

PUBLISHED WEEKLY

THE RADIO RECORD



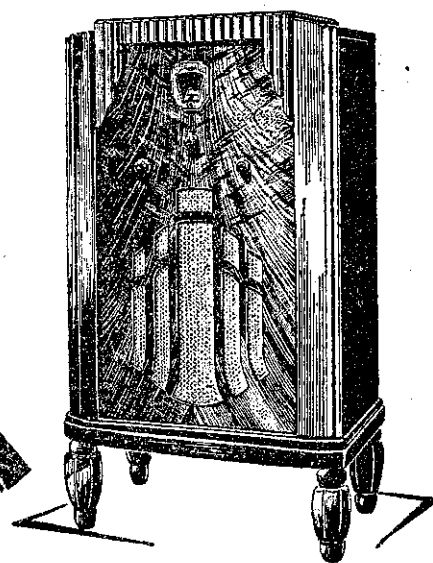
Vol. V., No. 39.

WELLINGTON, FRIDAY, APRIL 8, 1932.

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Pictures by Radio Apparatus for Christchurch

THREE Fultograph machines are due to arrive in Christchurch shortly. They are primarily for the

reception of pictures sent by wireless transmission. It is hoped to be able to adapt one machine for transmission purposes, and to use the others for reception.

In appearance, each machine is somewhat like an Edison gramophone, with a rotating cylinder, and a

threaded rod for carrying a stylus along the cylinder, which is covered with iodised paper. The incoming electrical impulses pass through the stylus and cause a brownish deposit, whose shade varies with the varying strength of the impulses. The impulses themselves owe their strength to the original black and white or

intermediate tones on the photograph being transmitted.

The varying currents at the transmitting end are amplified and made to modulate the carrier wave, an extra strong impulse being sent at each revolution as well. This trip signal operates the receiving end, which consists of a suitable receiver coupled to the Fultograph. A catch operates at each revolution of the Fultograph cylinder and holds it until the trip signal allows it to start each revolution again. The clockwork which drives the cylinder is coupled through a magnetic clutch, a direct drive being out of the question.

A delicate relay acts when the trip impulse arrives at each revolution and releases the catch on the Fultograph. It would be a difficult matter to synchronise each receiver with the transmitter cylinder, and so they are set to run just a shade faster than the transmitting one, giving time to be caught ready for the release impulse. A milliammeter is incorporated to adjust the correct input, otherwise with too much strength the relay would be functioning with any strong impulse. A smudged picture would also result.

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MILES NELSON,

Representative,

61-62 Brunswick Bldgs., Queen St., Auckland,
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The
NEW
**NATIONAL
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RADIO VALVE**

Would Go Out of Date

H. G. Wells on Broadcasting

THE well-known writer, H. G. Wells, is now on a tour in America for the purpose of giving lectures. In "World Radio" we read that Mr. Wells reported to the American Press some interesting considerations on broadcasting.

Four years ago he was convinced that broadcasting would die out and that the best microphones and loudspeakers had the same possibilities as crossword puzzles and Oxford trousers.

Since that time H. G. Wells has changed his mind, however, owing to his having become acquainted with English broadcasting rather than with American broadcasting.

He made a comparison between the broadcasting systems in England and America. He spoke of his experience in an American studio. The studio was not built soundproof, the microphone was presented to him like the barrel of a revolver, he was asked to stand, when speaking, under a lamp of the same intensity as is used for film records and with the same heat-radiation. His anxiety when speaking was intensified by the arrival of journalists. Mr. Wells said all this ruins the special properties of broadcasting and irritates the most fluent speaker.

In London, however, radio listeners are addressed in the same way as one would speak to an intimate friend in private conversation. In the studios at Savoy Hill everything possible has been done to adhere to the time allowed and to deliver one's speech under the most favourable conditions. The listeners receive the same impression as if a friend was speaking to them.

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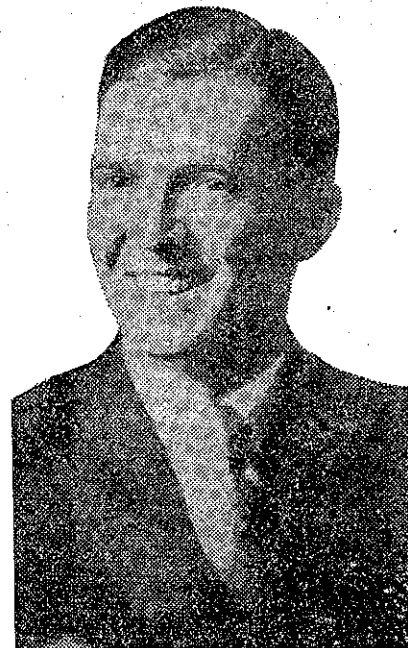
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VERSATILE ENTERTAINERS

from Wellington

The Record Players in Music, Story and Song

Fresh talent is to be introduced to the microphone of 2YA when the "Record" players commence next week a series of entertainments entitled "One Hour of Music, Song and Story." This is a popular programme combining some of the best talent which has appeared before the microphone in New Zealand. There will be abundant variety, sparkling wit, and talented vocal and instrumental artists. The director of the entertainment is Frederick W. Barker, already well known—though, perhaps, not recognised—to Wellington listeners. He has been in charge of the Ipana Merrymakers, so popular from 2ZW, and he has been heard from 2YA in that popular and versatile combination, the 2YAlans.



F. W. BARKER,
Elocutionist and entertainer, who will
direct the "Record Players" in a new
series from 2YA.
—S. P. Andrew photo.

FEW radio performers in New Zealand have to their credit so widely diversified experience as Mr. Barker. His work on the platform commenced back in 1917 when, under the soubriquet of William Frederick, he made his debut in the Christchurch Competitions. The remarkable success he achieved in the elocutionary sphere led him to make an intensive study of that art. The following year saw him gaining in experience and, as a member of the Pom-Pom Pierrots, he was a well-known figure in the Christchurch district. Humorous numbers, in particular amusing characterisation and mimicry, were his forte, but he was often heard to advantage in Shakespearean and Dickensian recitals.

In later years he went to Auckland, and there became associated with the Little Theatrical Players. He rapidly achieved fame in that city. It was while there that he made his debut in radio work and acted as relieving announcer when Mr. Culford Bell, the regular announcer, was in the south. To such a degree did he throw himself into his work that it was not long before his efforts were recognised, and from all quarters came congratulations and praise.

The Press had a great deal to say about Mr. Barker's activities from 1YA. It stated that there was universal approval of Mr. Barker as an announcer and that intense disappointment would be felt if he ever left the station. It was also said that he possessed that radio personality, which is by no means common, and one writer went



This a never-to-be-forgotten occasion—the marriage of Frank Crowther to Miss O'Listener at the Wellington Town Hall last year. The bashful bride is none other than Mr. Barker.

—"Dominion" photo.

so far as to say his loss was one which largely discounted many of the improvements which had been effected. While in Auckland Mr. Barker won the New Zealand championship in elocution, as he had done in Christchurch seven years earlier. He held classes in speech-training with the Dominion Motor Sales Staff of the Auckland Advertising Club.

Many listeners will remember him as a debater both from the Auckland station and in the city; particularly will it be remembered that he led a virile attack on the Time-payment system, both over the air and before the Advertising Club.

He introduced novelty into New Zealand radio, his most original effort in this direction being a broadcast chess game between station 1YA, Auckland, and the listeners. The station broadcast the moves and the listeners replied by telephone. The game was completely played in one night without interference to the programme.

LATER, when Mr. Barker was in England, the Director-General of the B.B.C. told him that this was the first time that he had ever heard of this radio novelty, and expressed great interest in its procedure.

Going to England on a business trip in 1928, Mr. Barker had the unique honour of an interview with Sir John Reith, Director-General of the British Broadcasting Corporation. It may be remarked that this is most unusual, and at the time Sir John Reith mentioned that Mr. Barker was the first New Zealander whom he had interviewed officially on broadcast matters.

Mr. Barker's experiences of the B.B.C. are sufficiently interesting to warrant a special article which will appear in a future issue. Sir John Reith's opinion on announcing and pronunciation are vividly remembered by Mr. Barker.

Coming to Wellington after his return from England, he became associated with Albert Russell and Owen Pritchard in the Community Singing from 2YA. He assisted mainly with original stunts, chief of which was the marriage of Frank Crowther to Miss O'Listener, Mr. Barker making a most charming bride on this occasion. At the subsequent divorce of Frank Crowther, also held in the Town Hall, the wife of the former character became the prosecuting attorney.

In his association with the Ipana Merrymakers from 2ZW, on each Wednesday night, Mr. Barker has won his way into the favour of listeners to that station. The announcements between the Merrymakers' items are made by him, and in addition he gives an item in each programme. The popular appeal of this type of programme is evident by the large amount of congratulatory (Continued on page 21.)

LIST OF MUSICAL NUMBERS

for the

Music Lovers' Competition

Sixth Series

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

1YA		Tuesday, April 12
2YA		Wednesday, April 13
3YA		Thursday, April 14
4YA		Monday, April 18

Life in Vienna.
Follow Me 'Ome.
Sanctuary.
A Sergeant of the Line.
Turkish March.
Funeral March (Chopin).
It Was a Dream.
Rosamunde Ballet Music No. 2.
Matinata.
Marriage of Figaro Overture.
Serenade (Drigo).
For You Alone.
The Clock is Playing.
Thou'rt Passing Hence.
Sanctuary of the Heart.
Pale Moon.
Serenade (Schubert).
In a Little Grey Home in the West.
Danza Espagnola.
To Music.
The Dreamer (Silhouettes).
The Blind Ploughman.
My Blue Heaven.
Lolita.
Ballet Egyptian—Andante.
If I Were King.
A Moonlight Song.
The Gondoliers Overture.
Waltz Song (Tom Jones).
Riff Song (from The Desert Song).
March of the Grenadiers.
An Irish Symphony—Scherzo.
Chanson Espagnole.
Wine, Women and Song.
Habanera (Carmen).
Marche Heroique.
The Signpost.
Thou Art Repose.
Memories (Student Prince).
The Dance of the Dwarfs.
Mountain Lovers.
Hungarian Rhapsody No. 1.
Dream Lover.
May Night.
Humoresque.
A West Country Courting.
Toreador and Andalous.
Death of Ase (Peer Gynt).
Invictus.
Poet and Peasant.
The Admiral's Broom.
Lustspiel Overture.
Londonderry Air.
L'Estasi.

II Seraglio Overture.
Manon Ballet Music.
Take Thou My Greetings.
Fingal's Cave.
Dreams of Long Ago.
Aida Grand March.
Waiata Maori.
Trumpet Voluntary.
The Pagan Love Song.
My Heaven of Love.
Crown Diamonds Overture.
Napoli.
Coppelia Ballet.
Somewhere a Voice is Calling.
Dance of the Waves.
Lo! Here the Gentle Lark.
The English Rose.
Britannia Overture.
Two Little Finches.
Caprice Viennois.
Sunshine of Naples.
By the Waters of Minnetonka.
Until.
The Song of the Nightingale (Don Juan).
Marcheta.
Serenade (Braga).
Kohala March.
Romance.
La Sorella.
Just a Gigolo.
Souvenirs.
Danse Oriental.
Kosovo Waltz.
The Bohemian Girl Overture.
Return of the Regiment.
Dorfschwalben.
Amazon's Ride.
Louise.
Keep on the Sunny Side.
March Militaire.
The Swallows Waltz.

Moonbeam Dreams
Come Back to Sorrento.
A Lover in Damascus.
Intermezzo—Cavalleria Rusticana.
Santiago.
Minuet in G.
Tesoro Mio.
The Golliwog's Cake Walk.
Goodnight.
1812 Overture.
The Song of the Islands.
Carmen Entr'acte, Act 4.
Arabesque No. 1.
Valse Triste.
Syncopation.
The Last Rose of Summer.
Spring Song.
The Spinning Wheel.
Children's Overture.
Oh! Spring How Fair Thou Art.
The Monk's Dream.
The Rustle of Spring.
Sizilietta.
Dance of the Hours.
The Phantom Melody.
Lily of Laguna.
Dance of the Apprentices.
What is this thing called Love?
Nell Gwynn Dance No. 1.
Under a Texas Moon.
In the Hall of the Mountain King (Peer Gynt).
Tiptoe Thru' the Tulips.
March of the Caucasian Chief.
If I'm Dreaming.
Venetian Barcarolle.
An Emblem.
Have a Little Faith in Me.
Chinese Dance (Nutcracker Suite).
Die Fledermaus Overture.
Round About a Wood.
Leonora Overture No. 3.
The Waltz Dream.
Because.
Wee McGregor Patrol.
Moonlight on the Colorado.
The Grasshoppers' Dance.
You'll Never Know, Sweetheart.
Carnival Romain.
Rollin' Down the River.
Berceuse.
Passing By.
Sari Waltz.
Jeannine I Dream of Lilac Time.
There's a Good Time Coming.
Praeludium.
Sleep, Gentle Lady.
Fra Diavolo Overture.
Polly.
Go Home and Tell Your Mother.
Sylvia Ballet—The Huntress Prelude.
Good Friends.
Chanson de Nuit.
Church Bells of Novgorod.
Marche Lorraine.
The King's Horses.
La Vida Breve.
Comin' Home.
Faust Ballet Music.
A Japanese Sunset.
Knocked 'em in the Old Kent Road.
Evenin'.
Bacchanale (Samson and Delilah).
Dream River.
Sleeping Beauty Waltz.

Dawn.
Nearer my God, to Thee.
Come to the Fair.
Bridal Chorus (Wagner).
Largo—Xerxes.
Under the Clover Moon.
March of the Smugglers (Carmen).
Absent.
Le Carillon (L'Arlesienne).
Ella Rhee.
Waltz of the Hours (Coppelia).
Oberon Overture.
La Siesta.
Mammy is Gone.
Morris Dance (Henry VIII).
My Lady Chlo.
L'Amour Sorcier.
Evensong.
Naila Waltz.
The Little Sandman.
Serenade (Toselli).
The Shepherdess.
Chanson de Matin.
Amoretentanze.
Dusky Stevedore.
Merry Wives of Windsor Overture.
I Just Roll Along.
Morgen Blatter.
Deep Night.
Liebesleid.
The Opera Ball.
Rag Doll.
Kentucky Babe.
Orpheus in Hades.
On, Donna Clara.
Overture—Arundel Suite.
Sunset.
The Clock is Playing.
Narcissus.
The Beautiful Galathea.
Carolina Moon.
Kammenoi Ostrow.
Sonny Roy.
Dance of the Imps (Peer Gynt).
Drink to Me Only.
Zampa Overture.
Tintagel.
Spring is Here.
Serenade (Rombert).
My Song of the Nile.
March of the Bojaren.
Was it a Dream?
Hungarian Rhapsody No. 2.
Stars of the Summer Night.
Rienzi Overture.
Oh, Lucindy.
Prelude in G Sharp Minor.
Dinah.
Old Vienna.
Intermezzo—"Portia."
The Song I Love.
Ave Maria.
Sweet Kitty Clover.
Le Ronet d'Omphale.
Mors et Vita.
Beautiful.
A Room with a View.
My Darling Waltz.
By the Waters of Killarney.
Glad Rag Doll.
Just an Old Refrain.
Wedding March (Mendelssohn).
The Holy City.
Larboard Watch.
Idilio.
The Little Green Valley.
Rosamunde Overture.
Just We Two (Student Prince).
William Tell Overture.
The Wedding of the Rose.
You're the Cream in My Coffee.
Off to Philadelphia.

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"The Best Guide Yet"

A Critical Review of 1932 Radio Guide

and Call Book

By
"Observer"



ALMOST without warning we have found ourselves in possession of the 1932 "Radio Guide"—a 160-page booklet, crammed full of interesting and instructive matter no radio enthusiast or, for that matter, casual listener, can afford to be without. This is the fifth "Radio Guide" and without hesitation it can be acclaimed the "best yet." Each year this publication has become more valuable, more interesting, and more informative. It has grown with radio science; it started when radio was in its infancy in this country, and has expanded with it. To-day it is an eloquent testimony of radio in its present advanced stage. It is published at the end of one of the most interesting years in New Zealand radio history and, as one would expect, it has a complete record of all those stirring events which have made the last twelve months a long-to-be-remembered period.

In a profusely illustrated section, it takes the listener back into those early days, the early 1920's, when radio was a hobby indulged in only by those who dared the wrath and penalties of the powers that be, for radio was then forbidden. It traces the growth through those days until the days of organised broadcast, when YA, YB, AE's etc., first came on the air. It recaptures some of the early thrills experienced by the amateurs of those days, and tells in a graphic manner how the first long-distance calls were received.

It takes the listener to the beginning of the Broadcasting Company in 1925, and traces the growth of radio in this country under their administration. It sketches the company's attainments and tells of the losing battle which they fought for the retention of their control. It outlines the schemes advanced by them, and tells how they were met by the public and the Government.

Finally we see the establishment of the New Zealand Broadcasting Board and its Advisory Committee. The Chapter ends with a very terse statement of the problems which lie ahead of the Broadcasting Board and what we may expect to see in the future. This article is illustrated by many hitherto unpublished photographs of artists, groups and the photographs of the four YA announcers. Many listeners will be anxious to get the "Guide" for these photographs alone. These are on excellent paper and are a credit to the printers.

In Chapter 2, intriguingly captioned, "This Thing Called Broadcasting," is to be found an absorbingly interesting treatment of radio from a scientific viewpoint. It sets out by asking, "But what is this radio and how is it that, whilst we can hear nothing in the air, yet it appears to be full of voices for the radio? The air is not full of voices and the radio does not carry sound. The solution of it all is found in that marvel of the modern day—electricity. What is electricity?" And then it goes on to tell in a delightfully simple manner how the material universe is built up of

protons and electrons, and how these, in various combinations, make up life as we know it. Readers are then told how these protons and electrons, under certain circumstances, can be made to perform the miracles we attribute to radio.

Those puzzling terms of wavelengths and frequencies are explained in a manner so simple that anyone who has not the slightest knowledge of radio, nor an inkling of how to acquire it, can understand. It links radio with heat and light waves, and gives it its correct place in a vast spectrum.

You have often heard those terms "modulation," "de-modulation," and "transmission," and wondered what they really mean. In the "Radio Guide" you will find them explained in such a manner that you can understand them. It takes you to the receiving set through each stage, explaining with many diagrams how it is that "while we can hear nothing in the air yet it appears to be full of voices for the radio," and then devotes several pages to that modern receiver—the super-heterodyne receiver.

It works upon a complicated principle, but the "Radio Guide" has taken away the complications and made it appear so simple that the average reader, uninitiated in technicalities, has a bird's-eye view of the complete operation. This section is illustrated with many diagrams which are fully explained, starting with a sketch showing the very fundamentals, leading to a diagrams of the modern a.c. superheterodyne.

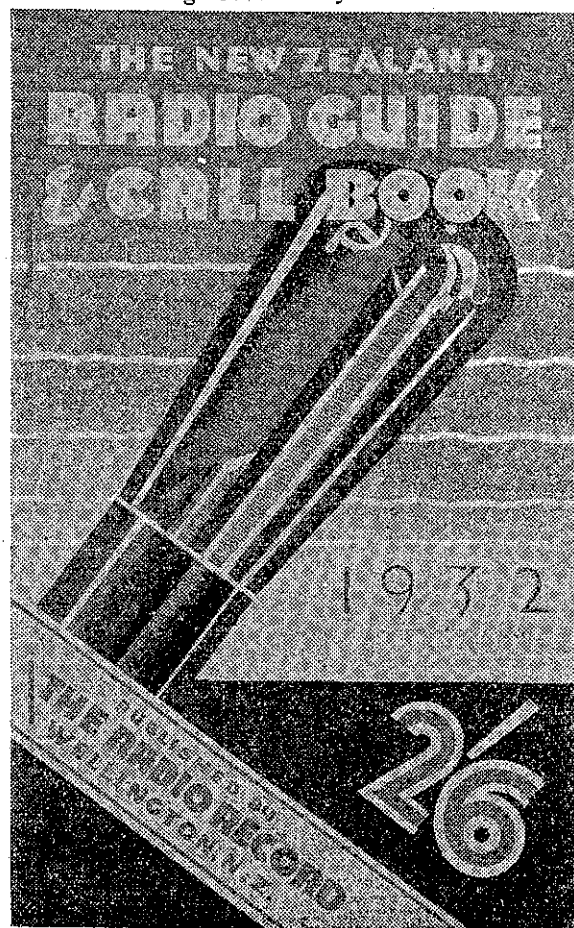
It tells you all you want to know about speakers and their baffle boards, batteries and their selection, the eliminator and how it works. There is a section on the aerial and the earth, which states very carefully the main features of their installation and maintenance.

A chapter quite new to New Zealand radio listeners will be that on the design of a complete radio receiver. Experimenters will be more interested in this chapter, for it deals with all the fundamental points that designers must consider. Illustrated by eight clear diagrams, this article for the serious experimenter is worth the half-crown paid for the "Radio Guide."

Then in a brief chapter are reviewed the salient features of the modern set.

The last section in this absorbing chapter is that on television, and it is not a brief mention, but a simple explanation of the phenomenon of this new radio science. It explains clearly how light is changed into electricity, transmitted and received. The various scanning systems are fully explained, with special reference to the Baird system of television which is making great headway in England at the present time.

Section 3, "With the Constructor," is introduced in a rather unusual manner. A typical four-valve circuit is taken and, stage by stage, the reader is taken through it. Every component is numbered and the *raison d'être* given (*Continued on page 22.*)



Editorial Notes

Wellington, Friday, April 8, 1932

YOUNG William Wilson was thoroughly fed up. His job was to "mind" a machine in a large motor factory in the black district of Britain. The machine did the work. He simply had to see that no misadventure occurred, no blockage and no stoppage. In effect, he became a human automaton. There was no challenge to his ingenuity, no mental activity, no stimulus. He had to use his eyes and his observation, and rectify anything that went wrong. To some, this would have been a good job. To him, with the ambition that stirred within him, it was a dull, dreary round. His mate felt the same. He also "minded" a machine. Day by day they watched that machine do the work. They had been doing this for some two years, and were becoming very wearied of the monotony, the lack of variety, and the apparent impossibility of rising beyond it.

EACH had ideals of getting out of the rut in which they found themselves. They attended the Central Technical College during two sessions to study mathematics and drawing to fit themselves for promotion, but, exhausted by the dull routine of each day's round, they failed to stand the pace and were compelled to give up. The Principal of the College was interested in them, and suggested they should attend the Evening Institute, where more individual attention might be possible. They did so, making slow but steady progress until, for various reasons, the classes were closed. The following evening these young men met the head of a listening group at an Evening Institute in their town. They pointed out the difficulties that surrounded men in their jobs—"machine-minders" in a machine age. They wanted to know how they could fit themselves for promotion if it ever came. They both felt that they had "rotten" jobs—jobs that any fool could do to satisfy the boss—and both felt that intelligence and ambition were useless in the production shops. They had lost interest and were "fed up" with their work. Arising out of their talk the suggestion was made that they form a discussion group for young production-workers of their class. A series of talks over the B.B.C. stations by Professor Pear on "Making Work Worth While" was then about to begin, and the machine-minder suggested that his group should be

formed round these talks. The difficulties were discussed, and finally he was offered the use of the necessary room and apparatus to start the class.

THE evening of the first talk the two young originators of the scheme arrived an hour beforehand to see that all was in readiness. They provided scribbling pads and pencils for note-taking for the 18 young men who were expected. Copies of books suggested in connection with the course that were available in the city libraries had been obtained for reference and inspection. Fifteen young fellows, all unskilled workers in the motor shops attended. The set was switched on, and at their own request they were left alone in the room. Two and a half hours later they were still there. The talk over the air had stimulated their minds. They had found in it the necessary "meat" on which to bite. They had turned, as suggested, to some of the books at hand, and dipped into them, had propounded ideas, and altogether had had such a "talking-feast" on a solid subject as they had never thought possible. Week by week the talks went on. They were allowed to smoke. They met together round the wireless set to follow every talk. They discussed angles of the subject long after it closed. The whole of the members continued right throughout the series. The depth to which they dived in literature surrounding the subject and the amount of reading they did was surprising. Some of the group asked for additional information respecting vocational guidance, and were put on the road to lift themselves out of the ruts they felt they were in. They were given a stimulus to ambition, but over and above that they were shown that the jobs that they were doing had a purpose, that they were interesting, that they were fulfilling a definite function, and that the apparently unskilled job really was skilled.

THAT experience is typical of the work being done by study circles in Great Britain. For the last three years there has been a marked rise in this field of activity. In 1929 there existed 218 discus-

sion groups in connection with the series of wireless talks. In the spring of 1930 the number grew to 349, followed by a still greater increase in numbers in the succeeding autumn. This development is due to two things: first to an increased interest being taken in wireless as a medium of adult education by local education authorities, universities and voluntary bodies; and, secondly, to the increased scope of the work undertaken at the listening end by the Central Council for Broadcast Adult Education. The central body, which works under the chairmanship of the Archbishop of York, is charged with two duties: First, it organises the matter to go over the air, and secondly it facilitates the development of listening groups and discussion groups at the listening end. To do this it has established, wherever requisite, a number of Area Councils and local committees. By co-operation with public libraries, facilities are provided in many cases for these discussion groups to meet in library premises, where the resources of the library in literature of a suitable character are made available. The work is expanding so rapidly that it will not be long before practically the whole of Britain is covered by Area Councils supervising the formation of discussion groups within its territory. This work has been generously assisted by the Carnegie United Kingdom Trustees, grants having been made in aid of experiments in certain territories.

HERE in New Zealand the time is ripe for a forward movement in connection with study circles. For some years past the Workers' Educational Association has done valuable work in providing radio speakers on various topics. Several discussion groups, particularly in the Auckland Province, have been formed, with useful results. It was announced last week that arrangements have now been made for the Workers' Educational Association to provide two speakers for each of four YA stations weekly. It is understood that capable and good speakers are to be chosen. We know that the Workers' Educational Association is keen to round

out the broadcast talks by the establishment, wherever possible, of study circles or discussion groups. The headquarters in Auckland of the W.E.A. is prepared at all times to undertake correspondence with those desirous of forming such groups. Provision is made for necessary supplementary matter in the form of books to be read in conjunction with the talks. The "Radio Record" is prepared within its power to do all possible to help this movement, as we appreciate the service that radio can render to its listeners in this direction. We have not in New Zealand those large numbers of industrial workers who are eager for mental stimulus that are a necessary accompaniment of the industrial life in the Old World. We are an agricultural and pastoral community. To the workers in the country, however, radio can be just as useful—if not more so—than it is to those in the humdrum occupations of modern civilisation. The isolation of the country is as potent and in some cases as depressing as the monotonous occupation of the city. Radio can rectify the one as it does the other. In our country areas there has been done in late years a fine work in the establishment of Women's Institutes and branches of the Women's Division of the Farmers' Union. Each of these organisations does much to provide mental stimulus for their country members—necessarily women. The young folk of the country, however, both boys and girls, in their formative years after leaving school can derive a very great deal of benefit from guidance along lines of mental activity. In country halls study circles could advantageously be formed for the prosecution of study along the lines set by radio talks. The step now made, and we hope the publicity given to the idea of study circles, will stimulate the formation of groups throughout the Dominion. Detailed information as to procedure, etc., can be procured from the Director of the Workers' Educational Association, Mr. N. M. Richmond, Auckland.

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S-O-S

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WELLINGTON - PALMERSTON
NEW PLYMOUTH

Interesting Empire Low-Wave

B.B.C. Undertakes Scheme

New British Station

IT is hoped that a regular and satisfactory service will be provided by the new Empire broadcasting station, the construction of which has now been taken in hand in England. The scheme is being financed entirely out of the British Broadcasting Corporation's revenue, and no question of overseas contributions will be raised until the service, from which New Zealand will benefit, has been established. The corporation will be free, however, to reopen then the question of providing finance for the station's maintenance.

Experimental broadcasts will be carried out, it is expected, well before the end of the year and full programmes will be announced not long afterward. The site of the new station is at Daventry, adjacent to the present 5XX. For some time the two stations will work side by side, and it is possible that this arrangement will be continued permanently. The site has been described as ideal, owing to its elevation and other geographical considerations.

Seventeen Aerials.

When completed, the station will present the appearance of a forest of aerials. In all there will be 17, of which 11 will be directional. Two transmitters will enable distinct programmes to be sent out simultaneously.

The work will be carried out by the B.B.C., and contracts for the supply of the immense amount of plant required have been placed with a large and well-known firm. All the apparatus will be manufactured in Great Britain by British workers.

Division Into Zones.

The whole of the British Empire, for purposes of broadcasting, has been divided into five zones. Roughly speaking, these will include the principal Colonies and Dominions, as follows:—

(A) Canada, British Guiana, Trinidad, and West Indian and certain Pacific dependencies; (b) Australia, New Zealand, Tasmania, Borneo, and the East Indian dependencies; (c) India, Burma, the Malay States, and adjacent dependencies; (d) South Africa and an area approximately compassed by the longitudes of Iraq, Egypt, Somaliland and East Africa; (e) East Africa, with the Gold Coast, St. Helena, and Ascension Island.

The principal problem now facing the B.B.C. is that of providing suitable programmes for such an assortment of listeners. This question has given rise to a great deal of discussion, and it is felt that it will be impossible to decide even the outlines of programmes until experiments have been carried out and reports have been received from the various areas.

Whatever the decisions at the commencement of these interesting broadcasts, the progress and development of this gigantic scheme will be watched and listened to by New Zealand low-wave enthusiasts on their Stewart-Warner converters. Hundreds of listeners are now modernising and ex-

Over 75,000 Licenses

Return for February

ACCORDING to the last return received from the Post and Telegraph Department, there were 75,351 licenses issued by the 29th of February, 1932. This is an increase of 12,000 over the number existing at the same time last year. The increase has been maintained mainly in receiving licenses, of which there were last year 61,000 odd against 73,600 this year. The dealers are now just over 1000, as compared with 1260 last year. The transmitters have increased by 200, and the free are about the same. There is one more return to come in yet before we have the figures of those obtaining after the licenses have been renewed. A final reminder is given to those who have not yet renewed their licenses about operating the set without having a license, which renders the owner liable to prosecution.

DISTRICT		CLASS LICENSE				
	Receiving	Dealers'	Trans- mitting	Experi- mental	Special	Free
Auckland ..	22,017	280	111	—	1	96
Canterbury ..	11,786	158	114	—	2	46
Otago	9,278	137	78	1	1	32
Wellington ..	30,513	422	208	4	—	57
Totals	73,594	1,006	511	5	4	231
		Grand Total: 75,351.				

tending the range of their radios by the fitting of one of these popular new units.

Most interesting reports have already been received of reception throughout the world.

The Radio Division of Messrs. Hope Gibbons, Ltd., report that they are very pleased with the way these important little units of the New Stewart-Warner Radio Line are being received by the New Zealand public.—(P.B.A.).

W.E.A. Talks from IYA

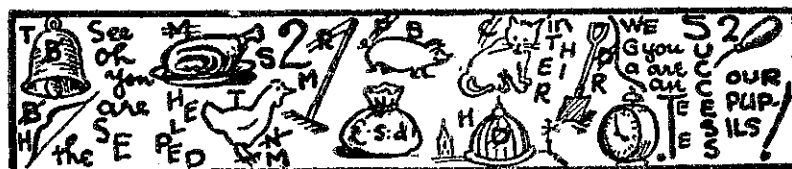
ON April 14, the first of a series of W.E.A. talks on "The Modern Orchestra and its Instruments," will be delivered from IYA by Mr. H. Hollinrake, M.A., Bus. Bac.

The aim of these four talks, which will be illustrated by recordings, is to give the listener an opportunity to gain a knowledge of the instruments contained in the modern orchestra and in particular to assist him to recognise the sound of each instrument, to know how each instrument is constructed, and how it is used by the great composers when writing orchestral music. The series should provide an excel-

lent course in ear training and add to the pleasure of listening to orchestral music through a keener appreciation of the tone qualities, construction and capabilities of each instrument. Fortunately the large number of instruments forming the modern orchestra falls into four distinct groups or families, and each group will provide the subject for one of the four talks.

£8-10-0 MUST BE WON!

£8/10/- in cash prizes and 1000 other prizes valued at £3 each by the Joss School of Art will be awarded to those sending in the nearest correct answer to the Picture Puzzle given below.



You need not be an art student to enter for this competition. Everyone is eligible except the staff of the JOSS SCHOOL OF ART. All those who enter and who have five or less mistakes will receive a certificate valued by us at £5, which will be accepted in lieu of fees. This certificate is transferable and can be disposed of, if desired, to any friend or relation. Each entry must be accompanied by a postal note or stamps for 1/-, and if you think you can solve this puzzle with five or less mistakes, you are assured of receiving a certificate which will be accepted by the JOSS SCHOOL OF ART up to its full value of £5.

Conditions of the Competition are as follows:—

1. Anyone can enter except the staff of the JOSS SCHOOL OF ART.
2. Any number of entries may be sent in.
3. Each entry must be accompanied by stamps or postal note to the value of 1/- (more than one entry 0d. each).
4. The answer to the puzzle must be written clearly with the name, age and address written distinctly on the same sheet.
5. The sum of £5 will be paid to the reader who sends in the nearest correct answer with 2nd and 3rd prizes of £3 and £2 each, which will be awarded to those next in order of merit.
6. In the event of more than one correct answer the prizes will be divided.
7. The result has been sealed and deposited with "N.Z. TRUTH" along with the prize money.
8. All competitors will be advised of the results by letter.
9. The decision of Mr. Anthony Joss, Principal, of the Joss School of Art, is final and binding.

REMEMBER THE CLOSING DATE: APRIL 26TH, 1932.

ENTRANCE FEE, 1/-.

ENTRANCE FEE, 1/-.

Address all Communications to COMPETITION 105b.

JOSS SCHOOL OF ART,
Southern Cross Bldg.,
Auckland.

TELSON RADIO PARTS

A line drawing of a vehicle interior from the side, showing the front and rear seats. Dimensions are indicated with arrows and numbers: front seat height is 36", front seat width is 18", front seat depth is 15", front seat backrest height is 21", front seat backrest width is 20", front seat base width is 16", front seat base height is 15", rear seat height is 36", rear seat width is 20", rear seat backrest height is 20", and rear seat base height is 15".

The sectional illustration above gives the complete interior dimensions of the Rover "Ten." Ask for similar body details of cars costing two or three times as much to run. The comparison will amaze you.



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WELLINGTON.

ROVER FAMILY TEN



STATIC

by
"SPARK"

STUDY circles to take full advantage of the W.E.A. talks from all stations should be a feature of radio work this year. Particularly in country districts would I like to see these circles established.

HAVE any listeners noticed this?

In the early days of broadcasting announcers avoided sibilants because they were inclined, like the sausage, to come out vastly different from what they went in. Now the microphones will handle nearly anything, and the announcers have no hesitation in spitting such sibilants as "anaesthetic," "subpoena" and "Cesarewitch" into the blue.

HAVE you returned your questionnaire? You remember the fuss made when legislation was promulgated for the board to take control of broadcasting, which resulted in provision being made for the Advisory Council. The council might and might not be able to represent your views. The questionnaire is your

Wool Sale Broadcast

FROM 9 a.m. to 10 a.m. next Monday morning, April 11, 2YA will be on the air to broadcast proceedings at the Wellington wool sale.

personal and direct representative on the board, and because all your friends are expressing a preference for Hawaiian and elocutionary items you must not think you will not have your share of chamber music, providing you return your questionnaire properly filled in. I believe the response so far has been quite satisfactory, but you are urged not to neglect your return.

ACCORDING to the annual report of the Australian Postmaster-General, the Department secured a surplus of £35,148 from listeners to go to the Department's general funds. Is this not special taxation of

radio listeners and conversion of moneys from the purpose for which they were levied? Listeners will be alert to see that nothing similar happens here. According to the Act, a report must be presented to Parliament each year in respect of the board's work.

RADIO was useful last week in Wellington in establishing an alibi for a man charged with the theft of a car. It was proved that he heard a certain item from 2YA when at a party at a time which made it impossible for him to have been guilty of the offence charged against him. When I read this I was reminded of Edgar Wallace's use of radio in one of his "thrillers." The hero detective knew a young lady was a keen radio fan and would be listening to the broadcast of an opera. Tracking down the criminals, he attended that opera and suddenly had occasion to warn the girl to lock her door. Leaping to the stage, he shouted his warning into the microphone—to the dismay and hysterics of prima donna and management. But he saved the girl. Bravo, radio and Edgar!

A NEW feature to be introduced shortly in the YA programme will be a weekly half hour of recordings of the latest light and bright numbers. The titles of these records will not be available for publication as the intention is to use the newest numbers available at the last minute.

MR. HEIGH-HO did not attempt to fit appropriate music to the Vacuum Oil Company's concert—"Oil from the Bowels of the Earth to the Bowser"—Why?

ALL 2YA listeners will regret to learn of the distressing motor accident to Mr. L. W. Probert, drummer of the Salon Orchestra, and hope to hear of his speedy recovery and early discharge from hospital.

A CORRESPONDENT in a Wellington paper who has lately spent some time in the Wellington Hospital writes to say that many earphones of the radio installation are in dis-

order. There is no fund for radio repairs, and a suggestion is made that as a thank-offering for our own good health, when paying the 10/- for our own pleasure, 30 pence be forwarded to the Hospital marked "for radio repairs." My half-crown has already gone, but complete success of such a fund would be assured, if the wonderful Smith Family took the matter up.

THOSE who happened to be tuned to 2BL on Tuesday night and heard that eminent Australian of

A Sketch "ONLY A WOMAN" (Milne)

will be presented from
1YA on April 16

by
Mr. and Mrs.
J. W. Bailey

this and former days, Banjo Paterson, describe his recent visit to the New Hebrides, heard a racy recital that would make them glad that their sets reached Australia. Mr. Paterson is a born raconteur, and his humorous account of some of the experiences of early and later pioneers in these islands was spiritedly told. The natives were apparently not unlike our own Maoris, and were willing at any time to sign a paper conceding miles of territory for tobacco, knives and other implements of civilisation. The fact that another native, with or without authority, had conceded the same region a week before to some other party, did not prevent the barter being vigorously pursued, and many amusing and complex incidents naturally arose therefrom. The speaker com-

pared the New Hebrides to Java—the richest country he had ever seen—and thought that with the discarding of Condominium Control—which is no Government at all—and establishment of a rational Government where enterprise would be assured the fruits of endeavour, these islands would open up a field of wealth comparable to that of Java.

THE report of concealed wireless sets in Mt. Eden gaol reminds me how difficult it is sometimes to locate more bulky apparatus, even with the aid of the nose, as well as the eyes. I went on board the vessel that repatriated the German prisoners of war from Australia to see one whom I had known in German New Guinea prior to the outbreak of hostilities, and sampled "moonshine" that had been distilled on board by the prisoners from potato peelings. It was not very palatable, and I can understand what Will Rogers means when he says that "in the States you are either sober or dead," but I suppose it was satisfying in the circumstances. Thorough, systematic and continual search failed to reveal the whereabouts of two stills that were in almost constant operation by these prisoners.

MR. J. JOHNSON'S talk "Literature" (3YA) was listened to with much appreciation, and with the approach of Anzac Day, his mention of Masfield's "Gallipoli" will make many reach for that epic, which although written as propaganda for U.S.A. consumption, is nevertheless a gem that no library can be without.

THE bijou concert arranged by Lewis Berger wreathed about Damascus (2ZW) was very well constructed, at least so we have been taught, although I cannot connect

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"In a Persian Garden" as a musical interpretation of a Persian garden. Besides a lack of paint, there are other things about the oldest city in the world that offend the aesthetic, I should imagine. I have not been in Damascus, but have some knowledge of the countries that encompass it: Persia, Arabia and Asia Minor, and the inhabitants who, by the way, are responsible for dates never being on my menu. Then there is the camel and the goat—both offensive. The Mohammedan says that the camel wears a supercilious look because he alone heard the hundredth name of Allah. The Christian of these parts avers that the look is one of disgust because the Mohammedan vies with the camel in smell. We know now,

that the look must be one of umbrage because of unpainted walls. But would anyone like Lewis Berger to make Damascus appear brand new even to placate the "Oont," which, for the sake of those who don't know Kipling, means the camel.

2YA made amends on Tuesday morning for the breakdown during the Sydney Harbour Bridge opening celebrations in relaying from the Majestic Theatre movie-tone pictures of the scenes. Nothing more stirring has been heard for some time, and this relay being steadier than a broadcast from short-wave reception, gave listeners a realistic mental view of the throngs and their enthusiasm. A subsequent visit to the theatre left me with the impression that our isolated country folk had had on Tuesday morning the next best thing to a seat at the theatre.

KREISLER and Rachmaninoff so far have never broadcast, but it is interesting to learn that both of these world famed artists have recently transferred their entire professional management to the artists' service of the National Broadcasting Company. The change in management does not necessarily mean that these artists will broadcast, but the association is significant, and American listeners are expectantly waiting to hear them on the air.

THE Christchurch ketch "Water Lily," which is to cruise in the Pacific, has been presented with a shortwave transmitting set by Mr. F. A. McNeil. This station will be known as ZL2WL, and will operate on a wavelength of 80 metres. Messrs L. H. Steel, Government Radio Inspector, F. Graham and W. Turnbull have given much assistance in the installation of the set. Mr. F. Parsons, a member of the crew, holds a transmitting license, and will operate the station.

DUNEDIN radio fans will learn with interest of the formation of the Tramways Radio Club. Membership will not be strictly confined to employees of the Dunedin Tramways, and it is hoped that a very large membership will result. Lectures will be periodically given, and the social aspect will not be forgotten. Clubs of this description can do a lot for radio, and those interested should communicate with the

hon. secretary, Mr. R. Emmerson, care of Car Sheds, Dunedin.

THE B.B.C. intends to comb out its existing register of performers. To that end it has suspended auditions for six months with the idea of removing some four or five hundred names from the existing registers. At the same time some of the leading artists have been advised that their engagements will be severely cut down.

STATIONS 2UW, Sydney, and 3AW, Melbourne, have arranged with J. C. Williamson Ltd. for permission to broadcast complete performances of Gilbert and Sullivan operas. Owing to copyright restric-

tions this has not been possible previously, but the new departure should do a lot to popularise the Savoy Operas with the new generations.

TO replace Jack Payne's Orchestra the B.B.C. engaged Henry Hall's broadcast band. Evidently criticism of this step was general, for the authorities announced they would take no notice of any comment for three months—evidently intending to let the public become used to the new combination.

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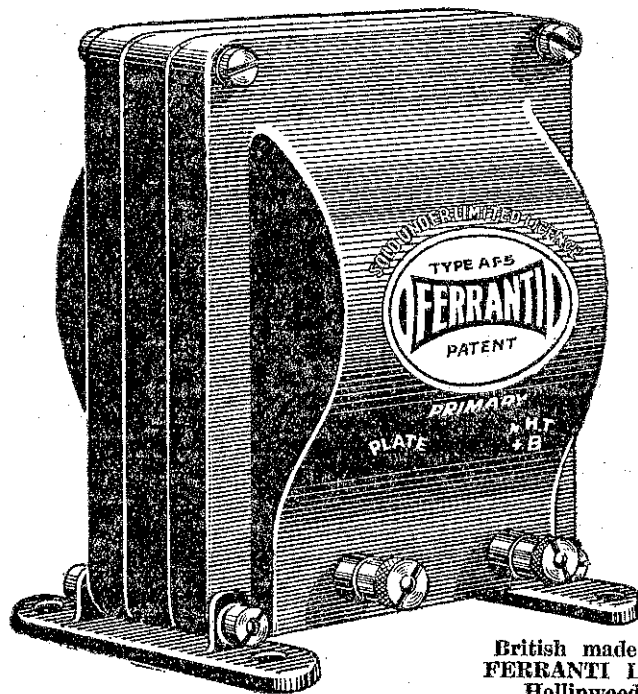
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**SORE
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for
**QUICK
RELIEF**



AS has been announced previously by brief notices, 3ZC has been taken over by The Farmers' Co-operative Association of Christchurch, Limited, of Cashel Street, Christchurch. The official opening took place on April 2 and the station now operates on a regular schedule.

The transmitting plant is the new plant which for some months has been operating in Tuam Street, but in its new location at the Farmers' Co-op. it will be entirely operated from the ordinary electric mains, no generators or other moving machinery being employed, this principle being in accordance with the most modern broadcasting principles. Until recently only very low-powered stations have been operated in this way. The system used at 3ZC is similar to that in use at 2YB, New Plymouth, and 2ZW, Wellington.

The amplifier contains a six-channel "mixer," which will permit simultaneous pick-ups from more than one studio or from the studios and outside relay points. The power of the station will remain the same for the time being, but it will be capable of being operated on 500 watts if required, the current supply available from the rectifying system being ample to drive even 3YA.

At the Farmers' Co-op. a sound-proof studio has been constructed similar to those in use at the YA stations and others throughout the world, but the whole outfit is housed on one floor, so that visitors to the station will be able to see at a glance a complete broadcasting system in actual operation.

The station will be under the direction of Mr. C. F. Woodhead, whose capable direction has been responsible for great strides being made by the station during the last twelve months.

Interesting History.

IN its four years of life 3ZC Radio Station has seen many changes. It first went on the air in December, 1927, with a power of 50 watts. Six months later a new transmitter was con-

3ZC Taken Over by Farmers' Popular Station Again On the Air

structed with a power of 250 watts, the hours of transmission being simultaneously increased. The station now moved to the front rank, giving good daylight reception beyond Wellington in the north and Dunedin in the south, and at night time good loudspeaker strength all over New Zealand.

In September, 1931, the station director, Mr. C. F. Woodhead, felt that the transmission could be improved still further. A new transmitter was kindly lent for the time being by the Radio Broadcasting Company of N.Z.

A Suggestion

A Correspondent, DX21A, writes that the Music Lovers' Competition is the brightest thing the YA stations have put on yet, but he states that it would be more interesting still if a prize could be given for the listener who entered for all four competitions and secured the highest total in the four added together. The suggestion is appreciated, but in view of the fact that the competition is under way, it is considered it would be unfair to introduce it at this stage. In any future competitions the suggestion will be borne in mind.

It was intended at the time to reconstruct the original plant and convert it into a 500-watter, but this idea was subsequently abandoned and the R.B.C.'s plant purchased instead.

To-day the many unique features of 3ZC's programmes make it very popular with both listeners and the radio trade. For four years it has filled 3YA's silent day and many other gaps in the broadcasting service of the country. The news therefore that the station has been saved for listeners by the New Zealand Farmers' Co-operative Association is indeed welcome, and with the resources of the association behind the station Christchurch listeners are in a very favourable position indeed.

The Programme.

SUNDAY.

10—11.30 p.m. Musical Items.
6.15—7.15 p.m. Dinner Music.
8—10 p.m. Concert Session.

MONDAY.

12—2 p.m. Weather Report and Lunch-hour Music.
8—10 p.m. Musical Items.

TUESDAY.

10—11.3 a.m. Musical Items and Fashions, Domestic, etc., Talks.
12—2 p.m. Weather Report and Lunch-hour Music.

2.30—4 p.m. Afternoon Concert Session.
5.30—6.15 p.m. Children's Hour.
6.15—7.30 p.m. Dinner Music.
7.30—7.45 p.m. News Items.
7.45—8 p.m. Lecturettes.
8—10 p.m. Concert Session.
10.30 p.m. Dance Music.



"THE BLACK SPOT"

A two-act play by Thomas, will be presented from 2YA on April 14.

WEDNESDAY.

10—11.30 p.m. Musical Items, Recipes, and Beauty Parlour Talk.
11.30—5.30 p.m. Silent.
5.30—6.15 p.m. Children's Hour.
6.15—7.15 p.m. Dinner Music.
7.15—7.30 p.m. News Items, etc.
7.30—8 p.m. Market Reports.
8—10 p.m. Concert Session.

THURSDAY.

10—11.30 a.m. Musical Items.
12—2 p.m. Weather Report and Lunch-hour Music.
6.15—7 p.m. Dinner Music.
7—7.15 p.m. News Items, etc.
8—10 p.m. Concert Session.

FRIDAY.

12—2 p.m. Weather Report and Lunch-hour Music.
Silent Evening.

SATURDAY.

5.30—6.15 p.m. Children's Session.
6.15—6.45 p.m. Sports Results, News Items, Weather Forecast.
6.45—7.30 p.m.

Musical Items.
7.30 p.m. Topical Talk.
8—9.30 p.m. Evening Concert Session.
9.30 p.m. Bridge Talk.
9.50—11 p.m. Dance Programme.

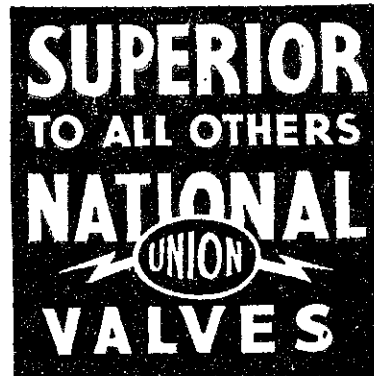
Our Mailbag

An Inaccurate Time Indicator.

THE other day a caller at the door induced me to buy for a shilling a radio time indicator. On examination it proved to be very inaccurate. For instance, Dunedin is shown to be ten minutes slow of North Island, and Brisbane, Sydney, Hobart and Melbourne are shown in that order, each being a quarter-hour slow of the preceding one, giving a difference of three-quarters of an hour between Brisbane and Melbourne time, whereas these four towns all observe the same time. These examples are sufficient to indicate the amount of care bestowed upon its compilation. No imprint appears to show whether the production is local or foreign.—G.A. (Wellington).

Service Broadcasts.

I SHOULD have been intensely amused at the remarks of your correspondents "W.S." and "A.B." had it not been for the serious results the letters might have. Have they lost all sense of proportion? Our broadcasts from 2YA most of the day and practically every evening, save a small part of Sunday, are taken up with ordinary music, much of which is jazz. Yet your correspondents write of "overdose of religious services." Are they trying to be funny or satirical, or what? Certainly in these trying days we want more music, and everything else that can cheer, comfort, and elevate. Like many others I say, give us more religious services and the more, in reason, the better for us all.—"Hopeful."



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Christchurch, Dunedin.

Answers to Correspondents

"Superhet" (Auckland): It depends how often and when you listen in. However, 26 stations in one week is fair going, especially at this time of the year.

L.M. (Northcote): We cannot understand why you receive the New Zealand and Australian stations better without an earth and the Americans better with one. Yes, 2YA were testing on the night you mention.

DX52MC (Christchurch): Yes, we are afraid it is.

"Bung" (Waikato): KTBI is not listed in the latest call-books.

DX14W: Suggestion re aerial worked well. Thanks. DX114A: What is reception like in your locality?—"Bung" (Waikato).

Identification Wanted

American heard on March 28 on approximately 950 k.c. (316 m.), coming through at R3. I heard "Nobody Cares for My Baby" at 6.15 p.m. He closed down at 6.30. Also a station (not

American) heard lately on approximately 1490 k.c. (201 m.) at about 8 p.m. [Items heard?—Ed.]—DX52MC (Christchurch).

Station heterodyning 1YA on March 24 at 7.40 p.m.—"Superhet" (Auckland).

Station on 305 m. (980 k.c.), first heard at 4.45 p.m. on March 27. A man was talking very faintly, and every now and again clapping could be heard. At 4.52 p.m. a hymn, "Stand Up," was sung, and after this the station closed without giving a call. Strength about R2. Also a station heard on March 26 at 7.50 p.m. on 263 m. (1140 k.c.) at R9. Call was clearly given as WFK, but name of town was obliterated by static. Announcer said station would be on the air at 6 a.m. the next day,

and gave his time as 12.20 a.m., so the station must be somewhere in California. —A. Greening (Inglewood).

Station on 1125 k.c. (266 m.), coming in with 2ZW, Wellington, on March 28 at R7-8. At 8.34 p.m. "In a Persian Market" was heard, followed by a band selection, "On the Cornish Coast."—"Red Bird" (Wellington).

Station heard at 8 a.m. on March 26 just below 2NC. Banjo items and singing in English were heard. What stations heterodyne 1ZW and 2ZL?—"Bung" (Waikato).

Branch Meetings

Upon going to press we received a wire from our Dunedin secretary, Mr. O. McConachie, DX120 OC, advising that the meeting of the Dunedin Dxters will take place on April 13, at 8 p.m., in the R.S.A. Rooms, Moray Place. All members of the club resident in Dunedin or nearby are urged to attend this inaugural meeting.

We congratulate DX120 OC on his enterprise in getting a meeting together and wish the Dunedin branch every success.

Christchurch Meeting

As previously announced the Christchurch meeting of dxters will take place at 8 p.m. on April 9, in the Radio Society's Room, Tisdall's Buildings, Cash Street West. It is hoped that a good number of dxters will turn out for the meeting, which has been arranged by the local secretary, Mr. Eric Watson, DX28MC.

Reports on both these meetings will appear in the May issue of the "Radio Times."

Stations Identified

DX114A (Hamilton): I heard the same programme. The station was 5CK, Crystal Brook, South Australia, relaying 5CL, and operating on 635 k.c. (473 m.). It was heard here at R8-9 on an inside aerial after 2YA had closed down.—"T.R.F." (Khandallah).

"Radio" (Wellington): Station 4 deg. below 2FC is 6WFF, Perth, on 690 k.c. (435 m.).—DX21A (Auckland).

DX Topics

A Heterodyne Problem.

RE KFI and 4YA heterodyning. "Red Bird" states that if "Economic's" set is at all selective he should be able

to separate both stations fairly easily. I do not know what set "Economic" has, but I have a nine-valve super-het, which is very selective, and I certainly bring 4YA in without KFI being heard at all. But it is impossible to bring KFI in without 4YA, a fact which "Red Bird" seems to ignore. I have listened to KFI

1ZQ Changes Hands

The Auckland B station 1ZQ has been taken over by Atwaters Piano Company Limited, and the plant has been transferred to the company's premises at the corner of Civic Square. A special studio and operating room have been designed, and the company intends to enlarge considerably the hours of transmission and to increase the power of the station.

on Thursday nights (4YA's silent night), and often wished I could hear them any night. This is impossible at present, but if 4YA shifted their frequency, as suggested by "Economic," Dunedinners would hear KFI whenever they wished. This is not a selfish request, as I have heard quite a number of Dunedin radio fans complain concerning this.—DX142 OC (Dunedin).

An Opposite View.

IN the last issue of the "Radio Record," "Economic" (Oamaru) makes a suggestion re the shifting of 4YA's frequency to allow of reception of KFI. I am only 2½ miles from 4YA, and I can invariably cut this station out in favour of KFI. If, then, 4YA were shifted to 660 k.c. (454 m.), listeners would have difficulty in tuning 2FC, Sydney, a much worse state of affairs. Such an alteration would certainly not affect me, but in the interests of fellow listeners I disagree with "Economic."—Jock (Dunedin).

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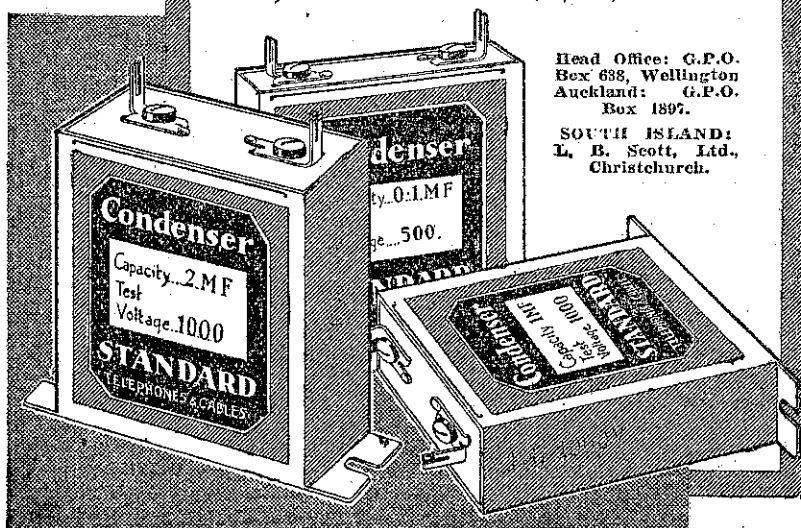
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"ECONOMY" (Ashburton).—I have a three-valve set, but cannot get Dunedin or any other station below 2YA's frequency. If I raise the detector voltage to 50 volts they can be heard at R2. There are 55 turns on the primary, 60 on the secondary, and 40 on the tickler.

A.: There are too many turns on the primary. Try bringing it in to the 18th turn from the bottom of the secondary. Does the set oscillate? If not, try reversing the tickler. Whereabouts does Wellington come in on your dial? You may have too many turns on the coil. These and other things should have been stated if we are to diagnose accurately your case.

"RADIO" (Waipawa).—Is a stage of r.f. screen-grid, detector, followed by one audio stage (pentode) superior to the usual screen-grid, ordinary detector, and two audio?

A.: It is doubtful. We think the three valves employing the screen-grid with the pentode would be just about as powerful as the four-valve set.

2. In some meters it says "resistance 200 ohms per volt." What is meant by this?

A.: It means that the total resistance of the meter is the maximum voltage multiplied by the number of ohms per volt.

3. What is the resistance per volt of a voltmeter for reading "B"?

A.: To get accurate reading you should have 1000 ohms per volt. However, 250 will give you a fairly accurate result.

"RIO GRANDE" (Auckland). Yes; if you are getting a great deal of interference in your existing aerial, try reducing it. Another good plan is to shield the lead-in, using special armoured cable.

2. Sometimes I hear quite a number of stations between 3 and 5 a.m., but have not heard any calls. What would

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Questions and Answers

be a suitable book for me to get for these call numbers?

A.: These are probably Europeans, an excellent list of which appears in the 1932 "Radio Guide," which will be on sale shortly.

3. No, do not pour oil down the earth pipe. If you want to make the earth good, douse it occasionally with salt water. Frequently the earth on an a.c. set makes very little difference.

"94 W" (Oamaru): Yes, you can use the "Sparrow Hawk" one as an adaptor for an 8-valve a.c. set, by using the detector valve of the broadcast set and running it from the power-pack. See the 1931 "Radio Guide" for a full explanation of how the "Sparrow Hawk One" can be used as a shortwave adaptor.

2. Why do the "dead spots" on the dial of the "Differential One" shift and disappear on different days?

A.: It is probably due to dampness in the air affecting either the choke or the aerial.

"BEGINNER" (Auckland).—You would probably get better results by increasing your aerial as suggested. You can cut down the interference from IYA by using either a wavetrap or a band-pass filter. Wavetraps have been frequently described in the "R.R." and a band-pass filter will appear in the 1932 "Radio Guide."

H.K.S. (Auckland).—The "Knife Edge Receptor" could be used satisfactorily on your set, although the one in it at present is of the "Knife Edge" type. A still better plan would be to use a band-pass filter, such as is described in the 1932 "Radio Guide."

"ARIEL" (Dunedin).—Body effect quite frequently improves signal strength, and it appears to be doing so in your case. Yes; you could do away with the potentiometer grid return, but you would probably have less smooth reaction. We are glad to know you have secured good results on the "Sparrow Hawk One." It is a good set.

"POWERTONE" (Dunedin). Yes, in the "R.R." March 8, 1929, we described very fully the construction details of a moving coil loudspeaker. These numbers, unfortunately, are sold out completely. It is possible, though we are not making any promises, that constructional details of such a speaker will be given in the "Radio Times."

F.G. (Timaru).—What are the details of s.w. coils for the "Cossor Melody Three"?

A.: The s.w. coils are wound on formers identical with those used on the broadcast band. Winding of the r.f. coil is started from the plate pin. A tap is taken at the first turn to the right filament pin

(looking down on the former with plate pin nearest), and the 4th turn is taken to the left filament pin. Windings are spaced 3-8in. The grid coil is started at G, and P, which are shorted on the coil. Three turns spaced 3-8in. are placed on, a tap being taken to the right filament pin. Then four further turns, close wound, are put on, the end being taken to the other filament pin.

"JACKO" (Otahuhu): Theoretically your 50 ampere hour accumulator can go up to 5 amps charge, but it is better to keep it under this. Really, for safe working 3 amps should be employed. It should not be run at a temperature of 100 degrees. Write Phillips Lamps, Ltd., Wellington, for literature on their 3003 "B. and C." eliminator. This will tell you how you can calculate the voltage for different loads.

DX127A (Rotorua Line): Yes, the efficiency of your aerial is to a certain extent offset by the proximity of your roof.

2. If your set is designed for 220 volts, and you are putting it on 230, you are not doing a considerable amount of harm.

All the voltages are about 5 per cent. high, but this is not particularly serious.

R.H.R. (Lower Hutt): Lucky man. Yes, the broadcast coils for the "Round the World Three" will be quite suitable for England, and the set will be quite satisfactory for British conditions. You will have to use a loading coil to get the long-wave station. Better wait until you get there before you make your loading coils, however, as the English technical publications will be able to tell you more about the reception of those long-wave stations than we can.

"URGENT" (Dunedin): Your short aerial is not very short. You should reduce it much below 50 feet if you desire really satisfactory selectivity.

DX14NW (Hokitika): The claim sounds rather extravagant, but we can have nothing to say about it until we have either seen or tested it.

"NEW CHUM" (Christchurch): According to the regulations, you must use at least 7/22 gauge wire for the lead-in. Enamelled would be quite satisfactory, as this size in rubber covered would be expensive and weighty. An insulated wire will bring in quite as much noise as an uninsulated one. Probably you are thinking of an armoured cable.

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"Television News," Gernsback, April issue, 2/-.
Loomis's "Radio Theory and Operating" (U.S.A.) 32/6. A good book for any amateur or operator.
Henney's Principles of Radio," 26/6.
Morecroft's new book "Experimental Radio Engineering" (51 experiments), 25/-.
"Practical Testing Systems," by Rider, 3/-.
- Leutz & Gable's "Short Waves," 19/- (A wonderful book on subject).
"Radio Retailing" (U.S.A. monthly), 2/1 per copy.
"Radio Amateur Handbook" (Handy's 9th edition), 6/6.
"Radio News," Oct., Nov., Feb., March, April, 2/- each.
"Q.S.T.," Sept., Oct., Nov., Dec., Jan., Feb., March issues, 2/- each.
Scott's Broadcast Time Chart (including log and complete list of world's long and S.W. stations), 7d.
"Wireless: The Modern Magic Carpet," by Ralph Stranger, 5/- (New stocks just arrived—The "Radio Record" and Mr. Dawson, Phillips Lamps, say no set owner should miss this).
"Radio Call Book and Technical Review," (formerly Citizens' Call Book Quarterly), 2/-.
Mack's List of World Short-wave Stations, 7d. (Don't miss this).
"Radio Physics Course," by Ghirardi—revised and enlarged. Answers every question on Radio, Electricity, Television and Talks. First lot sold on sight. More stock arrived. 30/-.
"Mathematics for Practical Man," by Howe, Simplicity itself, 10/9.
"Radio: A Study in First Principles," by Burns, 15/- (Simple and clear).
"Elements of Radio Communication," by Morecroft, 18/6.

(Please note there is a rise of approx. 33 per cent. on all American publications, and don't blame us.)

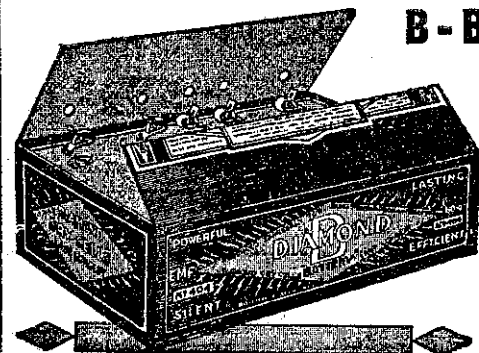
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Programme Features

SUNDAY

Auckland Notes

THE evening service in St. David's Church will be broadcast, the Rev. W. Bower Black, LL.B., being the preacher, with Mr. E. C. Craston at the organ. The broadcast of a concert to be given in Albert Park by the Auckland Municipal Band will follow.

Wellington Features

AT 3 p.m. a relay will take place from the Town Hall, where there is to be a Salvation Army rally, at which General E. J. Higgins will speak on "Salvation Army Activities." The Hon. Sir Michael Myers will preside, and Lord and Lady Bledisloe will be present.

A choir of 150 voices and the Salvation Army Band will contribute to the musical programme. At 7 o'clock the service conducted in Vivian Street Baptist Church by Pastor W. G. Carpenter will be relayed. Afterward a concert by the Royal Naval Volunteer Reserve Band under Mr. Harry Baker, will be broadcast.

3YA Selections

THE service conducted in Trinity Congregational Church, Christchurch, by the Rev. D. Gardner Miller will be broadcast. Mr. Len Boot will be at the organ, with Mr. Jas. Shaw as choir conductor. Recorded items will predominate in 3YA's after-church programme (which will also be broadcast by 4YA, Dunedin, and 4ZP, Invercargill).

An interesting feature of the programme will be the playing of the First Movement of Rachmaninoff's second Concerto by Lucy Fullwood, pianiste, or orchestral accompaniment.

The local vocalists for the evening will be Anita Ledsham and Percy Nicholls. Mr. Nicholl's songs will include Sullivan's beautiful "Thou Art Passing Hence My Brother," and two operatic numbers, sung in Italian.

From 4YA

THE evening service in St. John's Anglican Church, Roslyn, will be broadcast. The Ven. Archdeacon Fitchett will be the preacher, with Mr. W. H. Allan as choirmaster. A relay of 3YA's studio concert will follow.



MAVIS DILLON,

a talented young pianiste, who, together with Vinogradoff, the celebrated Russian pianist, presented two piano numbers from 2YA recently.

MONDAY

Features from Wellington

MRS. A. P. TRUDA (soprano) and Mary Bald (contralto) will be the vocalists to-night. They will be heard in solos and duets, a number of which will be new to listeners. Further vocal numbers will be provided by recordings.

Pianoforte solos will be played by Ernest Jenner and the 2YA Orchestra, under Signor A. P. Truda, will contribute its share to the evening's instrumental programme.

At 9 p.m. Mr. von Haast will give one of his travel lecturettes, this time on "Florence and the Renaissance."

Items from Christchurch

UNDER Lieutenant C. H. Hoskin, the band of the First Canterbury Regiment will provide the concert programme.

Dunedin Notes

THE next instalment of the 4YA Music Lovers' Competition will be broadcast at 7.35.

The recorded programme will be one of wide variety. At 9 p.m. Dr. Walter Boroman will give a talk on "Problems of Population."

TUESDAY

From Auckland

A PROGRAMME of recordings, with a talk at 9 by Mr. Julius Hogben, Lecturer in International Law at Auckland University, will be broadcast.

Wellington Items

THE Salon Orchestra's programme will include the "Rigoletto" selection, ballet music, a concert suite, "Tales of Moonlight," and some of the latest dance novelties. Noho Toki (tenor) will broadcast two Maori songs, Gracie Kerr and J. H. Cooke will present two sketches.

At 9.30 p.m. Karl Atkinson will give a gramophone lecture-recital, "The Peasant in the Palace."

Items from 4YA

A CONCERT, to be given in the Dunedin Town Hall by the Dunedin Philharmonic Society and assisting artists, will be broadcast. The society's conductor is Signor R. Squarise, R.C.T.M.

WEDNESDAY

Topics from Auckland

THE programme will be provided by the Auckland Provincial Federation of Women's Institutes.

Featurettes

Dunedin Philharmonic Society

4YA, Tuesday.

Lyric Quartet

1YA, Thursday.

The 2YA-leans

2YA, Thursday.

Gordon Bryan, Pianist

1YA, Friday.

British Isle Programme

3YA, Friday.

Phil Smith, Comedian

2YA, Saturday.

From 9.30 till 11 p.m. dance music will be relayed from the Peter Pan Cabaret, interspersed with recorded items from the studio.

Jottings from 2YA

THE recorded programme will contain a number of the latest recordings. At 9 o'clock Dr. Guy H. Scholefield will give his weekly topical talk.

Christchurch Notes

TO-NIGHT'S programme will be of a classical nature. The Salon Orchestra, under Francis Bate, will play "Slavonic Rhapsody," "Star of Eve," the "Jevington Suite," and other fine items. On the vocal side, Belle Renaut (contralto) and Phillip W. Yorke (baritone) will provide several numbers. A particularly fine selection of recordings will be broadcast.

During the evening, Mr. L. R. R. Denny, M.A., will give a talk on "Drama and Music in Java."

Jottings from Dunedin

"HALF the battle—a well-groomed appearance" is the subject of the afternoon talk at 4YA by the Home Science Extension Department of Otago University.

The vocal portion of the concert programme will be contributed by Kathleen A. Woods (contralto), J. Kennedy (tenor), F. E. Woods (bass). The songs will include a number of old favourites. Pettitt's Octet will provide an attractive programme.

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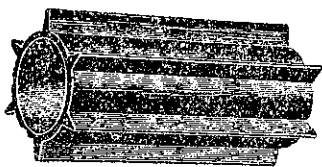
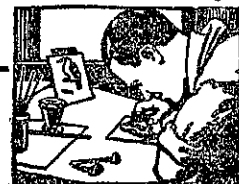
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THURSDAY

Notes from 1YA

THE Lyric Quartet will provide the vocal portion of the musical programme. A number of recordings will be introduced, including a novelty, "Australian Bird Calls." Mr. J. C. Brougham, who has been entertaining listeners with his experiences in the French Foreign Legion, will narrate how he got out of the Legion.

Jottings from Wellington

UNDER the auspices of the W.E.A., Professor Von Zedlitz will give the first of a series of talks on "The Pleasures of Reading."

The 2YAleans have worked up another entertainment for 2YA.

Remember the last one? This will be equally as good. The 2YAleans comprise Lynda Hastings, Joyce Woodward, Will McKeon, Fred Barker and Owen Pritchard, assisted by Frank Crowther and the Majestic Lounge Instrumental Quintet.

From 8 to 9, a Happy-go-Lucky Hour will be presented. One of the items will be rhythmic tap dancing by Muriel Wilton.

In the second half of the programme, the 2YAleans will present a two-act comedy, "The Black Spot" (by Thomas).

Notes from Christchurch

A PROGRAMME of popular recordings will be broadcast to-night.

FRIDAY

1YA Topics

A SPECIAL attraction on a special programme will be a recital by Gordon Bryan, the distinguished English pianist, now on a visit to New Zealand.

FOR half-an-hour music lovers will enjoy a galaxy of pianoforte items played by this truly great artist. The Moore Sisters, a talented instrumental

trio (violin, 'cello, and piano), are also on this evening's programme. Sylvia Dobbs (soprano), Phyllis Gribbin (contralto), and Barry Consey (baritone) will also take part. Orchestral numbers will be introduced by means of recordings.

At 9 o'clock there will be an entertaining interlude when Arthur Ross will talk on "The Origin of Popular Superstitions and Customs."

Wellington Items

CHRISTINA ORMISTON will sing "Eileen Alannah," "Gather Ye Rosebuds," "Don't Hurry," and "Scenes that are Brightest," while Claude Moss will be heard in three little Mexican songs and "For the Green." Signor Truda has arranged an attractive programme for the Orchestra.

3YA Schedule

A "British Isle Programme" will be presented to-night, when English, Scottish, Welsh, and Irish tunes will be sung and played. Nor will the Isle of Man be overlooked.

THE programme will be redolent of the national spirit of Britain. Mrs. Winifred Andrews (mezzo-contralto) and Percy Caithness (baritone), with the Studio Orchestra (under Harold Beck), will be the local artists, while a number of recordings, both vocal and instrumental, will be introduced.

Dunedin Items

HERALDING the football season, Mr. R. McKenzie will give a talk from 4YA on "Rugby Prospects and the Season's Players."

Arthur G. Frost and his Symphonic Dance Orchestra will intersperse popular melodies throughout the variety programme.

SATURDAY

Features from Auckland

A WEEK-END variety programme will be presented. The Mounce Sisters will sing popular songs, Northland's Hawaiians will entertain with some of the latest airs, as also will Reno and Arta, on xylophone and marimba. Mr. and Mrs. J. W. Bailey are to present a twenty minutes' sketch. On the programme also appears a fine baritone, Wilfred Scott, singing four varied numbers.

2YA Topics

PHIL SMITH, comedian, of the J. C. Williamson Company, will give two humorous turns on 2YA's programme, his numbers being "Wottle" and "Riley's Cowshed."

The Lyric Quartet will provide a vocal programme of solo and concerted numbers, all of a bright and happy nature. Muriel Johns is scheduled for a series of songs at the piano.

3YA and 4YA

CICELY AUDIBERT will be heard in soprano solos, and Ernest Rogers will present some favourite tenor songs. Recorded numbers will fill a big section of the programme, and there will be an imaginary broadcast of a vaudeville show twenty-five years ago.

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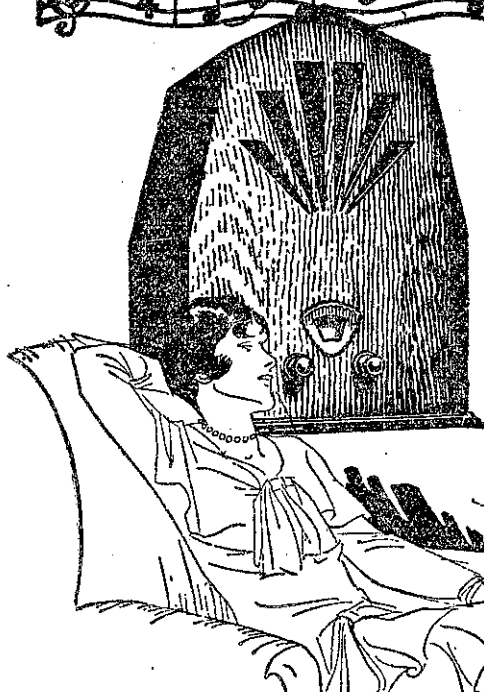
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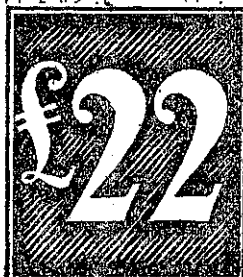
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Programmes for Week ending April 17

SUNDAY . . . [April 10]

1YA (875 Kc.)—SUN., APRIL 10.

2.0—Selected recordings, and Literary selection.

4.30—Close down.

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

7.0—Relay of service from St. David's Church. Preacher: The Rev. W. Bower Black, LL.B. Organist: Mr. E. C. Craston.

8.30—Relay from Albert Park of the Auckland Municipal Band concert. Conductor: Mr. Geo. Buckley. March The Band, "Our Fleet" (Safroni). Overture, The Band, "Raymon" (Thomas). Cornet, Messrs. F. Bowes (Thomas). Cornet duet, Messrs. F. Bowes and J. Davies, "Birds of the Forest" (Mayr). Selection, The Band, "Reminiscences of Sullivan" (Winterbottom). Piccolo, Mr. Hal. C. McLennan, "La Touretterella" (Darnare). Suite, The Band, "Ballet Egyptian" (Luigini). Intermezzo, The Band, "Wedgwood Blue" (Ketelbey). Selection, The Band, "Tschakowsky's Works." Musical Idyll, The Band, "The Smithy in the Wood" (Michaelis). Hymn, The Band, "Come Ye Thankful People Come." March, The Band, "Ridgewood" (Plater). Selected recordings.

10.0—Close down.

2YA (720 Kc.)—SUN., APRIL 10.

2.0—Selected recordings.

3.0—Relay from Town Hall of lecture by General E. J. Higgins, Salvation Army, "Salvation Army Activities." Hon. Sir Michael Myers, P.C., K.C.M.G., will preside. Their Excellencies The Governor-General and Lady Bledisloe will be present. A choir of 150 voices and the Salvation Army Band will render appropriate music.

6.0—Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from St. Matthew's Anglican Church.

7.0—Relay of evening service from the Vivian Street Church of Christ. Preacher: Pastor W. G. Carpenter. Organist: Miss Hazel Hunter.

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

3YA (980 Kc.)—SUN., APRIL 10.

2.0—Gramophone recital.

4.30—Sports results and close down.

5.30—Children's Song Service by the children of Trinity Congregational Church.

6.15—Selected recordings.

6.30—Relay of evening service from Trinity Congregational Church. Preacher, Rev. D. Gardner Miller. Organist, Mr. Len Boot. Choir conductor, Mr. Jas. Shaw.

7.45—Selected recordings.

8.15—Overture, Studio Orchestra (Harold Beck, conductor), "Alceste" (Gluck).

8.22—Recording—Vocal, Winnie Melville and Derek Oldham, "Nocturne" (Chopin).

8.26—Recording—Violin, Leo Cherniavsky, "Paderewski's Minuet" (Paderewski-Kreisler)

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8.29—Mezzo-contralto, Mrs. Anita Ledsham, (a) "Song to Spring" (Wolf); (b) "May's Coming" (La Forge).

8.34—Recording—Organ, Edward d'Evry, "Meditation" (d'Evry).

8.38—Recording—Quartet: Hubert Eisdell, Hiddle Nash, Dennis Noble, Norman Allin, "I Know of Two Bright Eyes" (Glutsam).

8.41—Tenor—Mr. Percy Nicholls, (a) "Non Plangere Liu" (Puccini), (b) "A Red Rosebud" (Murray Gibbs).

8.45—Piano—Miss Lucy Fullwood, with Studio Orchestra, "1st Movement of 2nd Concerto" (Rachmaninoff).

9.5—Weather forecast and station notices.

9.7—Recording—Debroy Somers Band, "Stealing Thro' the Classics" (The Masters).

9.15—Recording—Bass, Robert Easton, "Songs of Hybrias the Cretan" (Elliott).

9.19—Intermezzi—Studio Orchestra, (a) "Harvest Festival" (Ames), (b) "To a Wild Rose" (Macdowell), (c) "Minuet All Antico" (Karganoff).

9.27—Recording—Soprano, Gladys Monerleff, "Farewell" (Fraser-Simson).

9.31—Recording—Cello—Gaspar Casado, "Butterflies" (Harty).

9.34—Mezzo-contralto—Mrs. Anita Ledsham, (a) "Under the Blossoming Trees" (Bohm), (b) "La Nuit" (Hahn).

9.40—Recording, piano—Jan Cherniavsky, "Au Couvent" (Borodine).

9.43—Tenor—Mr. Percy Nicholls, (a) "Nessum Dorma" (Puccini), (b) "Thou

Art Passing Hence, My Brother" (Sul-Ivan).

9.49—Instrumental—Studio String Quartet, "Canzona" (Hasse).

9.53—Recording—Quartet: Hubert Eisdell, Hiddle Nash, Dennis Noble, Norman Allin, "Meet Me By Moonlight Alone" (Batten).

9.56—H. M. Grenadier Guards' Band, "The Rose" (arr. Myddleton).

10.4—Close down.

4YA (650 Kc.)—SUN., APRIL 10.

2.0—Selected recordings.

4.30—Close down.

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

6.15—Selected recordings.

6.30—Relay of evening church service from St. John's Anglican Church, Roslyn. Preacher, Ven. Archdeacon W. A. R. Fitchett, M.A. (Cantab.); choirmaster, Mr. W. H. Allan.

7.45—Selected recordings.

8.15—Relay of concert from 3YA.

10.0—Close down.

2YB (1230 Kc.)—SUN., APRIL 10.

7.30 to 8.15—Church relay.

8.15 to 10.0—Studio concert.

MONDAY . . [April 11]

1YA (875 Kc.)—MON., APRIL 11.

SILENT DAY.

A "Happy-go-Lucky Hour"

Will be presented by

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Assisted by

Frank Crowther and the Majestic Quintet

From

2YA

On

April 14



As a special feature Muriel Wilton will introduce
the latest Rhythmic Tap Dancing

2YA (720 Kc.)—MON., APRIL 11.

10.0: Selected recordings.

11.12: Lecturette, "Cooking."

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

12.0: Lunch music.

2.0: Selected recordings.

3.0: Mrs. Higgins, wife of General Higgins, a talk on "A Message to the People of New Zealand."

4.30: Sports results.

4.55: Close down.

5.0: Children's Hour conducted by Uncle Jeff.

Dinner Music.

6.0: Paul Godwin's Orchestra, "Rejoicings," march (Schweitzer); "Coppelia Ballet," fantasy (Delibes).

6.12: Polydor String Orchestra, "Offenbachiana" (Conradi-Daebitz); Mandoline and Lute Orchestra, "Minuet in G" (Beethoven); The Berlin Philharmonic Orchestra, "Titus" Overture (Mozart).

6.29: Godwin's Orchestra, "The Divorced Lady" Medley (Fall); "Aubade" Serenade (Schweitzer).

6.42: Great Symphony Orchestra, "Vienna Operetta Revue" (Robrecht); Mandoline and Lute Orchestra, "Norwegian Dance" (Grieg).

6.54: Berlin Philharmonic Orchestra, "Le Nozze di Figaro" (Mozart).

7.0: News and reports.

7.30: Talk, "Wool Week."

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

Concert Programme.

8.0: Recording: Paul Godwin Orchestra, "The Czarewitsch" (Lehar).

8.9: Soprano, with orchestra, Mrs. A. P. Truda, "Sweet Pretty Maiden" (Salvator Rosa).

8.13: Pianoforte, Ernest Jenner, "Scherzo in B Flat Minor" (Chopin).

8.21: Recording, Richard Tauber (tenor), "Legend of Kleinsach" (Offenbach); "Hoffmann's Aria" (Offenbach).

8.29: Selection, 2YA Orchestra (conductor, Signor A. P. Truda), "Traviata" (Verdi).

8.39: Contralto, Mary Bald, Fisher Lad (Day).

8.42: Recording, Noel Coward (baritone), Any Little Fish (Coward); Dance, Little Lady (Coward).

8.48: Duet, with orchestra, Mrs. A. P. Truda and Mary Bald, Passione (Ranzato).

8.52: Instrumental, 2YA Orchestra,

(a) Coronach (Barratt).

(b) Chinese Serenade (Fliegé).

9.0: Weather report and station notices.

9.2: Lecturette, H. F. Von Haast, Florence and the Renaissance (Part 1).

9.17: Soprano, Mrs. A. P. Truda,

(a) Harlequin (Drigo).

(b) Dreams (Huristone).

9.24: Pianoforte, Ernest Jenner, (a) Nocturne in C Minor (Chopin)

(b) Study in G Flat (black key study), (Chopin).

9.32: Recording, Richard Tauber (tenor),

(a) O Rose Marie, I Love You (Friml).

(b) Indian Love Call (Friml).

9.40: Contralto, Mary Bald,

(a) Before the Dawn (Lang),

(b) Salaam (Lang).

9.46: Selection, 2YA Orchestra, Manon (Massenet-Riviere).
10.0: Dance programme.
11.0: Close down.

3YA (980 Kc.)—MON., APRIL 11.
3.0: Gramophone recital.
4.30: Sports results. Close down.
5.0: Children's hour, conducted by "Uncle John."

Dinner Music.

6.0: Menorah Symphony Orchestra, "Shulamith" Selection (Goldfaden); O. Amers and the Eastbourne Municipal Orchestra, "Second Serenata" (Toselli, arr. Geehl); Zurich Tonhalle Orchestra, "Andante" (Mozart).

6.14: Halle Orchestra, "Rosamunde Ballet Music" (Schubert): (1) "Andantino," (2) "Allergo Moderato and Andante"; Band of H.M. Grenadier Guards, "Lo, Here the Gentle Lark" (Bishop, arr. Godfrey); Bournemouth Municipal Orchestra, "Echoes of the Valley" (Gennin).

6.30: J. H. Squire Chamber Orchestra, "L'Arlesienne" Suite (Bizet). (a) "Minuet"; (b) "Intermezzo."

Eastbourne Municipal Orchestra, "Tarantelle" (Saint-Saens); Zurich Tonhalle Orchestra "Gavotte" from "Idomeneo" (Mozart).

6.44: Menorah Symphony Orchestra, "Bar Kochba—Selection" (Goldfaden); Band of H.M. Grenadier Guards, "La Benediction des Poignards" (Meyerbeer).

6.55: Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).

7.0: News and reports.

7.20: Talk, Wool Week.

7.30: Workers' Educational Association Session, Dr. D. B. McLeod "Astronomy" (Part 1).

Concert Programme.

8.0: March, Band of 1st Canterbury Regiment (conductor, Lieut. C. H. Hoskin), "Knight of the Road" (Greenwood); Idyll, "Harvest Moon" (Picquard).

8.10: Recording, Westminster Glee Singers,

(a) "The Bells of St. Michael's Tower" (Stewart),

(b) "Londonderry Air" (arr. Branscombe).

8.16: Piano, Agnes Shearsby,

(a) "Prelude in C Sharp Minor" (Rachmanoff),

(b) "Music Box Novelty" (Lieblich).

8.23: Tenor, Albert Carlisle, "You're Just a Flower From an Old Bouquet" (Denni).

8.27: Fantasia, Band, "Maid of Orleans" (X. Laurent).

8.37: Contralto, Mrs. D. W. Stallard,

(a) "When the Tide Comes in" (Barnby),

(b) "A Pearl for Every Tear" (Liddle).



Roy Hill

Whose fine tenor voice has made him a firm favourite with 2YA listeners. He will next appear on April 16.

—Jauncey Studio.

Dinner Music.

6.0: Berlin State Opera Orchestra, "Oberon—Overture" (Weber); De Groot and the Piccadilly Orchestra, "Awake" (Woodforde-Finden); Arthur de Greefe and the Royal Albert Hall Orchestra, "Hungarian Fantasia" (Liszt).

6.26: J. H. Squire Celeste Octet, "Amoureuse Valse" (Berger); Marek Weber and his Orchestra, "La Tosca—Potpourri" (Puccini, arr. Tavan); Instrumental Trio, Fritz Kreisler, Hugo Kreisler, and M. Raucheisen, "Marche Miniatures Viennoise" (Kreisler).

6.41: B.B.C. Wireless Military Band, "Le Reve Passe" (Helmer); De Groot and the Piccadilly Orchestra, "The Temple Bells" (Woodforde-Finden); Berlin State Opera House Orchestra, "Samson and Delilah—Ballet Music"; Fritz Kreisler, Hugo Kreisler, and M. Raucheisen, "Syncopation" (Kreisler).

6.56: J. H. Squire Celeste Octet, "Valse Blue" (Marquis).

7.0: News and reports.

7.35: Music Lovers' Competition (Fifth Series).

Concert Programme.

8.0: Programme of recordings: Overture, Bournemouth Municipal Orchestra, "The Bronze Horse" (Auber).

8.8: Baritone, A. Kisseburgh,

(a) "Song of the Flea" (Mousorgsky),

(b) "Danny Deever" (Darmrosch).

8.16: Cembalo Linde,

(a) "Passacaglia" (Handel),

(b) "Le Coucou" (Daquin).

8.24: Selection, Regal Cinema Orchestra "Sally" (Kern).

8.32: Humour, Will Fyffe,

(a) "Dr. McGregor" (Fyffe).

(b) "The Engineer" (Fyffe).

8.40: Selection, Squire Celeste Octet, "Everybody's Melodies" (arr. Squire).

8.48: Violin, Edith Lorand, "Two Russian Folk Songs" (arr. Kreisler).

8.52: La Scala Chorus,

(a) "With Enjoyment this Night" (Verdi).

(b) "We Are Brave Matadors Come in Glory" (Verdi).

9.0: Weather report and station notices.

9.2: Talk, Dr. Walter Boroman, "Problems of Population."

9.18: Suite, Berlin State Opera House Orchestra, "From Foreign Parts" (Mozzkowski),

(1) "Italy."

(2) "Germany."

9.24: Soprano, Elizabeth Gero,

(a) "L'Estasy" (Arditi),

(b) "Chanson Espagnole" (Delibes).

9.32: Selections, Grand Symphony Orchestra.

(a) "Barcarolle" (Offenbach),

(b) "Entr'acte" (Offenbach).

9.40: Chorus, The Sieber Choir, "Roses of the South" (Strauss).

9.48: Piano, Wilhelm Backhaus,

(a) "Moment Musicale" (Schubert),

(b) "Traumes Wirren" (Schumann),

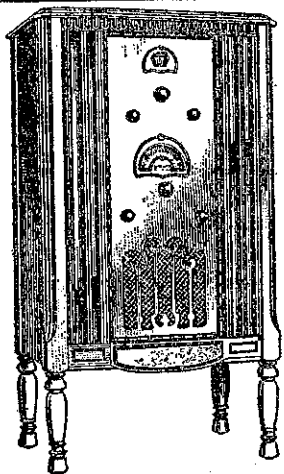
(c) "Berceuse" (Chopin).

9.54: Selection, Debroy Somers Band, "The Singing Fool" (arr. Connelly).

10.1: Close down.

2YB (1230 Kc.)—MON., APRIL 13.

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



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TUESDAY . . [April 12]**1YA (875 Kc.)—TUES., APRIL 12.**

3.0: Selected Recordings and Literary Selection.

4.30: Sports results and close down.

5.0: Children's hour, conducted by "Uncle Dave."

Dinner Music.

6.0: Creatore's Band, "Semiramide—Overture" (Rossini); Poltronieri String Quartet, "Canzonetta," from "Quartet in E" (Mendelssohn); Herman Finck and his Orchestra, "Gaiety Echoes" (Moncton).

6.16: Columbia Symphony Orchestra, "Selection from 'Faust'" (Gounod); Organ, G. T. Pattman, "Cherie," Waltz (Valentine); Bernado Gallico and his Orchestra, "The Clock is Playing" (Blaauw).

6.31: J. H. Squire Celeste Octet, "Everybody's Melodies" (arr. J. H. Squire); Poltronieri String Quartet, "Serenade from Quartet in F" (Haydn); The Band of the Garde Republicaine of France, "Carmen—Entr'acte" (Bizet).

6.49: Organ, G. T. Pattman, "Worryin'" Waltz (Faiman); Bernado Gallico and his Orchestra, "The Dance of the Dwarfs" (Noack).

Programme of Recordings.

8.0: Berlin State Opera House Orchestra, Manfred (Schumann).

8.13: Baritone, Gerhard Husch, (a) Hatdein helmatisches Land (Verdi),

(b) Sonst spielt ich mit Szepter und Krone (Lortzing).

8.21: Waltz, Vienna Philharmonic Orchestra, Dorfschwalben (J. Strauss).

8.29: Descriptive, Band of H.M. Grenadier Guards, Voyage in a Troopship (arr. Miller).

8.37: Piano, Myra Hess, Allegro Moderato, from Sonata in A Major (Schubert).

8.45: The Variety Singers, Music from Hall of Memories.

8.53: Mitja Nikisch, with his Jazz Symphony Orchestra, Strauss Parody (Eben).

9.1: Evening weather forecast and announcements.

9.3: Talk, Mr. Julius Hogben, An International Talk (arr. Hogben).

9.23: Don Cossacks Choir, (a) Korsakan Wiegellied (Gretschaninoff-Tschaikowsky),

(b) In der Kirche (Gretschaninoff-Tschaikowsky).

9.31: Philadelphia Symphony Orchestra, Bacchanale (Saint-Saens).

9.35: Comedian, Dick Robertson, (a) Singin' in the Bath-tub (Cleary),

(b) Lady Luck (Perkins).

9.41: Xylo-Marimba Orchestra, (a) Along Miami Shore (Warren),

(b) My Sweetheart (Nelson).

9.47: Contralto, Marie Morrissey, (a) Quiet (Sanderson),

(b) Without Thee (Hugo).

9.55: Violin, David Wise, Canzonetta (d'Ambrosio).

9.56: One Step, Debroy Somers' Band, Hungarian Medley (arr. Somers).

10.2: Close down.

2YA (720 Kc.)—TUES., APRIL 12.

10: Selected recordings.

11.12: Lecturette, "Fabrics and Fashions."

12.0: Lunch music.
2: Educational session.
3: Selected recordings.
3.30 and 4.30: Sports results.
4.55: Close down.
5: Children's hour, conducted by Jumbo.**Dinner Music.**

6: Herman Finck and His Orchestra, "Melodious Memories" (arr. Finck); Jacques Jacobs Ensemble, "Wiener Blut" (Strauss).

6.12: J. H. Squires, Celeste Octet, "Twilight on the Waters" (Squire); Jacques Jacobs's Ensemble, "Espana" Waltz (Waldteufel); Regal Orchestra, "Pagliacci" Selection (Leoncavallo).

**Albert Carlisle**

Who will present tenor solos from 3YA on April 11.

6.27: Jacques Jacob's Ensemble, "Sobre Las Olas" (Rosas); J. H. Squire's Celeste Octet, "The Piccaninies' Picnic" (Squire); Court Symphony Orchestra, "The Windmill Man."

6.41: Plaza Theatre Orchestra, "The Three Bears" (Coates); Herman Finck's Orchestra, "Schubertiana" (arr. Finck).

6.56: Jacques Jacob's Ensemble, "L'Estudiantina" Waltz (Waldteufel).

7: News and reports.

7.40: Lecturette, representative Agricultural Dept.—For the Man on the Land.

Concert Programme.

8: Recording, Debroy Somers Band, "The Desert Song" (Romberg).

8.3: Tenor, Noho Toki—

(a) "Little Maori Maid, Good-bye" (Murray-Gibbs).

(b) "Home, Little Maori, Home" (Hill).

8.14: Selection, Salon Orchestra (Conductor, M. T. Dixon), "Rigoletto" (Verdi).

8.24: Sketch, Gracie Kerr and James Cooke, "Exception to the Rule" (Pettus).

8.30: Recording, Bertini Bros. —

(a) "Medley of Stephen Foster Melodies."

(b) "Wedding Chimes" (Reser).

8.36: Tenor, Noho Toki—
(a) "Lorraine" (Sanderson).
(b) "Sweet Early Violets" (Sherington).
8.42: Ballet music, Salon Orchestra, "Two Little Dances" (Finck).
8.54: Recording, The Revellers—
(a) "Dream River" (Brown).
(b) "Mammy is Gone" (Henderson).

9: Weather report and station notices.

9.2: Suite, Salon Orchestra, "Tales by Moonlight" (Thomas).

9.12: Sketch, Gracie Kerr and James Cooke, "Reggie's Mistake" (Masefield).

9.24: Instrumental, Salon Orchestra, Dance Novelities.

9.30: Gramophone Lecture Recital, Karl Atkinson, "The Peasant in the Palace."

10: Close down.

3YA (980 Kc.)—TUES., APRIL 12.**SILENT DAY.****4YA (650 Kc.)—TUES., APRIL 12.**

3.0: Selected recordings.

4.30: Sports results and close down.

5.0: Children's hour, conducted by Wendy and Aunt Leonore.

Dinner Music.

6.0: Milan Symphony Orchestra, "Mignon, Overture" (Thomas); Circolo Mandolinistico Giuseppe Verdi of Leghorn (Mandolin Band), "La Traviata" Prelude Act 1 (Verdi); New Concert Orchestra, "Hydropaten" Waltz (Gungl); Organ, Stanley MacDonald, "Nicolette" (Batten, Campbell and Connolly).

6.18: Court Symphony Orchestra, "The Gondoliers" Selection (Sullivan); Regimental Band of H.M. Grenadier Guards, "La Benediction Des Poignards" (Meyerbeer); J. H. Squire Celeste Octet, "Mignon—Introduction Et Romance" (Thomas).

6.33: Orchestre Symphonique de Paris, "L'Arlesienne" (Bizet), "Incidental Music—Prelude—Overture Act 1" Parts 1 and 2; Circolo Mandolinistico Giuseppe Verdi of Leghorn (Mandolin Band), "La Traviata—Prelude, Act 4" (Verdi); New Concert Orchestra, "Jolly Fellows"—Waltz (Vollstedt).

6.47: Regimental Band of H.M. Grenadier Guards, "Lo! Here the Gentle Lark" (Bishop, arr. Godfrey); Organ, Stanley MacDonald, "Was it a Dream?" (Coslow).

6.53: J. H. Squire Celeste Octet, "Mignon—Polonaise" (Thomas).

7.0: News and reports.

8.0: Relay from Concert Chamber of Dunedin Town Hall of concert by the Dunedin Philharmonic Society. Conductor: Signor R. Squarise, R.C.T.M.

10.0: Close down.

WEDNESDAY [April 13]**1YA (875 Kc.)—WED., APRIL 13.**

3.0: Selected recordings, and Literary Selection.

4.30: Sports results and close down.

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

Dinner Music.

6.0: The Continental Novelty Orchestra, "Las Largarateranas" (Guerrero); Vienna Philharmonic, "Dorfschwalben Waltz" Royal Italian Band, "Marcia Reale" (Royal march) (Gabetti).

6.13: De Groot and His Orchestra, "Une Heure d'Amour" (Alexander). Mandoline Concert Society, "Echoes of the Volga" (Rutter). International Novelty Orchestra, "Love Sends a Little Gift of Roses" (Openshaw).

6.27: Marek Weber and His Orchestra, "My Dream—Waltz" (Waldteufel). String Orchestra, "From the Sunflower Album" (Brown); "Russian Music." Cedric Sharpe Sextet, "Love's Old Sweet Song" (Molloy).

6.37: The Continental Novelty Orchestra, "Los Claveles de Sevilla" (Guerrero). Royal Italian Band, "Inno di Garibaldi" (Olivier). De Groot and His Orchestra, "For Ever and For Ever" (Tosti). International Novelty Orchestra, "I Love You Truly" (Bond).

6.48: String Orchestra, (a) "The Midshipmite";

(b) "Heather";

(c) "Village Dance" from "The Squirrel Album" (Brown).

Cedric Sharpe Sextet, "Intermezzo" (Coleridge-Taylor).

6.55: Marek Weber and His Orchestra, "Siren Magic—Waltz" (Waldteufel).

7.0: News and market reports.

7.30: Talk—W.E.A. Session. The Rev. W. Jellie, B.A., "Osbert Sitwell—an Aristocratic Satirist."

Programme by the Auckland Provincial Federation of Women's Institutes.

8.0: Recording—Milan Symphony Orchestra, "The Sicilian Vespers" (Verdi).

8.9: Contralto—Mrs. G. P. Lee, (a) "Life's Posies" (Bond);

(b) "I Know Not Why" (Bingham).

8.14: Recording—Classic Symphony Orchestra, "Classical Memories" (arr. Ewing).

8.22: Piano, Miss J. B. McArthur, (a) "The Lark" (Balakiev).

(b) "Endymion" (Logan).

8.28: Sketch, Tom and Thomas.

8.36: Recording, Jack Hylton and His Orchestra, "Still More Old Songs."

8.43: Mezzo-soprano, Mrs. N. M. Wyatt, (a) "You in a Gondola" (Clarke).

(b) "Spreading the News" (Oliver).

8.48: Recording, Jacques Jacobs' Ensemble, "Sobre las Olas" (Rosas).

8.52: Violin, Mrs. E. Armstrong, (a) "Romance" (Wienawski).

(b) "Elfsentanz" (Popper).

9.0: Evening weather forecast and announcements.

9.2: Recording, Orchestra of the Concerts Colonne, Paris, "Le Coq d'Or" (Rimsky-Korsakoff).

9.10: Sketch, "Illusions."

9.25: Contralto, Mrs. H. Steer, (a) "Serenata" (Toselli).

(b) "Wild Flowers" (Phillips).

9.30: Programme of Dance Music relayed from the "Peter Pan" Cabaret.

11.0: Close down.

2YA (720 Kc.)—WED., APRIL 13.

10.0: Chimes. Selected recordings.

11.37: Lecturette, Hollywood Affairs.

12.0: Lunch music.

2.0: Selected recordings.

3.10: Lecturette, D. W. Wilkinson, "Modern Ball-room Dancing."

3.30 and 4.30: Sports results.

4.55: Close down.

5.0: Children's hour conducted by Aunt Daisy.

Dinner Music.

16.0: The Classic Symphony Orchestra, "Raymond" Overture (Thomas). Orchestre Symphonique de Paris, "L'Arlesienne Suite" Intermezzo (Bizet). Frank Westfield's Orchestra, "The New Sullivan Selection" (arr. Godfrey). Continental Novelty Orchestra, "Las Lagartananas" (Foulkes). Band of H.M. Grenadier Guards, "Ivanhoe" Selection (Sullivan, arr. Godfrey). J. H. Squire's Celeste Octet, "La Serenata" (Braga). Plaza Theatre Orchestra, "My Lady Dainty" (Hesse). B.B.C. Wireless Symphony Orchestra, "Il Trovatore" Selection (Verdi). Orchestre Symphonique de Paris, "L'Arlesienne Suite" Entr'acte—Le Cuisine de Castelet (Bizet). Herman Finck and His Orchestra, "Waldteufel Memories" (arr. Finck). Continental Novelty Orchestra, "Los Cleveles de Sevilla" (Guerrero). J. H. Squire's Celeste Octet, "Serenade" (Titi). Plaza Theatre Orchestra, "The Busy Bee" (Bendix).

7.0: News and reports.

7.35: Music Lovers' Competition (sixth series).

8.0: Chimes.

Programme of Recordings.

8.1: Overture—Vienna Philharmonic Orchestra, "Il Seraglio" (Mozart).

8.5: Mezzo-soprano, Olga Haley, "So We'll go no More A-Roving" (White).

8.9: Flute, John Amadio, "Concertino" (Chaminade).

8.13: Humour, John Henry, "Captain Cook Discovers Australia" (Henry).

8.19: Jack Hylton and His Orchestra, "Shamrock Land" (arr. Williams)

8.27: Concerted, Light Opera Company, "Carmen" (Bizet).

8.35: Pianoforte medley, Raie da Costa, "Viktorla and Her Hussar" (Abraham).

8.41: Vocal duet, Dennis King and Adrienne Brune,

(a) "Your Eyes."

(b) "One Kiss" (Wodehouse).

8.47: Waltzes, Vienna Schrammel Quartet, "Some Day You May Surrender" (Strauss). Paul Godwin's Jazz Symphonians, "Butterfly, Sweet Little Lady" (Beda).

8.53: Contralto, Essie Ackland, "The Flight of Ages" (Bevan).

8.57: The Xylo-Marimba Orchestra, "Along Miami Shore" (Snodgrass).

9.0: Weather report and station announcements.

9.2: Lecturette, Dr. Guy Scholesfield, O.B.E.

9.17: Selection, Philadelphia Symphony Orchestra, "Carnival of Animals" (Saint-Saens).

(a) Introduction and Royal March of the Lion.

(b) Hens and cocks.

(c) Mules.

(a) Aquarium.

(b) Personages with Long Ears.

(c) Cuckoo in the Woods.

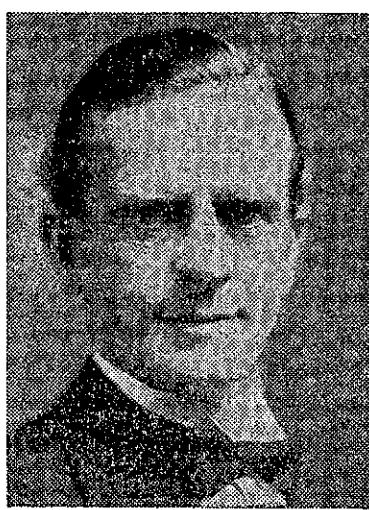
9.25: Tenor, Herbert Thorpe,

(a) "The Green Isle of Erin" (Roeckel).

(b) "Where the River Shannon Flows" (Russell).

9.31: Violin, Fritz Kreisler,

(a) "La Vida Breve" (de Falla, arr. Kreisler).



Eddie A. Dowell,

A Christchurch baritone appearing on 3YA's concert programme to be presented on April 11.
—Stephano Webb, photo.

(b) "Tango" (Albeniz, arr. Kreisler).

9.37: Humour, Regal Sketch Company, "Mr. Sparrow Puts Up For Parliament" (Weston and Leg).

9.43: Bass-baritone, Peter Dawson,

(a) "Travellers All of Every Station" (Balfe).

(b) "The Kerry Dance" (Molloy).

9.51: Medley, The Paul Godwin Orchestra, "Short But Delicious" (Schreiner).

10.0: Close down.

3YA (980 Kc.)—WED., APRIL 13.

3.0: Gramophone recital.

4.30: Sports results and close down.

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

6.0: Dinner music. La Scala Orchestra, "The Secret of Susanna—Overture" (Wolf-Ferrari). New Symphony, "Mors et Vita—Judex" (Gounod). Berlin State Opera Orchestra, "German Dances" (Mozart).

6.15: Marek Weber's Orchestra, "I Pagliacci—Selection" (Leoncavallo). Novelty Orchestra, "Midnight Bells" (Heuberger). New Mayfair Orchestra, "Follow Through—Selection" (de Sylva, Brown and Henderson).

6.34: J. H. Squire Celeste Octet, "Operatica" (arr. Squire). Royal Opera Orchestra, "Naila—Waltz" (Delibes, arr. Doppler). Symphony Orchestra, (a) "Waltz of the Hours"; (b) "Variations" from "Coppelia" (Delibes).

6.54: Novelty Orchestra, "Passion Rose" (Lehar).

7.0: News and reports.

7.40: Dialogue, E. El. Wiltshire and F. C. Fairclough, "Story of the Garden."

Concert Programme.

8.0: Orchestra, Christchurch Salon Orchestra (Conductor, Francis Bate), "Slavonic Rhapsody" (Friedmann).

8.11: Recording. Baritone and soprano, Apollo Grandeforte and Hilda Monte, "Once Again Shalt Thou Gaze on Our Forests" (Verdi).

8.15: Recording, 'cello, Gaspar Casado, "Melodie Arabe" (Glazounov).

8.18: Contralto, Belle Renant,

(a) "The Early Morning" (Peel).

(b) "Blue Eyes" (Williamson).

(c) "A Song of Love" (Rubens).

8.24: Orchestral, Salon Orchestra, (a) "Star of Eve" (Wagner, arr. Bellingham).

(b) "Fee Tarapatapoum" (Foulds).

8.34: Baritone, Philip Wynne Yorke, (a) "The Moon" (Mendelssohn).

(b) "I Travel the Road" (Thayer).

8.39: Recording, Violin, Jascha Jacobsen, "The the Brook" (de Bois-

deffre).

8.42: Recording, Tenor, Richard Tauber, "Spring Dreams" (Schubert).

8.45: Suite, Salon Orchestra, "Jevington Suite" (Loughborough).

(a) "Jevington Fields."

(b) "On Jevington Downs."

(c) "Jevington Jig."

8.54: Soprano, Amelita Galli Cured, "Air and Variations" (Proch).

8.58: Recording, Piano, Leopold Godowsky,

(a) "Black Keys Study" (Chopin).

(b) "Butterfly Study" (Chopin).

9.1: Weather forecast and station notices.

9.3: Recording, Organ, Stanley Roper, "Cantilene Nuptiale" (Dubois).

9.7: Contralto, Belle Renant, (a) "My Dearest Child" (Alfred Hill).

(b) "Twins in a Land" (Chaminade).

9.11: Recording; Violin, Mischa Elman, "None But the Lonely Heart" (Tschaiakowsky).

9.15: Recording, Baritone, Philip Wynne York,

(a) "In a Bower" (Nevin).

(b) "Come, Sweet Lass" (Old English).

9.19: Recording, Piano, Lily Dymont, "Sevilla" (Albeniz).

9.24: Instrumental, Salon Orchestra, "Poem" (Fibich).

9.30: Dance music.

11.0: Close down.

4YA (650 Kc.)—WED., APRIL 13.

3.0: Selected recordings.

3.15: Talk, Home Science Extension Department of Otago University, "Half the Battle—a Well-groomed Appearance."

4.30: Sports results and close down.

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

Dinner Music.

6.0: J. H. Squire's Celeste Octet, "On Wings of Song" (Mendelssohn). Marek Weber and His Orchestra, "Blumenlied, Op. 39" (Lange). Plaza Theatre Orchestra, "The Busy Bee" (Bendix). Organ, Reginald Foort, "The Desert Song" (Romberg). Marek Weber and His Orchestra, "Luna Waltz" (Lincke).

6.16: H.M. Coldstream Guards Band, "Patience — Selection" (Sullivan). Marek Weber and His Orchestra, "Rustle of Spring" (Sinding). The Regimental Band of H.M. Grenadier Guards, "La Paloma" (Yradier). Dinicu and His Orchestra, "Destiny Waltz" (Baynes).

6.31: Organ, Reginald Foort, "The Riff Song" (Romberg). Jacques Jacobs' Ensemble, "Wiener Blut" (Strauss). J. H. Squire's Celeste Octet, "Ave Maria" (Bach-Gounod). The Regimental Band of H.M. Grenadier Guards, "Twist and Twirl" (Kot-taun).

6.34: Marek Weber and His Orchestra, "My Darling—Waltz" (Waldteufel).

6.44: Jacques Jacobs' Ensemble, "Sobre Las Olas" ("Over the Waves") (Rosas). Plaza Theatre Orchestra, "My Lady Dainty" (Hesse). Dinicu and His Orchestra, "Adoration" (Tango (Bianco)).

7.0: News and reports.

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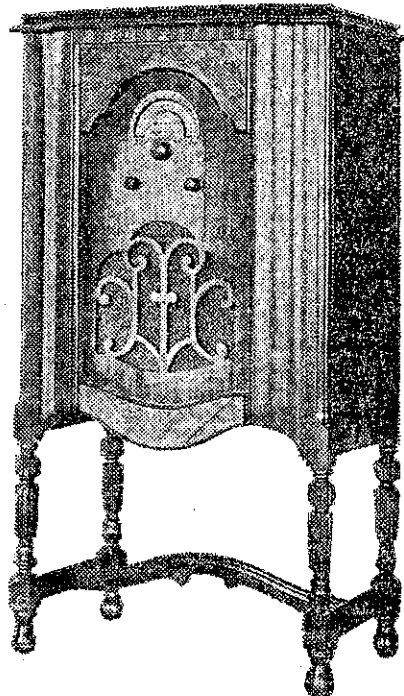
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GULBRANSEN 53

Concert Programme.

- 8.0: Recording, Berlin State Opera House Orchestra, "Preciosa" (Weber).
 8.9: Bass, F. E. Woods,
 (a) "Qui Sdegno" (Mozart).
 (b) "Like as the Heart Desireth" (Allitsen).
 8.15: Selection, Pettitt's Octet, "Four Songs of the Sea" (Stanford).
 8.27: Contralto, Mrs. Kathleen A. Woods,
 (a) "The Silver Ring" (Chaminade).
 (b) "Where Corals Lie" (Elgar).
 8.33: Suite, Pettitt's Octet, "As You Like It" (Quilter).
 (a) "Shepherd's Holiday."
 (b) "Evening in the Forest."
 (c) "Merry Pranks."
 (d) "Country Dance."
 8.45: Recording, Don Cossacks Choir, "Monotonously Rings the Little Bell" (Trdtl.).
 8.49: Piano, Mrs. C. Drake,
 (a) "Fantasia Impromptu" (Chopin).
 (b) "Pilgrim's Chorus" (Wagner-Liszt).
 8.54: Tenor, J. Kennedy,
 (a) "I Heard You Singing" (Coates).
 (b) "On Wings of Song" (Mendelssohn).
 9.0: Weather report and station notices.
 9.2: Selection, Pettitt's Octet, Two Old French Dances (Bomble).
 (a) "Minuet a la Princesse."
 (b) "Petit Coeur, Scherzino."
 9.10: Bass, F. E. Woods, "On the Road to Mandalay" (Speakes).
 9.13: Recording Violin, Jascha Heifetz, "Spanish Dance" (Sarasate).
 9.16: Contralto, Mrs. Kathleen A. Woods,
 (a) "Life" (Blumenthal).
 (b) "Unless" (Carraciolo).
 9.21: Selection, Pettitt's Octet, "Grand Galop Chromatique" (Liszt).
 9.25: Tenor, J. Kennedy,
 (a) "I Hear a Thrush at Eve" (Cadman).
 (b) "It is Only a Tiny Garden" (Wood).
 9.30: Dance music.
 11.0: Close down.

2YB (1230 Kc.)—WED., APRIL 20.

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

THURSDAY. [April 14]

1YA (875 Kc.)—THURS., APRIL 14.

- 12.15: Selected Recordings.
 12.30: Relay of mid-day service from St. Matthew's Church.
 12.50: Close down.
 3.0: Selected Recordings.
 3.15: Home Science Talk, prepared by the Home Science Extension Service of Otago University.
 4.30: Sports results and close down.
 5.0: Children's hour, conducted by Skipper.

Dinner Music.

- 6.0: Philadelphia Symphony Orchestra, "Damnation of Faust—Marche Hongroise" (Berlioz). New Mayfair Orchestra, "Sons o' Guns" Selection. International Novelty Orchestra, "Gold and Silver Waltz" (Lehar).
 6.15: Virtuoso String Quartet, "The Emperor Quartet" (Haydn); Theme and Variations. Jack Hylton and His Orchestra, "Lonesome Little Doll" (Boutleje). De Groot and His Orches-

- tra, "I Love You" (Grieg). The London Palladium Orchestra, "Longing" (Haydn Wood). Organ, Edward O'Henry, "Dream Lover" (Schertzinger).
 6.30: De Groot and His Orchestra, "Autumn" (Chaminade). Philadelphia Symphony Orchestra, "Samson and Delilah—Bacchanale" (Saint-Saens). International Novelty Orchestra, "Emperor Waltz" (Strauss).
 6.43: Virtuoso String Quartet, "Londonderry Air" (arr. Bridge). Jack Hylton and His Orchestra, "Steppin' Out" (Vauchant). De Groot and His Orchestra, "Romance" (Rubinstein). The London Palladium Orchestra, "Vivienne" (Finck).
 6.55: Organ, Edward O'Henry, "Just as We Used to Do" (Rulli).
 7.0: News and market reports.
 7.30: W.E.A. Session, Mr. H. Hollinrake, Mus. Bac., "The Modern Orchestra and It's Instruments: Strings."



Belle Renaut
 A 3YA contralto, appearing next on April 13.
 —Stephano Webb, photo.

Concert Programme.

- 8.0: Recording, Band of H.M. Coldstream Guards, "Suite Francaise" (Foulds).
 8.14: Quartet, The Lyric Quartet, "The White Dove" (Lehar).
 8.18: Recording, Corporal Phillips, "Australian Bird Calls".
 8.24: March, 1YA Chamber Orchestra, under direction Harold Baxter, "Stars and Stripes (Souza); overture, "Hunyandy Lazlo" (Erkel).
 8.34: Quartet, The Lyric Quartet, "You'll Know You're Home" (Winne).
 8.38: Humour, "Some Humour" (arr. McElwain).
 8.43: Suite, The Orchestra, "Eastern Pictures" (Pratt).
 8.53: Recording, Light Opera Company, "The Student Prince" (Romberg).
 9.1: Evening weather forecast and announcements.
 9.3: Talk, J. C. Brougham, "How I Got Out of the Foreign Legion."
 9.18: Recording, Violin, Luben Wladigeroff, "Ratschenitza" (Wladigeroff).
 9.24: Quartet, Lyric Quartet, "The Keys of Heaven" (Button); tenor, "Molly Bawn" (Moore).
 9.32: Waltz, The Orchestra, "La Belle au Bois Dormant" (Tschalkowsky).
 9.37: Recording, Victoria Trio,
 (a) "The Prince Waltz,"
 (b) "La Sorella" (Gallini).

- 9.45: Quartet, Lyric Quartet,
 (a) "Mulligan Musketeers" (Macy).
 (b) "The Two Beggars" (New-ton).
 9.52: Incidental Music, The Orchestra, "Monsieur Beaucaire" (Rosse).
 10.0: Close down.

2YA (720 Kc.)—THURS., APRIL 14.

- 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, Talk prepared by the Home Science Extension Department of the Otago University.
 3.30 and 4.30: Sports results.
 4.45: Close down.
 5.0: Children's hour, conducted by Uncle George and Big Brother Jack.

Dinner Music.

- 6.0: Berlin State Opera Orchestra, "The Magic Flute" Overture (Mozart). Orchestra Mascotte, with Dajos Bela, "Whispering of the Flowers" (Von Blon). Grand Symphony Orchestra, "Chinese Street Serenade" (Siede).
 6.13: "Midsummer Night's Dream" Scherzo (Mendelssohn); "Japanese Lantern Dance" (Yoshitomo). Dajos Bela Orchestra, "The Court Ball" (Lanner).
 6.25: Grand Symphony Orchestra, "The Jewels of the Madonna" (Walf-Ferrari).
 (a) "Intermezzo,"
 (b) "Apache Dance."
 Orchestra Mascotte with Dajos Bela, "The Flowers' Dream" (Translatour).
 6.35: Dajos Bela Orchestra, "The Three Waltz Kings—Viennese Waltz Fantasy" (Strauss). Grand Symphony Orchestra, "Midsummer Night's Dream—Wedding March" (Mendelssohn).
 6.46: Dajos Bela Orchestra, "Woodland Peace" (Favilla). Edith Lorand's Orchestra, "Norma" Fantasia (Bellini).
 7.0: News and reports.
 7.30: W.E.A. Session, Mr. G. W. von Zedlitz, M.A., "The Pleasures of Reading": Introduction.

Concert Programme.

- 8.0: The 2YAleans present a Happy-go-Lucky Hour, assisted by Frank Crowther and the Majestic Quintet. Special feature—Muriel Wilton introducing latest Rhythmic Tap Dancing.
 9.0: Weather report and station notices. Instrumental, Majestic Quintet,
 (a) "Lady of Spain" (Evans),
 (b) "Sextette" from "Lucia di Lammermoor" (Donizetti),
 (c) "Lilting Lucia" (Black).
 9.12: Two-Act Play, "The Black Spot" (Thomas). Act I, Scene 1: Bedroom of Sir Algernon Toppit at his house in London. Cast: Sir Algernon Toppit, Fred Barker; His Man-servant, Owen Pritchard; Hon. Geo. Heather, J. W. Standish; Miss Joan Bailey, Lynda Hastings; General Bailey, Will McKeon.
 9.22: Entr'acte, Majestic Quintet, "Romany Love" (Zamecnik).
 9.27: "The Black Spot" (Thomas). Act II, Scene II: The cellar in Castle Vale. Time: Half-an-hour later.
 9.57: Recording, Band of H.M. Coldstream Guards, "Parade of the Tin Soldiers" (Jessel).
 10.0: Close down.

3YA (980 Kc.)—THURS., APRIL 14.

- 3.0: Gramophone recital.
 3.15: Home Science Talk, prepared by the Home Science Extension Service of Otago University.

- 4.30: Sports results.
 5.0: Children's hour, conducted by Lady Bird and Uncle Frank.

Dinner Music.

- 6.0: Basle Symphony Orchestra, "Rosamunde—Entr'acte No. 2" (Schubert). B.B.C. Wireless Military Band, "Dance of the Tumblers" (Rimsky-Korsakov). J. H. Squire Celeste Octet, "Peter Pan" Selection (Crook). Court Symphony Orchestra, "The Windmill Man" Selection.
 6.22: Halle Orchestra, "Capriccio Espagnole" (Rimsky-Korsakov). Organ, Quentin MacLean, "Little Dolly Daydream" (Stuart). Garde Republicaine Band, "The Two Pigeons" (Messager).
 6.45: "The Two Pigeons" (Messenger). B.B.C. Wireless Military Band, "Golliwog's Cake Walk" (Debussy).
 6.55: Organ, Quentin MacLean, "Lily of Laguna" (Stuart).
 7.0: News and reports.
 7.20: Talk, J. W. Calder, Canterbury College of Agriculture, "Pasture Plants."
 7.35: Music-Lovers' Competition (Sixth Series).

Programme of Recordings.

- Pot-pourri, The Great Symphony Orchestra, "Countess Maritza" (Kalman).
 8.8: Choral, Grand Imperial Choir, "O Sanctissima."
 8.12: Xylophone, Rudy Starita, "Dancing Butterfly" (Golden).
 8.15: Instrumental Sextet, Cedric Sharpe Sextet, "Chanson Neopolitaine" (D'Ambrosio).
 8.18: Soprano, Jessica Dragonette, "Love Everlasting" (Friml).
 8.21: Selection, H.M. Coldstream Guards Band, "Iolanthe" (Sullivan).
 8.25: Vocal, Nick Lucas, "Kiss Waltz" (Burke).
 8.28: Overture, Berlin Philharmonic Orchestra, "Fingal's Cave" (Mendelssohn).
 8.36: Maori Choir, The Tahiwis, "Hine Kura" (Niura).
 8.39: Accordion Duet, Destifano Brothers, "O Sole Mio" (Di Capua).
 8.42: Contralto, Sigrid Onegin, "I Have Lost My Euridice" (Gluck).
 8.46: Comedienne, Wish Wynne, "Another Bedtime Story—Cinderella" (Wynne).
 8.52: Instrumental, J. H. Squire Celeste Octet, "Memories of Chopin" (arr. Willoughby).
 9.0: Weather forecast and station notices.
 9.2: Talk, L. R. R. Denny, M.A., "Drama and Music in Java."
 9.17: Medley, Great Symphony Orchestra, "A Rendezvous with Lehar" (arr. Hruby).
 9.25: Vocal Gems, Light Opera Company, "King of Jazz"; "High Society Blues."
 9.33: Piano, Alfred Cartot and Orchestra, "Concerto in A Minor, 'Allegro' (Schumann).
 9.41: Tenor, Mario Chamlee, "A Dream of Love" (Liszt, arr. Schipa).
 9.45: Humorous Monologue, Fanny Brice, "Mrs. Cohen at the Beach" (MacDonald).
 9.51: Triumphant March, Mandolin Concert Society, "Entry of the Gladiators" (Dortmund).
 9.54: Vocal, Melville Gideon, "Lady, Play Your Mandolin" (Levant, arr. Kremser).
 9.57: Waltz, Marek Weber and His Orchestra, "Old Vienna" (Lanner, arr. Kremser).
 10.1: Close down.

4YA (650 Kc.)—THURS., APRIL 14.

SILENT DAY.

FRIDAY . . . [April 15]**1YA (875 Kc.)—FRI., APRIL 15.**

3.0: Selected recordings and Literary selection.
 4.30: Sports results and close down.
 5.0: Children's Hour, conducted by Nod and Aunt Jean.

Dinner Music.

6.0: Chicago Symphony Orchestra, "Russian and Ludmilla—Overture" (Glinka); De Groot and Piccadilly Orchestra, "Waldteufel Memories" (arr. Finck); New Light Symphony Orchestra, "Minuet" (Boccherini); International Novelty Orchestra, "To Die Dreaming"—Waltz"; Vienna Philharmonic Orchestra, "Hungarian Dance No. 3" (Brahms).

6.20: Cedric Sharpe Sextet, "Chanson Napolitaine" (D'Ambrosio); Organ solo—Sandy Macpherson, "L'Heure Bleue" (Spolianski); Salon Orchestra, "Aloha Sunset Land" (Kawelo); Reginald King and His Orchestra, "Song O' My Heart—Selection".

6.39: Chicago Symphony Orchestra, "Traume" (Dreams) (Wagner, arr. Thomas); New Symphony Orchestra, "Nell Gwynn Dance No. 3" (German); International Novelty Orchestra, "Four Little Farms—Waltz".

6.38: Vienna Philharmonic Orchestra, "Hungarian Dance No. 1" (Brahms); Cedric Sharpe Sextet, "O, Lovely Night" (Ronald); Organ Solo—Sandy Macpherson, "In an Old World Garden" (Pepper).

6.57: Salon Orchestra, "Chanson Boheme" (Baldi).

7.0: News and market reports.
 7.50: Sports talk.

Concert Programme.

8.0: Recording, Vienna Philharmonic Orchestra, "Die Fledermaus—Waltz" (Strauss).

8.9: Baritone, H. Barry Coney,
 (a) "Break, Break, Break" (Easthope Martin).
 (b) "At Night" (R. Strauss)
 (c) "Harlequin" (Sanderson).

8.19: Trio, The Moore Sisters, "Iled Ohne Worte" (Mendelssohn); Violin, "Une Larme" (Moussorgsky).

8.27: Recording, Beniamino Gigli, "Maria, Mari" (Di Capua).

8.30: Pianoforte recital by Gordon Bryan:

- (a) "Pastorale" (Boccherini, arr. Friedman).
- (b) "Alt-Wien" (Godowsky).
- (c) "The Old Musical Box" (de Severac).
- (d) "La Tsarine" (Tscherepuine).
- (e) "Mazurka" (Granados).
- (f) "Minuet" (Granados).
- (g) "Oriental March" (Granados).

8.44: Recording, National Symphony Orchestra, "Fra Diavolo" (Auber).

8.50: Soprano, Sylvia Dobbs:
 (a) "A Hamlet 'neath the Willows" (Brahms).
 (b) "The Joy Bird" (Barnes).
 (c) "Rose, Softly Blooming" (Spohr).

9.0: Evening weather forecast and announcements.

9.2: Talk, Arthur Ross, "The Origin of Popular Superstitions and Customs" (arr. Ross).

9.17: Trio, The Moore Sisters, "Largo" (Handel). 'Cello, "Serenade" (Pierne). Trio, Negro Spirituals,

- (a) "Nobody Knows de Trouble I've Seen" (Cameron White).
- (b) "Negro Dance" (Glinka).



Muriel Johns

a regular performer from 3YA. On April 16 she will present songs at the piano from 2YA.

—Stephano Webb, photo.

9.27: Recording, Beniamino Gigli, "Guanno 'a Femmena Vo'" (Crescenzo).

9.32: Pianoforte Recital by Gordon Bryan:

- (a) "Etude in A" (Poldini).
- (b) "Hymn to the Sun" (Rimsky-Korsakoff).
- (c) "Theme Varie" (Paderewski).

9.46: Recording, Philadelphia Symphony Orchestra, "March of the Caucasian Chief" (Ivanoff).

9.49: Contralto, Phyllis Gribbin:

- (a) "My Dearest Heart" (Sullivan).
- (b) "Open Thy Blue Eyes" (Massenet).
- (c) "Lament of Isis" (Bantock).
- (d) "My Heart's Desire" (Coningsby Clarke).

9.59: Recording, Band of H.M. Grenadier Guards, "Light of Foot" (Latanne).

10.2: Close down.

2YA (720 Kc.)—FRI., APRIL 15.

10.0: Selected recordings.

11.12: Lecturette, "Fashions."

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.

4.55: Close down.

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

6.0: Dinner music, H.M. Coldstream Guards' Band, "Wedding of the Rose" (Jessel). Vienna Philharmonic Orchestra, "Dorfschwalben Waltz" (Strauss). Instrumental Trio, Fritz Kreisler, Hugo Kreisler and M. Raucheisen, "Syncopation" (Kreisler). Organ solo, Jesse Crawford, "Serenade" (Friml). Basle Symphony Orchestra, "Rosamunde—Entr'acte, No. 2" (Schubert). Coldstream Guards' Band, "Suite Francaise" (Parts 1-4) (Foulds). De Groot and His Orchestra, "Samson and Delilah Selection" (Saint-Saens). Marek Weber and His Orchestra, "Cavalleria Rusticana Selection" (Mascagni). Organ Solo, Jesse Crawford, "Indian Love Call" (Friml). Instrumental Trio, Fritz Kreisler, Hugo Kreisler and M. Raucheisen, "Marche Miniature Viennois" (Kreisler). De Groot and His Orchestra, "Louse Selection" (Charpentier). Dajos Bela Orchestra, "The Grenadiers' Waltz (Waldteufel).

7.0: News and reports.

7.40: Lecturette, Mrs. A. L. Long, "Bridge."

Concert Programme.

8.30: Overture, 2YA Orchestra, (Conductor, Signor A. P. Truda), "La Dance Blanche" (Foildieu).

8.40: Baritone, Claude Moss, Three Mexican Songs,

- (a) "Serenade" (Finden).
- (b) "Invitation to Dance" (Finden).
- (c) "Flower of My Heart" (Finden).

8.46: Selection, 2YA Orchestra, "Her Soldier Boy" (Romberg).

8.54: Soprano, Christina Ormiston,
 (a) "Eileen Alannah" (Thomas).
 (b) "Gather ye Rosebuds" (Sanderson).

9.0: Weather report and station notices.

9.2: Baritone, Claude Moss, "For the Green" (Lohr).

9.6: Selection, 2YA Orchestra, "San Toy" (Jones).

9.16: Soprano, Christina Ormiston,
 a) "Don't Hurry" (Sanderson).
 (b) "Scenes That Are Brightest" (Wallace).

9.22: Valse Lente, 2YA Orchestra, "Reve D'Orient" (Graud); "The March of Marches" (Van Pragg).

9.30: Dance programme.

11.0: Close down.

3YA (980 Kc.)—FRI., APRIL 15.

3.0: Gramophone recital.

4.30: Sports results and close down.

5.0: Children's hour, conducted by Friday.

Dinner Music.

6.0: Royal Opera Orchestra, "Carmen—Entr'acte and Ballet No. 1" (Bizet). Ferdie Kauffman and His Orchestra, "The Gipsy Baron" Selection (Strauss). De Groot and the Piccadilly Orchestra, "If Only I Had You" (Davies). New Light Symphony Orchestra, "At Dawning" (Cadman). 6.16: Coldstream Guards Band, "Suite Francaise" (Foulds). New Light Symphony Orchestra, "Barcarolle" from "Tales of Hoffman" (Offenbach).

6.31: Piccadilly Orchestra, "The Waltz Dream" (Strauss). Royal Opera Orchestra, "Carmen—Ballet No. 2" (Bizet). Regal Salon Orchestra, "Memories of Beethoven" (Beethoven).

6.50: New Light Symphony Orchestra, "Cavalleria Rusticana—Intermezzo" (Mascagni). De Groot and the Piccadilly Orchestra, "Lolita" (Ferrete and Biessier).

6.56: New Light Symphony Orchestra, "The Walzing Doll" (Poldini).

7.0: News and reports.

"British Isles Programme."

8.0: Nautical Overture, Studio Orchestra (Conductor, Harold Beck), "Plymouth Hoe" (Ansell).

8.9: Patriotic Ode, Ketelbey's Choir and Orchestra, "March of England" (Ketelbey).

8.17: Recording, Organ, Reginald Foort, "A Musical Trip Round the British Isles."

8.25: Baritone, Percy Caithness, "Hail, Caledonia" (Stroud).

8.29: Welsh Airs, Studio Orchestra, "The Leek" (Myddleton).

8.37: Mezzo-contralto, Mrs. Winifred Andrews,

- (a) "Home Song" (Liddle).
- (b) "Lavender Day" (Drummond)

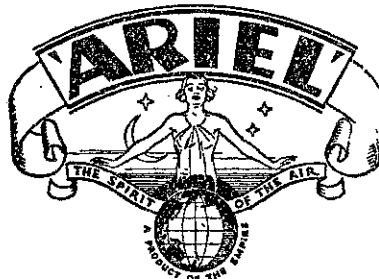
8.42: Violin and Piano, Norman and Margaret Middleton, Irish Airs.

- (a) "The Meeting of the Waters,"
- (b) "The Harp That Once Through Tara's Halls,"

- (c) "Macushla" (Macmurrough).

8.50: Tenor, L. C. Quane, "There's a Land" (Allitsen).

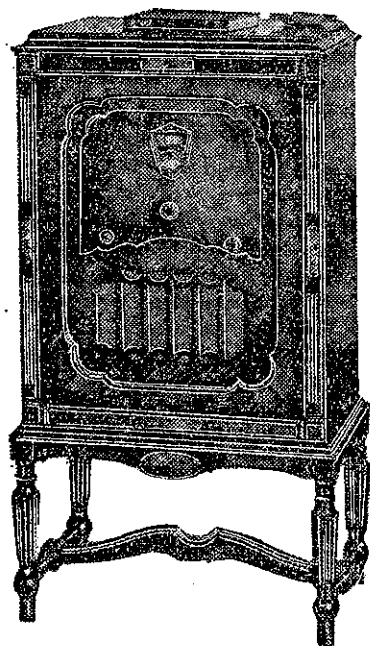
8.54: Recording, Humour, Gillie Potter, "Mr. Potter Visits Southend" (Potter).

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9.0: Weather forecast and Station notices.

9.2: Scottish selection, Studio Orchestra, "The Thistle" (arr. Myddleton).

9.11: Baritone, Percy Caithness,
(a) "All Through the Night," (Welsh Traditional),
(b) "The Wee Hoose Among the Heather" (Lauder).

9.16: Recording, Harry Lauder, "Flower of the Heather" (Lauder).

9.19: Violin and Piano, Norman and Margaret Middleton, "Londonderry Air" (Kreisler).

9.24: Mezzo-contralto, Mrs. Winifred Andrews,

(a) (Welsh) "The Call of the Road" (Drummond),
(b) (Irish) "Killarney" (Balfe).

9.30: Recording, Frank Munn, tenor, "The Dear Little Shamrock" (Cherry).

9.33: Selection, Studio Orchestra, "The Shamrock" (arr. Myddleton).

9.43: Tenor, L. C. Quane,
(a) (Manx) "Ellan Vannin" (Wood),
(b) (English) "Come to the Fair" (Easthope-Martin).

9.50: Recording, Angela Baddeley and L. Du Garde Peach, "Motoring Without Tears" (Peach).

9.56: Recording, Ensemble, "John Peel" (arr. Flynn).

10.0: Recording, Waltz, International Concert Orchestra, "The Waltz Dream" (Strauss).

10.4: Close down.

4YA (650 Kc.)—FRI., APRIL 15.

3.0: Selected recordings.

4.30: Sports results and close down.

5.0: Children's hour, conducted by Aunt Sheila.

Dinner Music.

6.0: Philadelphia Symphony Orchestra, "Invitation to the Waltz" (Weber); International Novelty Quartet, "The Violet" (Morris); San Francisco Symphony Orchestra, "Caprice Viennois" (Kreisler).

6.16: Zonophone Salon Orchestra, "Evensong" (Easthope Martin); The London Palladium Orchestra, "Sunset" (Matt); Marimba Band, "Agua Dormida" (Bolanos); Berlin State Opera House Orchestra, "A Midsummer Night's Dream"—Overture (Mendelssohn).

6.33: San Francisco Symphony Orchestra, "Coppelia Ballet—Automatons Dance" (Delibes); International Novelty Quartet, "Merry Widow Waltz" (Lehar); The London Palladium Orchestra, "Dawn" (Matt).

6.49: Zonophone Salon Orchestra, "Eleanor" (Deppen); Marimba Band, "Morales Lopez" (Bolanos).

6.55: Berlin State Opera House Orchestra, "A Midsummer Night's Dream"—Wedding March (Mendelssohn).

7.0: News and reports.

7.40: Rugby Talk, R. McKenzie, "Rugby Prospects and the Season's Players."

Concert Programme.

8.0: Band of H.M. Grenadier Guards, "The Shamrock" (arr. Myddleton).

8.8: Tenor, R. W. Dunbar:
(a) "If I Might Come to You" (Squire).

(b) "Because" (D'Hardelot).

8.14: Popular Melodies, Arthur G. Frost and His Symphon'c Dance Band:
(a) "Hawaiian Medley" (arr. Frost).

(b) "One Heavenly Night" (Brown).

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

8.32: Recording, Accordion, Flanagan Brothers:

(a) "Cavan Reel" (Trdtl.).
(b) "The Coach Road to Sligo" (Trdtl.).

8.37: Soprano, Mae Matheson:

(a) "Sailing the Sea of Romance" (Samuels).
(b) "Only a Rose" (Friml).

8.44: Popular Melodies, The Dance Band:

(a) "After the Storm" (Nelson).
(b) "Rubenola" (Weidoeft, arr. Frost).

8.51: Recording, Frank Luther and Carson Robinson:

(a) "Old Kentucky Cabin" (Robison).
(b) "Blue Lagoon" (Robison).



H. Barry Coney

One of Auckland's leading baritones. He is appearing on a special programme from 1YA on April 15.
—S. P. Andrew, photo.

8.56: Waltz, The Dance Band, "Kiss Me Goodnight" (Hanley).

9.0: Weather report and station notices.

9.2: Recording, Male Chorus, "Drinking Song" (arr. Finck).

9.10: Popular Melodies, The Dance Band:

(a) "Yes Yes" (Conrad).
(b) "Don't Lose It" (Asherman).

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

9.26: Recording, The Happiness Boys, "Sergeant Flagg and Sergeant Quirt" (Klein).

9.29: Waltz, The Dance Band, "Blue Danube" (Strauss, arr. Frost).

9.35: Tenor, R. W. Dunbar:

(a) "The Carnival" (Molloy).
(b) "Yours and Mine" (Coates).

9.42: Popular Melodies, The Dance Band:

(a) "Henpecked Blues" (Ralton, arr. Frost).
(b) "Savoy American Medley" (Somers).

9.50: Soprano, Mae Matheson:

(a) "I Wonder If Love Is a Dream" (Forster).
(b) "Mexican Serenade" (Terese).

9.57: Recording, Band of H.M. Grenadier Guards, "With Sword and Lance" (Starke).

10.0: Close down.

SATURDAY . [April 16]

1YA (875 Kc.)—SAT., APRIL 16.

3.0: Chimes. Selected recordings and literary selection.

4.30: Sports results and close down.
5.0: Children's hour, conducted by Cinderella.

Dinner Music.

6.0: Grand Symphony Orchestra, "The Tea House of a Hundred Steps" (Yoshitomo). J. H. Squire Celeste Octet, "Memories of Chopin" (arr. Willoughby). Organ, Edward O'Henry, "Ca d'Est Madrid" (O'Henry).

6.16: San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov). Dajos Bela Orchestra, "O Sole Mio" (arr. Lindemann). Berlin State Opera Orchestra, "Der Rosenkavalier—Waltz" (R. Strauss).

6.35: Royal Opera Orchestra, "Prelude 'The Huntress' from 'Sylvia Ballet' (Delibes). Grand Symphony Orchestra, "Japanese Cherry Blossom Festival" (Yoshitomo). Berlin State Opera House Orchestra, "Dance of the Hours" ("La Gioconda") (Ponchielli).

6.51: Organ, Edward O'Henry, "Chant Sans Paroles" (Tchaikowsky). Dajos Bela Orchestra, "Souvenir—Valse Boston" (Pazeller).

7.0: News and market reports.
7.40: Talk, W. E. Priestly, "Modern Ballroom Dancing."

8.0: Chimes.

Concert Programme.

Recording, Chicago Symphony Orchestra, "Slavonic Dance in G Minor" (Dvorak).

8.5: Baritone, Wilfred Scott,
(a) "Cloze Props" (Charles).
(b) "At Dawning" (Cadman).

8.11: Quartet, Northend's Hawaiians,
(a) "The Norfolk March" (Foden).
(b) "Melody of Choruses" (Foden).

8.18: Recording, soprano, Elizabeth Rethberg, "Believe Me, If All Those Endearing Young Charms" (Moore).

8.21: Xylophone and Marimba, Reno and Arta,

(a) "Faded Summer Love" (Baxter).
(b) Duet from "Rigoletto" (Verdi).

(c) "Red Pepper" (Lodge).

8.28: Sketch, Mr. and Mrs. J. W. Bailey, "Only a Woman" (Milne).

8.48: Recording, Jacques Jacobs' Ensemble, "Wiener Blut" (Strauss).

8.51: Popular Songs, The Mounce Sisters,

(a) "Why Shouldn't I?" (Freed).
(b) "Highway to Heaven" (Dubin and Burke).

8.57: Recording, Band of H.M. Grenadier Guards Band, "Naval March."

9.0: Evening weather forecast and announcements.

9.2: Concertina, Robert McKnight, Introduction and Variations on "Life Let Us Cherish" (Farmer).

9.7: Baritone, Wilfred Scott,
(a) "For You Alone" (Geehl).
(b) "Little White House" (Dowling and Hanley).

9.12: Recording, Marek Weber and His Orchestra, Potpourri of Waltzes (Robrecht).

9.20: Quartet, Northend's Hawaiians,
(a) "Night-time in Nevada" (Herly).

(b) "Sadie" (Tarbort).

9.27: Recording, Sketch, Leslie Henson and Company, "A Warm Corner" (Arnold and Bach).

9.33: Popular Songs, The Mounce Sisters,

(a) "I Wonder if You Still Remember?" (Robertson).

(b) "Some Sweet Day" (Clarke Silvers).

9.41: Xylophone and Marimba, Reno and Arta,

(a) "Nevada Moon" (Healy).
(b) "Menuet" (Boccherini).
(c) "I Can Sympathise With You" (Greer).

9.48: Concertina, Robert McKnight,
(a) "Schon Rosmarin" (Kreisler, arr. McKnight).

(b) "Men of Bronze" (Losey).

9.54: Recording, George Van Dusen,
(a) "The Yodelling Swiss" (Stogden).

(b) "The Yodelling Romeo" (Stogden).

10.0: Programme of dance music.

11.0: Sports summary.

11.10: Close down.

2YA (720 Kc.)—SAT., APRIL 16.

3.0: Selected recordings.

3.30 and 4.30: Sports results.

4.55: Close down.

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

Dinner Music.

6.0: Grand Symphony Orchestra, "Zampa Overture" (Herold). Dajos Bela Orchestra, "Dynamiden—Waltz" (Strauss); "O Sole Mio" (arr. Lindemann); "Kaiser Waltz" (Strauss). Grand Symphony Orchestra, "The Tea House of a Hundred Steps" (Yoshitomo). Dajos Bela Orchestra, "Be Embraced, Ye Millions" (Strauss). Berlin State Opera Orchestra, "Aida—Selection" (Verdi). Dajos Bela Orchestra, "Narcissus" (Nevin). Grand Symphony Orchestra, "Japanese Cherry Blossom Festival" (Yoshitomo). Dajos Bela Orchestra, "Souvenir—Valse Boston" (Pazeller). Opera Comique Orchestra, "Gopak" (Moussorgsky). Venetian Players String Quintet, "Romanza" (Mozart). Band of the Garde Republicaine of France, "The Two Pigeons" (Messager).

7.0: News and reports.

7.30: W.E.A. Session, R. J. Waghorn, M.A., "The Earth and Man—Man's Origin and Early History."

8.0: Chimes.

8.18: Recording, soprano, Elizabeth Rethberg, "Believe Me, If All Those Endearing Young Charms" (Moore).

8.21: Xylophone and Marimba, Reno and Arta,

(a) "Faded Summer Love" (Baxter).
(b) Duet from "Rigoletto" (Verdi).

(c) "Red Pepper" (Lodge).

8.28: Sketch, Mr. and Mrs. J. W. Bailey, "Only a Woman" (Milne).

8.48: Recording, Jacques Jacobs' Ensemble, "Wiener Blut" (Strauss).

8.51: Popular Songs, The Mounce Sisters,

(a) "Why Shouldn't I?" (Freed).
(b) "Highway to Heaven" (Dubin and Burke).

8.57: Recording, Band of H.M. Grenadier Guards Band, "Naval March."

9.0: Evening weather forecast and announcements.

9.2: Concertina, Robert McKnight, Introduction and Variations on "Life Let Us Cherish" (Farmer).

9.7: Baritone, Wilfred Scott,
(a) "For You Alone" (Geehl).
(b) "Little White House" (Dowling and Hanley).

9.12: Recording, Marek Weber and His Orchestra, Potpourri of Waltzes (Robrecht).

9.20: Quartet, Northend's Hawaiians,
(a) "Night-time in Nevada" (Herly).

(b) "Sadie" (Tarbort).

9.27: Recording, Sketch, Leslie Henson and Company, "A Warm Corner" (Arnold and Bach).

9.33: Popular Songs, The Mounce Sisters,

(a) "I Wonder if You Still Remember?" (Robertson).

(b) "Some Sweet Day" (Clarke Silvers).

9.41: Xylophone and Marimba, Reno and Arta,

(a) "Nevada Moon" (Healy).
(b) "Menuet" (Boccherini).
(c) "I Can Sympathise With You" (Greer).

9.48: Concertina, Robert McKnight,
(a) "Schon Rosmarin" (Kreisler, arr. McKnight).

(b) "Men of Bronze" (Losey).

9.54: Recording, George Van Dusen,
(a) "The Yodelling Swiss" (Stogden).

(b) "The Yodelling Romeo" (Stogden).

9.10: Songs at the Piano, Miss Muriel Johns,
(a) "I Can See a Rainbow" (Malcolm),
(b) "Happy-go-Lucky Lane" (Young).

9.16: Violin, with orchestra, W. Haydock, Violin Song from "Tina" (Rubens).

9.26: Humour, Phil Smith, "Riley's Cow-shed" (Hargreaves).

9.32: Bass, W. Binet Brown, "Old Clothes and Fine Clothes" (Shaw). Join-in Songs, Lyric Quartet,

- (a) "Mermaid,"
(b) "Polly Wolly Doodle,"
(c) "The Three Crows."

9.42: Record, Piano, Raie da Costa, "Viktoria and Her Hussar" (Abraham).

9.48: Novelties, Salon Orchestra,
(a) "A Motor Ride" (Bidgood),
(b) "Little Leaden Soldiers" (Pierne).

10.0: Dance programme.

11.0: Sporting summary.

11.10: Close down.

3YA (980 Kc.)—SAT., APRIL 16.

3.0: Gramophone recital.

4.30: Sports results and close down.

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

Dinner Music.

6.0: Columbia Symphony Orchestra, "March of the Bojaren" (Halvorsen). J. H. Squire Celeste Octet, "Invitation to the Valse" (Weber). Jacques Jacobs' Ensemble, "Sobre Las Olas" (Rosas).

6.12: Plaza Theatre Orchestra, "Gipsy Suite" (German). (1) "Valse" ("Lonely Life"), (2) "Allegro" ("The Dance"), (3) "Menuetto" ("Love Duet"), (4) "Tarantella" ("The Revel").

6.25: Albert W. Ketelbey's Concert Orchestra, "In a Fairy Realm—Suite" (Ketelbey),

- (a) "The Moonlight Glade,"
(b) "The Queen Fairy Dances,"
(c) "The Gnomes March."

Orchestra, Symphonique de Paris, "L'Arlesienne Suite"—Entr'acte "Le Carillon" (Bizet).

6.40: Columbia Symphony Orchestra, "Bridal Procession" (Grieg). Orchestre Symphonique de Paris, "L'Arlesienne Suite—Adagietto" (Bizet). Albert W. Ketelbey's Concert Orchestra, "Bells Across the Meadows" (Ketelbey).

6.50: Jacques Jacobs' Ensemble, "Wiener Blut" (Strauss). J. H. Squire Celeste Octet, "Chant Sans Paroles" (Tchaikowsky).

7.0: News and reports.

7.30: Sports results.

Concert Programme.

8.0: March, Studio Orchestra (Conductor, Harold Beck), "Bonnie Blue Bonnets" (De Ville). Overture, Studio Orchestra, "Pique Dame" (Suppe).

8.10: Recording, Ensemble, "How Do You Do?" (Holt).

8.18: Recording, Xylophone, Victor Sterling, "The Great Little Army" (Alford).

8.21: Tenor, Ernest Rogers.

- (a) "My Love is Like a Red, Red Rose" (Traditional).
(b) "Billy Mavourneen" (Benedict).

8.28: Recording, Piano, Schutt and Cornell, "Canadian Capers" (Cohen).

8.31: Humour, The Chatterboxes, "Cheery Chatter" (West).

8.41: Recording, Whistling, Guido Gialdini, "Creola" Tango (Ripp).

8.44: Soprano, Miss Cecily Audibert,
(a) "Little Yvette" (Haydn Wood),
(b) "The Open Door" (Dore).

8.49: Recording, J. Harold Murray, "Smile Legionaire" (Cadman).

8.52: Studio Orchestra, "Squirrel Dance" (Smith).

8.56: Recording, Musical Comedy Company, "One Heavenly Night" Vocal Gems.

8.59: Recording, Humour, Randolph Sutton, "You Die if You Worry."

9.1: Weather forecast and Station notices.

9.3: Recording, Variety Company, "An Imaginary Broadcast."

9.9: Selection, Studio Orchestra, "Maid of the East" (Neale).

9.22: Soprano, Cecily Audibert,
(a) "But Why" (Logan),
(b) "Roses of To-day" (Ranzato).

9.27: Recording, Organ, Terence Casey, "Crazy Pirouette" (Frisk).

9.30: Humour, The Chatterboxes, "If We Wait Till the Cows Come Home" (Gallatly).

9.40: Foxtrots, Studio Orchestra,
(a) "Rambling Down the Roadway" (O'Hagan),
(b) "I'll Still Belong to You" (Brown).

9.47: Tenor, Ernest Rogers, "Good Company" (Adams).

9.51: Recording, Foxtrots, Walter Miller and Company,
(a) Harmonica Harry" (Baxter),
(b) "The Clatter of the Clogs" (Flynn).

9.56: Valse, Studio Orchestra, "Jolly Fellows" (Vollstedt).

10.0: Dance music.

11.0: Close down.

4YA (650 Kc.), Sat., April 16

3.0: Selected recordings.

4.30: Sports results and close down.

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

Dinner Music.

6.0: Marek Weber and His Orchestra, "Cavalleria Rusticana — Selection" (Mascagni). International Concert Orchestra, "My Treasure" Waltz (Becucl).

6.13: National Military Band, "Ballet Egyptien" (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") (Tchaikowsky),

- (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."

6.50: International Concert Orchestra, "La Spagnola" Waltz (Di Chiara). Zonophone Salon Orchestra, "Love's Garden of Roses" (Wood).

7.0: News and reports.

8.0: Relay of programme from 3YA, Christchurch.

10.0: Dance music.

11.0: Close down.

2YB (1230 Kc.)—SAT., APRIL 23.

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

W.E.A. Syllabus of Talks

From 1YA

BEGINNING on April 13 and 14, two series of four talks each will be broadcast weekly from 1YA, as follows:—

"Four Modern Poets"

By Rev. W. Jellie, B.A.

1. Osbert Sitwell—An Aristocratic Satirist.
2. W. H. Davies—The Tramp Poet.
3. D. H. Lawrence—The Man who was Charged with Blasphemy.
4. Robert Bridges—The Testament of Beauty.

"The Modern Orchestra and Its Instruments"

By Mr. H. Hollinrake, M.A.

1. The String Instruments.
2. The Wood-wind Instruments.
3. The Brass Instruments.
4. The Percussion Instruments.

From 2YA

"The Pleasures of Reading"

By Mr. G. W. von Zedlitz, M.A.

- Thurs., April 14: 1. Introductory.
Thurs., April 21: 2. The Modern Spirit.
Thurs., April 28: 3. The Drama.
Thurs., May 5: 4. Biography and History.
Thurs., May 12: 5. Fiction.
Thurs., May 19: 6. Conclusion.

"The Earth and Man"

By Mr. R. J. Waghorn, M.A.

- Sat., April 16: 1. Man's Origin and Early History.
Sat., April 23: 2. Man's Climatic Environment.
Sat., April 30: 3. Discovering the Earth and Its Riches.
Sat., May 7: 4. Our Shrinking World.
Sat., May 14: 5. Population and Migration.
Sat., May 21: 6. The Future.

The speakers have expressed their willingness to answer, as far as possible, any questions addressed to them by listeners on points arising out of their talks. An outline of the first talk in each of the series from 1YA appears below.

Osbert Sitwell—Aristocratic Satirist.

1. No community is ever without satire in some form. Satire is born of a hate, which is the reverse side of love. It attacks, sometimes individuals, mostly moral or social conditions, with the weapons of laughter, ridicule and scorn. With an ideal vision it is destructive and purging.

2. Osbert Sitwell's hatred arose (1) out of the war. He was 22 in 1914, and, like most of the young poets who survived its opening years, revolted against its stupidities, sufferings, ugliness and brutality at home and abroad. But (2) his mood of dissatisfaction had begun before the war. Its origin lay in the aristocratic conditions of his childhood and youth. The society in which he moved impressed him as narrow, ignorant, conventional. He had become a critic of the manners and outlook of his own aristocracy.

3. The title of his first volume of poems, "Argonaut and Juggernaut" (1919), indicates the double side to the satirist's nature—a passionate search for beauty and a hatred that would destroy.

4. These two moods will be illustrated so long as time permits, and a word of explanation will be added concerning his free verse.

The String Group.

1. Instruments contained in the String Group: Violins, violas, violincellos, double basses. By means of a gramophone record each of these instruments will be heard separately and their tone quality recognised.

2. Capabilities of Stringed Instruments. Essentially instruments of melody—can move with greatest rapidity—player can pluck the strings ("pizzicato")—can play two melodies simultaneously ("double-stopping"). Illustrated by violin on gramophone record.

3. Construction of Stringed Instruments. Construction compared with human voice. Control of bow is like control of breath—vibration of strings is like vibration of vocal chords. Resonance provided by body of violin, compared with resonance in head when singing. In the string choir the first and second violins are sopranos and contraltos, violas are tenors, cellos are basses.

4. History of Stringed Instruments. Ancestors, the viols of Elizabethan period.

5. Use of the Stringed Group in Orchestral Music. A series of examples from orchestral compositions will be provided by gramophone records. These illustrations reveal the actual use of each instrument by great composers in their orchestral music.

New Entertainers From 2YA

(Continued from page 1)
correspondence received by 2ZW, and, as the new series from 2YA will be on somewhat the same lines, listeners can look forward with anticipation to the Record Players' first appearance.

During his career, Mr. Barker has been a member of the Wanganui Operative and Dramatic Society, the Auckland Little Theatre Players, the Christchurch and Auckland Savage Club (he gave an item at a Korero in 1919 before Admiral Jellicoe and his officers), and the Pom-Pom Pierrots, a Christchurch war-time concert party.

1932 Radio Guide

(Continued from page 3)

in simple terms. Scattered through this article are illustrations depicting theoretically and pictorially the various components used in this circuit.

Items of interest in the construction section are a band-pass filter unit, by which greater selectivity may be obtained than with a wavetrap, an unusual coil-winder which is a vast improvement on that published last year, in that spacing for all types of wire is quite automatic, a multi-range meter, the 1932 "Radcord Crystal Set," a modern three-valve set, and a six-watt amplifier.

The most remarkable set of the season brings this chapter to a conclusion. It is the "1932 Advance All-Waver." In brief this is a five-valve a.c. set designed for all wavelengths, employing two 235 valves, a 224 detector, a 227 first audio and a 247 pentode. The remarkable part of this set is that coil changing is unnecessary. There is a small indicator on the side of the cabinet, and this can be moved so that any waveband desired may be brought into operation, making all-wave listening delightfully simple. It is so profusely illustrated with carefully worked out diagrams that anyone who has done any radio construction whatever can have no difficulty in constructing it.

Section four deals with the building of transformers and chokes and introduces a table which is delightfully simple to use and is such that anyone can calculate the sizes of transformers they require without any difficulty.

Section five, "Trouble Tracking and Servicing," is well worth reading. It is not an obtuse technical discussion on fault finding, but is a simple talk to the non-technical readers, explaining how the majority of troubles occurring in the average set may be tracked down. It leads up to a complete trouble-tracking chart, by consulting which the set owner can arrive at the trouble in his set with the least difficulty. This chapter is complete with a section on the servicing of superheterodynes, in which the main faults occurring in this type of receiver are briefly dealt with.

The valve section contains the characteristics and tables of the better-known makes of valves, while there is the usual Radio Call Book. This was corrected only a few days ago, and

the listener will find it an accurate guide to all the stations likely to be heard in New Zealand. There are all the New Zealand broadcasters, with their address, frequency, wavelength, power and schedule. Then there are the Australians, and the schedules are given for all night sessions, except for the more powerful stations, for which all sessions are given. There is a very representative list of the American, Canadian, Japanese, Mexican and European stations. Provision has been made for dial readings, and the date the station has been logged. There is the inevitable list of short-wave broadcasting stations compiled by Mr. F. W. Sellens, the president of the New Zealand Short-wave Club. This undoubtedly is one of the most accurate lists which any paper ever publishes on short-wave schedules.

In the Reference Section will be found many varied and useful tables, including the radio symbols adopted as standard in the "Radio Record." There is a wire table, a chart for solenoid coil construction, small power transformers, chokes, speakers, capacity in series and in parallel, and many others. Also in this section is the complete text of the New Zealand Broadcasting Bill.

The "Guide" is completed with an up-to-date Glossary of radio terms. Many of the old terms have been re-defined and simplified, while new ones have been added to keep the reader abreast of technical developments.

An account of the "Radio Guide" should not be complete without reference to its cover. Done in the familiar blue and orange colours, it is of modern design portraying a valve on a background of wireless waves. It stands out well and can be easily recognised.

An Invaluable Publication.

THE "Guide" is a publication invaluable to anyone interested in radio, and our advice is to secure one before it is too late. In previous years we have had to either reprint or allow the late would-be purchasers to go without their copy. This year, we shall not be reprinting and do not want to see anyone disappointed. The moral is, buy your copy early. It may be had from most booksellers and dealers, or failing them, direct from the publishers, Box 1032, Wellington, to whom dealers and booksellers are referred for further information.

The "Radio Times"

First Issue This Week

AT the end of this week the first issue of the "N.Z. Radio Times" will be available. We have great pleasure in introducing to the New Zealand radio enthusiast this new member of the family of radio publications now issued by ourselves. Really we feel quite proud of our "baby," and we are sure when the enthusiast has seen it he will forgive us. It is printed upon good paper, which means that illustrations are reproduced much more clearly than they can be on the rotary press on which the "Radio Record" is printed.

Our feature article is a splendid long story of the early days of broadcasting, told by Mr. L. Spackman, who is one of radio's earliest associates. Mr. Spackman has a delightful style and readers of his article are assured of a very entertaining and informative hour. Other specials are an interesting interview with Charles Forrest, who was the operator of the first broadcasting station in Wellington. Mr. Forrest's reminiscences are bright and humorous, the first of a series of articles on "Round New Zealand with the broadcasting 'B' Station," treating IZR, Auckland, and Mr. F. W. Sellens on "Five Years of Broadcasting." There is an interesting account of the new 200-kilowatt broadcasting station at Prague, and a resume of some points which may quite possibly be asked in the forthcoming Radio Servicemen's Examination.

Discriminating readers will find the opinions of the radio trade in New Zealand on "What I expect of the Radio Board in the next three years" of more than passing interest. We wrote the principal dealers and distributors asking them this question, and their replies are bristling with interesting and, in many cases, controversial points.

As a regular feature the page of "Jottings of Interest to the Beginner" should prove acceptable to most listeners. This is not an introduction to the science of radio, but is an account couched in terms of methods of improving reception which the average listener can understand.

Of interest to the technical reader will be an account of valves and valve characteristics. In this article the writer presumes the reader has no previous knowledge of valves and explains how amplification takes place. He then goes on to explain the meaning of the more familiar terms mentioned in valve characteristics and how they are obtained. He then works out a complete set of valve curves and shows the reader what each curve means and how to interpret the valve performance from the curves. Then he gives the curve and characteristics of an actual valve. By studying this article anyone not at all familiar with valves will be in a position to interpret the average tables and curves.

Probably the most interesting feature from the enthusiast's point of view will be a description of the "DX Two,"

a modern two-valve receiver, comprising screen-grid detector and pentode. This set uses reaction, obtaining it in a novel way by a differential condenser used in the screening-grid circuit. The pentode is specially matched to the speaker by a transformer, and those who build the "DX Two" will discover that it is not misnamed.

Log Section.

THEN there is the Radio Log Section. This dxters will look forward to with keen interest, and we hope they will not be disappointed. There are the usual dx features, and, in addition, we are starting this month a new feature—"Notes and News From the Centres." Dx members are aware that secretaries are being appointed in each of the main centres, and it is their duty to keep the club notified of all doing in their district. This will be done per medium of their page in the "Radio Log," as we are calling the dxters' section of the "Radio Times."

There are many new and amended Q.R.A.'s and names and addresses of additional members to the Dx Club.

Radio Digest.

DEALERS will find the "Radio Digest" section, which goes out to them only, of great interest and value.

Next Month.

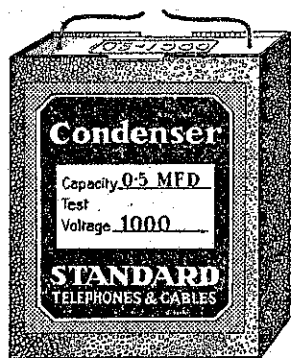
SEVERAL interesting features are being planned for the next month's "Radio Times," and announcements will be made upon these in the near future. The technical department has an excellent receiver "up its sleeve," and before long the sketch details will be released.

In future issues of the "Times" we intend to have a "Query Corner" somewhat similar to that of the "Radio Record." This will deal with queries in more detail than is possible in the "Radio Record," and will also specialise in difficulties encountered by constructors of "Radio Times" sets.

Secure a copy of this month's "Radio Times" at 9d and we are sure you will place your order for a regular supply. In these days we cannot afford to overprint, with the result that those who do not get in early are almost certain to be disappointed.

Observe that the publication date of the "Radio Times" will be the first of each month. We apologise for this issue being a little late, but as readers no doubt guess, this has been due to the extra work involved in the production of the 1932 "Radio Guide," but now that is out, we can promise the "Radio Times" regularly by the first of each month.

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Short-wave News

Empire Broadcasting.

CONTRACTS have been placed with Standard Telephones and Cables Ltd. for the erection of the two short-wave stations at Daventry which are to provide the Empire with programmes throughout the twenty-four hours of the day. The B.B.C. hopes to have these transmitters in operation before the end of this year. The aerial power of each will be 20 kilowatts.

Greenwich Time Signal and Big Ben.

ALL short-wave listeners who have been lucky enough to listen to the London programmes via G5SW are familiar with the Greenwich time signal. The six "pips" give the seconds fifty-five, fifty-six, fifty-seven, fifty-eight, fifty-nine, and zero of the hour. The error is generally kept to within one-tenth of a second, and the Greenwich officials state that the error is generally down to less than one-twentieth of a second. Near enough for us to correct our watches!

Big Ben is usually heard at the commencement and conclusion of transmissions by G5SW. A microphone is hung in a rubber bag from a girder in the clock tower to pick up the sound of the bells. There is an A-type amplifier close to the microphone, and the output of this, through an L.F. transformer, goes on to a post office line leading to the control room in Broadcasting House.

American Portable Short-wavers.

W10XAA is a short-wave portable broadcasting station of the National Broadcasting Company, and W10XAC is used by the Columbia Broadcasting System. Various wavelengths between 25 and 150 metres are used. These stations are used for relaying programmes of unusual nature, such as broadcasts from aeroplanes, ships, etc., where a stationary transmitter would not be possible.

VE9BY, Ontario.

SHORT-WAVE station, owned and operated by the University of Western Ontario, London, Ontario, Canada, broadcast on 34.68 metres each Tuesday from 7.30 a.m. till 8.30 a.m. and 9.30 a.m. till 10.30. On 46.67 metres each

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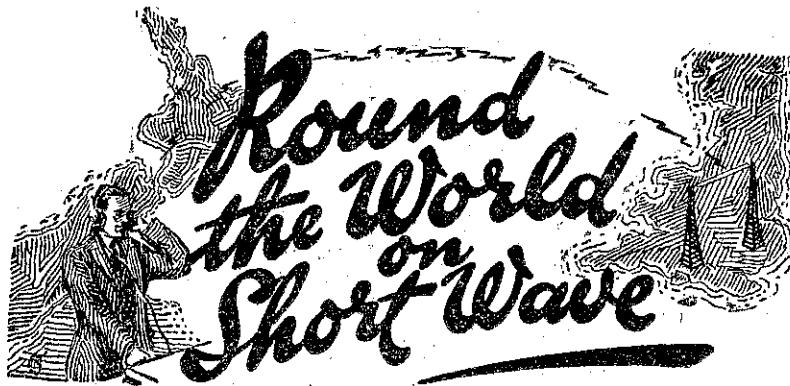
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THIS page is conducted in the interests of shortwave enthusiasts. A weekly log comprising notes of reception and interesting topical events is contributed by Mr. F. W. Sellens, Northland, Wellington, but all listeners are invited to send in paragraphs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

Thursday from 1 p.m. till 2 p.m. and 2.30 p.m. till 3.30 p.m.; Friday, 11.30 p.m. till 12.30 a.m.; and Sunday from 12.30 p.m. till 3.30 p.m. On 62.56 metres they broadcast each Sunday from 4.30 p.m. till 6.30 p.m. They ask for and acknowledge reports of reception.

EEAN, Madrid.

A NEW Spanish station has been reported on 28.5 metres with the call EEAN. This station is owned by Transradio Espanola at Madrid, who also operate EAQ. The time to listen for EEAN is about 8.30 a.m., New Zealand time.

EAR58, Canary Islands.

EAR58, Tenerife, Canary Islands, working on 41.6 metres, has been heard between 10.30 p.m. and 11 p.m.

UOR2, Vienna.

THE writer has reported this station several times recently as being just audible about 7 a.m. The identity has only been guessed, as this station had been logged in Australia. My luck was in on Wednesday when, although only just audible at 6.15 a.m., by 6.45 they were up to R4 and quite clear with orchestral music. Only the names of the items were given, without any call-sign until about 6.58 a.m., when the hoped-for call, UOR2, was heard, followed by a few words in German. This was followed by, in English, "This is short-wave station UOR2, transmitting on 49.4 metres—". The rest of the English was lost in some interference. The call was heard again later, but not any more English talk. At 7 a.m. volume was about R7-8. By 7.30 a.m. they were quite weak, but up to R5 by 7.45 a.m., going off again very rapidly after this time. Since this date they have not been more than R1 or 2.

An Interesting Relay.

LATE on Saturday night PLV, Java, and VK2ME were having a chat, and several times Sydney called and talked to Amsterdam via Java. Again Sydney talked to W2XAF in Schenectady, who were trying to make contact with Amsterdam through the short-wave station W2XAD. It appears that Amsterdam could not make themselves understood across the Atlantic, so it was suggested that they try the long way round. That is, their (Amsterdam) signals to be rebroadcast by Java, picked

up by Sydney and then on to Schenectady.

The talk from Holland as heard from Sydney was loud enough, but not too clear, so it would be poor quality as received in America. The stations taking part in this interesting stunt were VK2ME, on 30.7 and 28.5 metres, one station for reception in Java and the other in Schenectady; PLV, on 31.86 metres; W2XAF, 31.48 metres, all of which were well received here, W2XAD, 19.5 metres, was inaudible at this end, and the Dutch station could not be located, only being heard via Java (PLV).

FYA, Paris.

FYA on 25.63 metres is improving all the time now. On Saturday morning they were quite good strength and quality all through the session from 8.30 a.m. till closing with "La Marseillaise" at 11.25 a.m. Volume was R8, increas-

Other Stations Heard.

ALL other stations during the past week have been about the same as the previous week. The 25-metre band has been very poor during the early morning from 6 a.m. to 8 a.m. The 49-50-metre Americans continue to come in well during the late afternoon. W2XAF reaches good volume on most days by 2 p.m. now, but has suffered recently by a slight rapid fade.

WIXAZ is very good from 11.30 p.m. with their early morning programme.

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OF FEMININE INTEREST

By "Patricia"

I LISTENED to a talk from 4YA the other evening, and it struck me that any housewife who gave some thought to the social problems of to-day would have been interested in what Miss Findlayson, organising secretary for the Otago section of the Women's Division of the Farmers' Union, had to say. She spoke of the work that is being done by this organisation, and explained that all women, no matter of what class—wives of clergymen, doctors, etc.—were all eligible for the country sections, which help to amend the social conditions that are so sadly lacking in the more or less isolated parts of the country.

THE work that is done by the Women's Division is much appreciated by those who have benefited by their assistance. For instance, among their activities is the supplying of housekeepers and dressmakers. Should the wife of a farmer be ill or in need of a holiday, a woman is sent to look after the house and children, and those who can afford it, pay for the help, but there are many others who, were it

not for this assistance, would fare badly. There is also a weekly exchange for surplus products; these products are either sold, or exchanged for other goods. In co-operation with the Y.W.C.A., the Women's Division finds work for unemployed women and girls, and assists them in every possible way. This organisation is undoubtedly doing a great work, and town people should be better acquainted with it.

KIRKCALDIE AND STAINS'S lady speaker who gave a short lecture on "Fashions" from 2YA on Friday morning, addressed her remarks more especially to the debutante. I hear there are quite a number of girls "coming out" shortly, and they will be busy planning what to wear on this auspicious occasion, and it is on this subject that Miss Thomas's talk should be very helpful. She emphasised most emphatically the importance of well and closely-fitting lingerie as a foundation, for on this depends the set and finish of the frock, and her information on the choice of materials, and colours specially suited to the blonde, or the

brunette, and those who are 'twixt and between, shows that she has studied her subject. Her talks on matters sartorial should be welcomed not only by debutantes, but also by their elders.

HOW to build strong and healthy children was the subject for the lecture put over the air from 2YA on Thursday morning by the representative for the Department of Health. This was the first of a series of talks, and mothers who have their children's interests at heart would find these discourses helpful, and the remainder of the series should not be missed on any account. A gentle hint, however, might be given to the speaker that the whole of his audience is just inside the microphone and he would be listened to with more pleasure were he to realise that his voice has not to reach an audience at the back of a hall. His delivery was also of a too "sing-song" character.

THERE is a great deal of charm and grace in the latest ways of sleeve treatment. The slight "puff" above the wrist has definitely given place to

the "elbow" puff. Very modified sleeves are far more general in everyday wool frocks. The less formal types of evening gowns will be more in evidence during the chilly season. They suggest economy, as in towns such garments are wearable when one travels in bus or tram.

THE other evening one of the broadcasting stations put over the air a humorous recording number of John Henry and Gladys Horridge. On this record John Henry was being treated to a version of the "Pied Piper of Hamelin." Now we all know this famous poem by Robert Browning, and it may interest readers to hear that plans are being made by the citizens of Hamelin for a festival in 1934, in honour of their legendary "Pied Piper." A distinguished author has been asked to write a play for the occasion and, practically the whole of Hamelin is to take part in it. A memorial to the destroyer of rats will also be unveiled during the festival.

(Continued on opp. back cover.)

1ZR, Auckland

1090 Kc., 275 Metres.

DO some radio enthusiasts never go to bed? This is a question that is interesting the 1ZR technical staff. Recently, in the course of testing a new amplifier just installed at about 4 a.m. reception was registered in so many directions that we began to wonder if there is an army of somnambulists of which we are unaware. Christchurch, Wanganui, Chatham Islands and others in various districts reported clear reception at that early hour, so 1ZR might be tempted to extend the hours of transmission.

WHEN an experienced public speaker, after addressing an unseen audience per medium of the microphone, shakes hands with anyone that happens to be within "cooee" of the studio, including the typist and visitors who have just dropped in to leave baby's birthday, gives the station director a packet of cigarettes, and departs the best of friends with the world, is he just a jolly good fellow, or could it possibly be "mike consciousness?" An Auckland station assistant is still in doubt, and it is a fact that the "mike" atmosphere is an individual one, freezing some first offenders stone cold, while others radiate and expand in its warmth.

1ZR Programmes

Friday, April 8.

10.30 a.m.: Devotional service, Uncle Scrim. 11.15: "Mensama"—"Numerology." 11.40: Popular music programme. 5 p.m.: Dinner music. 6: Children session—Fairy Princess and Uncle Kam. 7: Mr. Bill Hindman, "Sport." 8-10: Popular programme.

Saturday.

10.30 a.m.: Devotional service, Sister Rita. 10.45: Music. 1.30 p.m.:

PRIVATE STATION :: PROGRAMMES ::

Close down. 5: Dinner music. 6: Children's session, Polly Flinders, "Alice in Wonderland," "Jack the Giant-Killer." 7.15: Mr. W. A. Moore, "An Article from the Smallholder." 8: Popular programme. 10: Dance music. 11: Close down.

Sunday.

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 McElwain. 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.

10.30 a.m.: Devotional service, Mr. Garner. 11.15: "Maoriland"—"Tilt-Bits." 11.40: Popular music programme. 5 p.m.: Dinner music. 6: Children's session, Goldilocks and Uncle Bern. 7.0: Music. 7.30: Close down.

Tuesday.

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. Owen Jensen, L.A.B., "Instruments of the Orchestra," the brass section. 8.0: Popular programme.

Wednesday.

10.30 a.m.: Devotional service, Uncle Scrim. 11.15: Mrs. Searle, "Physical Culture at Home and Abroad." 5.0 p.m.: Dinner music. 6.0: Children's session, Miss Muffett. 7.15: Rod Talbot, "Motoring." 8.0: Close down.

Thursday.

10.30 a.m.: Devotional service, Uncle Scrim. 11.15: Mr. W. J. Lyon, "Child Psychology." 5 p.m.: Dinner session. 6.0: Children's session, Wendy. 8.0: Vacuum Oil Company's programme. 10.0: Dance session. 11.0: Close down.

2ZW Programmes

Wednesday, April 6.

10.0: Devotional service. 10.15 to 11.45: Women's session. 11.45 to 12.0: Star Store cooking recipe. 11.45 to 12.0: Miscellaneous orchestral programme. 5-6: Children's hour (Lay Gay, Pat, Gloria and Uncle Toby). 7.0: After-dinner music. 7.15: Talk by W. B. Lavelle, A.N.Z.I.A. 8.0: Tabloid revue by Ipana Merry-makers. 9 to 10: All-British programme. 10-11: Dance music, including broadcast from Ritz Restaurant.

Thursday.

10.0: Devotional service. 10.15: Special women's session. 10.30-11.15: "Alice from Kirkcaldie," a session

Friday.

10.0: Devotional service. 10.15-12.0: Women's session. 12-2: Miscellaneous band and orchestral programme.

Saturday.

12.2: Miscellaneous band and orchestral programme. 7-8: After-dinner music. 8-10: Light popular programme. 10.12: Dance session, including relay from Majestic Lounge.

Sunday.

11.0: Devotional service. 6.30: Eventide music. 7.30: Relay of evening service from St. Paul's Pro-Cathedral. 8.0: Concert music.

Monday.

10.0: Devotional service. 10.15-11.45: Women's session (as on Wednesday). 11.45 to 2: Miscellaneous orchestral programme. 7.0: After-dinner music. 7.30: Weekly talk to motorists by Mr. Ernest Lewis, managing-director of Rover Motors Limited. 8.0: "Paint-in Music and Story," by Lewis Berger and Sons' weekly tabloid revue. 10.11: Dance music, including broadcast from Ritz Restaurant.

Tuesday.

10.0: Devotional service. 10.15-11.0: Women's session. 11.15-12: Miscellaneous orchestral programme. 7.0: After-dinner music. 8.0 to 9.0: Vacuum Oil Company's programme of Old-time melodies. 9-11: Dance programme by 2ZW's full dance orchestra.

for tiny tots—fairy stories, nursery rhymes, etc. 11.15-12: Fashion talks and music. 12-2: Miscellaneous orchestral programme. 3.0: Relay from Kirkcaldie and Stains' tearooms. 7.0: After-dinner music. 8.10: Kirkcaldie's studio concert. 10-11: Dance music.

THE J. B. Lippincott Company has recently published a book that should appeal to all who take an interest in the culinary department of their home. This book is entitled "The Art of Cooking for Two," or "Feeding Peter," by Mrs. Iris Prouty O'Leary.

The book is charmingly written in the form of letters to a young bride by her friend Caroline, who gives Judith instructions on how to feed Peter. It is just full of valuable hints of a domestic nature, from planning the necessary equipment for a kitchen to preparing the "three meals a day," and should be a veritable god-send to the young housewife.

The recipes, although they sound delectable, are for the plainer kind of food that a restricted income demands.

Here is a paragraph from the chapter in which Caroline discusses the problem of luncheon:—

"Most luncheon menus which I see in print have no resemblance to our middie meals. They call for expenditure of much time and effort in the preparation of an unnecessary amount of food. It may be that these meals are not everyday luncheons prepared by women like you and me, who wash their own dishes. . . . Now luncheons can be quite successful without both a soup and a salad. James and I have a good many that are just a soup or a salad and not very much else. But of all the luncheons that I prepare I think James's grin of pleasure is the widest when he sees hot gingerbread with whipped cream and a glass of milk. Plenty of all three but very little else, unless it is a little fruit for a finish. Just as soon as you have made the gingerbread by the method which I am going to give you Peter will, I am sure, cast his vote with James."

This book should occupy a place in every kitchen, and if the instructions contained therein are closely followed by the young and inexperienced housewife she will find that instead of grumbles and growls there will be only smiles and appreciation from her own particular Peter.

THERE are quite a number of thrilling events in W. M. Lane Crawford's new novel, "The Hawkmoor Mystery" (Ward, Lock and Co.). About the time of the Indian Mutiny a young officer, Lieutenant Berrington, at the instigation of his colonel, goes secretly and disguised as a fakir to an Indian temple and smashes the one-eyed god round which much superstition revolves. The diamond eye of the god, which is of untold value, he takes away with him to England. Some years after he is murdered, and later his son also meets with disaster. There is a mystery surrounding these two deaths, and it is the solving of this mystery which creates the interest in this story.

MR. JOSEPH HOCKING has added yet another book to his long and entertaining list of novels. In "Caleb's Conquest" (Ward, Lock and Co.) we have a stirring Cornish romance. Caleb Basowsa, on the death of his father, who during his lifetime treated the boy with great cruelty, leaves his home to seek his fortune elsewhere. He is engaged by a small farmer as a labourer, but his ambition leads him on, and his experiences, adventures and conquests during the next few years make a typical Hocking story.

MADAM ALBANESI has the gift for story-telling and tackles it in a workmanlike manner. "The Moon of Romance" (Ward, Lock and Co.) is quite up to her usual standard. Out of the rain, Roderick Mallat boards an omnibus, and there meets Katherine, the daughter of his old tutor, now an orphan and in straightened circumstances. He persuades his godmother to befriend her, and out of gratitude Katherine accepts Sir Julian Symmington, the nephew of her benefactress, although her heart is already given to Roderick. Fortune, however, favours the lovers, and the romance has a happy ending.

CAROLYN WELLS keeps her reputation as a good storyteller in her latest book, "The Umbrella Murder" (J. B. Lippincott Co.). The cast is an unusual one. Janet Converse, sitting alone on a gay and crowded beach under her big umbrella, is murdered. An orphan, heiress and popular, she had lived with an aunt in a gloomy turreted house, from which in less than a week after Janet's death the aunt suddenly disappears and Detective Stone is completely baffled. As the gay and cheery crowd who had surrounded Janet under the umbrella had but a second before left her, who could have had the heart or the opportunity to murder her? Several people are suspected, among whom is her fiancée Stackpole Meade. While investigations are in progress a second murder horrifies the community. The attempts to solve the riddle and the finding of the murderer keeps the reader engrossed from start to finish.

THE Union of British Housewives has as its object the furtherment of trade within the Empire. Its pro-

motors point out that a nation's fate is determined by its women, who represent the bulk of the spending power, and members of the union are asked to buy only Empire goods. They thus will erect an invisible but impenetrable wall, more powerful even than the highest artificial tariff barriers. It will probably take time to teach the average housewife that the goods that can be bought for the least money are not necessarily the cheapest, and that it is better to pay a little more if needed to get Empire products, and so help toward the reduction of unemployment.

THE Queen has been making it known to her friends and those around her that she considers it desirable that the dresses of those attending Court this year should be as simple as possible. The general regulations for these dresses are to be precisely the same as those of last year, but it is an open secret that the Queen desires that British materials shall be used whenever possible. All her own gowns, and those of other Royal ladies attending Court, will be productions of the Empire.

"RIGHT OF WAY" (Ward, Lock and Co.) is a powerful novel by Harold Bindloss, and will be welcomed by his many readers. Edward Preston, the head of a large mercantile firm in Liverpool, has occasion to go to Canada on the firm's business. Wanting money badly, he is induced to join a bootlegging gang. Falling in love with the daughter of a staunch prohibitionist, who points out his folly, he gives up the business, but finds it expedient to leave for England. On his arrival he buys land in Cumberland, and the chief

interest of the story is in the building of a factory and dam. He has much opposition to contend with, and an enemy tries to wreck the dam. From this incident romance enters, and what follows shows that the author has lost none of his power to interest and enthral.

IT is not generally known that down by the Black Sea, Russia has its own Riviera, partly in the lovely Crimean peninsula and partly in the narrow bend of sub-tropical country at the foot of the western end of the Caucasus Mountains. Before the Revolution the rich and mighty went south to their palaces and villas during part of the autumn or winter. Czars and princes built one palace after another, all in marvellous positions, though few were good architecturally. To-day, all these palaces, owned by the State, are used as hospitals, sanatoria, or holiday hostels, by Russia's people, who before the Revolution had only heard of the Crimea and Caucasus. Conditions are now much improved, for it is said that every worker, whether learned or unlearned, shall have from a fortnight to a month's holiday with full wages! The less well-paid get their fortnight in the rest homes free; those better off have to pay. It is the ambition of everyone to visit the Crimea and the Caucasus, the most beautiful parts of Russia, but the three days' journey from the north to the south is expensive. Some people have to pay the full fare, others get a reduced rate, and only a few go free, so that many Russians are just as busy saving for their holidays as we are for ours.

FASHION is always changing, and the first movements and alterations commence with a collar and a sleeve. One hears (and sees) all sorts of fanciful ways with sleeves, but for the future I am sure that neither the balloon nor the leg-of-mutton variety will command any following, and no distortions of the body will be welcomed by the woman of 1932.

"A FINAL CHANCE," by Paul Trent (Ward, Lock and Co.), is a story of Pamela, the wilful daughter of a newspaper magnate who falls in love with Richard Clyne, Sir Philip Gower's "star" reporter. Sir Philip is distinctly antagonistic to the match, and declares his consent will never be given and does his best to part the lovers. Pamela puts up a strenuous fight to keep the man she loves, but complications arise connected with illicit diamond buying which result in some thrilling experiences in Africa before a happy ending is consummated. The book is light in tone, but colourful, and distinctly readable.

A TINY wireless set, guaranteed to get foreign stations, is a recent addition to the model cottage which the people of Wales are giving to the Princess Elizabeth and which will be large enough for her to play in. The kitchen in this model structure is very modern and fitted with a metal sink and a real gas cooker. There will also be a supplementary gift of a Welsh terrier puppy to occupy the kennel in the cottage garden.

Our Cookery Corner

Flemish Eggs.

Ingredients: Six hard-boiled eggs, 1 beaten egg, dry crumbs, 1 teaspoonful mixed herbs, ½ lb. lentils, pepper and salt, 4 tablespoonfuls breadcrumbs.

Method: Boil the lentils till tender, taking care they do not burn. Shell the hard-boiled eggs and coat with mixture of lentils, crumbs, and seasoning, then coat with egg and crumbs and fry in deep fat. Serve hot on puree of potatoes with fried tomatoes; or serve cold on lettuce or potato salad with a covering of mayonnaise sauce.

Chocolate Filling.

Ingredients: Two oz. butter, 2 teaspoonfuls cocoa, 2oz. fine castor sugar.

Method: Beat butter until soft and creamy, and add the sugar and cocoa mixed together. Beat well until the mixture is quite smooth and creamy. Spread between biscuits.

Tomato Paste.

Ingredients: One lb. tomatoes, 1 large onion, 3oz. grated cheese, 2 tablespoonfuls flour, 2oz. butter, salt and pepper to taste.

Method: Slice the tomatoes and cut onion small. Cook gently, with butter and seasoning, sieve and add flour to the mixture. Cook for ten minutes and add the finely-grated cheese. Stir for a few minutes, and use when cold for sandwiches, or eat with dry biscuits.

Cheese Pudding.

Ingredients: One breakfastcupful

breadcrumbs, 1 breakfast cupful grated cheese, 2 eggs, ½ pint milk.

Method: Stir all well together, having beaten the eggs. Bake in a quick oven for 30 to 40 minutes in a well-buttered pie-dish.

Those who prefer savouries to sweets will find this cheese pudding rather good.

2ZW Recipes

TWO good recipes from 2ZW are as follows:—

Walnut Cake.

Ingredients: 10oz. flour, 10oz. sugar, 10oz. butter, 4 eggs, 1 teaspoonful baking powder, 1 teaspoonful Bournville cocoa, 1 teaspoonful spice, 2 handfuls chopped walnuts.

Method: Cream butter and sugar, beat eggs well, and add to butter and sugar, then add dry ingredients. Bake for one hour and when cold ice with chocolate icing.

Pear Ginger.

Ingredients: 12lb. pears, 6lb. sugar, 1lb. preserved ginger, 3 tablespoonfuls ground ginger, 2 cups water.

Method: Cut pears into small pieces and boil with water and ginger until tender, then add the sugar and boil 1½ hours.

SOMETHING NEW THE N. Z. Radio Times

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