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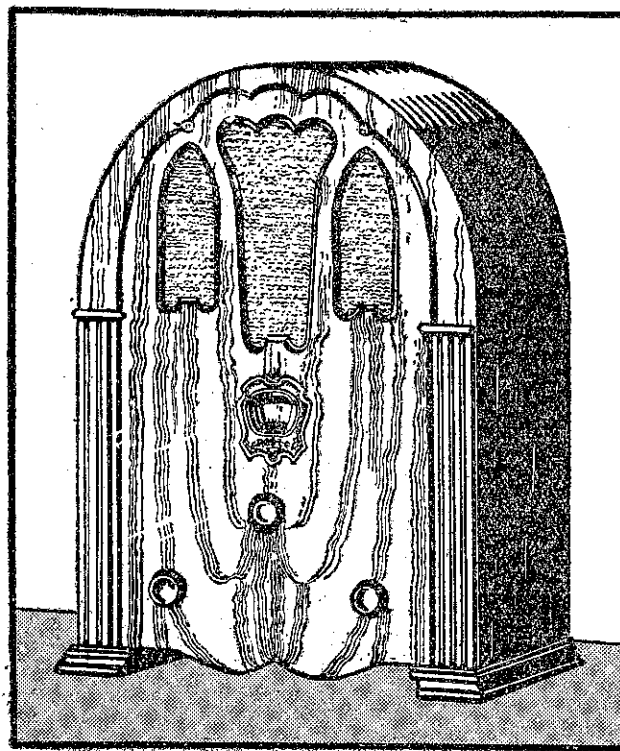
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The CARILLON and the PEOPLE

by Clifford Ball

[Master Carillonist]

— A Talk from 2YA —

BEFORE long the carillon will be part of the life of the citizens of Wellington. Its name will be on the tip of every tongue, and its pronunciation is sure to cause some controversy. I have only been in Wellington a few days, but I have been asked my opinion on a number of occasions as to how the word should be pronounced. It is, of course, essentially French, and in that language is pronounced "Careeyon."

As the Carillon, until fairly recent times, has always been characteristic of the Low Countries (Belgium and Holland), we have no equivalent in the English language. English people who have no knowledge of French naturally like some English method of pronouncing the adopted French word, as it does not come easily to them to say "Careeyon." I notice that quite a number of people say "Carrilion," which Anglicises the word in the same way as the French "pavillon" becomes pavilion.

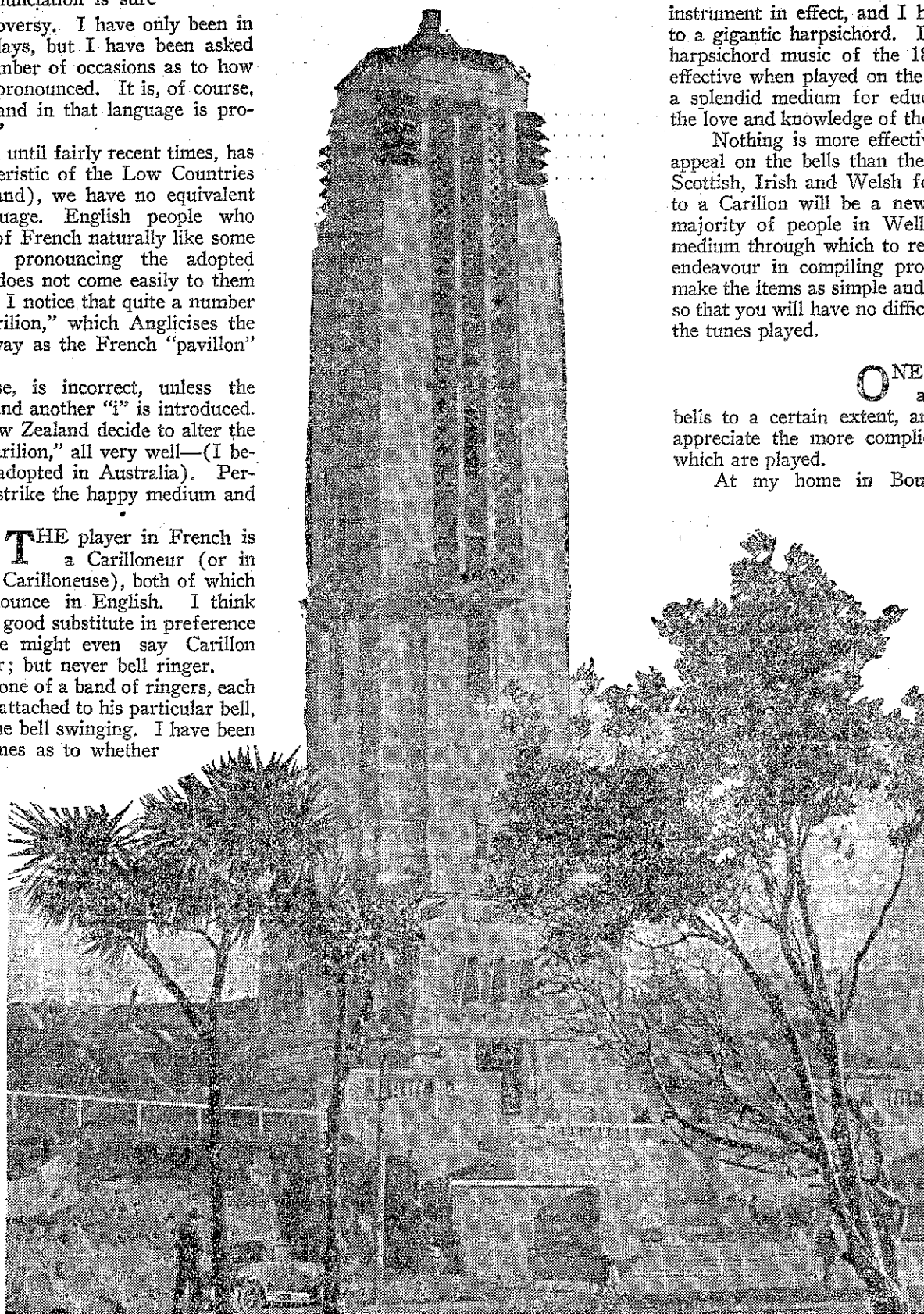
This, of course, is incorrect, unless the spelling is changed and another "i" is introduced. If the people of New Zealand decide to alter the spelling and use "Carilion," all very well—(I believe this has been adopted in Australia). Personally I prefer to strike the happy medium and say Carillon.

THE player in French is a Carillonneur (or in the case of a lady, a Carillonneuse), both of which are difficult to pronounce in English. I think Carillonist is quite a good substitute in preference to Carillionist. One might even say Carillon player or bell player; but never bell ringer.

A bell ringer is one of a band of ringers, each of whom has a rope attached to his particular bell, with which he sets the bell swinging. I have been questioned many times as to whether

I played the Carillon by means of ropes. On other occasions I have heard the uninitiated say that they thought I had a huge hammer in each hand and struck the

The campanile, New Zealand's memorial to those who did not return, rising loftily and dignified from Mount Cook. Peals from the 49 bells comprising the carillon were broadcast on Monday last.



bells themselves. One has only to see the size and disposition of the bells in the tower to realise that this would be a physical impossibility even to such an agile person as a Carillonneur. The Carillon is a comparatively delicate

instrument in effect, and I have often likened it to a gigantic harpsichord. In fact, much of the harpsichord music of the 18th Century is very effective when played on the Carillon. It is also a splendid medium for educating the people in the love and knowledge of the nation's folk music.

Nothing is more effective nor has a greater appeal on the bells than the traditional English, Scottish, Irish and Welsh folk songs. Listening to a Carillon will be a new experience to the majority of people in Wellington, and a fresh medium through which to receive music. I shall endeavour in compiling programmes at first to make the items as simple and as direct as possible, so that you will have no difficulty in distinguishing the tunes played.

ONE has to acquire the art of listening to bells to a certain extent, and in time one can appreciate the more complicated classical items which are played.

At my home in Bournville, B'ham, we

have a Carillon (not as large as yours), consisting of 42 bells, with the largest bell weighing 2 tons (yours is 5 tons). I give recitals there each Sunday evening during the summer months, and these are attended by large crowds, who congregate on the green and in the park nearby, where seats are provided. The tower containing the bells is situated in the village green of (Ctd. on p. 24.)

Each bell in the carillon, from the smallest treble bell to the great bourdon bell, weighing nearly five tons, is inscribed. The bourdon bell carries a frieze of fern leaves and flax as a N.Z. national emblem upon its shoulder.

—"Dominion" photo.

Song of Autumn.
I'm Only Making Believe.
Sweetheart, I'm Dreaming of You.
Marian Klange.
When Day is Done.
The Clock is Playing.
Count of Luxembourg.
Love in Idleness.
Another Night.
Little Butterflies.
Ballade in A Flat.
Dream a Little Dream of Me.
Goldregen.
The Bird Seller.
Soiree de Vienne.
La Poupée de Nuremberg.
Liebesleid.
Polo.
Under the Old Lime Tree.
The Prep Step.
First Love Waltz.
High School Cadets.
Marionettes' Wedding March.
Extase.
My Sweetener than Sweet.
Valse Poudree.
A Trumpet Voluntary.
Be Embraced ye Millions.
Kismet.
Suite Orientale.
Little Birds' Evening Song.
Spieluhr.
Orpheus in Hades.
Three O'clock in the Morning.
The Land of Smiles.
Gnomensreigen.
Morgenblätter.
Bells of Vineta.
Italian Concerto in F Major.
Poppies.
Danse Espagnole.
Oh, This Beautiful Springtime.
Hovirag.
Delirien Waltz.
Lotus Waltz.
If He Cared.
Liliputians' Wedding.
Valse Triste.
La Passion.
After the Ball.
Smitten.
Faust Waltz.
Who Has Filled Our Heart With Love?
The Broken Melody.
Birthday Serenade.
Flower Song.
The Shepherd's Serenade.
Waltz Intermezzo.
Madrigale (Simonetti)
Amoureuse Waltz
Dreams of Hawaii
Song of My Dreams
Summer is Here
Souvenir
O maiden, my Maiden
Voices of the Spring
Joy Bells
Polonaise No. 2 (Liszt)

LIST OF MUSICAL NUMBERS

for the

Music Lovers' Competition

Ninth Series

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

1YA Tuesday, May 3
2YA Wednesday, May 4
3YA Thursday, May 5
4YA Monday, May 9

Hedgeroses
Kasbek
Dark Eyes
Winter Storms
The Hobgoblin's Story
Invocation
Body and Soul
Jolly Robbers' Overture
Rose in the Bud
Au Eastern Wedding
Cinderella's Bridal Procession
Puttin' on the Ritz
White Acacia
Polish Dance
Tiptoe Through the Tulips
Gypsy Love
The Dervishes' Dance
With You
Lettre a Armand
Les Millions d'Arlequin
You and You Waltz
My Teddy Bear
Until Love Comes Along
A Concert in the Forest
Bells Across the Meadows
Pardon, My Lady
Italiana in Algeria
Keepin' Myself for You
Hungarian Dance No. 5
Entry of the Gladiators
Playera
In a Little Cafe
Talkative
Si Oiseau J'Etais
Mairfair in the Country
Scene de Ballet Marionettes
Danse Creole
One Kiss
Cajolery
Dancing the Devil Away
Moonbeam Dance
Polly
Drink Brother, Drink
Japanese Lantern Dance
Dorothy
Les Patineurs
The King's Horses
Miniature Overture (Nutcracker Suite)
Oh, Miss Greta
Estrellita
You Will Come Back to Me
Brownies' Parade
High Society Blues
Rhapsody in Blue
The Faithful Hussar
Pa Des Echarpes
Promises
La Dame Blanche
La Campanella
From the Canoebrake
Woodland Joys
Siciliano
Until Love Comes Along
Hearts and Diamonds
Berceuse Arabe
In a Monastery Garden

Fairy Doll Waltz
Sizilietta
Thank You, Father
The Merry Peasant
It Happened in Monterey
Valse Arabesque
Sunshine of Spain
Adoration
Within
The Desert Caravan
The Costume Ball
The Herd Girl's Dream
Fascination
Fairy Doll Waltz
Singin' in the Rain
In the Moonlight
Wedding Serenade
Rubenola
The Clock and the Dresden Figures
Nola
Praeludium
The Golliwog's Cake Walk
The Spider
Wouldn't it be Wonderful
Spring Time
Elli Elli
Frasquita
Last Night's Wonderful Waltz
Moment Musical
Gopak
Storm Galop
After Thinking it Over
Chingolito
Valse Mazanetta
Mama
When My Dreams Come True
Kaiser Waltz
Tonerana
Florella
The Old Folks at Home
On a Sunday Morning.
Murmure du Bal
Always in My Heart
Satisfied
I Love to Hear You Singing
Nell Gwynn Dance No. 3
Sleeping Beauty's Bridal Trip
Rondo Alla Turca
Hearts and Flowers
Ruy Blas Overture
Japanese Lantern Dance
Thunder and Lightning
La Gitana
What a Day
Fairy Tale
Song of the Volga Boatmen
Chinese Street Serenade
Avant de Mourir
If I Had My Way
In the Hush of the Night
Indian Love Call
Woodland Peace
The Czarewitsch

If I'm Dreaming
Where Are You, Dream Girl?
Zapatado
Moonlight on the Alster
Song of Love
A Hunting Medley
Drifting and Dreaming
Obertass
Schatz Waltz
Feldblumen
Revolutionary Rhythman
True Blue Lou
Lazy Louisiana Moon
I Love You
Dreaming Flowers
Passepied
Though You've Forgotten
A Kiss in the Dark
Hello, Margot
Lovable and Sweet
Sevilla
Every Now and Then
Somewhere a Voice is Calling
Mon Reve
Merry Vienna
My Love Parade
My Dream Memory
Arabesque No. 2
Mexicali Rose
The Juggler
Pastoral Dance
Traumdeale
Madelon—Dream Waltz
Dream Lover
Little by Little
Valse Inspiration
Naughty Eyes
1812 Overture
Marche Slav
Viennese Life
Speak Not of Love Eternal
Havana
Pretending
La Cinquantaine
Marianne
The Gladiator's Farewell
In a Country Lane
The Tea House of a Hundred Steps
Aileen
Jack and Jill
Song of the Sands
Merrymakers' Dance
Just You, Just Me
Bagatelle in D
I'm in Love With You

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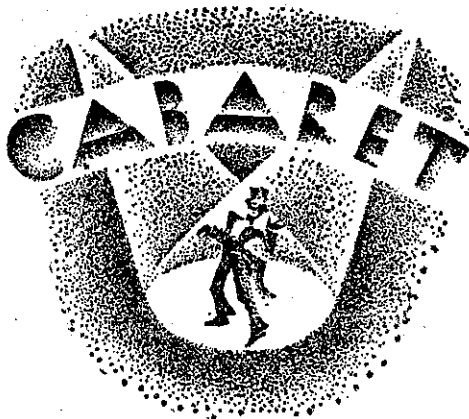
NO MORE COUGHS—
TAKE

Pulmonals

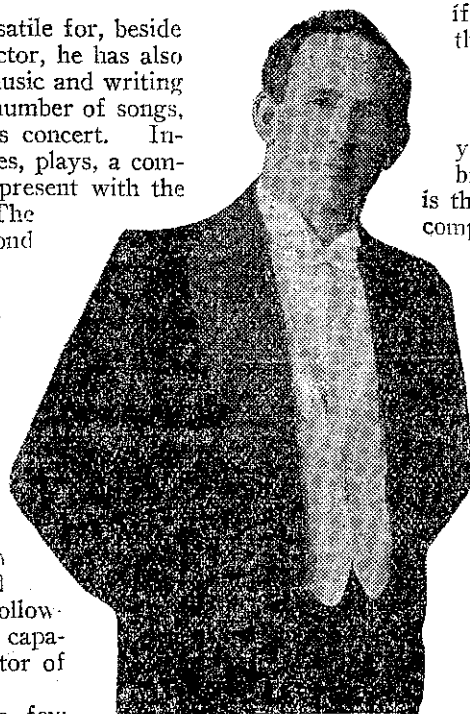
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the wonderful P.M.
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life — more power —
greater volume.



Next Thursday, April 27, an original entertainment which should have a wide appeal will be presented from 2YA by Edwin Dennis and Company. It is entitled "Cabaret Musicale," and depicts an evening with a cabaret party. The continuity, which is bright and generously seasoned with clever quips, was written by Mr. Dennis around the varied selection of songs, both solos and concerted, which complete the cabaret atmosphere.



Edwin Dennis.

EDWIN DENNIS has been associated with the stage since he was six, when he made his first public performance by singing a solo at a church anniversary concert in Melbourne. Since then he has had a very extensive experience, singing and acting in grand opera, musical comedies, revues, concert parties and pantomimes. He has also conducted orchestras, dance bands, choral societies, and operatic productions, and has produced over twenty different works.

For five years prior to the war he studied singing in New Zealand. During the war, when on leave from the front, he was associated at Sling Camp with Stanley Mackay in the production of several pantomimes and in the organisation of concert parties. Readers may remember that Stanley Mackay has since the war toured New Zealand several times with various companies. Later Mr. Dennis was in charge of the Codford Concert Party, and in this capacity gained a wide experience in conducting, producing and solo work.

Following demobilisation, Mr. Dennis studied for several years at the Royal College of Music in London, and gained an Associate Diploma—one of the highest qualifications a vocalist can obtain. While at this college he studied under such famous musicians as the late Alberto Visetti and F. A. Sewell. The latter was the accompanist at the Royal Albert Hall for 25 years. During the next few years he toured England, fulfilling various engagements with different companies. He was in the original cast of "The Maid of the Mountains." In London he has appeared in various concerts at those famous music-halls—Queen's, Central and Palladium.

Mr. Dennis is certainly nothing if not versatile for, beside his high qualifications as a vocalist and conductor, he has also tried his hand very extensively at composing music and writing sketches, plays and books. He has written a number of songs, several of which will be broadcast during his concert. Included in his writings are several short sketches, plays, a complete musical comedy, and a book which is at present with the publishers. One of his short sketches, "The Burglar," will be broadcast during the second portion of the programme.

In his wanderings as a professional musician, Mr. Dennis has had many interesting experiences. We shall ask him to relate them himself:—

Perhaps the most unusual experience I had took place while I was with a touring Pierrot Company, which I joined at Southampton. When in that city, just after the Armistice, I noticed an advertisement to the effect that the winner of a competition organised by a Pierrot Company would be given a four months' engagement. I entered and managed to secure first place. During the following season I appeared in no fewer than three capacities—that of vocalist, comedian, and conductor of the orchestra.

It happened in this way. One night, a few minutes before the opening overture, the conductor's

wife came round with the disconcerting news that her husband had been taken seriously ill. The manager was in a terrible state. "I would give a thousand pounds for a good conductor," he groaned. "It's mine," I broke in, and within three minutes I was in front of the orchestra, and there I stayed for three weeks until the conductor returned. As a result of this I later received an appointment in Blackpool in the same capacity, but not my thousand pounds!

Later in the season the comedian fell ill, and once again I was called upon to fill the gap. I had the assistance of a red nose, in which was planted a diamond, but I knew my tap-dancing was too weak to put over, so with the assistance of the musical director and the drummer I worked out an effective gagging stunt so that when I broke badly I blamed the orchestra. In this way we completed the season.

This little occurrence made me thankful I had included conducting in my course of music at the Royal College. I studied under the late Sir Frederick Cowen, and I well remember one occasion when I was very neatly reproved by him. He was watching me conduct a selection from "Il Pagliacci" and when we came to a point where the clarinet takes up the melody this instrumentalist did not respond. I asked him why he didn't, but before he could answer Sir Frederick broke in with, "Why didn't you give him the cue to come in? Any fool can wag a stick. It takes a conductor to give instrumentalists their correct cue." I didn't make that mistake again.

Because of my long association with the stage I am often asked if I miss a flesh-and-blood audience when I appear before the microphone. Well, yes and no.

ON the stage it is wonderful to feel an audience come up to you, as it were, if your work is good. This you miss in broadcasting, but the thing that has always helped me greatly is the advice given me by a London teacher. "When the accompaniment opens," he said, "sing mentally until you commence vocally, and you will never fail to get the correct atmosphere with your audience." By taking the same idea into the studio, you immediately visualise your audience and play up to them.

I have one quarrel with broadcasting, however, and that is this: You cannot hear your own efforts as listeners hear them, and you feel that if you could they could be improved. I say this because often I hear people I know personally performing over the air—people who have quite good voices, but who, because of some particular quality in their singing do not broadcast at all well. The microphone is not equally kind to everyone.

And so some day I hope broadcasting stations will each have some kind of recording device so that artists can listen to their own voices.

Editorial Notes

Wellington, Friday, April 29, 1932

THE fact that the licenses of "B" class stations have been extended, not for twelve months, but only to the end of June, indicates that the field is being left clear for the Broadcasting Board to determine its plans for the future development of the broadcasting service in the Dominion. As is well known, the Coverage Commission is at work securing data from all districts regarding reception and coverage. The report of that Commission will necessarily largely determine events, for the Commission is required to make recommendations for the progressive development of the service in the future. It will then be for the Board to determine how far it will adopt those recommendations and the rate at which it will develop them.

IN the meantime the future of the "B" class stations is uncertain. It will be remembered that applications were made to the Board on behalf of certain interests for a subsidy. That question was deferred pending fuller inquiry into the question of coverage. The short-term license now given "B" class stations indicates that the whole matter is in the melting-pot. The "B" class stations divide into two main classes: First, those which seek a certain amount of revenue from sponsored programmes; and, secondly, those which do not care greatly whether they receive revenue from that source or not. It is an open secret that, since the application for subsidy from the Board was deferred, certain "B" stations have actively developed the sponsored programme as a feature of their business. This, it is understood, has led to certain pressure from interested quarters, and, it is believed, warning not to overstep the mark. This seems to be a case where over-development might have far-reaching consequences. Those "B" stations which do not concern themselves much with sponsored programmes are mainly situate in country districts.

UNTIL the Coverage Commission summarises its information and presents its considered recommendations, it is impossible to assess the bearing of its proposals upon the future of the broadcasting service. All that can really be stated now is that the "B" station system, as it has been allowed to develop, is entitled to a certain amount of consideration in respect of the service it has given. A definite volume of gratitude is, we believe, felt by many listeners for the service of certain "B" stations. These services have covered two main fields. In the cities, services alternative to those provided by the main YA stations have been given with a considerable degree of acceptability to city listeners. In the country districts, local stations in many instances have helped their areas by providing radio where reception of the main stations was not good. To those enthusiasts the gratitude of both listeners and the trade is due.

IN view of the economic difficulties of the times and the necessity for concentrating the funds of listeners upon the progressive development of the main stations, we would not be at all surprised to find the Board's decision to be that it is unable to subsidise any "B" stations. If the Board finds that it is able to extend some subsidies, so much the better; but, looking at the question all round and having regard to the financial obligations of the Board, we can envisage the possibility that the Board will feel its duty to be concentration and not diffusion.

IN the event of no subsidy at all being available, decision will still have to be reached upon the terms on which the "B" stations will be allowed to continue operations. Some of the existing stations—exceeding thirty in number—may be deemed to be superfluous in relation to the Board's scheme. It may, however, we think, be assumed that none will be definitely closed down without

effort being made to at least maintain the existing standard of service. The whole question is a knotty one, to the final decision upon which many factors will contribute. Until the essential evidence is available, the problems arising can only be mentioned. We feel, however, that we will be expressing the view of many listeners in saying that, so far as it is possible in line with finance and developmental plans, sympathetic consideration to the claims of the "B" stations will be welcomed by their public. Just how big their public is is a matter upon which the questionnaire now nearing completion is likely to throw an illuminating beam. Analysis of

A Concert by
The Aeolian Orchestra
And assisting artists will be relayed from the
Lewis Eady Hall
By 1YA, on May 5.

the questionnaire, with its indications of the popularity of various stations and the districts served, will prove a useful supplement to the report of the Coverage Commission.

American Broadcasting System

Proposed Government Control

THE American Senate has passed a resolution directing the Federal Radio Commission to inquire into the broadcasting situation, with particular emphasis on the feasibility of Government ownership and operation.

Far from being perturbed over this resolution, the National Association of Broadcasters has stated that it welcomes "any fair and impartial investigation as an opportunity to demonstrate that the American plan of competitive broadcasting, in the hands of private industry, is immeasurably superior to the system prevalent in Europe."

Senator Couzens, who introduced the resolution, said:—

"I am convinced that the whole radio industry is being irreparably damaged by the amount of time given to advertising on the radio, and if the industry is to continue to meet popular opinion either advertising must be discontinued entirely or limited to a single statement concerning sponsorship of the programme. Senator Couzens added that he was not committed to any particular scheme, but desired a guide when the matter comes up in Congress, which is highly improbable in this session because of the approaching Presidential campaign and the press of other major problems.

Longwave Broadcasting

Possible Solution to Difficulties

THE investigations of the Coverage Commission set up by the Broadcasting Board will, according to the chief engineer of Philips Lamps (N.Z.) Ltd., doubtless include a survey of the possibilities of 1500 or 2000-metre broadcasting as a solution to New Zealand's national coverage problem.

The failure of 2YA to give the service expected of it, in certain areas, is well known.

There has recently been a revival of technical interest in broadcasting on wave-lengths around 1500 metres. Broadly speaking, the aerial energy of a transmitting station produces pressure waves which travel to the reception point by two different routes—one following approximately the contour of the land, and known as "the ground wave, while the other is launched into space at an angle above the horizontal plane, and only reappears on the earth's surface again due to reflection and refraction from the Heaviside layer.

The ground wave provides the useful energy in localities near the transmitter, while the space wave becomes of the major importance in very long-distance reception. At certain distances, and under certain conditions, ground wave and space wave interfere with one another badly and cause severe fading and distortion.

The space wave coming by the devious route is more subject to disturbances and distortion; it is only because of its usefulness at comparatively great distances that it is tolerated. It is impossible to secure consistent first-class reception when relying on the space wave.

The area covered by the ground wave of station is more a function of wave-length than of power, and there is more or less definite mileage limit (for a given wave-length), which increases of power will not appreciably extend.

It so happens that the possible effective ground wave radius is considerably greater for a 2000-metre wave than for, say, a 400-metre wave, so that by adopting a long wave-length it is possible to bring a greater number of listeners within the zone of assured reception free from the distractions of fading and distortion. In general, it may be said that 200-600-metre wave-lengths have greater claims for reception at extreme distances, particularly at night time, while 1500-metre waves give more consistent and reliable reception at moderate distances—reception under daylight conditions is also considerably improved.

It is in these respects that long-wave broadcasting is now engaging the attention of radio engineers in various parts of the world.

WGY, the famous station of the General Electric Company at Schenectady, N.Y., celebrated its tenth birthday on February 20 last. The station has been notable as a pioneer in broadcasting technique. For example, it was the first to use crystal frequency control, the first to use a condenser microphone, and the first to use a power so high as 50 kilowatts. Recently, in special tests, 200 kilowatts was used.

New Zealand's Tribute to Anzac

Broadcast of Carillon Dedication



ANZAC DAY and all it signifies is past. In the main centres thousands congregated to do homage to the fallen; in the smaller towns the churches did their part in recalling the significance of the day, but for those in outback, where the surging crowds are not known and the township church is too distant, radio carried the message. To the homes less remote, where attendance to the ceremonies was not possible or convenient radio filled the gap and brought home the fact that this was no ordinary day.

All the YA stations were on the air to broadcast the services in their respective cities. In Wellington, the centre of interest was the dedication of the carillon, timed to commence at 2.15 p.m. The station, however, was on the air in the morning broadcasting the short but beautiful service at the Cenotaph, which was the scene of a somewhat similar service at its dedication eight days before. The broadcast in the morning was all that could be desired. Conditions were good and the speakers came over perfectly; the atmosphere of the solemn service was caught by the microphone and carried into thousands of homes.

The broadcasting in the afternoon was similarly successful. The speakers were lucid and had no difficulty in holding the interest of their vast audiences. They spoke of the campanile, the carillon, and what it stands for—henceforth the noble edifice that graces the city will have a real significance. Particularly impressive was the moment when the Governor-General turned on the light "that is destined to burn for ever." When darkness fell Wellingtonians realised that what had been an idea for years was now an accomplishment.

A short pause, then the beautiful strains of the trumpets in unison playing the "Last Post" came over the radio. The great moment was near at hand, and in a few minutes the long-awaited carillon was to peal. A short address by the Prime Minister—then his Excellency pressed the button that inaugurated the carillon and the bells pealed forth the strains of the National Anthem.

Those within the range of the bells will never forget the strange beauty of the music as they heard it for the first time. As was only to be expected, it was impossible for those around the campanile to enjoy its full beauty. One had to be at a distance. Perhaps one of the best points in the city was Mount Victoria, which is about a mile to the north-east. The heights were lined with motors, and the pealing melodies came up with all their majesty and fullness.

As was only to be expected, the broadcast, though good, fell far short of the actual thing. The music of the bells is far from simple. Overtones interweave to form the melody that is typically that of the bell, but the microphone is limited and unable to transmit fully this complex music. Then, again, the

melody is not formed until the sound has travelled some distance, and by this time the microphone would have difficulty in picking it up. Incidentally, the microphone used in the afternoon and evening broadcasts was situated in an upper window of the Mount Cook School, which is across the street from the campanile. A reflector was placed behind it to pick up and concentrate as much sound as possible.

Nevertheless, the board's engineers did well, and it must be admitted that any failure of the radio to bring the full beauty of the bells to listeners was not in any way due to the fault of the engineers.

Prior to the broadcast, Mr. Drummond, the 2YA announcer, briefly sketched an outline of the afternoon's proceedings, and presented a very neat account of the bells themselves. Had this idea been worked out more fully and the announcer been situated at a vantage point on Mount Cook, listeners might, perhaps, have been better able to visualise the sight that only Wellingtonians will remember.

Long before 2 p.m. the city was thronged with citizens making their way toward the campanile. A constant stream of cars filled every street leading in that direction, and at an early hour each side of every street within half a mile was lined with cars. The summit of Mount Victoria and other prominences were likewise lined at an early hour. Thousands blocked all the roads in the vicinity, and shortly after the commencement of the service the site of the Memorial Art Gallery and Museum to the rear of the campanile and the clearing round the memorial itself were densely packed with people.

The voices of the speakers were carried to this vast audience by means of loudspeakers mounted halfway up the campanile. Unfortunately portions of the speeches were lost owing to some defect causing garbled reproduction, but this was only spasmodic.

The response of this great crowd to the bells was immediate. When the first chords of the National Anthem pealed out a suppressed murmur arose, to be lost a few seconds later in silent

admiration. When the last reverberation died away there was for a moment complete silence. No one seemed to know quite what to do. After a moment or two a few applauded—probably one of the very few occasions when that particular anthem has been applauded—then a subdued babel of voices announced the fact that Wellingtonians had experienced their first thrill of pride for their very beautiful carillon.

Without announcement, that very beautiful hymn, "Oh, God, our Help in Ages Past," pealed out, and in a few seconds was accompanied by thousands of voices. At a distance the effect of this unusual blend was very beautiful indeed.

By this time the crowd on Mount Cook began to move away, and before the next selection, "Land of Hope and Glory," was finished, the traffic had begun to move. The Memorial had been dedicated.

At three minutes to four the Benediction brought the broadcast to a close.

Plebiscite Questionnaire

Closing Date Extended.

FROM remarks that we have heard from time to time, a great many listeners have not bothered to complete and return the plebiscite questionnaire, evidently believing that enough would be received by the Board to fulfil the purpose for which the plebiscite is being taken.

These listeners overlook the fact, however, that the more replies are received by the Board the better will the Board be able to form an opinion as to the desires of listeners in respect to the service, and all listeners are urged to complete the questionnaire as fully as possible and return without delay.

As the result of representations made to the Board, the closing date of the plebiscite has been extended to May 31.

Radio for the Government

THERE are indications in Britain that the agency of broadcasting will be used more and more for Government announcements, and for the dissemination of views of the party leaders. In the latter respect the B.B.C. recognises that it is on delicate ground, and therefore needs to observe the strictest impartiality, as it is very closely watched by the jealous eyes of politicians of all shades. It is felt, however, that the development of Empire broadcasting comes opportunely when momentous political events are taking place throughout the Empire.



The Light that is Destined to Burn For Ever.

His Excellency the Governor-General, Lord Bledisloe, turning on the switch which lit the perpetual memorial lantern on the National War Memorial

—"Dominion" photo.

STATIC

by
"SPARK"

IT is to be hoped that the New Zealand pronunciation of "carillon" will be kept English, as suggested (2YA) by Mr. Clifford Ball, the Bournville carillonneur, who has been kindly loaned to us for the opening function of our memorial. Although French in origin, what sensible reason can there be for us to impose a foreign accent on an accepted old English pronunciation? Apparently Australia has inserted a surplus "i" to Frenchify the word. Why can only be explained by some affected person being allowed too much say in the matter. I understand that the B.B.C. has adopted a mongrel pronunciation, but it must be remembered that the compilers of their pronouncing lexicon were not all English, and one is not noted for his patriotism either.

THE modern spirit as exemplified by writers—and readers—is not an everlasting rebellion against our parents' nineteenth century ideas according to Mr. von Zedlitz (2YA). This being an age when certainty has taken the place of uncertainty, repercussions were bound to follow. Old institutions have been turned inside out and upside down to see if the superficial represents the substance, and writers like Samuel Butler and George Bernard Shaw have shocked us into discarding face values. The modern writer, well informed, saturated with cosmopolitan literature, although not erudite, is able to write to a public that was not known fifty years ago, and fidelity of interpretation is the keynote of expression. The new psychology, the speaker contended, was somewhat hypocritical and ephemeral, suited to a feverish world. Mr. von Zedlitz's half hours are things of beauty and will not pass into nothingness.

FOR marathon singing tune in to some Japanese station. The other night I listened to a woman singing one song with a samisen accompaniment for over half an hour. Two hours later she was still at it. I cannot vouch that she had had no interval, but I would not be surprised. I have often seen and heard in Japan, a girl in a cage at the top of five stories, with three feet of snow on the ground, singing her tainted love song from dark until dawn. It might have been a relay that I heard.

THE concluding talk on "Cosmic Radiation" by Dr. D. B. McLeod from 3YA was again illuminating and given in a manner suitable for the lay reader. A happy thought of the speaker's was to take the vibrations

of the station aerial as a basis for comparisons, which made billions almost conceivable to our limited intellect. The illimitable figures in this branch of physical research suggests the necessity of a new method of computation, as done for stellar distances.

HOW to listen to the Carillon was a timely talk given from 2YA by Miss Gladys Watkins, the official carillonneur. It is probable that it will be better to hear the instrument by wireless than direct somewhere near the campanile, as the microphone will be placed in a position where no intervening building can create sound shadows, and where overtones will be kept in proper proportion. Miss Watkins's explanation of the conditions which often detract



Miss A. V. Lambourne,

whose fine mezzo-soprano voice makes her a valuable acquisition to the ranks of 2YA vocalists.

—S. P. Andrew, photo.

from the pleasure to be derived from this type of musical instrument was simple and would be appreciated.

A FEATURE of the Melbourne Radio Exhibition, just concluded, was a music lovers' competition similar to our own, but participated in by the visitors to the show. In this case the whole record was played as people moving about did not allow of the concentration that our contest does.

THE late news session from K.F.I. lately has been mostly the Lindbergh baby and the Honolulu trial, but on Thursday a Russian item was interesting. A little boy in Moscow, hearing for the first time that the natives of Central Africa wore one garment only, said "They must have had Communism before us." He was right, too!

WHILE listening to a vociferous singer during the week, a singing competition in a Kentish village was brought to mind. Two of the locals, both rather simple, but with beautiful natural voices, were given a leg of mutton supper at the Pig and Whistle so that their qualifications could be tested. Points were given for all kinds of things, and five were given for long distance. The judges for the DX, that is all the supperites, retired to the bar whilst our songsters disturbed the sleeping crows as they wended their way, singing louder and louder, across the meadows. The one I heard during the week would have beaten either by about five paddocks.

IT is not generally known that one of the earliest experimenters in wireless communication was Mr. G. W. Selby, of Melbourne. Thirty-six years ago this gentleman was making quite elaborate mechanism for transmitting signals, and although his work was not understood in Melbourne, Sir Oliver Lodge acknowledged his experiments and encouraged his enthusiasm. The naval authorities in Victoria, before the founding of the Commonwealth, began to support Mr. Selby, although no practical assistance could be given.

IN his talk on Argentina (1YA), Captain F. H. Billington was delightful, and his fear that it may not have been chatty, warranted no telephone calls to the studio, I am sure. The silvery implication conveyed in the names Argentina and La Plata, it was explained, was the result of an unsuccessful voyage by John Cabot and his dissembling in making a report to the Queen, that he was on the verge of discovering great silver deposits. Captain Billington dealt with the cosmopolitan make-up of the country, but through fading I was not able to hear whether he told of the many frauds by European agents who induced Swiss and German families to take out implements and cattle to occupy non-existent farms. The individuals were certainly losers, but Argentina gained some wonderful citizens. Mention

of British occupancy would surprise many hearers, and I would believe that Captain Billington in his innermost heart thinks that the country that he admires so much was the loser when our forces were withdrawn for other occasions. I shall be on 1YA on Tuesday, May 3, to hear the conclusion of Argentina.

2ZW'S Shandygaff on Tuesday night shows what can be done. Oil and national favourites, with a lashing of humour, was quite palatable.

MENTION by Dr. Guy H. Scholefield (2YA) that the Krauger Toll Corporation had advanced twenty-seven millions sterling to France in return for the match monopoly, will convince all with memories of the fusee, that however fraudulent the corporation became ultimately, it had justified its existence if it introduced a decent match to France.

THOSE who heard the first talk on "What I saw in Soviet Russia," by Dr. Fisher, Director of the Otago Workers' Educational Association (4YA), will be keen to hear the remainder of the series. As an unknown visitor from practically unknown New Zealand, Dr. Fisher, who stated that he was in no way shepherded, will probably be able to give us a truer picture of the country and its institutions than G. B. Shaw, whose impressions were recently cabled to us.

THE speaker's reference to the Trans-Siberian railway reminds me that this train was at one time the finest in the world, and at an early period of its history, the cheapest. I know one person whose actual fare, excluding food, from the German border to Shanghai, was less than eight shillings, but the bribes were fairly numerous and heavy. As a railway service cannot be run by the absolute amateur, there should be no reason why this train should not still be one of the best. Reference to the fact that British news is liable to be tainted at the source, is understandable, when we are told that the correspondents live in the border towns, like Riga and Helsingfors, where fear of a powerful neighbour must colour all reports. Dr. Fisher found in Moscow that politics were not the whole of social life, and remarked upon the apparent willingness of the people to sacrifice present day comfort for the promise of a fuller life that was offered by an ardent prosecution of the "Plan."

(Continued on page 23.)

How to Listen to the CARILLON

by

GLADYS WATKINS

[A 2YA Broadcast]

BEFORE I can enlarge on the title of this talk—"How to Listen to the Carillon"—I must lead up to the subject by introducing other points which have a direct bearing on the one I have chosen as a title.

The music of bells is utterly unlike any other, for a bell has characteristics unique among other musical instruments.

To-night you will not be asked to listen to the long story of their beginning and development, though that is teeming with interest, historic, tragic, romantic and poetic. Of tragic historic interest was the dreadful ringing of the Bell of St. Bartholomew's in Paris, which signalled a massacre unparalleled in its ferocity.

In later days was the stirring call to arms—the Germans were invading Belgium, and that great master carillonist, Jef. Denyn, played the carillon of St. Rombant's in Malines, calling to arms the sons of Belgium with a patriotic fervour which set their hearts on fire. Then there is the famous poem which we all recited with so much enthusiasm—"Curfew shall not ring to-night!" The poem which thrilled our schoolgirl and schoolboy hearts!

Until the end of the 15th Century, bells were used attached to the city clocks to indicate time; then in the 16th Century a clavier and pedals were introduced which made it possible for the bells to be played by human agency, and quite independently of the clocks.

The clavier is set in a wooden frame and consists of 2 rows of rounded wooden levers played by the hands and a row of flat levers (rather larger), which are used by the feet for the feet are needed to bring the heavier bells into play. These foot and hand levers are attached by a system of wires, springs, etc., to the clappers of the bells. The bells, which in their turn are fixed into a steel frame in rows, do not swing, but are stationary.

The clappers are drawn down by a separate system to within about 2 inches of the lip of the bell, and strike the bell from that distance.

Now, you can understand that, because the clapper has a journey of only 2 inches, the full resonance of the bell is not used, and the player can only use the momentum gathered during that short journey of 2 inches for his biggest tones.

This is an important point for the listeners to remember. They are not going to hear the full power of the bell. If it were possible to

Miss Gladys Watkins is a well-known Wellington teacher of piano-forte. About four years ago she went home to England to further her studies in that art, and, while there, conceived the idea of studying carillon playing. With this in view she undertook a course of study in Malines, Belgium, and, at the end of this term, she was recommended by the Director for a further course of study. At the end of a year she gained the diploma. On her return to London she gave regular recitals on the Wellington Carillon, then temporarily housed in Hyde Park.



Gladys Watkins.
—Douglas photograph.

use all the tone a bell is capable of, we might be able to hear our Carillon out in Cook Strait, or on the summits of the Rimutakas!

Now, for something about a bell. A bell is cast to a certain note. It is called the "strike note." When that note is sounded there are set vibrating other notes (of course much fainter, but plainly audible); these over-

tones or harmonics are the octave below the strike note, the octave above, and the 3rd and 5th above. These four bell harmonics must be in tune with one another, and with the "strike note," and the "strike note," of course, in tune with the other notes in the chromatic scale.

One of the points of difference between a "Carillon" and a "Chime" is that in the case of the former the scale is arranged in semi-tones—twelve sounds in the octave—(our own Carillon has four complete octaves, making 49 bells). In the case of a "Chime," it is built on the diatonic scale, consisting of tones and semi-tones. Now, here comes another point it is necessary to stress on the minds of listeners. When the bells are played on April 25, of terrible and glorious memories, you are going to hear music absolutely new to your experience. You will hear harmonised melodies, and around those melodies will float a mist of sound formed by those harmonics which I have just mentioned, and which veil the melody from beginning to end.

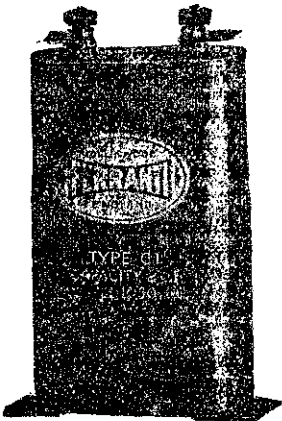
AT first the ear is bewildered by that apparent confusion, but after a little one becomes prepared for and actually to enjoy that very thing which makes bell-music so appealing, and so haunting in its beauty.

There have been some experiments when the bells have been "damped." A somewhat similar process to that of the "soft" pedal of a piano—which damps or checks some of the vibrations of the string. These experiments have proved that most of the beauty of bell-music is lost when the "harmonics" are killed by such damping.

The Carillon is capable of much expression and many moods in the hands of an expert and temperamental player. The action, from wooden lever to the clapper, is so finely adjusted that he has command over a wide range of colour or "nuance" as the more sensitive French word expresses it.

The technique to be achieved is something to marvel at, for the player can build up massive chords, (Continued on page 13.)

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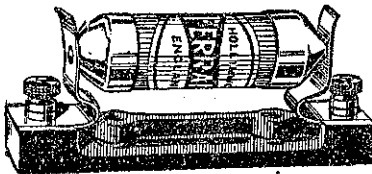


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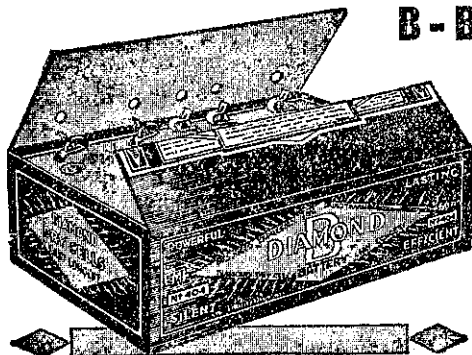


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Morse On 2YA.

IN your issue of 22nd instant a correspondent, "Disgusted 2YA Listener," complains bitterly of alleged amateur Morse interference on the broadcast band.

In order to clear up any misapprehensions he or other listeners may have, I would like to make known the following facts:—

1. Amateurs in New Zealand do not transmit in the broadcast band at any time whatsoever. We have definite wavelengths allotted us, and the highest available is 175 metres. Even then this band is seldom used in this country, due to the remarkable suitability of our 80-metre band for local work. City amateurs, especially, very rarely use it.

2. Amateur transmitters pay exactly the same fee (30/- per year) for their licenses and are entitled to the use of the air just as much as any listener. Many, however, remain silent during broadcast hours for the benefit of their neighbours.

3. Amateur transmissions on 80 metres are heard in the broadcast band only by inefficient receivers. A modern set will experience no trouble whatsoever as numerous tests have proved.

4. On 2YA's wavelength interference from ZLW is more probable than from amateurs owing to his higher power and his proximity to the broadcast band.

Also, when ZLW changes his wave to the 800-metre band, his second harmonic comes uncomfortably close to 2YA. This may account for some interference.

If your correspondent is really certain that his trouble comes from an amateur transmitter, I would appreciate it if he would get in touch with me (phone 27—626) as our association is anxious to clear up any such problems. If he is using a crystal set, as I suspect, there is undoubtedly room for improvement in his receiver.—F. A. McNeill, Secretary, Wellington Branch, N.Z.A.R.T.

HAS "Disgusted 2YA Listener" attempted to find out what station the QRM comes from? If the interference is really loud enough to be objectionable anyone who can read Morse will soon tell him the station's call. Let him then complain to the operator of the station responsible. He will find that man only too willing to co-operate with him in eliminating the clicks or other Morse QRM. Also, has it occurred to your correspondent that it may be his receiver which is at fault? If it is unselective it will bring in any QRM going for miles round. In this case it's up to him to get it fixed.

I must take exception to a rather sweet expression, too. He says, "For a small fee these pests are allowed to pollute the atmosphere." He would worry if his receiver—ah—polluted the atmosphere. The Ham has to pass a fairly stiff exam. before he can pay his "small fee" for transmitting, and he has to know how to eliminate QRM from BC sets. I suggest that your correspondent should be reasonable and go to the "pest" concerned. I can testify to the trouble taken by one Ham I know to eliminate QRM. He is in the middle of a large number of BCL's. The interference has been cut out from all but one, and the operator of the transmitter is still working most evenings to clear up the last one. He has spent most evenings for the last week or two (and a good deal of hard-earned cash) doing his best for the BCL's. Let the BCL's give the Hams a fair deal.—"Not a Ham—Yet."

KFI and 4YA.

I HAVE read with interest the opinions of "Red Bird" and "Economic"

about the closeness of KFI, Los Angeles, to 4YA, Dunedin. I quite agree with "Economic's" views that it is impossible to get clear reception from KFI with Dunedin butting in, as it does at present. I certainly know several here who would like something to be done about this problem also. "Economic" will have the satisfaction of knowing that someone else is leaning on his side of the fence.—"Justice" (Wanganui).

THE question of heterodyning of 4YA and KFI was discussed at the Christchurch meeting of the New Zealand DX Club. We were unanimous that it was possible to tune in 4YA without KFI but not KFI without 4YA. From reports it appears that 4YA "shifts" in frequency. This corroborates the letter of 1420C in "R.R."—DX-28MC.

Saturday Night Sports Summary

From All YA Stations at
10 p.m.

AN innovation which should meet with the approval of all listeners, and especially of those keenly interested in sporting, will be introduced at all the YA stations on Saturday, April 30, when a summary of the day's sporting will be broadcast at 10 p.m. The 11 p.m. Saturday resume of sporting events, introduced by 2YA, has always been very popular, and the earlier time which has now been arranged for should prove still more acceptable. Henceforth, therefore, the Saturday evening sports summary will be broadcast at 10 p.m. instead of at 11.

Soccer Broadcasts.

WHY not give Soccer enthusiasts some consideration? I have had my radio for seventeen months and have never had the privilege of listening to a Soccer broadcast. I wonder if any other old Soccer player feels as I do about it?—T. Cristle (Whangarei).

2YAleans Appreciated.

WE have never enjoyed a broadcast better than the one recently put over by the 2YAleans; they surpassed all expectations, to say nothing of the play, "The Black Spot." Indeed, the company deserves everyone's thanks for endeavouring to put over such a good programme.—G5 (Nelson).

Better Recordings Wanted.

I AM unfortunately a listener who can appreciate good music. I have a very happy recollection of the first recorded Wednesday night programme from 2YA. It was beautiful, and we had hopes that during one evening of the week, those who love the higher class music were to be catered for, but alas, were it not for Dr. Scholefield and his always interesting lecture, and just an occasional good record, the evening is as so many others, so very ordinary.—"Perfectone" (Levin).

News Service.

AT present country people find it difficult to make ends meet and most of us, after working hours, want principally the weather report and news. To get "news" from 2YA one has to listen to racing results and names of scratched horses, cricket scores from all over the Dominion, golf, yachting,

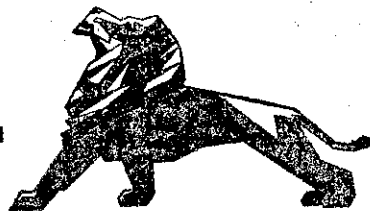
running, broadsiding, and even croquet winners' names, and tennis scores and rowing results. Personally I grudge the battery current used, and few farmers have either time or money for racing, yachting or croquet. These lists of winners' names are merely dreary rubbish. Could not news be given first so that one could turn off the set or turn to a B station. Wishing for news of the Sino-Japanese war one night I put up with over half an hour of these "sporting" results, and when the items of news from the "Evening Post" came along these consisted merely of a few political items of information about Mr. Veitch, Mr. Taverner and Mr. Stallworthy so far as I remember. If we get television in our homes no doubt our entertainment will begin and end with pictures of Mr. Veitch playing golf. Mr. Taverner yachting, and Mr. Stallworthy playing croquet. Interesting events are happening over the world, and although town dwellers have their morning and evening papers, we only have one mail per week. Surely it should be possible to give one or two items of news in addition to information regarding politicians and rowing results.—W. Southern (Tokomaru Bay).

I WAS greatly amused at a par by Spark" this week: "Have you returned your questionnaire?" No, because there are none available at this P.O. I paid my license on March 27. There were none available then, or on April 8. Is economy the reason, or is it that they are only handed to those who agree with the present programmes? I don't. They are surely growing worse, and soon will be all high-class music. I am a musician myself, in that I play seven instruments, but must say I am fond of humour, of which we now get none. Being an old master mariner, I have travelled the whole world from China to Peru. I do not belong to New Zealand. I am Manx, and am living only here on account of my health. I have never met in all my travels such an utter lack of humour as in this country.—A. Torrance (New Brighton).

World Radio News

RUSSIAN wireless history is to be portrayed in a special film entitled "Five Years of Soviet Radio," now in preparation. The story opens with the voice of Lenin reproduced from a gramophone record preserved in the Moscow archives, and then gives a pictorial and sound review of radio's progress from political, artistic, and economic standpoints.

TO provide a deaf person with broadcast reception at a strength he can enjoy, without inconveniencing the more fortunate members of the family circle, has constituted a problem in many homes. In Goerlitz, Germany, the difficulty has been met by providing a special "House of the Deaf," where deaf persons may congregate and hear the programmes through headphones at any strength they desire. The house contains a number of listening rooms equipped with headphones and the necessary amplifiers. This seems a rather unnecessary procedure. On most receivers it is quite easy to tap the loudspeaker output with headphones and auxiliary volume control.



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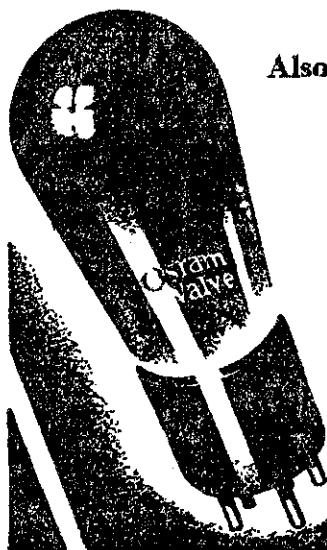
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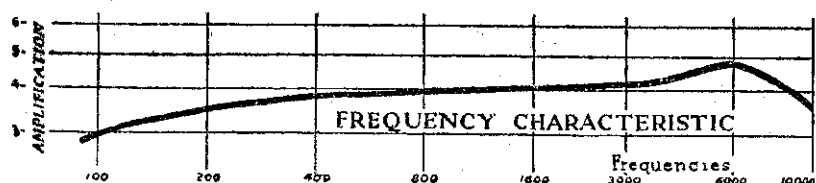
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Questions and Answers

GIPSY MOTH (Mount Eden): Would I notice a great increase in volume if I were to increase the plate voltage from 90 to 135?

A.: We think, yes.

2. With 22½ volt. det. and a 5 meg. grid leak there is a gentle step into oscillation on the two shortwave coils and on the others (the broadcast coils) under the same conditions, the oscillation is rather rough.

A.: Your best plan would be to incorporate potentiometer grid return. You could then alter the setting to include reaction on all coils. The valve of the grid condenser for broadcast work should be about .0003.

3. I have lead two wires of 22 d.c.c. for a distance of about 40 feet from my speaker. Is this imposing a strain on the set?

A.: No, but it would be advisable to use an output transformer, to restrict the d.c. current to the set and not allow it to wander through the wires. A diagram shows how to connect such a filter.

TIMOTHY (New Plymouth): What size condenser do you wish to tune the secondary with? We cannot give you coil details without this.

N. E.P. (Nelson): Assuming that the same signal voltage were fed into both systems, and that the valves were working at their fullest capacity what would give the greatest undistorted volume—two pentodes in pushpull or two 250's in pushpull?

A.: The undistorted output of two 247's in pushpull would be approximately 7.5 watts. That of two 250's approximately 14 watts.

C. M. (Lower Hutt): I cannot get a pick-up up to function by connecting it to the grid circuit of my detector valve. How is rectification accomplished in my eight-valve set?

A.: If the customary condenser and grid-leak are missing, power detection is employed, and the best way to insert a pickup is to break the grid return between the bottom of the coil and grid bias and put your pickup there. The condenser and resistance are used for neutralisation reasons. The specifications for a filament transformer to supply six 227's, one 415, and one 603 are core 1½ in x 1½ in. Primary 1140 turns of 24 gauge enamelled wire. Secondary, three separate windings of No. 18 gauge d.c.c. Each winding should have 15 turns. These can be used in parallel to supply the six 227's. The 415 is a d.c. valve and quite unsuitable for a.c. operations. For the 603 you will require one winding of 18 gauge d.c.c. wire with 35 turns. For further particulars see the "Radio Guide."

W. H.W. (Dunedin): I have made a short-wave adapter, and am using same from a "B" and "C" eliminator. There is a bad hum.

A.: This is due to the sensitive short-wave detector picking up hum through the plate supply from the eliminator. Your best plan is to incorporate another choke and condense in the "B" lead. A commercial one of the B3 type would do, and use a 2mfd. condenser between the set end of the choke and earth.

BILL (Rangiahua): I have difficulty in separating the stations on my five-valve set.

A.: Your best plan would be to construct a band-pass filter, an extra tuning unit such as was described in the 1932 "Radio Guide." The estimated cost would be about 30/-.

J. B.G. (Lower Hutt): What is the ratio of the two audio transformers in the shortwave receiver described in the 1932 "Radio Guide"?—3½—1.

2. Would Osrarn four-volt valves be suitable in the first and second stages?—Yes.

R. C. (Nelson): It would not be practicable to add a radio stage to a short-wave receiver, such as "Round the World Two." If you want to use a three-valve set, with a radio stage, construct the "Kestrel Three," the screen-grid r.f. amplifier. This was described in the "Radio Record" about five months ago. You could use your own coils in this set.

TRYOUT (Sumner): Is it possible to construct the coils used in the i.f. stages of the "Cathode Super"?

A.: Yes, providing they are of the hand-paw type, any intermediate coils resonating at 175 kilocycles will be satisfactory. We have made arrangements for "Cathode" to describe, some time in the future, suitable coils for this set. Bank wound coils would not be much inferior to the honeycomb ones described. However, your best plan would be to look out for the article. It will appear probably in the "Radio Times."

SUPER SIX (Reefton): I have constructed the "Super Six," but there is far too much noise. All the components have been completely tested. The stations are tuned in with a shrill whistle which does not leave on some of the stations even when properly tuned in.

A.: Such a condition as whistling on some stations is often caused by the fact that the receiver is sufficiently sensitive to respond to two signals on approximately the same frequency being transmitted by two widely-separated stations.

IYA's Frequency Changed

MANY listeners will have noticed that IYA now comes in at a different place on the dial. The fact is that it has reverted to its original frequency of 902 kc., from which it temporarily shifted to 875 kc. in order to avoid heterodyning with American stations.

There is no real remedy as far as the receiver is concerned. Other causes may be an open ground at the shield and shield contact, poor contact in the mixer and i.f. and demodulator circuits, incorrect location of the control grid lead in the first detector and i.f. stages, and parasitic oscillation generated by the oscillator valve. If the noise you complain of is a constant crackling, try removing the loop. If it continues, then there is either a loose connection or a defective component in your set. But you must bear in mind that the "Super Six" is really a sensitive set, and if there is any noise due to power leakages, etc., there is a very good chance of picking it up.

D. U. (Paeroa): I am on a hill surrounded by trees. How can I best erect my aerial?

A.: Without a sketch of your locality it would seem to us that the best plan would be to run the aerial from one of the higher trees to a mast on your house. The lead-in could be taken from a point several feet away from the house end. However, end the aerial at this point, and merely support it to the mast by ordinary wire well insulated from the aerial wire.

TRURO (Auckland): Is it possible to add a short-wave to my Cossor Melody Maker?

A.: Yes, special short-wave coils are provided for this receiver.

2. Could I improve my earth, the wire of which is 15 feet long, and is tapped to a water-pipe which runs under the house for a further 26 feet before it enters the ground, which is very rocky?

A.: Is it not possible to take the wire direct from your set to a galvanised pipe or series of galvanised pipes driven into the ground and kept moist with salt water?

TALKIE (Manunui): What would be the correct output transformer for two dynamic speakers, wired in parallel, to be matched to two 250 valves in pushpull?

A.: It would be a better plan to wire two speakers in series. However, for parallel operation the ratio should be approximately 27—1. If the two speakers are wired in series the ratio should be 20—1.

2. A Blue Spot speaker is wired in parallel with a dynamic. This also alters the impedance. Would it be better if it were taken off the stage earlier?

A.: Yes; but surely if you are using two 250's in pushpull it is unnecessary at a

(Continued on page 22.)

News and Views of the DX Club

Answers to Correspondents

Would DX11MC please send his address to H.Q.?
DX48NW (Westport) and D.McI. (Wellington). Full details of the DX Club have been forwarded to you.
DX1340C (Dunedin): Suggestion noted. See next "Times."

Addresses and Addresses Wanted

DX1340C: WENR, National Broadcasting Co., Inc., Chicago, Illinois.

Identification Wanted

Station on approx. 1100 kc. just below Heilsberg and OKR. A woman announces

ing on 680 kc. (441 m.). Programme and announcements were all in English. One of the tunes was the "Barcarolle" from the "Tales of Hoffman," sung in English. At 6.48 I tuned in again and heard a programme in Italian. As the announcer was a lady, there is not much doubt but that the latter part of the programme was from Rome. Can anyone explain this? There was no sign of heterodyning, and volume at both times was much the same. Unfortunately, distant reception in my locality is frequently spoilt by a nearby "howler."—DX400 (Invercargill).

Two stations heard in the mornings, one on 710 kc. (422 m.) between 5.45 a.m. and 6.20 a.m. A man heard speaking in a foreign tongue. The other is on 860 kc. (349 m.). Speech is also foreign. Both come through clearly. Orchestral music has been heard from another station on 640 kc. (469 m.), at 6 a.m.—"Mark" (Dunedin).

American on approx. 1130 kc. (265 m.) heard at 5.40 p.m. at about R6 on April

Special Broadcast for N.Z. DX Club

I have received a card from Mr. Doman, of California, asking me to give as much publicity as possible to the following:—"Station WDAG, Amarillo, Texas, will conduct a special courtesy programme for the Round the World DX Club, and dedicated to members of the N.Z. DX Club, on the morning of Saturday, April 30, from 3.0 to 4.0 a.m., central standard time (8.30 to 9.30 p.m., Sunday, May 1, N.Z.S.T.). WDAG operates on a frequency of 1410 kc. (213 m.), with a power of 1kw., and it is hoped that New Zealand fans will be able to pick up this programme and report on it."

Mr. Doman is the corresponding secretary for our Round the World DX Club, and sends best wishes to all members of the N.Z. DX Club.—DXIT (New Plymouth).

the items and a man gives the call, which is followed by a short bird whistle. It is usually heard from 5.30 a.m. on.—DX99W (P.N.).

Station heard at approx. 8 p.m. on April 12 on approx. 780 kc. (384 m.) at good volume. No call was given. Apparently an auction sale was in progress. "Seasoned timber" was mentioned, and a bed was sold for fifteen shillings. A perambulator and a dog were among the other things sold. This station was also on April 15, heterodyning badly with a Jap. Items heard: "I'm Waiting for Ships that Never Come In," sung by a woman, and "When the Moon Comes Over the Mountain." This was at 10.15 p.m.—DX1340C (Dunedin).

Station heard 2 degrees below SAR on April 11. National Anthem was heard, but afterwards it faded out. It was also heard very faintly the next evening. What station heterodynes 2BL? An American is heard nightly 1 deg. below him, but I cannot get his call.—DX140A (Onehunga).

Station heard April 16 on approx. 1120 kc. (268 m.) at R8, QSA4. Between each item was a distinct pause, and the only words spoken was a short monologue referring to the old masters (Schubert, etc.). No other announcements were made. Items and times heard: 6 p.m., bagpipes playing "The Old Rustic Bridge by the Mill"; 6.7 p.m., "The End of a Perfect Day"; 6.15 p.m., a band march; 6.20 p.m., vocal item, "Madame."—D.McI. (Wellington).

Station on 1000 kc. (300 m.) heard between 5.33 and 6.20 p.m. on April 17. Programme consisted mainly of dance music. Also a station on 750 kc. (400 m.) heard between 5.24 p.m. and 6.30 p.m. on the same day, when I think it closed down. From 6.19 a.m. to 6.42 a.m. on April 18 a station was heard broadcast-12. Fading slight and static bad. A foxtrot was heard, followed by an an-

nouncement concerning a 200 dollar dancing competition. Another foxtrot, "Looking Forward to Summer," was followed by an announcement concerning half-hour broadcasts every Saturday and Monday from Coconut Grove. A lady then sang. The name "Yukon" was mentioned once.—DX98W (P.N.).

Stations Identified

G.R.L. (Timaru): Station W3XL. For an account of the broadcast you heard see last week's "H.R." page 24.

DX1000C: See "Topics."
DX48A (Pokeno): Latest lists do not give a station with the call sign "KGRS." It is almost certain to be "KGRS," unless this station has changed its call sign very recently. "Amarillo, Texas" is sufficient. 1ZII, Hamilton, is still on the air. Your protest has been noted.

DX Topics

Address of XER.

EUROPEANS are coming in well now, but you need to be a linguist to do much with them. On a recent verification from XER there is an address I have not yet seen published. It is: XER, Box 1083, Del Rio, Texas. On April 17 this station was R7-8 from 5 p.m. onwards. On April 6 4ZF was logged on his dx programme at R9 after 11.40 p.m., but static was exceptionally bad. I received a Night-Owl card, together with a verification, from KGR, Butte, Montana. Also the Butte Chamber of Commerce sent a book slightly larger than the "Radio Log" on Montana.—DX99W (P.N.).

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PROGRAMME FEATURES

—May 1-7—

SUNDAY

From 1YA

EVENSONG from St. Matthew's Church will be relayed at 7 p.m., the preacher being the Rev. Canon Grant Cowen and the organist and choirmaster Mr. J. H. Philpot. The broadcast of a studio concert will follow, the 1YA Chamber Orchestra providing the instrumental items. L. M. O'Leary, baritone, will make his bow to 1YA listeners and Edna and Phyllis Tye will be heard in piano and vocal items.

Wellington Programme

THE service to be conducted in the Terrace Congregational Church, where the preacher is the Rev. H. W. Newell, the organist and choirmaster Mr. H. Brusey, will be relayed. The broadcast of a concert to be given in the De Luxe Theatre by the Royal Naval Volunteer Reserve Band, under Harry Baker, will follow.

Christchurch Items

THE service to be conducted in St. Albans Methodist Church by the Rev. W. Rowe will be broadcast. The choir conductor will be Mr. W. Simpson, with Miss Clarice Bell as organist. The broadcast of 4YA's after-church studio concert will follow.

4YA Notes

THE service to be conducted in the Salvation Army Citadel by Adjutant Len. B. Tong, will be broadcast. Mr. A. Millard will lead the band. The studio concert to follow will be given by John T. Leech's Minnesingers and Orchestra.

MONDAY

Jottings from 2YA

A NEW combination of vocalists calling themselves the 2YA Octet will provide sections of the evening's entertainment. They will give fifteen-minute recitals of popular songs and choruses, including excerpts from light musical plays by Caryl. A "Surprise Item" will be broadcast at 9 o'clock.

Christchurch Programme

UNDER the auspices of the Workers' Educational Association, the first of a series of four talks on "Music" will be given by the Rev. Hubert Jones, Mus. Bac.

The programme will be contributed by Derry's Military Band, and the popular Melody Trio of instrumentalists will be heard.

Items from 4YA

THE selected recorded programme includes Dusolina Giannini in two Schubert songs, Sigrid Onegin in two by Brahms, and Hubert Bisdell in three songs by Quilter. Floyd Turner and His Home Towners will sing the old favourites, "Little Brown Jug" and "Ida Red." The Royal Choral

Society will present "The Mastersingers" and the Light Opera Company will sing excerpts from "Mister Cinders."

TUESDAY

Notes from 1YA

ON the recorded programme will be heard Gertrude Johnson, soprano, singing "The Jewel Song" (from "Faust") and Sir Edward German's "Waltz Song." Humour will be provided by Reg. Grant and Wish Wynne. The orchestral numbers include "The Barber of Seville," Weber's "Invitation to the Waltz," and Ketelbey's "Cockney Suite." Violin and piano



Noni Wright

A clever young Auckland elocutionist and a favourite with listeners to 1YA.

—S. P. Andrew, photo.

solos will be included, and at 9 o'clock Captain F. H. Billington will give his second talk on "Argentina."

Wellington Features

FROM 8 to 9 at 2YA the microphone will be handed over to Mr. Doug. Stark and his "Cheerie Chappies," who, assisted by the Salon Orchestra, will provide an entertainment of "cheery chatter and melodious melodies." The programme has been arranged by Mr. Stark, who is well known to listeners.

In the second half of the programme, popular numbers will be sung by the Lyric Quartet; there will be recordings by Harry Lauder and varied selections will be played by the 2YA Orchestra. At 9 o'clock Mr. H. F. von Haast will give his next travel lecturette, "London and its Landmarks," descriptive of the great-

est and most interesting city in the world.

Dunedin Features

DURING the W.E.A. session Dr. A. G. B. Fisher will be the lecturer, continuing his talks on "What I Saw in Russia."

The Artillery Band, assisting vocal artists, and a number of recordings will contribute to the concert.

WEDNESDAY

Items from Auckland

A HALF-HOUR'S recital of the latest recordings will be followed by an hour's concert provided by Berta Carr and Maida Hooker (in vocal and piano numbers), Arthur Ripley (with four popular tenor solos, some recorded items, and a talk by Mr. A. B. Campbell on "Byways of New Zealand Story."

2YA Jottings

THE vocal numbers on the recorded programme will introduce to listeners two fine singers, Lotte Schone and Willy Domgraf-Fassbender, singing in the duet "My Part I'll Play" (from Donizetti's opera "Don Pasquale"). The interpretation of this gay duet by these two artists is a fine performance. A humorous sketch, "The Disorderly Room," a very clever burlesque of incidents in army life, will be presented by Tommy Handley and his company.

Selections from Christchurch

A CLASSICAL-OPERATIC programme will be broadcast by the Studio Orchestra, under Harold Beck. Phyllis Kinniburgh (pianist) will contribute to the instrumental side of the programme. Lawrence A. North, the possessor of a rich baritone voice, will make his first appearance in 3YA studio to-night, singing "The Prologue" (from "I Pagliacci"), "A Garden is a Lovesome Thing," and "My Abode."

4YA Jottings

A programme commemorating the Bi-Centenary of the birth of Haydn will be presented by 4YA artists. During the evening Mr. G. W. Johnstone will deliver a talk on "Haydn and His Work."

THURSDAY

Features from Auckland

AT 7.30 there will be the W.E.A. session, when Mr. H. Hollinrake, Mus. Bac., will continue his talks on "The Modern Orchestra and its Instruments: Percussion."

A concert to be given by the Aeolian Orchestra, under Gerald T. Lee, will be relayed.

From Wellington

THE W.E.A. session will be conducted by Mr. G. W. von Zedlitz, M.A., speaking on "The Pleasures of Reading—Biography and History."

A concert to be given in the Town Hall by the Wellington Symphony

Featurettes

2YA Octet

2YA, Monday.

"The Cheerie Chappies"

2YA, Tuesday.

Haydn Programme

4YA, Wednesday.

Symphony Orchestra

2YA, Thursday.

Orchestra, under Leon de Mauny, will be broadcast.

As is usual, an excellent programme has been arranged, and should delight music lovers. Paul Vinogradoff, the eminent Russian pianist, will contribute, and will be heard, in company with the orchestra, in the presentation of Rachmaninoff's "Second Concerto in C Minor." Lucien Cesaroni, basso, will sing "To the Sun," Tschaikowsky's "Serenade," and Moussorgsky's "Song of the Flea."

3YA Programme

A RECORDED programme, mainly of a light nature, will be broadcast. At 9 o'clock a talk on "A Glimpse of Kurdistan" will be given by Mr. W. M. Hamilton, who paid a visit to this region last year.

From 4YA

THE station will be on the air during the afternoon to broadcast trotting results from Forbury Park.

FRIDAY

Notes from Auckland

EILEEN MILLER (contralto) and Albert Gibbons Taylor (bass baritone) will be the local soloists on to-night's miscellaneous programme. Some of the latest popular airs will be played by the Regal Saxophone Quartet, whilst a varied programme will be presented by the Chamber Orchestra, under Harold Baxter.

2YA Notes

A ONE and a half hour's concert at 2YA will be followed by dance music till 11 o'clock.

Jensen
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3YA Selections

UNDER W.E.A. auspices, Mr. M. J. Barnett, superintendent of Christchurch City Reserves, will give his second lecture at 3YA on "Horticulture."

Features from Dunedin

"A GUIDE through the depression—the agricultural problem" will be the subject of the W.E.A. lecture by Mr. Lloyd Ross at 4YA.

The Select Four at 4YA will sing excerpts from several of the most popular musical plays, and solos will be broadcast by well-known artists, and the Premier Mouth-organ Band, playing popular airs, should add novelty to the programme.

SATURDAY

1YA Items

ON to-night's programme, which will be of the week-end variety type, will be Miss Reta MacCullay, Scottish soprano, and Mr. Fred Baker, baritone, both singing well-known songs. The Mati Trio will entertain with Hawaiian and other airs. A miscellaneous programme will be presented by the 1YA Chamber Orchestra. At 9 o'clock "Lee Fore Brace" will tell a sea story, "Yorkie," whilst at 10 o'clock there will be the sporting summary, followed by dance music till 11 p.m.

Features from Wellington

THE W.E.A. talks on "The Earth and Man—Our Shrinking World," will be continued at 2YA by Mr. R. J. Waghorn, M.A.

3YA and 4YA

FROM 11.30, 4YA will be broadcasting trotting results from Forbury Park (second day).

4YA's Studio Concert will be broadcast also by 3YA.

How to Listen to the Carillon

(Continued from page 7.)

trill brilliantly on the smaller bells, and give us cascades of scales and arpeggios which makes the tower itself seem to be vibrating to the sound of its own music.

This capacity for brilliancy of effect is the more astonishing as practically all these effects are produced, not as at the piano, with ten fingers, but with two firmly closed fists.

At this point I want to stress again these two points, the limited resonance of the bell due to the position of the clapper and to the harmonics, which at first are bewildering to an unprepared ear, those over-tones which are ever present and must be accepted as inevitable. And from these two points I move on to the next: How and where to listen to the carillon. I am not going to name any street or actual location for the listener, for it depends on various conditions—weather, when you will huddle under the few verandas to be found in that locality (if "weather" means "rain"!); "Wind," when naturally we leave the windward side of the tower and listen on the leeward side—though if it's only a Beaufort No. 1 wind, we will not be at all disturbed!

Don't stand so that a building comes between you and the tower, for a building casts what are called "sound shadows." Keep to positions in which is the least traffic. Again, take up your position where the melody stands out from the harmonics. Concentrate on the melody and you will find that gradually the ear becomes accustomed to that ever-present mist of sound, till at last these very harmonics will reveal themselves as one of the chief beauties of bell music.

These first recitals will bring again to you, clothed with an unfamiliar but beautiful rope of sound, the old melodies which have grown out of the very souls of a great nation. They will bring, too, the songs and choruses our men sang, those men in whose honour the bells will for ever sing.

Landmark Disappears.

A FAMILIAR sight to all Melbournites is the wireless mast that crowns the little hill in the Domain, and genuine regret will be felt by many to hear that its demolition has been ordered. This mast has been a landmark for 21 years and was part of the equipment of the first commercial station in Australia, originally known as P.O.M. and later as V.I.M. I should think that 2YA's announcer had worked this station many times.

Mr. Noel Ashbridge on Empire Broadcasting.

THE B.B.C. is not yet in a position to say very much about the two new Empire stations, as the building has only just commenced. Nevertheless some interesting information was given by Mr. Noel Ashbridge, the B.B.C. chief engineer, in a talk to the Royal Empire Society. He explained how Empire broadcasting would be possible by means of short waves in the light of experience gained since the establishment of G5SW.

That station had not been able to give a satisfactory service over the whole territory which should normally be covered because it had only worked on one wavelength. The question of planning an Empire station had been explored along the lines of making use of directional effects, and for this purpose the Empire would be divided into five zones.

Starting on this basis, the technical equipment would be designed to give the best possible reception facilities for each of these zones, particular stress be-

ing laid upon good reception between 6 p.m. and midnight, local times. At the same time it is hoped to provide facilities for satisfactory reception at other times of the day by the provision of "omni-directional" aerials.

The aerial arrangements would permit of modification in order to allow advantage to be taken of experience as the service developed.

Some months of careful testing will be necessary on completion of the station before it is possible to settle down to a fixed routine method of working. It will be necessary to gain experience from these tests before a definite programme schedule could be completed. The Empire broadcasting station should be ready to radiate its initial programme before the end of this year.

AN excellent short-wave tuning tip is to mount the dial so that its edge projects slightly from the panel edge, thus producing a slight "hump" by means of which the condenser can be tuned very accurately indeed when the hand rests on the panel edge as well.

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Programmes for Week ending May 8

Sunday [May 1]

1YA AUCKLAND. 902 kc.
Sunday 1.

2.0 p.m.: Selected Recordings, and Literary Selection.

6.0: Children's Song Service.
7.0: Relay service from St. Matthew's Church. Preacher: Rev. C. H. Grant Cowen. Organist and Choirmaster: J. H. Phillpott.

Concert Programme.

8.30: March, 1YA Chamber Orchestra, under direction Harold Baxter, "Italiana" (Drescher). Ballet, "Dance of the Hours" (Ponchielli). Piano and Vocal, The Tye Sisters, (a) "The Memory of a Song" (Nicholls); (b) "Nocturne F Sharp" (Chopin); (c) "Wake Up" (Phillips). Recording, Cello, Cedric Sharpe (a) "Harlequin and Columbine" (Woodworth); (b) "Chanson Louis XIII (Couperin-Kreisler). Baritone, L. O'Leary, (a) "Thou Art Risen, My Beloved" (Coleridge-Taylor); (b) "From the Land of the Sky Blue Water (Cadman). Weather forecast and notices. Characteristic, The Orchestra, "In the Mystic Land of Egypt." (Ketelbey). Recording, Wiener Schubertbund, (a) "Der Tanz;" (b) "Die Nacht (Schubert). Piano and Vocal, Tye Sisters, (a) "Life and Death" (Coleridge-Taylor); (b) "The Juggleress" (Moszkowski. Negro Melody, The Orchestra, "Deep River" (Coleridge-Taylor). Patron, "Maple and Beaver" (O'Neill). Recording, Violin, Rene Benedetti, "Suite Populaire Espagnole, (a) "Cancion, (b) "Jota," (c) "Asturiana, (d) "Polo" (de Falla, arr. Kochansky). Baritone, L. M. O'Leary, (a) "Brian of Glennar" (Graham); (b) "What a Wonderful World It Would Be" (Lohr). Recording, Choir of St. Paul's Cathedral, (a) "Angels Ever Loving" (Tschalkowsky); (b) "Hail, Gladdening Light" (Wood). Waltz, The Orchestra, "Vie dans la Cite" (Translateur).
10.0: Close down.

2YA WELLINGTON. 720 kc.
Sunday 1.

2 p.m. to 4.30: Selected Recordings.
6.0: Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from the Island Bay Baptist Church.

7.0: Relay of Evening Service from The Terrace Congregational Church. Preacher: Rev. H. W. Newell, M.A.; Organist and Choirmaster: H. Brusey.

Concert Programme.

8.15: (approx.): Relay of Band Concert by the Royal Naval Volunteer Reserve Band from the De Luxe Theatre (Conductor, Harry Baker).

3YA CHRISTCHURCH. 980 kc.
Sunday 1.

2.0 p.m.: Gramophone recital.
4.30: Close down.

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

5.30: Children's Song Service, conducted by Children of St. Albans's Methodist Sunday School.

6.15: Selected recordings.
6.30: Relay of Evening Service from St. Albans Methodist Church, Rugby Street. Preacher: Rev. W. Rowe. Organist: Clarice Bell. Choir Conductor: W. Simpson.
7.45: Selected Recordings.



Doug. Stark

And his

Cheerful Chappies

Will provide one hour of cheerful chatter and melodious melodies assisted by the Salon Orchestra.

2YA, Tuesday, May 3.

8.15: Relay of programme from 4YA, Dunedin.
10.0: Close down.

4YA DUNEDIN. 650 kc.
Sunday 1.

2.0: Selected recordings.
4.30: Close down.
5.30: Children's Song Service, conducted by Big Brother Bill.
6.15: Selected recordings.

6.45: Relay of Service from Salvation Army Citadel, Dowling Street, Dunedin. Preacher, Adjutant Len B. Tong. Conductor of Band, A. Millard.

Concert Programme.

8.15: Programme by "The Minnesingers" and Orchestra. Conductor, John T. Leech. Selection, The Orchestra, "March Militaire" (Schubert).
8.18: Chorus, The Minnesingers, "Gloria" from "Twelfth Mass" (Mozart).

8.23: Baritone, W. Ruffell, "So, Sir Page" (Mozart).

8.27: Recording, Band of H.M. Coldstream Guards, "Raymond" (Thomas).

8.31: Quartet, Anne White, Helen Roy, John T. Leech and W. Ruffell, "Revel of the Leaves" (Veasie).

8.35: Selection, The Orchestra, "Solweig's Song" (Greig).

8.39: Chorus, The Minnesingers, "By Babylon's Wave" (Gounod).

8.44: Contralto, Helen Roy, "The Kerry Dance" (Molloy).

8.47: Suite, The Orchestra, "A Dream of Egypt" (Woodforde-Finden).

8.56: Duet, Anne White and John T. Leech, "Love Divine" (Stainer).

9.0: Weather forecast and notices.

9.2: Recording, Berlin State Opera House Orchestra, "La Belle Helene" (Offenbach).

9.9: Chorus, The Minnesingers, "Hunting Chorus" (Cellier).

9.13: Baritone, L. Harrison Stubbs, "My Friend" (Behrend).

9.17: Selection, The Orchestra, Sextette from "Lucia di Lammermoor" (Donizetti).

9.21: Soprano, Lillian McKenzie, "I Heard You Singing" (Coates).

9.24: Chorus, The Minnesingers, "O, Gladsome Light" (Sullivan).

9.29: Recording, Violin, Erica Morini, "Russian Folk Song" (Kreisler).

9.33: Contralto, Maud Kenward, "Hine E Hine" (Elkin).

9.36: Quartet, The Aeolian Singers, "The Long Day Closes" (Sullivan).

9.40: Selection, The Orchestra, "Rebel Maid" Dances (Phillips).

9.47: Soprano, Jean McGregor, "The Rowan Tree" (Trötl).

9.50: Part Song, The Minnesingers, "Hymn to Music" (Buck).

9.56: Recording, Band of H.M. Coldstream Guards, "Geisha" (Jones).

10.0: Close down.

2YB NEW PLYMOUTH. 1230 kc.
Sunday 1.

7.30 to 8.15—Church relay.
8.15 to 10.0—Studio concert.

Monday [May 2.]

1YA AUCKLAND. 902 kc.
Monday, 2.

SILENT DAY

2YA WELLINGTON. 720 kc.
Monday, 2.

10 a.m.: Selected recordings.

11.12: Lecturette, "Cooking."

11.37: Lecturette, "Health Hints or First Aid."

12.0: Lunch music.
2.0: Selected recordings.
3.15: Lecturette, P. R. Wingrove, "The Tail-Waggers' Club."

3.30 and 4.30: Sports results.
5.0: Children, by Uncle Jeff.

Dinner Music.

6.0: The London Palladium Orchestra, "The Maid of the Mountains"—Selection (Fraser-Simson). Dajos Bela Orchestra, "Dynamiden" Waltz (Strauss). Zonophone Salon Orchestra, "Simple Aven" (Thome). New Symphony Orchestra, "Country Dance," from "Nell Gwyn" (German).

6.18: Victoria Orchestra, "La Serenata" Waltz (Metra). De Groot and the Piccadilly Orchestra, "Charmaine" (Rapee). Organ, Jesse Crawford, "How am I to Know?" (King). Bournemouth Municipal Orchestra, "Don Giovanni," Act 1—Minuet (Mozart).

6.30: H.M. Grenadier Guards Band, "Hyde Park Suite" (Jalowiec); "Sunday Morning Church Parade," "Rotten Row," "On the Serpentine," and "Around the Bandstand." Zonophone Salon Orchestra, "Narcissus" (Nevin). Victoria Orchestra, "Espanita" Waltz (Rosey). New Symphony Orchestra, "Pastoral Dance" from "Nell Gwyn" (German).

6.49: De Groot and the Piccadilly Orchestra, "Bird Songs at Eventide" (Coates). Organ, Jesse Crawford, "I'll Close My Eyes to the Rest of the World" (Friend). Bournemouth Municipal Orchestra, "Marriage of Figaro" Fandango (Mozart).

7.0: News and reports.

7.40: Lecturette, A. Quinell, "Star Myths of the Zodiac."

Concert Programme.

8.0: Selection, 2YA Orchestra, "Les Huguenots" (Meyerbeer). Conductor: Signor A. P. Truda.

8.10: Fifteen minutes by 2YA Octet: Soprano and chorus, "Gipsy Love Song" (Herbert). Chorus, "Bright and Blue Our Sunny Skies" (Carroll). Baritone and chorus, "Beautiful Venice" (Carroll). Chorus, "Old Mother Hubbard" (Wheeler).

8.26: Recording B.B.C. Dramatic Players, "Congo Nights" (Hughes). Recording Band of H.M. Coldstream Guards, "Down South" (Myddleton).

8.33: Contralto, Mollie Fenton, (a) "The King of Thule" (arr. White); (b) "On Wings of Song" (Mendelssohn).

8.38: Piano, Gordon Short, "Ballade" (Grieg).

8.45: Fifteen minutes by 2YA Octet: "La Gloria," "Early the Fete" (both by (Caryll).

9.0: Weather forecast and notices.

9.3: Surprise Item.

9.15: Selection, 2YA Orchestra, "Herodiade" (Massenet-Genin).

9.24: 2YA Octet: Duet, "The Flowers," "When Skies are Blue" (both by Schubert-Clutsam).

9.30: Recording, Mezzo-soprano, Pola Negri, (a) "Black Eyes," (b) "Farewell, My Gipsy Camp."

9.36: Instrumental, 2YA Orchestra, "Russian Folk Songs" (arr. Higgs).

9.44: 2YA Octet, "Dreaming" (Schumann), "The House that Jack Built" (Caldicott).

9.25: Cornet, S. Bernard, "Non-e-ver" (Mattei). Instrumental, 2YA Orchestra, "Mazurka" (Saint-Saens).

10.0: Dance programme.

3YA CHRISTCHURCH. 980 kc.
Monday, 2.

3.0: Gramophone recital.
4.30: Sports results.
5.0: Children, by Rajah.

Dinner Music.

6.0: San Francisco Symphony Orchestra, "Rosamunde—Entr'acte" (Schubert). International Concert Orchestra, "Danube Waves Waltz" (Ivanovici). Orchestra Mascotte with Edith Lorand, "I'd Like to Kiss the Ladies" (Lehar-Paganini). New Mayfair Orchestra, "Lilac Time" (Schubert, arr. Clutsam).
6.21: Dr. Onmady Instrumental Trio, "From the Land of the Sky-Blue water" (Cadman). London Symphony Orchestra, "Chanson de Nuit" (Elgar). Royal Opera Orchestra, "Faust—Ballet Music" (Gounod).

6.43: International Concert Orchestra, "Over the Waves Waltz" (Rosas). Musical Art Quartet, "Deep River" (arr. Conrad Held).

6.51: Orchestra Mascotte with Edith Lorand, "Siren Magic" Waltz (Waldteufel). London Symphony Orchestra, "Chanson de Matin" (Elgar).

7.0: News and reports.

7.30: W.E.A. Session, Rev. Hubert Jones, B.M., "Music."

Concert Programme.

8.0: March, Derry's Military Band (Conductor, J. Scott), (a) "La Ritarrata

Italiana" (Drescher); (b) "An Old Spanish Tango" (Rotter).

8.10: Recording, Charles Coburn and Ensemble, "An Old-time Sing-song" (Francis).

8.18: Instrumental Trio, The Melody Trio, (a) "Enough" (Homer-Samuels); (b) "A Little Twilight Song" (Clarke).

8.23: Contralto, Myra Sutton, (a) "The Setting Sun" (Peel); (b) "Still as the Night" (Bohm).

8.29: Romance, Band, "Hobo Moko" (Reeves).

8.35: Recording, Humour, John Henry and Blossom, "Blossom's Film Scenario" (Henry and Reeve).

8.41: Recording, Organ, Jesse Crawford, "Dancing Tambourine" (Polla).

8.44: Tenor, Keith Sharp, (a) "Softly, as in the Morning Sunrise" (Romberg); (b) "Home, Little Maori, Home" (Hill).

9.0: Weather forecast and notices.

9.2: Selection, Band, "The Gondoliers" (Sullivan).

9.16: Recording, The Four Voices, "Put Your Loving Arms Around Me" (Nicholls).

9.19: Instrumental, The Melody Trio, (a) "Le Cygne" (Saint-Saens); (b) "Ideale" (Tosti).

9.25: Contralto, Myra Sutton, (a) "Down Here"; (b) "O Western Wind" (Brahe).

9.29: Romance, Band, "Musica Proibita" (Gastaldon).

9.34: Tenor, Keith Sharp, "The Last Song" (Tosti).

9.37: Instrumental, The Melody Trio,

(a) "Estrellita" (Ponce); (b) "La Paloma" (Yradier); (c) "Neapolitan Nights" (Zamecnik).

9.49: Recording, Humour, Sir Harry Lauder, "I Like My Old Home Town" (Lauder).

9.53: Foxtrot, Band, "To-day I Feel So Happy" (Abraham). March, Band, "Florentiner" (L'ucik).

4YA DUNEDIN. 650 kc.
Monday, 2.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children, by Uncle Jack.

Dinner Music.

6.0: The New Light Symphony Orchestra, "The Merry Wives of Windsor" Overture (Nicolai). The Victor Olaf Sextet, "To a Water Lily" (MacDowell). H.M. Coldstream Guards Band, "Wedding of the Rose" (Jessel).

6.13: New Symphony Orchestra, "Scenes de Ballet" Op. 52 (Glazounoff): "Preamble," "Marionettes," "Scherzino," "Danse Orientale," "Mazurka," "Pas de Action," "Valse," and "Polonaise."

6.37: Organ, Jesse Crawford, "Indian Love Call" (Friml). New Symphony Orchestra, "Londonderry Air" (arr. Grainger). The Victor Olaf Sextet, (a) "To a Wild Rose"; (b) "In Autumn" (MacDowell). Organ, Jesse Crawford, "Serenade" (Friml).

6.51: New Symphony Orchestra, "Air on G String" (Bach). New York Symphony Orchestra, "Entrance of the Little Fauns" (Pierne).

7.0: News and reports.

7.35: Music Lovers' Competition, Series No. 8.

Concert Programme.

8.0: Selection, Bournemouth Municipal Orchestra, "Don Giovanni" (Mozart).

8.8: Tenor, Hubert Eisdell, (a) "Go, Lovely Rose"; (b) "Take, O Take Those Lips Away"; (c) "Hey, Ho, the Wind and the Rain" (all by Quilter).

8.14: Selection, Columbia Symphony Orchestra, (a) "Al Fresco"; (b) "Badinage" (both by Herbert).

8.20: Humour, Norman Long, (a) "What Did the Village Blacksmith Say?" (Henry); (b) "Overture 1929" (Carlton).

8.26: Chorus, Floyd Turner and His Home Towners, (a) "Little Brown Jug"; (b) "Ida Red" (both Trötl).

8.31: Violin and Cello, Fritz and Hugo Kreisler, (a) "Syncopation"; (b) "Marche Miniature Viennoise" (both by Kreisler).

8.36: Selection, B.B.C. Wireless Military Band, (a) "Le Reve Passe" (Krier); (b) "Hungarian Dance" ("From Foreign Parts") (Moszkowski).

8.44: Soprano, Dusolina Giannini, (a) "Margaret at the Spinning Wheel"; (b) "Impatience" (both by Schubert).

8.51: Organ, Dr. Albert Schweitzer, "Fugue and Finale from Sonata No. 6" (Mendelssohn).

9.0: Weather report and notices.

9.2: Talk, G. C. Billing, "Geographical Aspects of World Power" (Third of Series).

9.17: Oriental Fantasy, Ketelbey's Concert Orchestra, "In a Chinese Temple Garden" (Ketelbey).

9.25: Selection, Zonophone Salon Orchestra, "Mighty Lak a Rose" (Nevin); "Love's Garden of Roses" (Wood).

9.31: Choral, Royal Choral Society, "The Mastersingers" (Wagner).

9.36: Selection, Columbia Symphony Orchestra, "Sarf Dance" (Chaminade).

9.39: Contralto, Sigrid Onegin, (a) "Sapphic Ode"; (b) "In the Churchyard" (both by Brahms).

9.45: Suite, Royal Opera Orchestra, "Peer Gynt Suite" (Greig), (1) "Anitra's Dance," (2) "In the Hall of the Mountain King."

9.52: Violin, Yelly d'Aranyi, "Souvenir" (Rrdla).

9.55: Chorus, Light Opera Company, "Mister Cinders" (Ellis).

2YB NEW PLYMOUTH. 1230 kc.
Monday, 2.

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

Tuesday
[May 3.]**1YA AUCKLAND.** 902 kc.
Tuesday, 3.

3.0: Selected recordings, and Literary Selection.

4.30: Sports results.

5.0: Children, by "Uncle Dave."

Dinner Session.

6.0: National Symphony Orchestra, "William Tell—Overture" (Rossini). International Novelty Orchestra, "Carmen Sylva" Waltz (Ivanovici). Organ, Chas. W. Saxby, F.R.C.O., (a) "Spring Song"; (b) "Bee's Wedding" (Mendelssohn).

6.20: Marek Weber and His Orchestra, "From Mozart's Treasure Trove"—Fantasie (Urbach). The Band of H.M. Coldstream Guards, "Floradora" Selection (Stuart). La Francisco Symphony Orchestra, "Liebeslied" (Kreisler).

6.39: New Mayfair Orchestra, "Wake Up and Dream" Selections (Porter). International Novelty Orchestra, "Eva" Waltzes (Lehar). Organ, Charles W. Saxby, F.R.C.O., "Les Millions D'Arlequin" Serenade (Drigo).

6.51: De Groot and His Orchestra, "The Merry Widow" Selection (Lehar).

7.0: News and reports.

7.35: Music Lovers' Competition (ninth series).

Programme of Recordings.

8.0: Berlin State Opera House Orchestra, "The Barber of Seville" (Rossini).

8.9: Piano, Raie da Costa, (a) "I Found You" (Connolly); (b) "When the Circus Comes to Town" (De Rance).

8.15: Layton and Johnstone, (a) "Just a Dancing Sweetheart" (De Rose); (b) "Wrap Your Troubles in Dreams" (Baris).

8.21: The Bournemouth Municipal Orchestra, (a) "The Merry Brothers"; (b) "Echoes of the Valley" (both by Gennin).

8.29: Baritone, Gerhard Husch, (a) "Creation's Hymn" (Beethoven); (b) "The Two Grenadiers" (Schumann).

8.35: Violin, Tossy Spivakovsky, "Sarabande" (Mouret).

8.49: Comedian, Reg. Grant, "Why Did I Leave My Little Back Room?" (Carter).

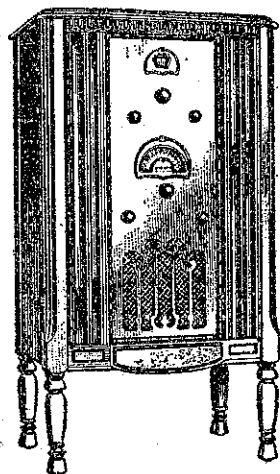
8.52: Philadelphia Symphony Orchestra, "Invitation to the Waltz" (Weber).

9.0: Weather forecast and notices.

9.2: Talk, Captain F. H. Billington, "Argentina."

9.22: Albert W. Ketelbey's Concert Orchestra, "Cockney Suite" (a) A State Procession; (b) The Cockney Lover; (c) At the Palais de Dance; (d) Plegy (Ketelbey).

9.38: Soprano, Gertrude Johnson, (a) "Jewel Song" (Gounod); (b) "Waltz Song" (German).



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9.44: Debroy Somers Band, "Community Medley" (arr. Somers).
 9.48: Wish Wynne, (a) "Bluebeard"; (b) "An Embankment Impression" (both by Wynne).
 9.54: Vienna Philharmonic Orchestra, "Dorfschwalben" (Strauss).

2YA WELLINGTON. 720 kc.
 Tuesday, 3.

10.0: Selected recordings.
 11.12: Lecturette, : Fabrics and fashions."
 12.0: Lunch music.
 2.0: Educational session.
 3.0: Selected recordings.
 3.30 and 4.30: Sports results.
 5.0: Children, by "Jumbo."

Dinner Music.

6.0: Berlin State Opera House Orchestra, "The Magic Flute—Overture" (Mozart). Sandor Joszi Orchestra, "Polo" (Petras). Berlin State Opera House Orchestra, "Slavonic Dances Nos. 1 and 2" (Dvorak).

6.22: Frank Westfield's Orchestra, "Our Miss Gibbs—Selection" (Monckton). Dajos Bela Orchestra, "Voices of Spring" (Strauss). Major Bowes's Capitol Theatre Trio, "Pale Moon" (Logan). Orchestra Opera Comique, Paris, "Manon—Ballet Music" (Masse-net).

6.38: Berlin State Opera House Orchestra, "From Foreign Parts"—"Spain" and "Hungary" (Moszkowski). Major Bowes's Capitol Theatre Trio, "My Isle of Golden Dreams" (Blaufuss).

6.46: Sandor Joszi Orchestra, "Marianette's Wedding March" (Rathie). Frank Westfield's Orchestra, "The New Sullivan Selection."

6.55: Dajos Bela Orchestra, "Wiener Blut" (Strauss).

7.0: News and reports.
 7.40: Lecturette, Representative, Agricultural Department, "For the Man on the Land."

Concert Programme.

8.0: One Hour of Cheery Chatter and Melodious Melodies by the Six Cheery Chappies, assisted by the Salon Orchestra (Conductor, Mr. M. T. Dixon).

Programme arranged by Doug. Stark.
 9.0: Weather forecast and notices.
 9.2: Lecturette, H. F. von Haast, "London and its Landmarks."

9.17: Reverie, Salon Orchestra, "Visions" (Tschaiakowsky); Novelty, "Danse des Sabots" (Cous).

9.27: Quartets, The Lyric Quartette, (a) "Calm as the Sea" (Pfiel); (b) "As the Moments Roll" (Webbe).

9.33: Recording (Humour), Harry Lauder, (a) "I'm Looking For a Bonny

Lass to Love Me"; (b) "Love Makes the World a Merry-go-Round" (both by Lauder).

9.39: Selection, Salon Orchestra, "Girl on the Train" (Fall).

9.49: Quartets, The Lyric Quartette, (a) "Doctor Forster"; (b) "Humpty Dumpty" (both by Hughes).

9.55: Instrumental, Salon Orchestra, Latest Dance Novelties.

3YA CHRISTCHURCH. 980 kc.
 Tuesday, 3.

SILENT DAY.

4YA DUNEDIN. 650 kc.
 Tuesday, 3.

3.0: Selected recordings.
 4.30: Sports results.



Albert Gibbons Taylor

Bass-baritone, who will present a varied selection of songs from 1YA on May 6.
 —S. P. Andrew, photo.

5.0: Children, by Wendy and Aunt Leonore.

Dinner Music.

6.0: Milan Symphony Orchestra, "Masaniello Overture" (Auber). Symphony Orchestra, "Artist's Life" (Strauss). Organ, Stanley Macdonald, "The Rosary" (Nevin). Kirilloff's Balalaika Orchestra, "Medley of Old Time Songs."

6.20: Willem Mengelberg and His Concertgebouw Orchestra, "Slavonic Dance in G Minor" (Dvorak). Musical Art Quartet, "To a Wild Rose" (Mcdowell). Piccadilly Orchestra, "Souvenir di Capri" (Becce). Jacques Jacobs' Ensemble, "España Waltz" (Waldteufel). Columbia Symphony Orchestra, "The Flatterer" (Chaminade).

6.37: Venetian Players' String Quartet, "Romanza" (Mozart, arr. Sear). Dajos Bela String Orchestra, "Gold-dregon" (Waldteufel). Organ, Stanley Macdonald, "La Rosita" (Dupont). Columbia Symphony Orchestra, "March of the Toys" (Herbert).

6.50: Musical Art Quartet, "Mighty Lak a Rose" (Nevin). Jacques Jacobs' Ensemble, "L'Estudiantina" Waltz (Waldteufel).

7.0: News and reports.
 7.30: W.E.A. session, Dr. A. G. B. Fisher, "What I Saw in Russia" (second of series).

Concert Programme.

8.0: Thirty minutes of Selected Recordings.

8.30: Concert by the Artillery Band and 4YA Artists. Conductor, H. F. Davey.

March, The Band, "The Aide-de-Camp" (Blankenburg).

Waltz, The Band, "Red Roses" (Greenwood).

8.38: Soprano, Freda Elmes, (a) "Love's a Merchant" (Carew); (b) "My Heart Ever Faithful" (Bach).

8.45: Selection, The Band, "The Gondoliers" (Sullivan).

8.53: Recording, Zonophone Light Opera Company, "The Geisha" (Jones).

9.0: Weather forecast and notices.

9.2: Fantasia, The Band, "Brudder Gardner's Picnic" (Rollinson).

9.10: Tenor, Geo. Crawford, (a) "Killarney" (Balfe); (b) "Angels Guard Thee" (Godard).

9.17: Recording, Grimshaw's Banjo Quartet, (a) "Darktown Dandies" (Morley); (b) "Snatches of Song" (Grimshaw).

9.23: Soprano, Freda Elmes, (a) "As Through the Street" (Puccini); (b) "Lovely Spring" (Coaman).

9.30: Tango, The Band, "Mexican Serenade" (Gonzalez).

9.37: Recording, Light Opera Company, (a) "The Love Parade" (Grey); (b) "Sunnyside Up" (de Sylva).

9.45: Selection, The Band, "Eyes of Blue" (Rimmer).

9.52: Tenor, Geo. Crawford, (a) "McGregor's Gathering" (Lee); (b) "Hushed is My Lute" (Phillips).

9.58: March, The Band, "Back to Camp" (Blankenburg).

Wednesday [May 4.]

1YA AUCKLAND. 902 kc.
 Wednesday, 4.

3.0: Selected recordings, and Literary Selection.

4.30: Sports results.

5.0: Children, by "Uncle Reg."

Dinner Music.

6.0: London Theatre Orchestra, "Fred-erica—Selection" (Lehar). New Queen's Hall Light Orchestra, "Summer Day's Suite" (Coates). (1) "In a Country Lane"; (2) "On the Edge of the Lake"; (3) "At the Dance." Albert Sandler and His Orchestra, "Salut D'Amour" (Elgar). New Concert Orchestra, "Nights of Fragrance—Waltz" (Ziehrer).

6.26: New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor), "La Caprice De Nanette"; "Demande et Response"; "Un Sonnet D'Amour"; and "La Tarantelle Pretilante." New Queen's Hall Light Orchestra, "Wood Nymphs—Valse" (Coates). J. H. Squire Celeste Octet, "Putting the Clock Back" (arr. Squire).

6.52: Albert Sandler and His Orchestra, "For You Alone" (Geehl). New Concert Orchestra, "Vienna Maidens' Waltz" (Ziehrer).

7.0: News and reports.

7.30: W.E.A. session: Rev. W. Jellie, "Robert Bridges—The Testament of Beauty."

Concert Programme.

8.0: Thirty Minutes of Selected Recordings.

8.30: Vocal and piano, Berta Carr and

Maida Hooker, (a) "Evening"; (b) "Novallette" (both by Schumann); (c) "So We'll Go No More a-Roving" (White); (d) "Tell Me, Nightingale" (Lehmann).

8.43: Recording (cello), Gaspar Cas-sado, "Butterflies" (Harty).

8.46: Talk, A. B. Chappell, M.A., "By-ways of New Zealand Story."

9.0: Weather forecast and notices.

9.2: Recording, Berlin Philharmonic Orchestra, "Carnaval Romain" (Berlioz).

9.10: Tenor, Arthur H. Ripley, (a) "Just A-Wearying For You"; (b) "Des Hold My Hands" (both by Bond); (c) "The Barefoot Trail" (Wiggers); (d) "Duna" (McGill).

9.21: Recording, Vienna Philharmonic Orchestra, "Hungarian Dance" (Brahms).

9.24: Vocal and piano, Berta Carr and Maida Hooker, (a) "Why?"; (b) "Dream Visions" (both by Schumann); (c) "My Heart is Like a Singing Bird" (Parry).

9.31: Relay of dance music from the Peter Pan Cabaret.

2YA WELLINGTON. 720 kc.
 Wednesday, 4.

10.0: Selected recordings.

11.37: Lecturette — "Hollywood Affairs."

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by Aunt Daisy.

Dinner Music.

6.0: New Queen's Hall Light Orchestra, "The Little Minister"—Overture (Mac-kenzie). J. H. Squire's Celeste Octet, "Serenade (Titl). Symphony Orchestra, "Doctrinen"—Waltz (Strauss). H.M. Grenadier Guards Band, "Martial Moments"—March Medley (arr. Winter).

6.24: Plaza Theatre Orchestra, "The Three Bears" (Coates). "The Busy Bee" (Bendix). "My Lady Dainty" (Hesse).

Herman Finck and His Orchestra, "Old and New Pot-pourri of Popular Melodies" (arr. Finck).

6.49: J. H. Squire's Celeste Octet, "La Serenata" (Braga). Symphony Orchestra, "When the Lemons Bloom"—Waltz (Strauss).

7.0: News and reports.

7.35: Music Lovers' Competition, Ninth Series.

Programme of Recordings.

8.1: Selection, Jean Gilbert's Scala Orchestra, "Strolling Through Jean Gilbert's Hits" (Gilbert).

8.10: Vocal duet, Lotte Schone and Willy Domgraf-Fassbender, "My Part I'll Play" (Donizetti).

8.18: Oboe, Leon Goossens, (a) "Piece" (Faure); (b) "Londonderry Air" (arr. Kreisler).

8.24: Debroy Somers Band, "Review of Revues."

8.32: Organ, Quentin M. Maclean, (a) "Serenade" (Heykens); (b) "The Song of Songs" (Moya).

8.38: Bass, Paul Robeson, (a) "Rockin' Chair" (Carmichael); (b) "River Stay Way from My Door" (Woods).

8.44: Selection, Sydney Baynes and His Orchestra, "Old England" (arr. Baynes).

8.48: Humorous Sketch, Tommy Handley and Company, "The Dis-Orderly Room" (Blore).

8.56: Flute, John Amadio, "Konzert-stuck-Finale" (Hoffman).

9.0: Weather forecast and notices.

9.2: Lecturette, Dr. Guy H. Scholefield, O.B.E.

9.17: Selection, De Groot and The New

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Victoria Orchestra, "Other Days" (arr. Finck).

9.25: Soprano, Miriam Licette, "Philomel" (Messenger).

9.28: Pianoforte, Herschel Henlere, "Tinkering With Home Sweet Home."

9.34: Vocal Quartet, The Big Four, (a) "Jolly Good Company"; (b) "It Always Starts to Rain" (both by Wallace).

9.40: Selection, Sydney Baynes and His Orchestra, "Kentucky Home" (arr. Baynes).

9.44: Tenor, Beniamino Gigli, "The Lost Chord" (Sullivan).

9.48: Instrumental, Novelty Orchestra, (a) "Passion Rose" (Lehar); (b) "Midnight Bells" (Heuberger).

9.54: Contralto, Essie Ackland, "Five Little Piccaninies" (Anthony).

9.57: Band, Sousa's Band, "Golden Jubilee" (Sousa).

3YA CHRISTCHURCH. 980 kc.
Wednesday, 4.

3.0: Gramophone recital.

4.30: Sports results.

5.0: Children, Cousin Beatrice.

Dinner Music.

6.0: National Symphony Orchestra, "Orpheus in Hades"—Overture (Offenbach). Royal Opera Orchestra, Covent Garden, "The Sleeping Beauty"—Waltz (Tchaikowsky). Trio, Fritz and Hugo Kreisler, Michael Rauchs, "Sanctissima" (Corelli-Kreisler). The Savoy Orpheans, "Lido Lady"—Selection (Rodgers).

6.25: The Band of H.M. Coastguard, "H.M.S. Pinafore"—Selection (Sullivan). Philadelphia Symphony Orchestra, "Danse Orientale" (Glazounoff). Modern Dance Players, "Amoretten Tanze" (Gungl).

6.30: Royal Opera Orchestra, Covent Garden, "Hungarian Dance No. 5 in F Sharp Minor" (Brahms). Philadelphia Symphony Orchestra, "March of the Caucasian Chief" (Iwanoff).

6.45: Trio, Fritz and Hugo Kreisler, Michael Rauchs, "Arlesienne Intermezzo" (Bizet, arr. Kreisler). Marek Weber and His Orchestra, "Vienna by Night" (Komaz).

7.0: News and reports.

7.10: Talk, E. B. Wiltshire, Vice-President of Linwood Library, "Books of the Month."

Concert Programme.

8.0: Studio Orchestra (Conductor, Harold Beck), (a) "Priest's March" (Mendelssohn); (b) "Don Giovanni"—Overture (Mozart).

8.9: Recording, Giordini and Badini, "In a Coupe" (Puccini).

8.17: Recording, Violin, Fritz Kreisler, "Fair Rosemary" (Kreisler).

8.20: Mezzo-soprano, Lucy Fullwood, "The Tryst" (Sibelius).

8.24: Piano, Phyllis Kinniburgh, "Rhapsody G Minor" (Brahms).

8.29: Selection, Studio Orchestra, "Faust" (Gounod).

8.42: Baritone, Lawrence A. North, "Prologue" (Leoncavallo).

8.47: Recording, 'Cello, Hans Bottermund, "Adagio" (Haydn).

8.53: Mezzo-soprano, Lucy Fullwood, (a) "Soft Footed Snow" (Sigurd Lie); (b) "The Peach Flower" (Bantock).

8.59: Dance, Studio Orchestra, "Cuban Dance" (Cervantes).

9.2: Weather forecast and notices.

9.4: Recording, Vocal, Torri, Vitulli, Giordini, Badini, "Good-bye to Sweet Awakenings" (Puccini).

9.8: Piano, Phyllis Kinniburgh, "Pre-lude in G Sharp Minor" (Rachmaninoff).

9.12: Baritone, Lawrence A. North, (a)

"A Garden is a Lovesome Thing" (Del Riego); (b) "My Abode" (Schubert).

9.19: Suite, Studio Orchestra, "Gressen-hall Suite" (Cunningham Woods); (b) "Preamble"; (c) "A Norfolk Folk Tune"; (c) "Slow Air"; (d) "Jig and Finale."

9.30: Dance music.

4YA DUNEDIN. 650 kc.
Wednesday, 4.

3.0: Selected recordings.

3.15: Talk, Prepared by the Home Science Extension Department of Otago University, "Kitchen Equipment Which Will Help."

4.30: Sports results.

5.0: Children, by Big Brother Bill.

Dinner Music.

6.0: Bournemouth Municipal Orchestra, "Crown Diamonds—Overture" (Auber). Dajos Bela Orchestra, "Viennese Life"—Waltz (Translatour). Regimental Band of H.M. Grenadier Guards, "The Turkish Patrol" (Michaelis).

6.13: Organ, Terence Casey, "Bird Songs at Eventide" (Coates). Grand Symphony Orchestra, "Tales of Hoffman—Entr'acte and Minuet" (Offenbach). Berlin State Opera House Orchestra, "Wine, Women and Song" Waltz (Strauss).

6.27: Dajos Bela Orchestra, "Serenade" (Moszkowski). Regimental Band of H.M. Grenadier Guards, "The Smithy in the Woods" (Michaelis). Orchestra Mascotte, "Amoureuse"—Waltz ((Berger). Grand Symphony Orchestra, "Tales of Hoffman—Barcarolle" (Offenbach). "Fra Diavolo" Overture (Auber).

6.48: Organ—Terence Casey, "I'm Lonely" (Coates). Dajos Bela Orchestra, "Ideale" (Tosti). H.M. Grenadier Guards' Band, "Country Dance" (German).

7.0: News and reports.

7.40: Talk, R. S. Johnson, Boys' Work Director, Y.M.C.A., "The Boy and the Home."

Concert Programme.

8.0: Programme in Commemoration of the Bi-Centenary of the Birth of Haydn. Selections from the works of Haydn presented by G. W. Johnstone and 4YA Artists.

Recording, Elman String Quartet, Theme from "The Emperor" Quartet.

8.4: Talk, G. W. Johnstone, "Haydn and His Work."

8.21: Baritone, G. W. Johnstone, "Rolling in Foaming Billows."

8.27: Recording, Halle Orchestra, "Excerpts from Symphony in D."

8.42: Contralto, Beatrice Sproston, "Spirit Song."

8.47: Recording ('cello), G. Suggia, "Excerpts from Violoncello Concerto in D."

8.57: Soprano, Phoebe Melrose, "With Verdure Glad."

9.0: Weather forecast and notices.

9.2: Recording (String Quartet), Flonzaley Quartet, "Excerpts from Quartet in G."

9.10: Baritone, G. W. Johnstone, "Now Heaven in Fullest Glory."

9.17: Recording (violin), Mischa Elman, "Minuet in D."

9.20: Soprano, Phoebe Melrose, "My Mother Bids Me Bind My Hair."

9.25: Recording, Trio, Thibaud Casals and Cortot, "Excerpts from Trio in G."

9.28: Baritone, G. W. Johnstone, "She Never Told Her Love."

9.30: Dance music.

2YB NEW PLYMOUTH. 1230 kc.
Wednesday, 4.

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

Thursday
[May 5.]

1YA AUCKLAND. 902 kc.
Thursday, 5.

12.15: Selected recordings.

12.30: Relay of Mid-day Service from St. Matthew's Church.

3.0: Selected recordings.

3.15: Home Science Talk, prepared by the Home Science Extension Service of Otago University.

4.30: Sports results.

5.0: Children, by "Skipper."

Dinner Music.

6.0: Victor Olaf Salon Orchestra, "Grieg Selection" (arr. Urbach). Dajos Bela Orchestra, "Kaiser Waltz" (Strauss). Frank Westfield's Orchestra, "The Belle of New York" Selection (Kerker).

6.18: Grand Symphony Orchestra, "Chinese Street Serenade" (Siede). Pavilion Lescaut Orchestra, "Oh! Miss Greta"—Tango (Flossas). Berlin State Opera House Orchestra, "Praeludium" (Jarnefeldt). Dajos Bela Orchestra, "The Three Waltz Kings" (Strauss and Sons).

6.35: Edith Lorand Orchestra, "Tales of Hoffman—Fantasia" (Offenbach). Dajos Bela Orchestra, "Narcissus" (Nevin).

6.44: Frank Westfield's Orchestra, "Lilac Time—Selection" (Schubert-Berte). Pavilion Lescaut Orchestra, "Drink Brother Drink—Waltz" (Bendix). Grand Symphony Orchestra, "Japanese Lantern Dance" (Yoshitomo).

7.0: News and reports.

7.30: W.E.A. session: H. Hollinrake, Mus. Bac., "The Modern Orchestra and Its Instruments: Percussion."

Concert Programme

8.0: Relay from Lewis Eady Hall of Aeolian Orchestral Concert, under Gerald T. Lee's conductorship.

March, The Orchestra, "Sons of the Brave" (Bidgood).

Overture, The Orchestra, "The Bohemian Girl" (Balfe).

Soprano, Zona Blade, "One Fine Day" (Puccini).

Selection, The Orchestra, "Coppelia Ballet" (Delibes).

Violin, Neville Walker, "La Capricciosa" (Ries).

Morceau, The Orchestra, "Rocking and Waiting" (Horne).

Baritone, Harry Barton, "Kashmiri Song" (Woodforde-Finden).

The Orchestra, "Symphony in G Major" (Haydn).

Weather forecast and notices.

Selection, The Orchestra, "Songs of the Hebrides" (Fraser-Baynes).

Soprano, Zona Blade, (a) "Nay, Tho My Heart Should Break" (Tchaikowsky); (b) "Love, I Have Won You" (Ronald).

The Orchestra, "Two Waltzes" (Brahms).

Baritone, Harry Barton, "The Late Player" (Allitsen).

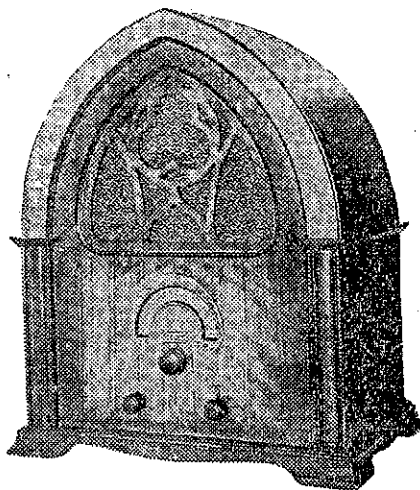
Selection, The Orchestra, "Russet and Gold" (Sanderson-Barnes).

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March, "War March of the Priests" (Mendelssohn).

2YA WELLINGTON. 720 kc. Thursday, 5.

- 10.0: Chimes. Selected recordings.
10.45: Lecturette, "Cooking."
11.37: Lecturette, Representative, Health Department, "Health Hints."
12.0: Lunch music.
2.0: Selected recordings.
3.15: Lecturette, Miss I. F. Meadows, "Half the Battle—A Well-groomed Appearance." Talk prepared by the Home Science Extension Department of the Otago University.
3.30 and 4.30: Sports results.
5.0: Children, by Uncle George and Big Brother Jack.

Dinner Music.

- 6.0: Royal Opera Orchestra, "Sylvia Ballet—Pizzicato and Procession of Bacchus" (Delibes). New Light Symphony Orchestra, "Spanish Dance No. 1" (Moszkowski). John Barbirolli's Chamber Orchestra, "A Little Night Music"—Serenade (Mozart).
6.24: Royal Opera Orchestra, "The Sleeping Beauty"—Panorama (Tschai-kowsky). Marek Weber and His Orchestra, "The Beggar Student" Selection (Millocker).
6.30: H.M. Coldstream Guards, "La Fille de Madame Angot" Selection (Lecocq). New Light Symphony Orchestra, "Spanish Serenade" (Bizet). Marek Weber and His Orchestra, "Faust" Selection (Gounod, arr. Weber).
6.54: Royal Opera Orchestra, "Shepherd Fennel's Dance" (Balfour Gardiner).
7.0: News and reports.
7.30: W.E.A. Session, G. W. von Zedlitz, M.A., "The Pleasures of Reading—Biography and History."

Concert Programme.

- 8.0: Relay from the Town Hall of concert by the Wellington Symphony Orchestra, under the Conductorship of Leon de Mauny. Overture, "Don Giovanni" (Mozart). Symphony, "Symphony No. 7 in C Major" (Schubert). Weather forecast and notices. Solo, Pianoforte, Paul Vinogradoff, "Second Concerto for Piano-forte and Orchestra in C Minor," Op. 18 (Rachmaninoff). Bass, Signor Lucien, Cesaroni, (a) "To the Sun" (Slonov); (b) "Serenade" (Tschai-kowsky); (c) "The Song of the Flea" (Moussorgsky). "Capriccio Espagnol" Op. 34 (Rimsky-Korsakov).

3YA CHRISTCHURCH. 980 kc. Thursday, 5.

- 3.0: Gramophone recital.
3.15: Home Science Talk, prepared by the Home Science Extension Service, Otago University, "Half the Battle—A Well-groomed Appearance."
4.30: Sports results.
5.0: Children's hour.

Dinner Music.

- 6.0: Grand Symphony Orchestra, "Raymond Overture" (Thomas). The Royal Music Makers, "Kiss Me Again" Waltz (Herbert). Victor Olaf Sextet, "Cherry Ripe" (Scott). Frank Westfield's Orchestra, "The Druid's Prayer" Waltz (Davson). Dajos Bela Orchestra, "Electric Girl" (Holmes).
6.20: The Grenadiers—Waltz" (Waldteufel). Covent Garden Orchestra, "Ballet Russe" (Luigini). "Mazurka" and "Marche Russe." Dajos Bela Orchestra, "Pique Dame" Fantasia (Tschai-kowsky).

6.38: Frank Westfield's Orchestra, "Neapolitan Nights" Waltz. Orchestra of the Opera Comique, Paris, "Ballet Egyptian" (Luigini). The Royal Music Makers, "Ah! Sweet Mystery of Life" (Herbert).

6.50: Dajos Bela Orchestra, "Eldgaf-feln" (Landen). "Casino Tanze" Waltz (Gungl).

7.0: News and reports.
7.20: Review of Journal of Agriculture.
7.35: Music Lovers' Competition 9th Series).

Programme of Recordings.

- 8.0: Berlin State Orchestra, "Schwanda, the Bagpipe Player" (Weinberger).
8.8: Baritone, Michael Bohnen, "With-in This Hallowed Dwelling" (Mozart).
8.12: Waltz, Meximarimba Band, "Caurtesana" (Courtesan).
8.15: Comedian, Vernon Watson, (a) "A Fallen Star" (Chevalier); (b) "My Old Dutch" (Ingle).
8.19: March, Brunswick Concert Orchestra, "March of the Tin Soldiers" (Pierne).
8.22: Soprano, Lette Lehmann, "Stay! Golden Hour" (Jensen).
8.26: Instrumental, Dajos Bela Orchestra, "Electric Girl" (Holmes).
8.30: Humour, John Henry and Gladys Horridge, "Captain Cook Discovers Australia" (Henry).
8.36: Mitja Nikisch Orchestra, "Strauss Parody" (Eben).
8.44: Male Chorus, Famous Forty Elks Chorus, "Sylvia" (Speaks).
8.47: Piano, Leslie Hutchinson, "O Kay, Baby" (Pinkard).



Berta Carr

An Auckland mezzo-soprano, who, with Maida Hooper, will present vocal and piano items from 1YA on Wednesday, May 4.

—S. P. Andrew photo.

- 8.50: Baritone, Richard Bonelli, (a) "Indian Dawn" (Zamecnik); (b) "Because of You" (Solman).
8.56: Ball Room Dance Orchestra, "Paul Jones."
9.2: Weather forecast and notices.
9.4: Talk, W. M. Hamilton, "A Glimpse of Kurdistan."
9.19: Light Opera, Frank Westfield's Orchestra, "Our Miss Gibbs" (Monck-ton).
9.25: Descriptive Ballad, Ensemble, "The Death of Nelson" (Braham).

9.33: Light Opera Company, "The Vagabond King" (Friant).

9.37: A Love Story. At the Dance, "The Love Waltz" (Heyman). He sings, "You'll be Mine in Apple Blossom Time" (de Rose). The wedding, "Wedding Music." On the honeymoon, (a) "Night of Love" (Offenbach); (b) "Calm as the Night" (Goetze).

9.55: Overture, Sir Dan Godfrey's Orchestra, "Crown Diamonds" (Auber).

4YA DUNEDIN. 650 kc. Thursday, 5.

11.30: Results of Forbury Park Trotting Club's Winter Meeting.

Friday [May 6.]

1YA AUCKLAND. 902 kc. Friday, 6.

- 3.0: Selected Recordings, and Literary Selection.
4.30: Sports results.
5.0: Children, by "Nod" and "Aunt Jean."

Dinner Music.

- 6.0: London Theatre Orchestra, "A Country Girl—Selection" (Monckton). Organ, G. T. Pattman, "Cinderella—Waltz" (Pattman). Band of H.M. Grenadier Guards, "Ivanhoe—Selection" (Sullivan, arr. Godfrey). J. H. Squire Celeste Octet, "The Piccaninies' Picnic" (Squire). Ketelbey's Concert Orchestra, "Wedgewood Blue" (Ketelbey).
6.25: Orchestre de la Societe des Concerts du Conservatoire, Paris, "Le Rouet D'Omphale" (Saint-Saens). Organ, G. T. Pattman, "Alice, Where Art Thou?" (Traditional). London Theatre Orchestra, "Maid of the Mountains" Selection (Fraser-Simson).
6.44: J. H. Squire Celeste Octet, "Twilight on the Waters" (Squire). Ketelbey's Concert Orchestra, "The Clock and the Dresden Figures" (Ketelbey).
6.51: Regal Cinema Orchestra, "Show of Shows—Selection."
7.0: News and reports.
7.30: Sports talk.

Concert Programme.

- 8.0: Chimes. Recording, Military Band, "Martial Moments" (arr. Winter).
8.7: Bass-baritone, Albert Gibbons Taylor, (a) "Long Ago in Alcalá" (Messenger); (b) "The Song of the Wag-gone" (Smith).
8.13: Quartette, Regal Saxophone Quartet, (a) "That Saxophone Rag" (Brown); (b) "Invercargill March" (Lithgow); (c) "Pussy Foot" (White).
8.21: Recording, Gracie Fields and Archie Pitt, "Cute Little Flat" (Hack-forth).
8.24: March, 1YA Chamber Orchestra, under direction Harold Baxter, "Thin Red Line" (Alford); Overture, "Light Cavalry" (Suppe).
8.35: Humour, The Two Maes, Scottish Humour, Song and Story.
8.42: Recording (piano), Thomas Wal-ler, "Ain't Misbehavin'" (Razaf).
8.45: Tango, The Orchestra, "Enchant-ment" (Obique).
8.49: Contralto, Miss Eileen Miller, (a) "Three Fishers" (Hullah); (b) "Far Off I Hear a Lover's Flute" (Cadman).
8.55: Recording, John Henry and Gladys Horridge, "John Henry's Night Out" (Henry).

- 9.1: Weather forecast and notices.
9.3: Bass-baritone, Albert Gibbons Taylor, (a) "Up From Somerset" (Sanderson); (b) "Ould John Braddlem" (Johnston).
9.8: Quartette, Regal Saxophone Quar-tet, (a) "Allegro-di-Concert" (Singalee); (b) "Sax Appeal" (Shrigley).
9.15: Recording, The Merry-makers, (a) "Mine" (de Sylva); (b) "Blue Skies" (Berlin).
9.21: Suite, The Orchestra, "Gabrielle" (Rosse).
9.31: Humour, The Two Maes, "Scot-tish Humour, Song and Story."
9.38: Recording (violin), Albert Sam-mons, "Romance" (Svendsen).
9.44: Contralto, Eileen Miller, (a) "An Indian Lullaby" (Morgan); (b) "The Grey House" (Messenger).
9.50: Selection, The Orchestra, "Pat-i-ence" (Sullivan).

2YA WELLINGTON. 720 kc. Friday, 6.

- 10.0: Selected recordings.
11.12: Lecturette, "Fashions."
12.0: Lunch music.
2.0: Selected recordings.
3.30 and 4.30: Sports results.
5.0: Children, by Uncle Jim.

Dinner Music.

- 6.0: The Parlophone Salon Orchestra, "A Lover in Damascus" (Woodforde-Finden). Dajos Bela Orchestra, "Rus-sian Fantasia" (Lange). "Faust—Waltz" (Gounod).
6.15: Dajos Bela Orchestra, "I Pag-liacci—Selection" (Leoncavallo). Edith Lorand Orchestra, "Hedgeroses" (Le-har). Ernest Leggett London Octet, "Operatic Fantasia" (arr. Aldington).
6.34: Dajos Bela Orchestra, "The Swallows" Waltz (Strauss). La Argen-tina, Castanets, with Orchestra, "Dance No. 5" (Granados). Dajos Bela Orches-tra, "Fantasia Orientale" (Lange). "Viennese Waltz Potpourri" (Robrecht). La Argentina, Castanets with Orchestra, "La Corrida" (The Bull Fight) (Val-verde).
6.55: Edith Lorand Orchestra, "O Maiden, My Maiden" (Lehar).
7.0: News and reports.
7.40: Lecturette, Dan McKenzie, "The Laws of Rugby Football."

Concert Programme.

- 8.0: Thirty Minutes of Selected Re-cordings.
8.30: Overture, 2YA Orchestra (Conductor, Signor A. P. Truda). "Comique" (Keler Bela).
8.38: Tenor, Les Stapp, (a) "The Sea Bird" (Quilter); (b) "Red Devon by the Sea" (Clarke).
8.44: Recording (Humour), Flotsam and Jetsam, (a) "The Modern Diver"; (b) "P.C. Lamb" (Both by Flotsam and Jetsam).
8.50: Selection, 2YA Orchestra, "Madame Pompadour" (Fall).
9.0: Weather forecast and notices.
9.2: Novelty, Mister Ree, "Microphone Magic."
9.14: Tenor, Les Stapp, (a) "Before You Came" (Wilson); (b) "Kitty, My Love, Will You Marry Me" (Hughes).
9.20: Medley, 2YA Orchestra, "Old Favourites" (arr. Seredy).
9.30: Dance programme.

3YA CHRISTCHURCH. 980 kc. Friday, 6.

- 3.0: Gramophone recordings.
4.30: Sports results.

5.0: Children, by Uncle Jim.

Dinner Music.

6.0: Grand Symphony Orchestra, "Lustspiel Overture" (Kela Bela). Dajos Bela Orchestra, "Dynamiden"—Waltz (Strauss). Barnabas von Geezy and His Orchestra, "The Student Prince" Selection (Romberg).

6.15: Orchestra Mascotte, with Dajos Bela, "Whispering of the Flowers" (Von Blon). Grand Symphony Orchestra, "Suite Orientale." "The Bajaderes," "On the Shoes of the Ganges," "The Patrol" and "The Dancers" (Poppy).

6.32: Grand Symphony Orchestra, "The Land of Smiles"—Selection (Lehar). Dajos Bela Orchestra, "Be Embraced, Ye Millions"—Waltz (Strauss). Orchestra Mascotte, with Dajos Bela, "The Flower's Dream" (Translatour).

6.47: Grand Symphony Orchestra, "Naila"—Ballet Intermezzo (Delibes).

6.51: Dajos Bela Orchestra, "Mosaic"—Potpourri (Zimmer).

7.0: News and reports.

7.30: W.E.A. Session. M. J. Barnett, Supt. Christchurch City Reserves, "Horticulture."

Concert Programme.

8.0: Selection, Christchurch Salon Orchestra (Conductor, Francis Bate), "My Son John" (Strauss).

8.10: Recording, Russian State Choir, "Storm on the Volga" (Pastshenko).

8.18: Recording, Castlewood Marimba Band, "Blue Pacific Moonlight" (Herbert).

8.21: Mezzo-contralto, Miss Sen Jowett, (a) "Sylvian" (Ronald); (b) "Mignonne" (Wekerlin).

8.24: Piano, Gordon V. Anderson, (a) "Spinning Song" (Mendelssohn); (b) "Berceuse" (Ilyinski).

8.30: Thirty minutes of selected recordings.

9.0: Weather forecast and notices.

9.2: Suite, Salon Orchestra, Nautical Scenes: (a) "All Aboard", (b) "Sentinal Shanty" (c) "Forecastle Frolics" (Fletcher).

9.12: Bass, R. S. H. Buchanan, "The Demon King" (Marks).

9.15: Recording, Roosters Concert Party, "Y.M.C.A. Concert" (Merriman).

9.22: Recording, Joe Green's Marimba Band, (a) "Broken Dreams"; (b) "Down the Lane With You Again."

9.28: Mezzo-contralto, Mrs. Sen Jowett, (a) "Ye Banks and Braes (Traditional); (b) "Since First I Saw Your Face" (Ford); "A Yucha San."

9.32: Piano, Gordon V. Anderson, "A Bird of Paradise at a Waterfall" (Niemann).

9.36: Recording, Baritone and Contralto, Coleen Glen and Pat Brin, "She Was a Girl Called Angel Eyes" (Dobson).

9.39: Recording, National Military Band, "Christchurch Chimes" (Hare).

9.43: Baritone, R. S. H. Buchanan, (a) "By the Light of the Moon" (Loughborough); (b) "Keep On Keeping On" (Longstaffe).

9.49: Recording, The Maestros, "I Hear You Calling Me" (Marshall).

9.53: Intermezzo, Salon, Salon Orchestra, (a) "Praeludium" (Jarnefeldt); (b) "Serenata" (Moskowsky).

4YA DUNEDIN. 650 kc.
Friday, 6.

3.0: Selected recordings.

4.30: Sports results.

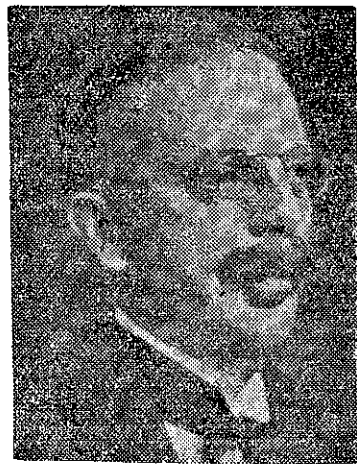
5.0: Children, by Aunt Sheila.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "The Barber of Seville" Overture



Paul Vinogradoff (pianist).



Leon de Mauny (violinist).

(Rossini). Dajos Bela Orchestra, "Woodland Peace" (Favilla). Opera Comique Orchestra, "Gopak" (Moussorgsky). Dajos Bela Orchestra, "Roses of the South" Waltz (Strauss).

6.15: Opera Comique Orchestra, "The Sorotchintsi Fair"—A Hot Day in Little Russia (Moussorgsky). Grand Symphony Orchestra, "Polonaise No. 1 in A" (Chopin). Debroy Somers Band, "The Desert Song" (Romberg). Barnabas van Geezy and His Orchestra, "Strauss Waltz Medley" (Strauss).

6.39: Berlin State Opera House Orchestra, "Aida" Selection (Verdi). Grand Symphony Orchestra, "Hungarian Dances Nos. 5 and 6" (Brahms). Dajos Bela Orchestra, "The Court Ball" (Lanner).

6.55: Dajos Bela Orchestra, "Vienna Bon Bons" Waltz (Strauss).

7.0: News and reports.

7.30: Talk, Lloyd Ross, M.A., Organiser of the W.E.A., "A Guide Through the Depression—The Agricultural Problem."

Concert Programme.

8.0: Chimes. Recording, Regal Cinema Orchestra, "Sally" (Kern).

8.8: Solos and Choruses, The Select Four. (a) "Bring Me a Rose"; (b) "The Girl With a Brogue" (both by Mouckton).

8.15: Saxophone, J. McCaw and His Melody Four, (a) "Parade of the Ele-

Vinogradoff de Mauny Cesaroni

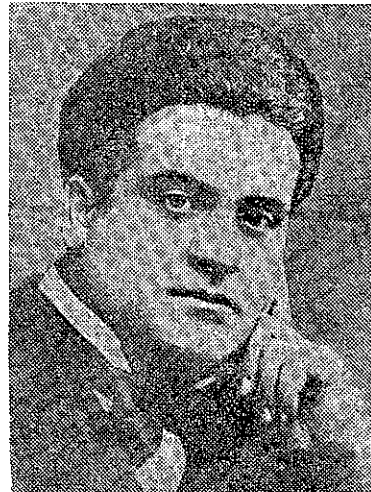
In a
Concert by

Wellington
Symphony
Orchestra

Under
Leon de Mauny

Town Hall, Thursday,
May 5.

Relayed by 2YA.



Lucien Cesaroni (bass).

Melody Four, (a) "Golden Sunset" (Alford); (b) "Hawaiian Butterfly" (Santly).

9.41: Solos and Choruses, (a) "Look for the Silver Lining"; (b) "If I'm Dreaming" (both by Kern).

9.48: Mouth-organs, The Premier Mouth-organ Sextette, "Selection of Plantation Melodies" (arr. Mowat).

9.54: Solos and Chorus, The Select Four, "My Hero"; "Thank the Lord the War is Over" (both by Strauss).

9.57: Recording, Chalk Farm Army Band, "Winnipeg Citadel" (Merriitt).

Saturday [May 7.]

1YA AUCKLAND. 902 kc.
Saturday, 7.

3.0: Selected Recordings, and Literary Selection.

4.30: Sports results.

5.0: Children, by "Cinderella."

Dinner Music.

6.0: Berlin State Opera House Orchestra, "Academic Festival—Overture" (Brahms). Victoria Orchestra, "La Serenata"—Waltz (Metra). Berlin State Opera House Orchestra, "Slavonic Dances, Nos. 8 and 16" (Dvorak).

6.20: Berlin State Opera House Orchestra, "Christmas Concerto" (Corelli).

6.35: Edith Lorand Orchestra, "Toreador and Andalouse" (Rubinstein). Berlin State Opera House Orchestra, "La Traviata"—Prelude (Verdi).

6.42: Dajos Bela Orchestra, "Strauss, the Waltz King at Home" (Weber). Victoria Orchestra, "Espanita Waltz" (Rosey). Edith Lorand Orchestra, "Minuet" (Boccherini).

7.0: News and reports.

Concert Programme.

8.0: Chimes. Recording, H.M. Grenadier Guards' Band, "Rigoletto" (Verdi).

8.7: Soprano, Reta MacCullay, (a) "Castles in the Air" (Ballantine); (b) "Hame o' Mine" (McKenzie).

8.13: Recording (Comedian) Reg. Grant, "At Trinity Church I Met My Doom" (Gilbert).

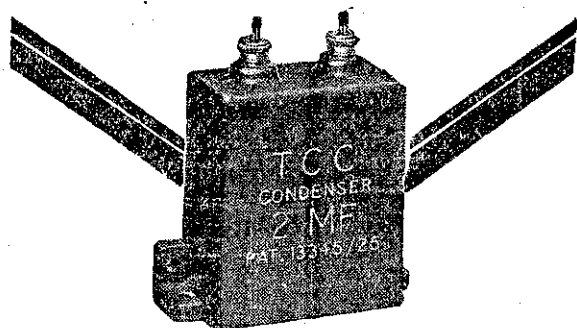
8.16: Trio, Mati Trio, (a) "Latest Hit"; (b) "Keep a Song in Your Heart" (Haines); (c) "My Isle of Golden Dreams" (Kaili).

8.23: March, 1YA Chamber Orchestra, under direction of Harold Baxter, "Light Horse" (Blon). Suite, "Casse Noisette" (Tschaiakowsky); (a) March; (b) Danse Chinoise; (c) Valse des Mirlitons; (d) Valse des Fleurs.

8.35: Baritone, Fred Baker, (a) "Border Ballad" (Cowan); (b) "The Wheel-tappers' Song" (Charles).

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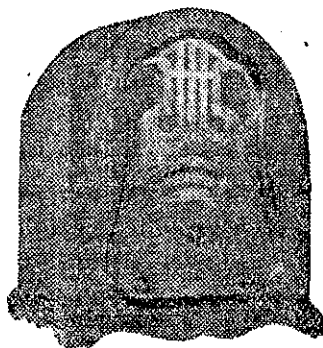
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WELLINGTON

Day and Night Service



- 8.41: Recording (piano), Leslie Hutchinson, "Close Your Eyes" (Tennent).
8.44: Soprano, Reta MacCullay, "Flower Song" (Gounod).
8.48: Recording, Light Opera Company, "Songs of the Past."
8.56: Waltz, The Orchestra, "Cupid's Dance" (Gungl).
9.1: Weather forecast and notices.
9.3: A Sea Story, Lee Fore Brace, "Yorkie."
9.23: The Orchestra, "A Coon's Patrol" (Lotter). Intermezzo, The Orchestra, "Caprice" (Squire).
9.31: Recording, London Male Voice Octet, (a) "Studies in Imitation" (arr. Hughes); (b) "The Keys of Heaven" (arr. Button).
9.38: Trio, Mati Trio, (a) "Laughing Rag" (Kaili); (b) "Sally" (Kern); (c) "Hear the Ukuleles A-Calling You Home" (Scott).
9.45: Recording (Comedian), Clarkson Rose, "Single and Married" (Rose).
9.48: Baritone, Fred Baker, (a) "Lighterman Tom" (Squire); (b) "Casey the Fiddler" (Wood).
9.54: Selection, The Orchestra, "More Melodious Memories" (Finck).
10.0: Sports summary.
10.10: Dance music.

2YA WELLINGTON. 720 kc.
Saturday, 7.

- 3.0: Selected recordings.
3.30 and 4.30: Sports results.
5.0: Children, by Aunt Molly and Uncle Jasper.

Dinner Music.

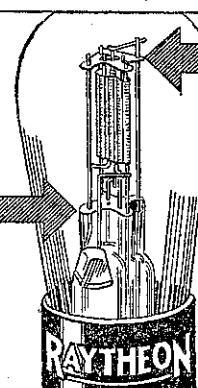
- 6.0: Johann Strauss and His Orchestra, "Radetzky March" (Strauss). Milan Symphony Orchestra, "Semiramide"—Overture (Rossini). Johann Strauss and His Orchestra, "Voices of Spring"—Waltz (Strauss). Berlin State Opera House Orchestra, "Schwanda, the Bagpipe Player" (Weinberger). Jean Lensen and His Orchestra, "Ideale" (Tosti, arr. Tavan).
6.27: J. H. Squire Celeste Octet, "Hungarian Dance in D" (Brahms). J. H. Squire Celeste Octet, "Memories of Mendelssohn." Plaza Theatre Orchestra, "Bal Masque—Valse Caprice" (Fletcher). Herman Finck's Orchestra, "Schubertiana" (arr. Finck).
6.48: Plaza Theatre Orchestra, "Pearl o' Mine" (Fletcher). Jean Lensen and His Orchestra, "Love's Last Day" (Benatsky).
6.53: J. H. Squire Celeste Octet, "Hungarian Dance in A Minor" (Brahms).
7.0: News and reports.
7.30: W.R.A. session: R. J. Waghorn, M.A., "The Earth and Man—Our Shrinking World."

Concert Programme.

- 8.0: Overture, Salon Orchestra (Conductor, M. T. Dixon), "Schone Galatea" (Suppe).
8.8: Contralto with Orchestra. Nora Green, (a) "The Hills of Donegal" (Sanderson); (b) "My Dearest Heart" (Sullivan).
8.14: Recording (xylophone), Franz Kruger, (a) "Tell Fantasia" (Kruger); (b) "La Kraquette" (Clerie).
8.20: Humour, Mr. and Mrs. G. C. Tollerton, "Radiotic Prattles" (Part 1).
8.27: Selection, Salon Orchestra, "Little Boy Blue" (Bereny).
8.37: Recording (bass), Malcolm Eachern, (a) "Sittin' Thinkin'" (Tempest); (b) "You Along o' Me" (Sanderson).
8.43: Novelty, Savoy Banjo Trio, (a)

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8.50: Descriptive, Salon Orchestra, "A Day in Naples" (Byng).
9.0: Weather forecast and notices.
9.2: Recording, Miriam Licette, Francis Russell, Clara Serena, Dennis Noble, Robert Carr and Chorus, with Orchestra, "Merrie England" Vocal Gems (German).
9.10: Humour, Mr. and Mrs. G. C. Tollerton, "Radiote Prattles" (Part 2).
9.17: Instrumental, Salon Orchestra, (a) "Minuetina" (Byford); (b) "In a Persian Market" (Ketelbey).
9.27: Contralto, with Orchestra, Nora Greene, (a) "My Ships" (Bennett); (b) "O Flower Divine" (Wood).
9.33: Novelty, Savoy Banjo Trio, (a) "Entry of the Gladiators" (Fueck); (b) "A Swanee Sing Song" (Grimshaw).
9.40: Recording, "A Miniature Concert."
9.48: Instrumental, Salon Orchestra, Latest Dance Novelties.
10.0: Sporting summary.
10.10: Dance programme.

3YA CHRISTCHURCH. 980 kc.
Saturday, 7.

3.0: Gramophone recital.
4.30: Sports results and close down.
5.0: Children, by Aunt Pat.

Dinner Music.

6.0: Marek Weber and His Orchestra, "Cavalleria Rusticana" Selection (Mascagni). International Concert Orchestra, "My Treasure—Waltz" (Becucci).
6.13: National Military Band, "Ballet Egyptian" (Luigini). The London Orchestra, "Valse Memories" (arr. Somers).
6.27: Zonophone Salon Orchestra, "Mighty Lak a Rose" (Nevin). Philadelphia Symphony Orchestra, "Casse Noisette (Nutcracker) Suite" (Tschikowsky), (a) "Miniature Overture," (b) "March," (c) "Dance of the Sugar Plum Fairy," (d) "Russian Dance," (e) "Arab Dance," (f) "Chinese Dance," (g) "Dance of the Flutes," (h) "Waltz of the Flowers."
6.56: International Concert Orchestra, "La Spagnola"—Waltz (Di Chiara). Zonophone Salon Orchestra, "Love's Garden of Roses" (Wood).
7.0: News and reports.
7.30: Sports results.

Concert Programme.

8.0: Relay of programme from 4YA, Dunedin.
10.0: Sports summary.
10.10: Dance music.

4YA DUNEDIN. 650 kc.
Saturday, 7.

11.30: Results of Forbury Park Trotting Club's Winter Meeting.
5.0: Children, by Aunt Anita.

Dinner Music.

6.0: Herman Finck and His Orchestra, "Melodious Memories" (arr. Finck), Parts 1 and 2. Continental Novelty Orchestra, "Las Lagarteranas" (Foulkes). Sir Henry J. Wood's Symphony Orchestra, "Prelude in C Sharp Minor" (Rachmaninoff, arr. Wood). J. H. Squire

Celeste Octet, "The Ant's Antics" (Squire).

6.17: Cordoba Philharmonic Orchestra, "Carnival" (Lucena). Regal Cinema Orchestra, "Viennese Nights—Waltzes Selection" (Romberg). Continental Novelty Orchestra, "Los Claveles de Sevilla" (Guerrero).

6.31: Sir Henry J. Wood's Symphony Orchestra, "Volga Boat Song" (arr. Wood). Cordoba Philharmonic Orchestra, "La Habanera" (Lucena). J. H. Squire Celeste Octet, "The Fly's Courtship" (Squire). Regal Orchestra, "Paggiacci" Selection (Leoncavallo).

6.50: Herman Finck and His Orchestra, "Melodious Memories" (arr. Finck) Parts 3 and 4.

7.0: News and reports.

8.0: Selection, Mons. de Rose and His Concert Orchestra, "The Evolution of Dixie" (Lake).

8.11: Soprano, Tui Salt, (a) "Whip-poor-will" (Kern); (b) "If You Look in Her Eyes" (Hursch).

8.17: Humour, H. McL. Eggers, "Comedy Sketches" (arr. Eggers).

8.24: Selection, The Orchestra (with descriptive remarks), "An American Abroad" (arr. Bratton).

8.38: Recording, Parlophone Musical Comedy Company, (a) "One Heavenly Night" (Brown); (b) "Viennese Nights" (Romberg).

8.46: Humour, Stan. Lawson and Company, "She May Be All That's Wonderful" (Wade).

9.0: Weather forecast and notices.

9.2: Selection, The Orchestra, (a) "Russian Rag" (Cobb); (b) "The Clock is Playing" (Blaauw).

9.9: Bass, R. B. Macdonald, "King Charles" (Whyte).

9.13: Xylophone, E. J. Andrews, "Softly, Unawares" (Lincke).

9.17: Selection, The Orchestra (with descriptive remarks), "A Trip to Britain" (Loesch).

9.28: Humour, H. McL. Eggers, "Comedy Sketches" (arr. Eggers).

9.36: Soprano, Tui Salt, "The Boy Guessed Right" (Monckton).

9.40: Selection, The Orchestra, "Home, Sweet Home, the World Over" (Lampe).

9.48: Bass, R. B. Macdonald, (a) "Stone Cracker John" (Coates); (b) "A Banjo Song" (Homer).

9.54: Selection, The Orchestra, "The Two Guitars" (Horlick).

10.0: Dance music.

2YB NEW PLYMOUTH. 1230 kc.
Saturday, 7.

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

ACCORDING to the U.S. Department of Commerce, there are 1423 broadcasting stations in the world. Of the seventy countries which now have broadcasting facilities, twenty nine allow broadcasting to be conducted by private enterprise, as in the United States, twenty make broadcasting a State monopoly, and two have combined private and public systems. Of the total number of stations, 617, or nearly half, are in the United States or its possessions.

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Questions and Answers

(Continued from page 10.)

pre stage to use two 247s in pushpull. At the most you should use the 171A class of valve in this pre-power stage. Generally speaking, the medium small power valves are quite satisfactory for this position. Your best plan would be to use an output transformer with a large number of variable taps, so that you may use the tap which best suits the combination.

S. W. FRIEND (Auckland): Please explain modulation, and unmodulated aerial power.

A.: For a full description of modulation, see the 1932 "Radio Guide." Modulation is that process by which the microphone current, which is sound waves turned into electric waves, is imposed on the high frequency current, generated by the transmitting station. This latter is the carrier wave, while the former are the carried waves. Unmodulated aerial power is the rating of the transmitter irrespective of modulation; that is, the output is the rating of the carrier wave of the station—that generated by the oscillators and associated apparatus.

2. Would a square or circular aerial be worth experimenting with?

A.: No; the directional effect of the average aerial is so small that it is not worth worrying about.

NEVA (Wellington): What length of brass tubing is required for the Hartley transmitter?

A.: Approximately 5½ feet.

CRONA (Napier): I recently coupled a pentode directly to my inductor dynamic speaker, and volume and tone were pleasing, but I read in the "Times" that it is not good for the speaker. I put an output transformer in the output lead, but had to de-couple the auxiliary grid and plate of the pentode to stop oscillation. The volume then dropped by half. What should I do?

A.: Apparently the impedance of the pentode and that of your inductor dynamic speaker—you do not say which one it is—more or less match. The best plan would be to incorporate an audio choke and a 4mf. blocking condenser in the output choke circuit in contrast to the output transformer circuit. The extra lead cannot be utilised except for valves in pushpull. See the "Radio Times" (May) for a fuller explanation.

CHARGER (West Coast): I wish to charge my wet "D" batteries in blocks of 45 volts from a 60 amperes dynamo. How could I break down the volts and amperes to suit my charging rate?

A.: You will require a rheostat of 1000 ohms that will pass 100 milliamps. Adjust this until you get the volts and amperes correct. Arrange your batteries in parallel blocks.

2. I erected a Beverage aerial, but find that it goes better without the earthed resistance in the end.

A.: This seems as though there is a leakage to earth in some part of the system, and the aerial is acting then only as an ordinary one. As far as your cable is concerned, "B—" is usually black, otherwise all right.

FISHERMAN'S luck is proverbial, but imitation is the order of the day. The chief Radio Engineer of Philips Lamp (N.Z.), Ltd., has received very interesting details of how radio is assisting the Norwegian herring fishermen. During the season a seaplane fitted with a transmitter scouts in regions where shoals are likely to be observed, and upon locating the fish a message is sent in to the waiting trawlers. The plane then scouts further afield and upon sighting another shoal forwards another message to other waiting vessels, and so the business proceeds. The herring season only lasts two months, and many seasons have been unprofitable owing to the fish escaping unseen. This last circumstance is now impossible, but what I want is a radio that will make the little beggars bite.

Half-Hours with the W.E.A.

THE following is the outline of Mr. Jellie's fourth talk, "The Testament of Bridges," to be broadcast from 1YA on Wednesday, May 4:—

1. Robert Bridges, Poet Laureate (1913-30), published "The Testament of Beauty," on his 85th birthday.

Picture the old man in his garden overlooking the city of Oxford, working at his last poetic will and testament. Having lived through the world's

The most important poetical work of our generation.

2. Its argument.

A question and an answer. The question: What are the Purpose and Destiny of Man, and what part does Beauty play therein? The answer is given in four books. Book one justifies the use of reason in the search for an answer, and traces the progress of human wisdom through the ages. Book two traces the working of the self-preserving instinct in humanity.

Book three deals with that other instinct by which Nature provides for the continuance of the race, and shows how, by association with the idea of beauty, it rises to supreme heights of spiritual love. In book four he traces the evolution of morality and religion, and shows how they culminate in a vision of love as the essence of the Divine Nature.

His conclusion is, that as man's life has been an evolution hitherto from humblest origins, so we have reason to hope that when mind and body are separated the evolution of spirit will go on, until it reaches a union of the human and divine in life everlasting; and that beauty is the divinely appointed guide by which mankind is directed in his wanderings to his true home in God.

THE following is the outline of Mr. Hollinrake's fourth talk on the Instruments of the Orchestra, to be broadcast on Thursday, May 5:—

Percussion instruments: Kettle-drums (timpani), sidedrum, cymbals, tambourine, castanets, glockenspiel, tubular bells, celesta; also the harp.

Each instrument described—its construction and appearance.

Sound of each instrument and its capabilities for use in the orchestra. Orchestral music demonstrating the use of percussion instruments by great composers.

"Radio Guide and Call Book"

Supplementary Service to Buyers

AT the time of printing the "N.Z. Radio Guide and Call Book" the details of certain New Zealand "B" stations, for one reason or another, were not fully available, and several stations were omitted. These were stations 1ZH, 2ZK, 3ZE, 3ZK, 4ZR, 2ZO, 2ZF, 1ZQ. The information desired is now in hand, and in order to give buyers of this "Guide and Call Book" the satisfaction of having a full list of these stations in the one publication we are having a slip printed giving the information, and will send this free on request to anyone who has bought a copy of the "Guide." "Guides" that leave our office after this will have this slip inserted, and copies will be made available to booksellers.

The May issue of the "N.Z. Radio Times" will also contain a full list of all N.Z. stations and hours of operation.

changes, 1850-1900, then through the war and its aftermath, he sums up his judgment on human life. An old man's wisdom.

1ZR Programmes

Friday, April 29.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15: "Mensama." "Numerology." 11.40: Popular music programme. 5 p.m.: Dinner music. 6: Children's session, Fairy Princess and Uncle Sam. 7: Mr. Bill Hindman, "Sport." 7.30: Relay of community singing from Lewis Eady Hall. Song leader, Vernon Drew. 9 to 10: Popular programme.

Saturday, April 30.—10.30 a.m.: Devotional service, Sister Rita. 10.45: Music. 1.30: Close down. 5: Dinner music. 6: Children's session, Polly Flinders, Alice in Wonderland and Jack the Giant-Killer. 7.15: Mr. W. A. Moore, "An Article from the N.Z. Smalholder." 8: Popular programme. 10: Dance music. 11: Close down.

Sunday, May 1.—9 a.m.: Uncle Tom and his Children's Service. 9.45: Uncle Scrim conducting the studio church service, with 1ZR Broadcasting Choir under direction of J. Whitley Mc Elwain. 6 p.m.: Music. 6.15: Miss Baker and Church of England children's service. 7: Relay of A. H. Dallimore's Mission service from East Street Hall. 8.30: Studio standard classics.

9: "The Man Who Speaks." 9.30: Close down.

Monday, May 2.—10.30 a.m.: Devotional service, Mr. Garner. 11.15: "Maoriland," "Titbits." 11.40: Popular music programme. 5 p.m.: Dinner music. 6: Children's session, Goldilocks and Uncle Bern. 7: Music. 7.30: Close down.

Tuesday, May 3.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15: Madame Milne, "Diet and Health." 5 p.m.: Dinner music. 6: Children's session, Aunts Ruth and Nina and Uncle Scrim. 7.15: Mr. I. Meltzer, A.P.A. (N.Z.), "Income Tax." 8: Popular programme.

Wednesday, May 4.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15: Mr. Walter Smith, "Music Through Stringed Instruments." 5 p.m.: Dinner music. 6: Children's session, Miss Muffett. 7.15: Mr. Rod Talbot, "Motoring." 8: Close down.

Thursday, May 5.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15: Miss B. Karnahan. 5 p.m.: Dinner music. 6: Children's session, Wendy. 7.15: Mr. J. W. Ballie, school debate, "Homework." (Four girls and four boys.) 8: Vacuum Oil Company's programme. 10: Dance session. 11: Close down.

Laboratory Jottings

New Osram Valves

THE British General Electric Company, Ltd., has introduced two more American replacement valves. These are the 235, the variable-mu, and the 247, the power pentode, thus bringing up to date their list of American replacements. They have now a complete series covering all valves likely to be required in a modern American set. These two valves were tested by our laboratory, the 235 mainly to see if it would fill the dual purpose of a 551 and 235 variable-mu valves, as was claimed by the manufacturers. Comparing the Osram 235 with the standard 235, we notice little difference in characteristics, and it was thus to be expected that the valves could be interchanged without any noticeable difference in the output. This was the case.

In the case of the 551 socket, designed for a valve which is really very little different to the 235, the replacement could likewise be made without any detriment to either quality or volume.

Whilst in our hands the valve was soundly thrashed by subjecting it to overload and rough handling, but it emerged after each test without showing any alteration in characteristic. It, together with a pentode, was worked in an American set for several months, then tested together with the other American valves in the set, and it measured up to all requirements.

The new Osram pentode also embodies double mica bonding, which not only ensures great strength and durability, but minimises microphonic noises.

The new valves have been produced by the Osram Valve Works after extensive experiments on the part of the Research Laboratory of the G.E.C., London, and in producing them they have completed their range of American replacement series.

On conclusion we might remark that, so far as our tests have gone, the valves have proved themselves to be equal in all respects to our American standards, and can be classed as first-grade valves.

Registration of Radio Servicemen

Delay Occasioned

SOME delay has been occasioned in the issuing of the certificates to those who passed the Radio Serviceman's Examination. In a circular letter to the successful candidates, the Electrical Wiremen's Board point out that owing to the fact that the term of office of the members of the Registration Board terminated on March 31, a new board has to be elected. It is anticipated that a meeting will be held early in May, when applications for registration will be dealt with.

An endeavour was made to have the applications dealt with before the end of March, and for that purpose a special meeting was held on the 29th, but owing to the large amount of business to be dealt with, all applications for limited registration were deferred to the next meeting.

"Static"

(Continued from page 6.)

Despite a studious cultivation of the higher arts, and a certain natural jollity, life was nevertheless drab, consequent possibly upon food not being abundant. The visitor found the Russian to be a very friendly person, which shows that a change of masters has not destroyed his innate hospitality. In my visits to Russia before the war I knew the people to be gay, boyish, even childlike, and willing to be led, which characteristic

An Apology

As this issue of the "Radio Record" went to press several days earlier than usual, we regret that we have been compelled to omit several of our regular features.

would make the creation of new bureaucracies comparatively easy. I cannot imagine the Russian being either worse or much better off to-day than before the new experiment in social science.

THE next talk by Dr. Fisher, who is Professor of Economics, Otago University, will be upon "The Five Year Plan." According to our reports, there are ominous signs that this is crumbling, despite the fact that the Bolsheviks started operations unencumbered, having appropriated all wealth producing activities by plain theft. I trust Dr. Fisher will deal with this aspect, as it would appear that acknowledgment of capital indebtedness might have been essential to success.

IN introducing his subject, "Geographical Aspects of World Power," Mr. G. C. Billing (4YA) was necessarily required to mention the obvious, that a propitious climate, ample resources, transport facilities and an energetic people were essentials in conjunction with actual geographically favoured position, for any race to rise to world power. The speaker ascribed the domination of Egypt in the world of her day to the fertility of the Nile Valley and the aid to transport that the river gave. The rule of Greece he traced to a rich littoral and the simple transport that inter-island trading made possible in the eventual development of a maritime nation. Similar circumstances, coupled with the construction of roads for the first time in history, were the factors governing the ascendancy of Rome. In his next talk Mr. Billing takes listeners beyond the pillars of Hercules, and they will welcome his further record of historical facts.

KFI celebrated its birthday on the 16th instant, and among the many speakers who congratulated the station upon its efficiency was the Mayor of Los Angeles. He said he had often wondered what K.F.I. meant, and had been told that it stood for "Knowledge, Fun and Inspiration." In New Zealand we get the tail end of their programme only, so cannot say definitely

whether the Mayor's informant is a good judge or not.

THE giant masts for the new station 6WF, Perth, Western Australia, will be completed some time this month. The transmitter and buildings, to cost between \$9000 and \$10,000, will be ready in August, when testing will commence. The station will be a facsimile of 2CO, Corowa, which is so well heard in New Zealand.

TO enable it to form a line on the programmes and the response within the family, the B.B.C. in February issued a voluntary questionnaire amongst listeners. It sought information regarding the family and their point of view. This has aroused much interest in the British Press.

IN New Zealand there are over 200,000 motor vehicles, and of these about 75,000 are privately owned motor-cars, yet the cars that are fitted with wireless receivers are extremely few. Our enterprising dealers should make a concerted drive amongst owners. Besides the general utility of radio, look at the number of picnics that might have been better enjoyed had the car been fitted with wireless.

THE powerful Adelaide and Corowa stations which can be listened to without excessive amplification will create a demand from listeners that our A stations be increased in power. With static ever trying these

two stations are at present the only outside ones that can be listened to comfortably in Wellington. We should be able to hear our own A stations quite as well as any outside of the Dominion.

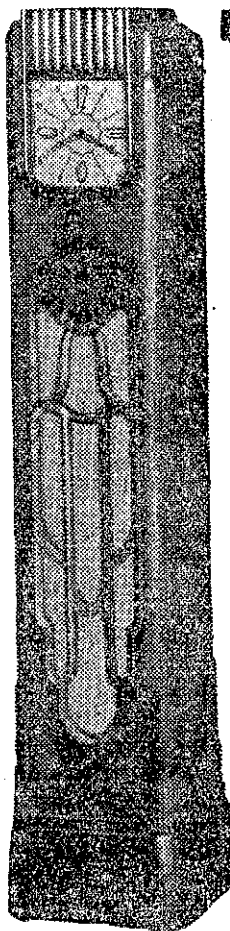
IN the series of talks from Dr. Marsden 2ZW has a feature of definite value. This speaker is vigorous and accomplished.

To an excellent voice he adds an amazing knowledge and capacity for arranging his matter attractively. As secretary of the Department of Scientific Research he is in touch with all that is of moment in developing both primary and secondary industries. His talk on cheese was of value, not only to farmers, but to townfolk in its revelation of the value of the industry, its problems, and its importance to the country. Whereas Britain eats 9.5 lbs. of cheese per head of population, we in New Zealand consume only 5.8 lbs. Switzerland gets away with 23.3 lbs. Beer and onions are a great help to the consumption of cheese, and I'm wondering if we must blame our prohibition friends for the relatively poor showing we make in the cheese-eating championship. I think the real reason is that the market is not properly supplied with attractive cheese. Cheese must be mature to be tasty, and much that comes on the local market is too fresh to be attractive. Dr. Marsden is giving further talks on primary industries. I shall await them with pleasure.

New British Electric Radio £8-10-0 "The Regentone"

A new British Electric Set for £8/10/- (Speaker Extra.) 2-Valves and dry rectifier. Complete in neat bakelite case. Wonderful tone—very selective. No wonder the first shipment is nearly sold out.

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	List price.	Special reduced Cash price.
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Pat 5-valve Console	32 10 0	18 0 0
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Model 31A 7-valve Table Model		15 0 0
Director 7-valve Console	45 0 0	35 0 0
Mate 5-valve Console	27 10 0	20 0 0
Buddy Boy 5-valve Midget	28 10 0	18 0 0
Model 308 7-valve Midget		22 10 0
Model 708 6-valve Midget		19 10 0
Jewel Box 8-valve Table Model		15 10 0
Ambassador 8-valve Gramo-combination	65 0 0	49 10 0
Standard 8-valve Gramo-combination	65 0 0	49 10 0
Midget 8-valve Superhet. Gramo-combination	45 0 0	35 0 0
Aristocrat 8-valve Superhet. Gramo-combination	84 0 0	65 0 0
Administrator 8-valve Superhet. Gramo-combination	75 0 0	55 0 0
Super Administrator 8-valve Superhet. Console	48 0 0	37 10 0
Songster 8-valve Superhet. Console	42 0 0	32 10 0
Minstrel 10-valve Superhet. Console	55 0 0	49 0 0
Model 121, 10-valve Superhet. Chassis		40 0 0
Model 120, 8-valve Superhet. Chassis		35 0 0
Showboy 5-valve Midget		23 10 0

Don't miss this opportunity. Call and inspect, or write for full particulars, To-day.

Abel, Smeeton
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74 Queen Street,
Auckland.

The Carillon and the People

(Continued from page 1.)

Messrs. Cadbury Bros' garden city, near to the cocoa and chocolate factory.

The bells are part of the life of Bournville, and I have often heard people say how they miss them when they leave the town.

Coming back to the site of your Carillon, I remember some year or two ago hearing that it was to be erected on Mount Cook. Although my geography is bad, I had an idea that Mt. Cook was in the South Island. I referred to an atlas, and discovered, much to my amazement, that it was 12,000ft. up in the sky, and a few hundred miles from Wellington. Needless to say, on visiting the tower the other day I saw the Mt. Cook in Wellington, and was relieved to find that it was quite an inoffensive hillside, without any traces of snow or ice.

"HELLO, Europe!" was the title of the programme which was relayed by the Columbia Broadcasting System from the United States to England last February. The programme consisted entirely of Negro spirituals.



Eileen Smithson

Who regularly appears from IYA as a singer of popular songs.

—S. P. Andrew, photo.

Children's Session

From 2YA

Monday, May 2.—Cousin Prudence, with her happy little band of music-makers, will be in the studio to-night to sing, play, and entertain you with jokes and riddles. Maori Legend Lady will also be there with Kipling Lady and Uncle Jeff.

Tuesday.—Here come the Bruin Boys, heralded by the Do-Da-Day boys, with full orchestra. Listen-in all of you: There will be some fun in the studio to-night. Jumbo in the midst of it, too, and he will tell you more about his adventures.

Wednesday.—Aunt Daisy will have some very small "Cheerful Chirpers" this afternoon. They are coming with Wendy to sing to you. There will be a nice story, too, and jokes and riddles, and birthday greetings, of course.

Thursday.—There is to be a weather evening to-night, so we will be having sunbeams, sunshine, rays, and rain, and to control it all "The Weather Clerk." Big Brother Jack and Uncle George will act as masters of ceremonies.

Friday.—Listen-in to-night to "The Lion and the Unicorn Fighting for the Crown," and to the delightful story "The King" has to tell you. Tweedledum also belongs to this story, and plays an important part.

Saturday.—A Teddy Bears' Evening. All the Teddy Bears of radioland are to be entertained to-night. There is to be a dancing class for them, a tea party, games, and charades. Aunt Molly and Uncle Jasper are guests at the party, and are looking forward to the fun.

Sunday.—The Knox Miramar Presbyterian Children's Choir will be in the studio this evening to sing to you, and Uncle George will conduct the service.

Of Feminine Interest

By "Patricia"

WHO says cats are not intelligent?

I have one that is particularly so. On several occasions I have noticed him taking an interest in the loud-speaker, especially when the bark of dog "Spot" has come over the air. The other day he was apparently sound asleep in an easy chair by the radio, when I tuned in for the afternoon session. When the voice of 2YA's announcer came through the speaker, my feline companion suddenly sat up, cocked his head first to one side then the other in a listening attitude, until Mr. Announcer had finished. Then he curled himself up, and with a deep and satisfied sigh sank once more into the arms of Morpheus.

IS there really any secret about personal charm? How is it that one woman has this elusive quality in abundance, and another not at all? They might each be scrupulous in every detail of their appearance; but after every care has been taken, no little thing overlooked, one possesses something which the other has missed. It is charm. Feminine charm appeals to

men and women alike. The very antithesis of feminine appeal is the masculine woman, with her close-cropped hair and flat-heeled shoes. That type never earned a compliment about her beauty. It is deplorable, the desire some women have to look like a man. What they do it for no one but themselves know. Robust health and practical dress are not incompatible with feminine grace, but the harsher outlines need toning down. There is nothing that radiates a woman's presence like a delicately trailing perfume. Choose your costume, handbag, jewelry, and your method of doing your hair with taste, and remember that femininity is a woman's birthright. Why sell it for a mess of masculine pottage, in either dress, conduct or speech?

IN Paris, the trend in hosiery is toward transparency, and yet more transparency, and whenever a new and more transparent weave is added to the stocking range a new colour or tint is added.

**EVEREADY
RAYTHEON
A.C. VALVES**

**4 Pillar
Construction**

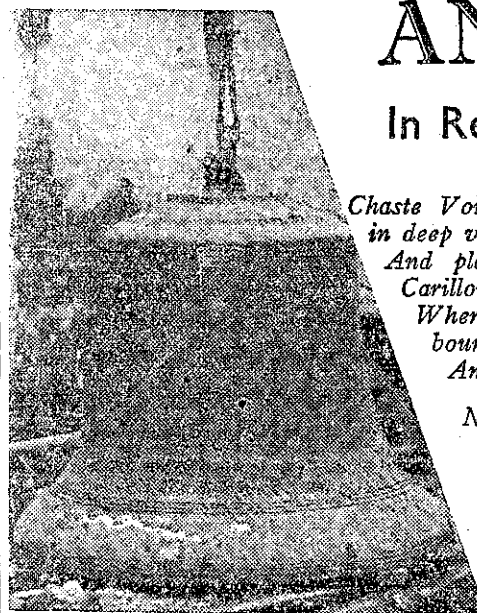
**Cross-Anchored
Top and Bottom**

*Set a
New Standard
for*

**QUALITY
LONGEVITY
AND
UNIFORMITY**

ANZAC

In Remembrance



*Chaste Voice, now raised at last
in deep vibration,
And placed within that great
Carillon high,
Where freedom robs the
boundary of its margin,
And ne'er shall die.*

*Now comes again this Day
of long Remembrance.
And, as those unseen
hosts above do wait,
O'er far and wide
the chiming Voice
is ringing
Beneath their
their Gate.*

*O'er these bowed heads and 'neath the ones above us
There steals throughout those silent, tedious years
A clear and lasting peal of deep thanksgiving.
Through all our tears.*

*No roughened peal was heard from out our Homeland,
But gentle chimes of love they sent us here.
And lo! we place those great Bells of Remembrance
In hearts as dear.*

*Two minutes now we have of tender memory,
While silently our hearts are proud and brave
To ponder on the glorious Day of Union
With those we gave.*

—"Merrie," Timaru, N.Z.

... With ... BOOK and VERSE

Book Jottings

PATRICK CAMPBELL, the author of "The Midnight Bell," has just written a little gem of a book. It is a short novel entitled "The Siege of Pleasure" (Constable), in which he tells the story of Jenny Maple, a girl of the streets. We see her first with two old ladies, who think they have secured a treasure in the place of an indifferent charwoman. Jenny, however, dislikes the drudgery of domestic service. She is pretty and knows the value of her good looks, and leads the boys a pretty dance. But how does she come to take to the streets? One evening, while out with Violet, two Hammersmith gallants introduce themselves, and when the right atmosphere is created they all repair to a public-house. Jenny has never been in such a place before, but she takes a glass of port, then another one, after that a third and fourth. Finally a motor-car ride and a queer adventure. A readable book that can be warmly recommended.

THOSE who read Carlton Dawes's book, "Leathermouth," will be thrilled by his latest story, "The Sign of the Glove" (Ward, Lock and Co.), which tells of more exploits by that clever detective. The novel is well written, full of crisp dialogue, tragic situations, and mysterious events connected with the death of the late Governor of Bombay. Colonel Gantian (Leathermouth) is called upon by his friend George Mayford, a Commissioner of Scotland Yard, to help him in elucidating the mystery, and although on the eve of his marriage, he reluctantly consents. In the course of his investigations he is landed in some tight corners, but eventually is successful in running the criminals to earth.

"TILL DOOMSDAY" is another of Ward, Lock and Co.'s latest publications. This novel, by Robin Temple, is full of drama. Gilbert Merrick, a musician and composer, finds himself in love with the girl who is to take the leading part in his new opera. His divorced wife, an actress, seeks with all the arts at her command to lure him back to her, and stops at nothing—a veritable female Mephistopheles. There is a tragedy contained in the book, but the story has a fine ending.

"LEGENDS and Mysteries of the Maori," by C. A. Wilson (Harrup). Mr. Wilson is an authority on the history of the Maori and his customs, and in this book he deals with these customs and the Maori folk-lore in an able manner. This book should prove of interest to all New Zealanders.

Prize Poem Competition

THE prize of half a guinea in the current competition is awarded to "In Remembrance" by "Merrie," whose work is appealing by virtue of its high level of wistful emotion and true and gentle expression of memories of those happy warriors who left "home, love, laughter and content" for the scarred battlefields of Flanders and Gallipoli. ("In Remembrance" appears on the opposite page.) Highly commended for inherent sincerity and grace of versification is "The Poppies," an elegiac poem by "W. H. McK," whose sheaf of attractive verses includes a felicitous Summer Song which is instinct with a sense of Nature's lovely continuity, and a poetic and reverential short poem entitled "Galilee."

"Thur": We congratulate our contributor on steadfast courage and remembering homage of her striking lines, beginning:—

*High on Mount Cook the tall carillon stands . . .
Fit tribute to the men who bravely passed.*

"Karakia": Your strong and grimly picturesque poem is held for further consideration.

"Song of the Sea" is faulty in technique, and "The Wind" somewhat over-reminiscent of a catalogue. Neither rises above the mediocre.

"R.B.C.": We thank you for an able and unusual contribution, with a strong impression of individuality. A more explicit dedication might possibly have been desirable.

"A.H.K.": Delightful indeed.

"Felix" reverts to the Stone Age, with scant success.

"Maid of Athens": Your verses point a moral, but they don't adorn a tale.

"Pierrette": Eloquent, but incoherent.

BUSHRANGING stories went out of fashion some time ago, but another addition to this class of fiction, published recently, will be welcomed by those who remember "Robbery Under Arms," one of the finest stories ever written. "The Bushmaster," by Ben Bolt (Ward, Lock & Co.), is an Australian story, and a real thriller from start to finish. The story opens with the "hold-up" of the Caldecott Station by a gang of bushrangers. Flora Caldecott, by stratagem, manages to leave the house and, mounting the fastest horse in the stable, rides for help. On the way she meets a young police trooper, who lays himself out to capture the notorious bushmaster. The book is full of stirring events and two love interests which hold the reader's attention throughout.

MR. H. G. WELLS has given to the world another of his valuable creations. This new book, "The Work, Wealth and Happiness of Mankind" (Heinemann), is an attempt to do for the world's social and economic life what the "Outline" did for history and the science of life. We have now come, says Mr. Wells, to the beginning of a new order: we must either plan or perish. The present phase or system has to pass on to the phase of organised collective enterprise, or break down. Mr. Wells foresees a future when entire cities and regions will be built and planned as a unit. Contemplating some such world, he pauses to remark wistfully, of the night scene in its cities, "One will have to go far from the artificial

brightness of the roadways, to recall the clear softness of moonlight, or the glitter of the stars." His survey of the financial and economic madness that brought the world to its present crisis is a damning indictment of economic nationalism and absence of planning. Mr. Wells's inimitable style and wealth of knowledge will make this book widely read.

MISS SIMPSON, a Sydney girl, wrote a number of sketches of her school-fellows when she was nine. Miss Simpson hoped to win fame as a musician, but failed to secure her degree. Her first novel, "Aequittal," was completed in three weeks for a bet. She went to England in 1914 and acted as interpreter during the war. She is married to Dr. Denis Browne, a son of the late Everard Browne, who wrote the well-known "Robbery Under Arms" and other Australian novels.

IN "The Unequal Conflict" Mr. Godfrey Winn has chosen a large canvas on which to display his puppets. This story of two families in the Midlands of two decades ago is a thoughtful and illuminating contribution to fictional literature. In the story, as in life, the unexpected happens. The unattractive Elspeth marries an ordinary young man who to all appearance is a typical mediocre clerk. Yet the humble clerk drives his passage to influence and affluence, and his wife becomes metamorphosed into something of a society leader. Her beautiful sister Judith, on the other hand, marries into a rich country family, but the handsome Charles turns out

to be a rake and cad and taxing to the utmost the loyalty and courage of his sweetly forbearing wife. The time comes when her daughter grows up and falls in love with Elspeth's son, and the whole makes a most engrossing tale, the characters being skillfully set in juxtaposition, and the incidents and episodes bearing undeniable stamp of reality.

LIFE as it is lived in a coal mine is a fruitful topic for the spinner of tales, and one of the best in its genre is Mr. F. C. Boden's "Miner." With simplicity and sincerity the story is set down of young Dan, who starts out on his career as a miner when he is just fourteen. First he is a truck-boy, and goes through successive stages until he reaches the giddy height—or depth—of becoming a full-fledged expert in his trade. He is a nice lad, has a good father, a stepmother who is by no means the typical martinet of fiction, and a gentle sweetheart. In spite of all this, allied with youth and its high hopes, life brings disaster to himself and his mates, there are strikes with their concomitant hardships, and ghastly tragedies in the everyday life of the mine. The story is instinct with a poignant pathos, and the author, himself at one time a miner, contrives to enlist complete sympathy for and understanding of the hard lives and heroic endurance of the innumerable Dannys of the microcosm of the mine.

MR. FREDERICK NIVEN'S novels are not as well known as they should be. He is in the forefront of living novelists, and in his latest book, "The Rich Wife," he again demonstrates his quality. His topic concerns a successful writer—not an artist by any means, but one who has, by hook or crook, contrived to tickle the ear of the public. Byron Humphreys is something of a bounder, fond of notoriety, which he achieves by exploiting his wife's influence and his wife's money, and no one is sorry when he reaches the end of his tether. But his wife and daughter are deeply interesting characters, and the whole theme of the reactions of the wretched Byron is most skilfully worked out with a penetrative insight beyond praise.

MISS ETHEL MANNIN'S latest novel, entitled "Linda Shawn," is in exceedingly attractive vein, and a brilliant psychological study. Miss Mannin uses her material with subtlety and restraint, and the character of the delightful Linda is depicted with the touch of the literary artist, and commendable economy of description. Miss Mannin has some arresting novels to her credit, but in the opinion of many readers her latest is the most significant.

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