Barry Coney, "Father O'Flynn" (Stanford).
 9.46—Record—Choral—St. Etheldreda Choir, (a) "Hail, Queen of Heaven"; (b) "Faith of Our Fathers."
 9.52—Selection—The Orchestra, "The Shamrock" (Myddleton).
 10.0—Close down.

2YA (720 Kc.)—THURS., MARCH 17.

10.0—Chimes. Selected recordings.
 10.45—Lecturette—"Cooking."
 12.0—Lunch hour music.
 2.0—Selected recordings.

3.15—Lecturette—Miss I. F. Meadows. Talk prepared by the Home Science Extension Department of the Otago University.
 3.30 and 4.30—Sports results.
 5.0—Children's hour, conducted by Uncle George and Big Brother Jack.
 6.0—Dinner music session.
 7.0—News, reports and sports results.
 7.40—Lecturette—Mr. W. J. Fergie, "The People's Railways."
 8.0—Chimes. Relay from the Grand Opera House, Wanganui, of Irish National Concert, organised by Mr. Charles Spillane.
 10.0—Close down.

3YA (980 Kc.)—THURS., MARCH 17.

3.0—Gramophone recital.
 3.15—Home Science Lecturette, prepared by the Home Science Extension Service, Otago University.
 4.30—Sports results.
 5.0—Children's hour, conducted by Ladybird and Uncle Frank.
 6.0—Dinner music session.
 7.0—News and reports.
 7.20—Talk, under the auspices of the N.Z. Forestry League, Mr. C. E. Fowler, "Forestry."
 7.35—Music-lovers' competition.
 8.0—Chimes. Programme of recordings. St. Patrick's Day. Selection—Band of H.M. Grenadier Guards, "The Shamrock" (Myddleton).
 8.8—Tenor—Geo. O'Brien, (a) "They

Call it Ireland"; (b) "There's a Mother Back in Ireland" (Klickmann).
 8.14—Concertina Duo—Flanagan Bros., (a) "Irish Hornpipe"; (b) "Chicken Reel."
 8.20—Baritone—Lawrence Tibbett, "Believe Me, if all Those Endearing Young Charms" (Trdtl.).
 8.23—Foxtrot — Devonshire Restaurant Dance Band, "At the End of an Irish Moonbeam" (Golden).
 8.26—Soprano—Gladys Moncrieff, "Smiling Irish Eyes" (Perkins). Tenor — William Thomas, "Oft in the Still Night" (Trdtl.).
 8.32—Accordionist—William Hannah, "Old Irish Memories" (Trdtl.).
 8.36—Humorous Sketch—Michael Casey and Company, "Casey's Birthday Party" (Casey).
 8.39—Intermezzo—New Symphony Orchestra, "Londonderry Air" (arr. Grainger).
 8.42—Tenor—Alfred O'Shea, (a) "Macushla" (Macmurrrough); (b) "Little Town in Ould County Down" (Pascoe).
 8.48—Waltz—Novelty Orchestra, "Irish Waltz Medley."
 8.51—Bass—Foster Richardson, (a) "Blarney Roses" (Flint); (b) "There's a Girl in Kildare" (Norton).
 8.57—Contralto—Rose Ellis, "The Rosary" (Nevin).
 9.0—Weather forecast and station notices.
 9.2—Talk—Mr. P. P. J. Amodeo, "Ireland."

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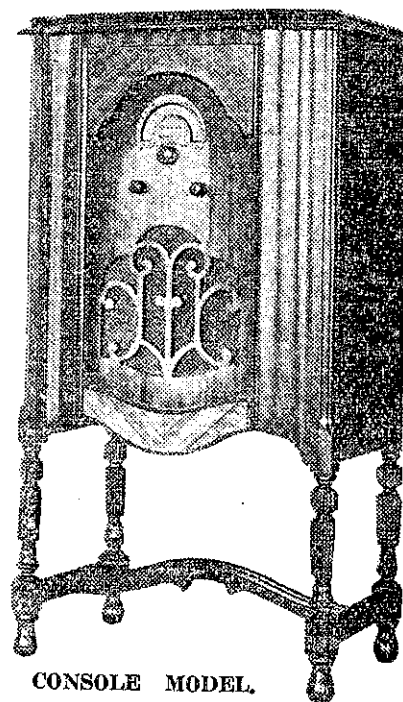
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9.17—Song Melody—J. H. Squire's Celeste Octet, "Killarney" (Balfe).
 9.20—Male Quartet—Gresham Singers, "The Meeting of the Waters" (Johnson).
 9.23—Bass—Norman Allin, "Father O'Flynn" (Stanford).
 9.26—Patrol—Eastbourne Municipal Band, "The B'hoys of Tipperary" (Amers).
 9.29—Tenor—John McCormack, (a) "To the Children" (Rachmaninoff); (b) "Adeste Fideles."
 9.36—Mouthorgan—P. C. Hopkinson, "Irish Airs" (Trdtl.).
 9.39—Baritone—Mr. Peter Dawson, "The Kerry Dance" (Molloy).
 9.43—Humorous Sketch—Michael Casey, "Casey at the Hospital" (Casey).
 9.46—Foxtrot Medley—Novelty Orchestra, "Echoes of Ireland" (Lange).
 9.49—Baritone—Lawrence Tibbet, "Drink to Me Only with Thine Eyes" (Calcott).
 9.52—Soprano—Amelita Galli Curci, (a) "The Last Rose of Summer" (Trdtl.); (b) "Home, Sweet, Home" (Bishop).
 10.0—Medley Waltz—The Troubadours, "Popular Songs of Yesterday."
 10.4—Close down.

4YA (650 Kc.)—THURS., MARCH 17.

8.0—Relay from His Majesty's Theatre of St. Patrick's Night Concert.
 10.0 (approx.)—Close down.

FRIDAY .. [March 18]

1YA (875 Kc.)—FRIDAY, MARCH 18.

3.0—Chimes. Selected recordings and literary selection.
 4.30—Sports results.
 5.0—Children's hour, conducted by Nod and Aunt Jean.
 6.0—Dinner music session.
 7.0—News and market reports.
 7.40—Talk—"Sports Talk."
 8.0—Chimes. Record—Dajos Bela Orchestra, "Three Waltz Kings" (arr. Lindemann).
 8.9—Tenor—Mr. Dan. Foley, (a) "Kitty of Coleraine" (Moffat); (b) "At the End of an Irish Lane" (Clint).
 8.15—Instrumental—The Whisker Instrumental Quartet, (a) "Rendezvous" (Komzak); (b) "Duetto" (Bonheur).
 8.25—Record—Grand Opera Company, "Mignon" Vocal Gems (Thomas).
 8.33—Recital—Miss Hilda Morse, "The Storming Party" (Doyle).
 8.39—Novelty Instrumental—Meredith's Adelphians, "When the Roses Bloom Again in Normandy" (Rosoff); (b) "While Hearts are Singing" (Strauss); (c) "Ninety-nine Out of a Hundred" (Lewis).
 8.48—Contralto—Miss Maida Davison, (a) "The Dream Canoe" (Squire); (b) "The Harvest" (Del Riego).
 8.54—Record—Comedy—Leonard Henry, (a) "Why is the Bacon so Tough?" (Prentice); (b) "Sh-shivering" (Doody).
 9.0—Evening weather forecast and announcements.
 9.2—Talk—Mr. J. C. Brougham, "The Foreign Legion: Rationing, Graft, Desertion, Punishments" (arr. Brougham).
 9.17—Instrumental—Whisker Instrumental Quartet, (a) "Berceuse" (Squire); (b) "La Cinquantaine" (Gabriel-Marie).
 9.25—Tenor—Mr. Dan Foley, (a) "Rose of Tralee" (Glover); (b) "Little

Town in Ould County Down" (Carlo and Sanders).
 9.30—Record—Parlophone Salon Orchestra, "A Lover in Damascus" (Woodforde-Finden).
 9.38—Humour—Miss Hilda Morse, "The Dentist and the Gas" (Leacock).
 9.42—Novelty Instrumental—Meredith's Adelphians, (a) "It Looks Like Rain" (Donaldson); (b) "Me" (Berlin); (c) "Roll On, Mississippi, Roll On" (West).
 9.50—Contralto—Miss Maida Davison, "June's Golden Song" (Daie).
 9.54—Record—Band of H.M. Coldstream Guards, "The Yeomen of the Guard" (Sullivan).
 10.0—Close down.



Frank Sutherland

Bass-baritone, who has selected a wide variety of songs for his next appearance from 1YA, on March 19.

2YA (720 Kc.)—FRIDAY, MARCH 18.

10.0—Chimes. Selected recordings.
 11.12—Lecturette—"Fashions."
 12.0—Lunch-hour music.
 2.0—Selected recordings.
 3.30 and 4.30—Sports results.
 5.0—Children's hour, conducted by Uncle Jim.
 6.0—Dinner music session.
 7.0—News, reports and sports results.
 7.40—Lecturette—Mr. K. C. James, "Wicket-keeping."
 8.0—Chimes. Overture—2YA Orchestra (conductor, Signor A. P. Truda), "Emblem" (Schlepegrell).
 8.3—Bass—Mr. Wm. Boardman, (a) "A Bachelor Gay" (Tate); (b) "The Mighty Deep" (Jude).
 8.14—Elocution—Mr. Clement May, "Stories by the Way" (Part 1).
 8.26—Selection—2YA Orchestra, "Maid of the East" (Neale).
 8.36—Soprano—Miss Myra Sawyer, (a) "Spring's Awakening" (Sander-son); (b) "Love's a Merchant" (Carew).
 8.42—Novelty—Mrs. Mildred Kenny's Guitar Quartet, (a) "Tangled Roses" (Livernash); (b) "Bend Down, Sister" (Conrad).
 8.50—Selection—2YA Orchestra, "Popular Melody" (Sullivan-Godfrey).
 9.0—Weather report and station notices.
 9.2—Duet—Miss Myra Sawyer and Mr. Wm. Boardman, "The Syren and Friar" (Emanuel).
 9.6—Novelty—Mrs. Mildred Kenny's Guitar Quartet, (a) "Southern Moon"

(Zamecnik); (b) "Coon Song" (Bassett).
 9.12—Elocution—Mr. Clement May, "Stories by the Way" (Part 2).
 9.18—Valse—2YA Orchestra, "Destiny" (Baynes). Foxtrot—Dancing Time" (Kern).
 9.30—Dance programme.
 11.0—Close down.

3YA (980 Kc.)—FRIDAY, MARCH 18.

3.0—Gramophone recital.
 4.30—Sports results.
 5.0—Children's hour, conducted by Aunt Pat.
 6.0—Dinner music session.
 7.0—News and reports.
 8.0—Chimes. March—The Studio Orchestra (Conductor, Harold Beck), "The Ultimatus" (Allan). Overture—The Orchestra, "Crown Diamonds" (Auber).
 8.10—Record—The Revellers, "Tip Toes" Vocal Gems (Gershwin).
 8.14—Record—Whistling—Guido Gialdini, "Nola" (Arndt).
 8.17—Baritone—Mr. A. G. Thompson, (a) "Grendon Fair" (Marie); (b) "The Mother's Heart" (Clarke).
 8.22—Record—H.M. Irish Guards Band, "The Desert Song" (Romberg).
 8.25—Sketch—The Mascots, "Sign Posts" (Cronin).
 8.35—Piano Duet—Misses Aileen Warren and Maisie Ottey, "Habanera No. 3" (Moszkowski).
 8.39—Record—Ensemble, "The Balcony Girl" (Holt).
 8.47—Foxtrots—Studio Orchestra, (a) "Goblin Blues" (Monte Carlo); (b) "The Can Song" (Williams).
 8.53—Record—Light Opera Company, "Sunny" (Kern).
 8.57—Record—Humour—John Henry, "Over the Garden Wall" (Henry).
 9.3—Weather forecast and station notices.
 9.5—Polka—Studio Orchestra, (a) "Pizzicato" (Strauss); (b) "The Clock is Playing" (Blaauw).
 9.12—Baritone—Mr. A. G. Thompson, (a) "Listenin'" (Wood); (b) "Win-nin' Thro'" (Hope).
 9.18—Piano Duet—Miss Aileen Warren and Maisie Ottey, "Sonata 3"; (a) "Andante"; (b) "Allegro" (Mozart).
 9.35—Sketch—The Mascots, "The Amorous Cop" (Cronin).
 9.43—Selection—Studio Orchestra, "Belle of New York" (Kerker).
 9.48—Record—Humour—George Graves and Myles Clifton, "The 'Ole in the Road" (Seamark).
 9.56—Waltz—Studio Orchestra, "Valse Rose" (Laurendeau).
 10.1—Close down.

4YA (650 Kc.)—FRIDAY, MARCH 18.

3.0—Selected recordings.
 4.30—Sports results.
 5.0—Children's hour, conducted by Aunt Sheila.
 6.0—Dinner music session.
 7.0—News and reports.
 7.40—Cricket Talk—Mr. F. T. Badcock, "Bowling."
 8.0—Chimes. Record—New Mayfair Orchestra, "Follow Through" (de Sylva, Brown and Henderson).
 8.9—Solo and Chorus—The Select Four, (a) "Pack Up Your Troubles" (Powell); (b) "I've Lost My Heart in Maoriland" (Friend).
 8.16—Waltz—Dagg's Dance Band, "Popular Old Melodies" (arr. Dagg).
 8.24—Humour—Mr. Lester F. Moller, "Mr. Potter Waxes Historical" (Potter, arr. Moller).
 8.30—Solo and Chorus—The Select Four, (a) "Tipperary" (Williams); (b) "Peggy O'Neill" (Pease).

8.37—Quadrilles—Dagg's Dance Band, "Set of Quadrilles" (arr. Dagg).
 8.50—Bass—Mr. E. Bond, "A Song of the North" (Head).
 8.54—Record—Organ—Jesse Crawford, (a) "Why Can't You?" (de Sylva, Brown and Henderson); (b) "Little Pal" (Henderson).
 9.0—Weather report and station notices.
 9.2—Record—Walter Kolomoku's Honoluluans, "Southern Melodies" (Trdtl.).
 9.10—Solo and Chorus—The Select Four, (a) "I Want Some Money" (Silverman); (b) "Pucker Up and Whistle" (Vincent).
 9.17—One-step—Dagg's Dance Band, (a) "Savoy English Medley" (arr. Dagg); (b) "Savoy American" Medley (arr. Dagg).
 9.27—Humour—Mr. Lester F. Moller, (a) "This Vegetarian Business" (Browne); (b) "The Village Poet."
 9.33—Record—Accordion—Marceau, "Espada" (Marceau).
 9.36—Contralto—Miss M. Howden, (a) "Meadowsweet" (Brahe); (b) "That's All" (Brahe).
 9.42—Medley—Dagg's Dance Band, (a) "Common Schottische"; (b) "Maxima"; (c) "Foxtrot" (arr. Dagg).
 9.52—Solo and Chorus—The Select Four, (a) "Humming" (Henderson); (b) "There's a Long, Long Trail a-Winding" (Elliott).
 9.56—Waltz—Dagg's Dance Band, "Goodnight Waltz" (arr. Dagg).
 10.2—Close down.

SATURDAY [March 19]

1YA (875 Kc.)—SAT., MARCH 19.

3.0—Chimes. Selected recordings and literary selection.
 4.30—Sports results.
 5.0—Children's hour, conducted by Cinderella.
 6.0—Dinner music session.
 7.0—News and market reports.
 8.0—Chimes. March—1YA Chamber Orchestra, under direction Mr. Harold Baxter, "The Thunderer" (Wacek).
 8.8—Mezzo-soprano—Mrs. Jean le Petit, (a) "The Arrow and the Song" (Balfe); (b) "My Treasure" (Trevalsa).
 8.14—Record—Banjo—Harry E. Reser, (a) "The Clock and the Banjo" (Reser); (b) "Lollipops" (Reser).
 8.20—Baritone—Mr. Stan. Pritchard, (a) "Boots" (McCall); (b) "Sea Fever" (Ireland).
 8.26—Ballet—The Orchestra, "Sylvia" (Delibes).
 8.34—Popular Vocal and Piano—Mr. and Mrs. A. J. Prentice, (a) "Gee, but I'd Love to Make You Happy" (Shay); (b) "When I'm Looking at You" (Stothart); (c) "My Canary has Circles Under His Eyes" (Gollien).
 8.41—Record—Xylophone—Victor Sterling, (a) "Sons of the Brave" (Biddgood); (b) "With Sword and Lance" (Starke).
 8.47—Mezzo-soprano—Mrs. Jean le Petit, (a) "The Country Dance" (Brahe); (b) "The Way Home" (Liddle).
 8.53—Suite—The Orchestra, "Children's Suite" (Ansell).
 9.1—Evening Weather forecast and announcements.
 9.3—A Sea Story—Lee Fore Brace, "Lost Atlantis" (arr. Eadie).
 9.23—Suite—The Orchestra, "Knicks Knacks" (Tapp).

9.30—Record—The Two Gilberts, (a) "Tid-dle-id-dle-um-pum" (May); (b) "We Must All Pull Together" (Weston). Organ—Reginald Foort, "Just Like a Darby and Joan" (Gilbert).

9.39—Baritone—Mr. Stan. Pritchard, "The Storm Fiend" (Roedel).

9.43—Record—John Henry and Blossom, "Over the Garden Wall" (Henry).

9.49—Popular Vocal and Piano—Mr. and Mrs. A. J. Prentice, (a) "Got the Bench, Got the Park" (Lewis); (b) "When I Take My Sugar to Tea" (Tierre and Norman).

9.55—Waltz—The Orchestra, "Druid's Prayer" (Davson).

10.0—Programme of Dance music.

11.0—Sporting summary.

11.10—Close down.

2YA (720 Kc.)—SAT., MARCH 19.

3.0—Chimes. Selected recordings.

3.30 and 4.30—Sports results.



Naomi Whalley

Soprano, who, with William Watters (baritone), will present solos and duets during 2YA's after-church concert on Sunday, March 13.

5.0—Children's hour, conducted by Aunt Molly and Uncle Jasper.

6.0—Dinner music session.

7.0—News, reports, and sports results.

7.40—Lecturette—Mr. W. A. Sutherland, Secretary, Wellington Automobile Club, "Road Report for Easter."

8.0—Chimes. Record—Band of H.M. Grenadier Guards, "Marche Slav" (Tschalkowsky).

8.3—Quartet—The Etude, "Huntsman's Chorus" (Weber). Soprano—Miss Gretta Stark, "The Lass with the Delicate Air" (Arne).

8.14—Fantasia—Salon Orchestra (Conductor, Mr. M. T. Dixon), "Vienna Echoes" (arr. Tobani).

8.22—Duet—Miss Gretta Stark and Mr. Richard Maunder, "Kiss Me" (Hirsch). Baritone—Mr. Ray Kemp, "Eileen Oge" (Collinson).

8.28—Record—Humour—John Henry, "John Henry's Christmas Eve" (Henry).

8.34—Selection—Salon Orchestra, "The Chocolate Soldier" (Strauss).

8.44—Contralto—Mrs. Ray Kemp, "Roses of Picardy" (Wood). Tenor—Mr. Richard Maunder, "Plaisir d'Amour" (Martini).

8.50—Instrumental—Salon Orchestra, "Monsieur Beaucaire" (Rosse).

9.0—Weather report and station notices.

9.2—Humour at the Piano—Mr. Will Bishop, "Bells and Clouds" (Bishop).

9.17—Record—Russian Novelty Orchestra, "Tesoro Mio" (Becucci). Record—Winter Garden Orchestra, "Express Train Galop" (Von Blon).

9.23—Trio—The Etude, "Whip-poor-will" (de Voll).

9.27—Suite—Salon Orchestra, "Pastoral Sketches" (Mayerl).

9.37—Duet—Mr. and Mrs. Ray Kemp, "I Want a Boy" (Hirsch). Quartet—The Etude, "Mary" (Richardson).

9.43—Record—Humour—North and South, "Shinani Ki Da" (Carlton). Record—Humour—Gracie Fields, "Fall in and Follow the Band" (Haines-Leon).

9.49—Instrumental—Salon Orchestra, Latest dance novelties.

10.0—Dance programme.

11.0—Sporting summary.

11.10—Close down.

11.10—Close down.

3YA (980Kc.)—SAT., MARCH 19.

3.0—Gramophone recital.

4.30—Sports results.

5.0—Children's hour, conducted by Aunt Pat.

6.0—Dinner music.

7.0—News and reports.

7.30—Sports results.

8.0—Chimes. Instrumental—Christchurch Salon Orchestra (Conductor: Francis Bate, "Three Spanish Dances" (Moszkowski).

8.11—Record—Light Opera Company, "The Merry Widow" (Lehar).

8.19—Record—Schottische—International Novelty Quartette, "Lena" (Mewes).

8.22—Bass—Mr. R. S. H. Buchanan: (a) "A Pastoral" (Maley); (b) "The Old Road" (Scott).

8.26—Record—Duet—Dalhart and Robison, "Hear Dem Bells" (McCosh).

8.29—Popular Song—Phil Smith, "Telling the Birds, Telling the Bees, How I Love You" (Brown).

8.36—Suite Fragments—Salon Octet: (a) "Menuet" (Bizet); (b) "Taran-dale" (Bizet).

8.46—Soprano—Miss Addie Campbell, "Street Cries of London" (Lewis).

(a) "Sweet Bloomin' Lavender"; (b) "Rags and Bones"; (c) "The Sweep."

8.53—Record—Waltz—Panachord Band, "Cuckoo" (Jonasson).

8.56—Record—The Jolly Old Fellows, "Drinking Songs" (Trdtl.).

9.2—Weather forecast and station notices.

9.4—Intermezzo—Salon Orchestra: (a) "Cavatina" (Raff); (b) "Barcarolle" (Offenbach).

9.14—Record—Male Voices, Kana-wha Singers, "Climb Up Ye Chillun, Climb" (Kent).

9.17—Record—Waltz—Royal Music-makers, "Ah; Sweet Mystery of Life" (Herbert).

9.20—Bass—Mr. R. S. H. Buchanan: (a) "Mairie My Girl" (Aitken); (b) "The Skipper of the Mary Jane" (Richards).

9.26—Record—Organ—Jesse Crawford, "Roses of Yesterday" (Berlin).

9.29—Humour—Phil Smith, "At the Vicar's Fancy Ball" (David, Lee).

9.36—Instrumental—Salon Orchestra, "Serenade" (Drigo).

9.41—Soprano—Miss Addie Campbell, "The Little Old Church in the Valley" (Van Alstyne).

9.45—Record—Piano—Lee Sims, "What's the Use?" (Newman).

9.48—Record—Light Opera Company, "Oh! Kay" (Gershwin).

9.52—Record—March—National Military Band, "The Gladiator's Farewell" (Blankenburg).

10.0—Dance music.

11.0—Close down.

4YA (650 Kc.)—SAT., MARCH 19.

3.0—Selected recordings.

4.30—Sports results.

5.0—Children's hour, conducted by Aunt Anita.

6.0—Dinner music.

7.0—News and reports.

8.0—Relay of programme from 3YA, Christchurch.

10.0—Dance music.

11.0—Close down.

2YB (1230 Kc.)—SAT., MARCH 19.

7.30 to 8.0—News and information.

8.0 to 10.0—Studio concert.

SUNDAY . . [March 20]

1YA (875 Kc.)—SUN., MARCH 20.

2.0—Selected recordings.

3.0—Presentation by 1YA Broadcasting Choir of the Sacred Cantata—"The Seven Last Words of Christ." Selected recordings.

6.0—Children's song service, conducted by Uncle Leo.

6.55—Relay of service from the Church of Christ, West Street. Preacher: Pastor W. Campbell.

8.30—Relay of Municipal Band Concert from Albert Park (Conductor: Mr. George Buckley). March—The Band, "Cavalry of the Clouds" (Alford).

Overture—The Band, "The Bronze Horse" (Auber). Cornet—Mr. J. Davies, "The Holy City" (Adams).

Selection—The Band, "Classica" (Ewing). Piccolo—Mr. Hal C. McLennan, "Sparkling Dew Drops" (Blancheteau). Selection—The Band, "Reminiscences of Beethoven" (Beethoven).

Xylophone—Mr. R. Jackson, "Orchard Blossoms" (Underhill). Selection—The Band, "Cavalleria Rusticana" (Mascagni). Hymn—The Band, "Abide With Me" (Monk). March—"The Men of Mons" (Marechal).

10.0—Close down.

1ZR Programme

Week Commencing Friday, March 11

Friday, March 11.

10.30 a.m.: Devotional Service. Uncle Scrim. 11.15: Informative Talk, "Mensama" on "Numerology." 11.45: Music programme. 2.0 p.m.: Close down. 5.0: Dinner music. 6.0: Children's session with Uncle Kam and Fairy Princess. 7.0: Sport. Mr. Bill Hindman. 7.30: Music. 8.0: Evening's programme. Studio concert arranged by Miss Gladys Barton.

Saturday, March 12.

10.30 a.m.: Devotional service by Sister Rita. 10.45 a.m. to 1.30 p.m.: Popular music programme. 5.0: Dinner music. 6.0: Children's session, with Polly Flinders, Alice in Wonderland and Jack the Giant Killer. 7.15: Mr.

G. Roland Hutchinson, "An Article from the Smallholder." 8.0: Popular programme. 9.30: Dance music.

Sunday, March 13.

9.0 a.m.: Uncle Tom and His Children's Service. 9.45 to 10.30: Studio Church Service, conducted by Uncle Scrim and the 1ZR Broadcasting Choir. J. Whitley McElwain, Conductor. 6.0 p.m.: Music. 6.15: Miss Baker, Church of England Children's Service. 7.0: Relay of A. H. Ballimore Mission Service. 8.30: Standard Classics Music Programme.

Monday, March 14.

10.30 a.m.: Devotional Service—Mr. Garner. 10.45: Music. 11.15: "Maorlander." Subject: "Tit-bits." 11.40: Music. 2.0 p.m.: Close down. 5.0: Dinner music. 6.0: Children's session—Goldlocks, Hoppy and Uncle Bern. 7.0: Music.

Tuesday, March 15.

10.30 a.m.: Devotional Service—Uncle Scrim. 10.45: Music. 11.15: Madame Milne—"Diet and Health." 11.40: Music. 2.0 p.m.: Close down. 5.0: Dinner music. 6.0: Children's session: Aunts Ruth and Nina and Uncle Scrim. 7.0: Music. 7.15: Rev. Father Terry. 8.0: Popular programme selected by Mr. Lewis Eady, senr.



Gretta Stark

Soprano, who will be heard in solos and in duets with Richard Maunder, from 2YA, on March 19.

—S. P. Andrew photo.

Wednesday, March 16.

10.30 a.m.: Devotional Service—Uncle Scrim. 10.45: Music. 11.15: Mrs. Hyams. 11.40: Music. 2.0 p.m.: Close down. 5.0: Dinner music. 6.0: Children's session—Miss Muffitt. 7.0: Music. 7.15: Rod Talbot—"Motor-ing." 7.40: Music.

Thursday, March 17.

10.30 a.m.: Devotional Service—Uncle Scrim. 10.45: Music. 11.15: Mr. C. Morris: President Primary Schools' Association. 11.40: Music. 2.0: Close down. 5.0: Dinner music. 6.0: Children's session—"Wendy." 7.0: Music. 7.15: T. H. Bellington, "Boys on the Land." 8.0: St. Patrick's Day Special Irish Music and Dance programmes supplied by the Vacuum Oil Co.

Children's Session

From 1YA.

Tuesday.—Uncle Dave, children assisting with recitations and piano solos.

Wednesday.—Uncle Reg, songs and choruses from girls.

Thursday.—Skipper, with Mae Powderill's Banjo Band assisting.

Saturday.—Cinderella, with children contributing musical numbers.

Sunday.—Song service, conducted by Uncle Leo, assisted by Knox Presbyterian Sunday School.

FROM 2YA.

Monday, March 14.—Uncle Jeff is giving a dolls' tea party to-night, and all the little girls are bringing down their favourite dolls. There will be the Dutch doll, who will dance for you, the French doll, in her Parisian gown, who will sing for you, the sailor doll to dance a hornpipe, the penny doll, who is very talented, and many others in their party frocks. These dolls have also prepared a little play called "The Fairy and the Doll."

Tuesday.—Jumbo's long-promised visit to Mount Egmont will really take place to-night. Jumbo and Jemuna are going to take all radioland to the very top of the mountain. There will be ski-ing, snowballing, charades, play-acting, and a real picnic tea around the fire, when we can all join together and sing camp songs.

Wednesday.—Wednesday brings Aunt Daisy and her Cheerful Chirpers

with songs and choruses. Aunt Daisy will have a topical talk for you; besides, a story and riddles and birthday greetings.

Thursday.—Here come the Optimists with fun, laughter, and jokes to entertain you all. There will be a railway trip over the Rimutakas, and songs, stories, and choruses. This is special, so don't miss to-night.

Friday.—Uncle Jim will entertain us all with a delightful "Fairy Evening" to-night. You will hear a little fairy play called "The Fairy Riddle," and you will meet "The Brownie Pedlar," the "Fairy Artist," and "The House Fairy," and Uncle Jim has a special fairy tale for you.

Saturday.—Aunt Molly has received an invitation from Cousin Mary to go with her and take the radioland children to the Emperor's garden party in Japan. There is to be a dinner party afterwards.

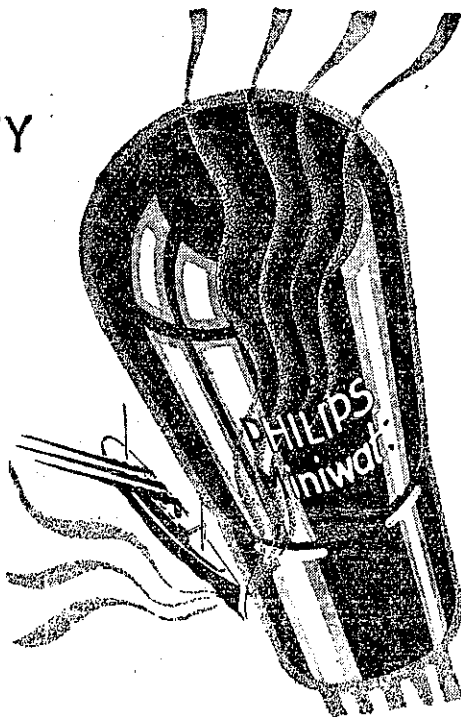
Sunday.—Uncle George will conduct the children's evening song service, and the children's choir work will be done by the Vivian Street Church of Christ.

Controlling Reaction

AMONG the chief factors influencing the degree of reaction employed is the spacing from the tuning coil of the reaction coil and the number of turns in the latter. The greater the turn number the stronger the reaction, but the greater the distance between the coils the weaker the reaction.

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2ZW Programmes

Notes and News

BACK from a week at the beach, Mr. "Heigh Ho" returns to the 2ZW microphone. He has been missed. The telephone has been working overtime, the office staff explaining that Mr. "Heigh Ho" was merely on vacation. It was a relief when Tuesday's "Radio Record" appeared with the public announcement of this, as the telephone calls then decreased greatly in number. Welcome home to Mr. "Heigh Ho."

A NEW sponsored programme is announced as a weekly feature. Lewis Berger and Sons, Limited, manufacturers in New Zealand of paints and colours, appear on the air on Monday nights a little after 8 p.m. in a weekly review called "Colour in Music and Story." Colour and music are very definitely allied. Both affect the emotions, and every melody is able to be associated with a particular colour. For instance, a battle song suggests the colour scarlet; a love song suggests pale blue or mauve or violet; a humorous song suggests bright yellow. This should prove one of the most interesting and entertaining programmes that the station broadcasts.

THROUGH a deliberate policy of varying entertainment with education, 2ZW has arranged that there shall be at least one item a day of educational matter broadcast. At present there are several series of instructional and at the same time interesting talks being delivered. The Director of Scientific Research, Dr. Marsden, speaks on alternate Wednesdays on "New Zealand Industries." Mr. D. Matheson, manager of Parenga Tung Oil, speaks on Thursday evenings on "The Tung Oil Industry." Mr. H. Amos, director of two well-known schools, speaks on Tuesday evenings on "Education as it Affects the Young Men and Women of To-day." Two series of morning talks, of particular interest to women, are the talks by Mrs. Deacon and Mrs. Adamson. Mrs. D. W. Adamson is an authority on diet, and on Tuesday mornings speaks on this subject. Mrs. W. Deacon is an authority on foot trouble and on Friday mornings delivers short, interesting talks on this subject. None of these talks are more than ten or fifteen minutes, and each speaker has been carefully chosen as an authority on the particular subject.

STARTING on Wednesday morning, March 9, a new voice will be heard conducting the women's session. The woman behind this new voice is an expert cook, and is an enthusiast in all the departments in which women, generally speaking, are interested. Her name will be announced on Wednesday morning. In future the 2ZW women's session will be punctuated with two or three-minute talks on fashion, cooking, gardening and general topics of interest to women.

2ZW.

Wednesday, March 9.

10: Devotional service. 10.15 to 11.45: Women's session, including daily Star Store cooking recipe. 11.45 to

12: Miscellaneous orchestral programme. 5-6: Children's hour (Aunt Betty, Lady Gay, Pat, Gloria and Uncle Toby). 7.0: After-dinner music. 7.15: Talk by Mr. W. E. Lavelle, architect, on "The Place of the Architect in Modern Life." 8.0: Tabloid revue by Ipana Merry-makers. 8.30-10: All-British programme. 10-11: Dance music.

Thursday, March 10.

10.0: Devotional service. 10.15: Special relay session. 10.30-11.15: "Alice from Kirkcaldie," a session for tiny tots—fairy stories, nursery rhymes, etc. 11.15-12: Fashion plates and music. 12-2: Miscellaneous orchestral programme. 3.0: Relay from Kirkcaldie and Stains' tearooms. 7.0: After-dinner music. 7.15: Talk on the tung oil industry. 8-10: Kirkcaldie's studio concert. 10-11: Dance music.

Friday, March 11.

10.0: Devotional Service. 10.30: Weekly talk by the Star Stores. 11.15: Second talk on "Foot Troubles" by Dr. Scholl's woman expert, Mrs. W. Deacon. 11.45-2: Miscellaneous orchestral programme. Silent evening.

Saturday, March 12.

12-2: Miscellaneous band and orchestral programme. 7-8: After-dinner music. 8-10: Light popular programme. 10-12: Dance session, including relay from Majestic Lounge.

Sunday, March 13.

11.0: Devotional service. 6.30: Eventide music. 7.0: Relay of evening service from St. Paul's Pro-Cathedral. 8.15: Gems from the masters. 10.5: Epilogue—"The Silent Fellowship."

Monday, March 14.

10.0: Devotional service. 10.15-11.45: Women's session (as on Wednesday). 11.45 to 2: Miscellaneous orchestral programme. 7.0: After-dinner music. 7.30: Weekly talk to motorists by Mr. Ernest Lewis, managing-director of Rover Motors, Limited. 8.0: "Colour—in Music and Story," being Lewis Berger and Sons' weekly tabloid revue. 10-11: Dance music.

Tuesday, March 15.

10.0: Devotional service. 10.15-11.0: Women's session. 11.0: "Diet and Health," third of a series of talks by Mrs. D. W. Adamson, dietitian. 11.15-12: Miscellaneous orchestral programme. 7.0: After-dinner music. 7.15: Fifth of a series of talks by Mr. H. Amos, F.R.E.S., F.A.I.S., etc., on "Education." 8.0: Vacuum Oil Company's programme. 8.9: Old-time melodies. 8.45: Mr. Voco talks again. 9-11: Dance programme by 2ZW's full dance orchestra.

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McCABES RADIOS, Newton, Auckland.		

Advisory Council

(Continued from page 9.)

member of the Institute of Electrical Engineers, and a member of the Institute of Radio Engineers. During the war he held a commission in the Royal Engineers, and later became a wireless officer in the Royal Flying Corps.

He has been an engineer to North-Western Radio Mfg. Co., U.S.A., and



on the advisory staff of W.H.A. Since 1924 he has been in business in Christchurch as a civil electrical engineer. For some years he has been technical correspondent to the Christchurch "Sun," and is at present a lecturer to the Christchurch Radio Society.

Invercargill

MR. ALFRED JONES attended the Southland Boys' High School, and on leaving secured a position as junior in the Southland Building Society's office, where he took up accountancy and commercial work. He was a member of the staff of the City Council till 1911, leaving to join the firm of W. A.

Ott and Co., Ltd., of which firm he later became a partner. He was one of the foundation members of the Invercargill Stock Exchange, and was chairman in 1925. He was an ex-member of the Southland Education Board, of which he was elected chairman in 1929, and a member of the Southland High School Board of Governors, and Southland Technical College Board. He is also a life member and ex-chairman of the Southland Schools' Committees' Association, and was elected chairman of the Southland School Committees' Association in 1929. He was appointed Justice of the Peace in 1924, and at the formation of the Southland Justices of the Peace Association in July, 1928, was unanimously elected registrar. He matriculated about five years ago, and took up law studies, and pass-



ed in several subjects at the New Zealand University Examinations in legal subjects.

For the last two years Mr. Jones has been actively connected with local radio as chairman of the Southland Radio Club.

Dunedin

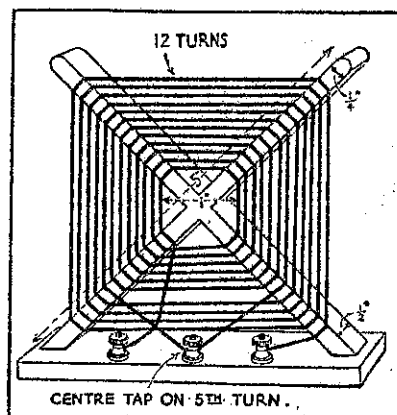
MR. HAROLD BOOTH, accountant, of Dunedin, is a prominent business man, and well-known to most readers of the "Radio Record." He will be more familiarly known as the organiser of the N.Z. Radio Listeners' League, an organisation founded by him in 1930 to further the interests of listeners generally. Mr. Booth has always been strongly of the opinion that radio broadcasting should be under the control of listeners, or at least they should have some say in its operations. The league which Mr.

Booth founded and has organised in the four principal cities of New Zealand, has a nominal membership of over 3000.



Shortwave Antenna for the "Super Six"

WE have received many inquiries from owners of "Super Six" receivers asking for constructional details of the short-wave frame antenna. Previously we have not thought this worth while, as this component can be obtained commercially at a quite reasonable price. However, for those who prefer to make their own, we publish the following details:—



The antenna is wound on two strips of ebonite or other suitable material. 5in. long, 4in. wide, and 4in. deep.

ENGLISH PARTS FOR "CATHODE" SUPER

900 ohm. Flexible Resistor .1/-
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Large stock of Wires and Insulation.
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mounted in the form of a cross, as shown in the diagram. The winding, which is centre tapped, is carried in slots cut in the cross-over ebonite supports. Silk covered Litz wire or 24/36 frame aerial wire is used, and the winding tunes from approximately 19 metres upwards, depending upon the efficiency of the set. Twelve turns in all are put on, and they are wound in saw-cuts made approximately 1-8in. apart in the four arms. All further details are given in the sketch.

Owing to the smallness of the antenna, it will be found that tuning on both the aerial and oscillator condensers, is rather critical, and for this reason slow-motion dials of good quality are a necessity.

Questions and Answers

(Concluded on page 13.)

bank-wind the two coils on the one former, keeping them separated by one and a half inches or so?

IAN (Christchurch).—Would it be satisfactory to work the "Cathode Super" as far as the second detector from a standard powerpack without reducing the value of the anode resistance and those for the screen and grid bias? I have a powerpack which will deliver up to 250 volts, 100 mamps.

A.: Yes. As a matter of fact, its initial testing was done under these circumstances, when American and Japanese stations were tuned in on a speaker. Naturally the volume cannot be made too great without introducing distortion. The voltage on the 224 valves is no higher than usual.

2. I have two audio amplifiers, one used in push-pull, and the other incorporating the Loftin-White. Which do you consider to be the most suitable for the super-het?

A.: The push-pull amplifier would be decidedly better, although either might be used successfully.

M.M.M. (Auckland): Your circuit appears to be correct, and it seems that you are not getting the best results because your condensers are out of step. Try first of all the effect of balancing condensers, and if they improve things in any way, adjust the coils until you get the condensers in step. With two stages of screen-grid you should get really good results.

STENODE (Wellington): As far as we can see, no damage is being done when your eliminator stops.

2. We think that type of rectifier suitable for your needs is not available in New Zealand at the present time.

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Empire Radio

(Continued from page 1.)

relay stations for broadcasting. A relay line built for the British Broadcasting Corporation, for instance, cost £500,000 because of the elaborate devices for transmitting every range and gradation of sound—including even the shrill note of the piccolo.

What is the shape of your voice? Is it angular or curved? Jagged or jumpy? Visitors are able to see their own voices at the exhibition. The voice appears as a wriggling, jumping beam of blue light. Each voice looks different. A shrill note makes the beam shimmy feverishly. A deep bark results in big, sudden jumps. This effect is obtained by speaking into an ordinary receiver attached to a cathode ray oscillograph. The beam of blue light is thrown on the end of the valve and is deflected by the impulse of the voice. This beam dances about, forming different shapes according to the strength and frequency of the voice.

The latest invention in telegraphy is attracting crowds of eager children. This is the teleprinter.

This instrument looks like an ordinary typewriter with a standard keyboard. The operator simply types the message and it is simultaneously reproduced, at the rate of 360 characters a minute, on a distant typewriter at, say, Glasgow or Plymouth. It appears without human intervention, as a type-written strip which is pasted on to the telegraph form. Teleprinters were originally invented by a Glasgow post office mechanic called Creed. Now they are rapidly superseding all other instruments used for sending telegrams.

The post office looks forward to the day when businessmen will have teleprinters in the office, and will send instantaneous messages direct to other private individuals. For business dealings this would have one important advantage over the telephone—the order would be in writing and the possibility of misunderstanding would thus be wiped out.

The biggest crowds of children are clustering round two other new inventions. One is a model telephone kiosk which lights up when the daylight fades—or when a hand is placed over a window in the roof. It is fitted with a selenium cell (the active principle behind the talkies and picture transmission), which turns on a switch when it

is deprived of light. Phone boxes of the future may, if the experiment is put into practice, light up automatically as it gets dark.

The other is a new fire alarm. It registers its own number and position at the fire brigade's headquarters when the handle is pulled. It also rings a loud bell when it is touched in the vital spot to attract the attention of passers-by, and so discourage small boys who amuse themselves by giving false alarms.

Radio Coverage

(Continued from page 7.)

developments. If that were the case, it would be a wise policy to deal somewhat ruthlessly with conditions as they are to-day.

Whatever way the problem is approached, it becomes more and more obvious that the commission deputed to find a solution has before it, as it knows, a problem beset with difficulties on all sides. It is assuring to know that the two experts on the coverage commission have behind them the massed experience of two huge continents in the Northern Hemisphere where very similar problems have already been attacked.

Short-wave Notes

The 24-hour Service.

Listeners are asking how the B.B.C. proposes to carry out its 24-hour programme service from the new Empire stations at Daventry. The solution of the problem will probably be found in the extensive use of the Blattnerphone recording apparatus, which will enable speeches of the day to be bottled for transmission at whatever hour is most suitable for the Empire. Similarly, outstanding musical concerts may be recorded, either by Blattnerphone or some other system, and radiated later.

Many foreign stations are experimenting in this direction. The method has proved very useful on a number of occasions. As, for instance, Berlin advertises a weekly relay from New York, and on some nights experienced great difficulty in "delivering the goods." Having found that afternoon transmissions were most favourably captured, the hour was changed, and a talk thus picked up on the short waves was retransmitted later in the course of the programme at the schedule hour.

Anniversary of WGY.

The tenth anniversary of the opening of WGY, Schenectady, New York, was celebrated on Saturday (February 20), when a short programme was broadcast by VK2ME, Sydney, picked up by W2XAF and rebroadcast by them as well as the parent station, WGY. The special broadcast was scheduled to commence at 12.30 a.m., Sunday (February 21), but Sydney was not being received well enough in New York, so it was delayed till nearly 1 a.m.; the relay concluded at 1 a.m. VK2ME, on 28.5 metres, was not up to their usual standard here. At one period during the test, 2XAF was coming in far better than the Sydney station.

N.Z. Shortwave Club Notes

THE following members have offered their services as club representatives in various districts:—Taranaki: Mr. Arthur Stevens, 75 Wilson St., Hawera. Southland: Mr. A. J. Dryden, The Curve, Colac Bay, Southland. Nelson: Mr. L. Redshaw, c/o Mr. Cull, Radio Dealer, Bridge St., Nelson. Auckland: Mr. L. Saunders, "Greenlynn," opp. Pasadena Buildings, Great North Road, Point Chevalier. These official representatives will be able to answer inquiries, and will collect and tabulate reports and data to send in.

The subscription to the club has been kept as low as possible, with the idea of enabling short-wavers in various parts to get together and hold meetings and lectures. In Wellington the members pay the annual sub. of 7/6, including 2/6 which pays rental of the Hall, etc.

I have received a number of letters from prospective members who are withholding from joining owing to the lateness of the season, our year ending on April 31, but an allowance is now being made so that, by sending 5/- membership will be for 12 months from date of receipt. Each member, on joining, receives a certificate and a list of stations, and has posted to him each month a circular of three or four pages of closely type-written news.

There appears to be a desire for co-operation between the various Radio Clubs in New Zealand, why not a Conference? There are different branches of radio, but all belong to the same tree.

We have a number of spare copies of the February circular which I will post to anyone interested in radio; if no letter is required in answer to questions, only one penny stamp will be necessary. My address is: A. B. McDonagh, Secretary N.Z. Short-wave Club, 4 Queen Street, Mount Victoria, Wellington.—Yours fraternally, Mac.

Christchurch Radio Society

Annual Meeting

THE annual meeting of the Christchurch Radio Society was held on Thursday evening, and the election of officers resulted in the following:—President, Mr. R. A. McLennan; vice-presidents, Messrs. Hurrell and Russell; secretary, Miss Herrick; assistant-secretary, Mr. Gerity; hon. treasurer, Mr. C. Rose; auditor, Mr. Bluett; trustee, Mr. H. P. Brown; publicity agent, Mr. P. O. Smith; librarian, Mr. Stone; assistant librarian, Mr. E. W. Watson. Four working committees were also appointed. The club was reported by the retiring treasurer to be in a healthy and perfectly financial state, in spite of hard times and the added expenses of the transmitter. Several tributes were paid to retiring officers—Mr. H. P. U. Brown, secretary; Mr. R. Stanton, hon. treasurer; Mr. Dukes (buffet); Mr. Hurrell (social), and many others. After further business, the meeting closed, and the committee mapped out their future responsibilities. Three members of the Dx Club were present—E. Watson, Christchurch secretary, also 56MC and 4TMC.

Trade Notes

PHILIPS LAMPS (N.Z.) LTD. advise that this new season's Radio Receivers, which will be coming to hand in a few weeks, will be British made.

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BRITISH wireless licenses continue to increase. The latest figures show that the number of wireless licenses in force on October 31, 1931, was about 4,101,000. That is: England, 3,682,000; Wales, 140,000; Scotland, 244,000; and Northern Ireland, 35,000. At the beginning of 1931 there were 3,411,910 licenses.

EQUIPMENT for the new 6WF Perth station is now being assembled in Melbourne, to be later shipped to West Australia. The chief engineer of the Postmaster-General's Department will superintend operations on what is promised to be one of the most efficient and highest powered stations in Australasia.

THE "Columbia Broadcasting System" stated that the "American School of the Air," commenced on November 9 the third season of school broadcasting. Lessons in history and geography will be broadcast from the Atlantic to the Pacific, and lectures will be given on music, poetical art, etc. Moreover, civil servants will give lectures about agriculture, export trade, etc.

"SKY waves," were shot 200 miles high against the surface of the upper atmosphere known as the Heaviside layer, then bounced down to Honolulu with the opening of trans-Pacific radio-telephone service between Dixon, California, and Hawaii. The receiving and sending divisions at each end of the system cost a total of approximately £150,000. The largest valve in the Dixon station has a capacity of 10,000 watts and is water-cooled. Water and air heated by the 10,000 volts necessary to operate the station are cooled by three fans, each three feet in diameter.

THE inauguration of the Scottish regional station at Westerglen will mark a new step in the organisation of the British radio on the basis of alternative programmes. Each district will be so arranged that listeners will be able to hear at will the National programme and local programme. The stations of London, Midlands (Derbyshire) and in the north are working at present and giving full satisfaction. Only the Scotch station and the Western station remain to be finished.

TURKEY apparently holds the record as regards wireless "pirates." for, according to the latest estimate, the pirates outnumber the license-holders by 300 per cent. Actually there are some 5000 persons holding Turkish licenses, but it is believed that the number enjoying radio programmes is in the neighbourhood of 20,000. The pirates' principal excuse seems to be that reception in Asia Minor is extraordinarily poor. According to a correspondent, "the Stamboul and Angora stations have carpets that dazzle the visitors much more than do their programmes."



WITH a wave of her hand Mlle. Josette Lava, the French Premier's daughter, floodlit the giant statue of Liberty by releasing from an aeroplane, via radio, a flashlight bomb which operated an "electric eye" held in the statue's hand. This, in turn, switched on the new floodlight system.

A HAPPY reversal of the now old device whereby the cries of a baby at the top of the house can be heard on a loudspeaker in the basement is reported from Greenwich, Conn., U.S.A. According to a correspondent, a canine enthusiast has been having trouble with his dogs barking in the night and wakening the neighbourhood; the kennels being some distance from the house, he has installed a microphone at his bedside and amplifiers and loudspeakers in the "dog houses." A gentle admonition from the bedroom becomes a crisp, commanding shout in the kennels and is quickly obeyed.

A NEW YORK daily recently published curious statistics contributed by one of its readers. According to this correspondent, between July 1, 1930, and March 31, 1931, a total of 663,065,445 musical notes had been transmitted through the microphone of WABC, New York, the key station of the Columbia broadcast system. In addition, the "mike" has also dealt with 13,096,200 words. Of these, roughly one-third had been emitted by politicians and clergymen, and represented a talk of 1889 hours at an average of 115 words per minute. It is not stated whether these statistics were put to any use or whether any doubting Thomas took the trouble to check them up!

THE German gramophone "war" has ended. It will be remembered that the gramophone manufacturers sent an ultimatum to the broadcasting authorities forbidding the use of gramophone records in the programmes after December 6. In an agreement just concluded the use of records is authorised on condition that gramophone concerts do not absorb more than two hours per day. Records may be freely used to illustrate talks, but the gramophone companies are determined that their records shall not be used for the compilation of "whole programmes."

A REMARKABLE fight on the issue of "free speech on the air" is being fought by the Rev. R. P. Shuler, of Los Angeles, whose station, KGEF, was recently suppressed by order of the U.S. Federal Radio Commission. The charge was that Mr. Shuler had used his station to "incite religious strife and antagonism," with the result that the transmissions were undesirable and obnoxious to the listening public. Shuler contends that the commission's action is a direct challenge to the right of free speech guaranteed by the constitution of the United States, and he is prepared, if necessary, to take the case to the Supreme Court.

Irish Concerts

commemorating
St. Patrick's Day,
will be broadcast from
all stations
on
Thursday, March 17

preme Court. Meanwhile, KGEF is silent, and its spirited owner, in order to collect funds to conduct his case, must perforce make his appeal from the pulpit.

BY means of the new visual type course indicator, aircraft nearing and leaving Croydon aerodrome on the Continental route will be automatically guided. The pilot has only to watch a dial with a black background, on which appear two vertical white lines. If the aircraft deviates to either side of the correct course the white line on that side of the dial increases in length and the white line on the other side decreases.

WIRELESS communication between important railway centres is to be set up in India, and the Government Railways Board has ordered four sets of shortwave apparatus already. These sets will cover long distances and are expected to be reliable alternatives to the normal channels—if telegraph lines are cut, for example.

TRANSMISSIONS from the German station at Berlin are being seriously heterodyned by the new 100-kilowatt station at Moscow, separated from it on the wave-band by only 8 kilocycles. No sooner has this station (Moscow-Stalin) closed down than the anguished Berlin engineers hear: "Hullo! Hullo! Here is the new Stalin station—we are making experiments." The German Foreign Office has been requested to ask that the Russian wavelength be changed,

but it seems scarcely likely that a station which is maintained especially to broadcast propaganda in French, German and Spanish will change its wavelength when it can so easily jam German national programmes off the air.

TOWARD the close of last year British radio manufacturers were viewing with alarm a concerted attempt by American interests to "corner" the radio market in England with second-grade receivers and components selling, in many cases, at but a fraction of the English counterparts. As an instance of this, it is reported that England's radio imports for last September were valued at £177,375, but for October they amounted to £347,631, nearly 100 per cent. increase. However, the situation was greatly relieved in November by the placing of an ad valorem tax on imported sets and components, including loudspeakers and telephone receivers and parts thereof, but not including valves, permanent magnets or batteries.

IN the annual report of the American Federal Radio Commission for 1931 General Charles Saltzman, the chairman, declares that the last year has seen almost a complete revolution in the type of equipment used. Complying with a technical order of the commission, all stations are now supposed to have equipment capable of better than 75 per cent. modulation. On June 30 last there were exactly 612 broadcasting stations in the United States. The report calls attention to the new set of rules and regulations which will be promulgated within the next few weeks. Among them will be relaxation of the present rigid requirements regarding the description of recorded programmes or "electrical transcriptions," though their character must still be made clear to the listening public. (All letters may now be announced at thirty-minute intervals instead of every quarter of an hour.)

IN the broadcasting building of the "Reichs Rundfunk Gesellschaft" in Berlin, a permanent exhibition will be instituted at which all modern devices for the elimination of radio interference will be exhibited. The manufacturers of electrical apparatus which is fitted with an anti-interference device have sent in a specimen of these products. In this manner the visitors will obtain a good impression of what has been achieved in this respect, and will be able to see for themselves what means are available for the elimination of interference.

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(Continued from page 11)

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Broadcasting and the Board.

WHILE discussing the above, D.X. 4 T takes the opportunity to cast some aspersions on one who has done a lot for radio and for our children, and who has done it well. After praising the children's session, or song session, your correspondent goes on to criticise with bad grace, and worse taste, the pronunciation of Uncle George, whose speech will compare favourably with 90 per cent of our clergymen, who are, as a whole, as good, or better, spoken than any class of clergymen in the World. I fear, however, that the children's session, which I myself enjoy, is too much for the intelligence of some critics to really appreciate. As, later, D.X. 4 T wants dinner music from 7 to 8, so seemingly one hour is not sufficient for him to get through his dinner, or is it because he does not finish with Dina, Daisy, or Beauty in time for the earlier session? To suggest that the news and lecture hour should be cut out, shows the measure of his understanding, as though it has not been what it once was. I hope it will again be an hour, interesting and important. The overseas programme, one night weekly, made a good change, and many of the items were excellent. Many recordings now given are very fine, but our local artists should not be overlooked, and we owe them every consideration.

I do not agree with a Russian abusing his own land, but lectures given by Dr. Scholefield, and several others, are interesting and instructive, and I trust will be continued. A lecturette on cooking at 10 on Monday morning, when most housewives are washing, is, however, a bit out of place, and the time might be filled in with jazz or fox-trots round the wash tub or the clothes line.

As for "Goodevening everybody." I can scarcely believe that the announcers have been ordered not to put in the "Everybody," or "All" as some say, and the seeming abruptness will soon disappear. The "Good-night" which seems to have pleased many at closing, was rarely heard by me, as Rosey, Nellie and Nancy require my attention at 5 a.m., and I am asleep before Mr. D. finishes, if not when he starts. The Board, who have a difficult task, have my best wishes, and I hope they will make as much a success of broadcasting as did the Company. I am, sir,—"Off to the Cows" (Okahukura).

Oh, For the Good Old Days

I BEG to voice my protest at the drastic changes taking place this year since the change to the Broadcasting Board. First of all, I ask your support to get the detailed programmes of the dinner music session published, as that has been the chief musical event of the day, because it is good, unadulterated music (I know the "Record" will publish same if the Board will give them the items).

Also, I appeal with many others for the Board to let the announcers carry on as before and give that very personal touch, which almost amounted to television, and get away from the stiff red-tape method of station announcements as at present.

While on the subject of broadcasting, I wish to make a suggestion for a change of the hour of 7 to 8 p.m. to something after the following lines. Let 1YA lecturette session be 7-7.30, then follow news; 2YA shipping news 7-7.30, 7.30-8 lecturette on alternate nights through the week, this could also be changed weekly as well. We get our "Radio Record" and would soon get into the changed conditions. These are slight changes but will make us get much more value from our sets, and appear to be the general trend of thought by many listeners.

I have been a paid listener since 1925 and have seen much improvement since then, but it seems that broadcasting came to its zenith in New Zealand in 1930, as, since then, it has failed badly. One consolation to us is that summer time is passing and now we can get on to the Australian programmes.

Thanking you for space, and in anticipation of support for a revival of the 1930 type of programme—"Werneth." New Plymouth.

Why Blame the Board?

HERE we are near the end of February and the programmes still rather muddled. Listeners on the whole are apathetic, sigh, and merely twist the dial when 2YA comes through. Everyone has a tilt at the Broadcasting Board, but are they really responsible. No; I think that the station director should shoulder a little blame. I seem to remember in the dim and distant past that 2YA's manager on his appointment was going to do something about "educating the public taste, even to opera." In January, with programmes already arranged before the board took over, we had a surfeit of Messrs. Cesaroni, Truda and other members of the musical heavy brigade. Monday night became silent night with us, quickly followed by the rest of the week. Even the dull and weighty strayed into Saturday's programmes, and then the dinner music. Well, I can't speak of the dead in this case. Who arranged those programmes? Do listeners think that Wednesday's programme of "selected recordings" (that cartoon in a Wellington paper makes one laugh when the above appears) is really much superior to the Yankee recordings of yore? Even Bros. Masey and Broken-shire, with their background of synthetic laughter, raised a smile occasionally. Now one drops a tear. Of the orchestras at 2YA, Mr. Dixon's musicians appeal to my family and myself much more than the thin, quavering sounds of the orchestra.

The 2YA-leans get the palm from us, likewise Mrs. Russell and Mr. Frank Crowther, and Messrs. Dan Foley and Doug. Stark. The Melodie Five are out on their own. When do we get a breakfast session, although one of those unfinished "what's its name's" would be a bad start for the day.

What is the board's Sunday policy? 2ZO, Palmerston North, has the best balanced of the Sunday programmes. Uncle George is a great favourite with our kiddies, and neither the wife nor I miss his children's Sunday evening song service.—"Armchair Critic" (Taihape).

Fare for the Litterateur.

FOR some time past I have read with considerable interest the letters from listeners appearing week by week in the "Record," and I have paid particular attention to those offering criticisms of the YA programmes. In many cases I have noticed a pronounced irritability and distinct lack of restraint, while for the most part there has been almost an entire absence of helpful, constructive criticism.

The reason for this so obvious irritability is not far to seek when it is remembered that the four YA stations broadcast something like 240 hours of music a week, to which must be added a further 480 hours (approx.) of music broadcast by the 37 B stations—a total of roughly 620 hours of music! Is it not plain that listeners must surely be suffering from acute musical indigestion with a nervous reaction closely approaching nervous prostration?

Now, sir, I suggest that the fare offered needs drastic revision. Music is not the only mental recreation that man needs; it is not the only avenue open to the board; nor is it the cheapest. There are seventy thousand listeners here in New Zealand, and I suggest that it is highly probable that most of them, besides liking music, have an interest in literature: biography, the classics, essays, belles lettres, fiction, history, oratory, poetry, drama, romance, science, theology, philosophy, travel, topography and juvenile.

Here then is an inexhaustible supply of worth-while matter right to the hand of the board—from which it could take a little of the best of each and put it over the air, not in the form of dry-as-dust lectures lasting half-an-hour, but in ten or 15-minute informal talks. At no time should any broadcast item exceed 15 minutes, for it should be remembered that with 75,000 listeners, that particular item may be distasteful to large numbers of them, and to carry on with it for more than ten or fifteen minutes is to encroach unfairly upon their rights, for it is certainly most unfair to ask them to listen-in for an extended period to an unacceptable item—with the only alternative of switching off, and thus depriving themselves of a service for which they have paid.—H. Moreton.

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