

PUBLISHED WEEKLY

THE RADIO RECORD

AND
ELECTRIC HOME JOURNAL

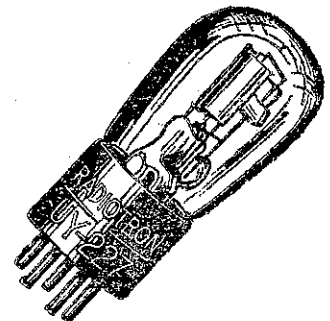
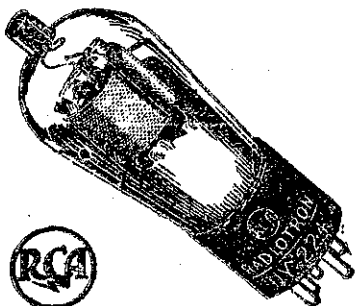
Vol. IV., No. 11.

WELLINGTON, FRIDAY, SEPTEMBER 26, 1930.

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The makers of leading radio sets use RCA Radiotrons in their factory tests—and expect buyers to use them too. Inferior valves mean inferior performance—loss of selectivity and sensitivity—harsh noises—poor reproduction—and frequent renewals. Get the best out of your radio set by using the valves acknowledged as the standard of the radio industry.



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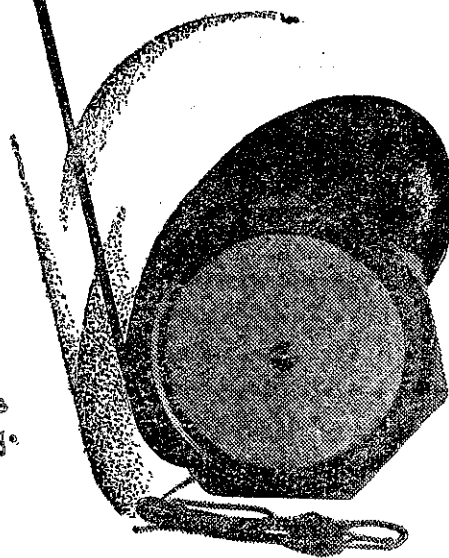
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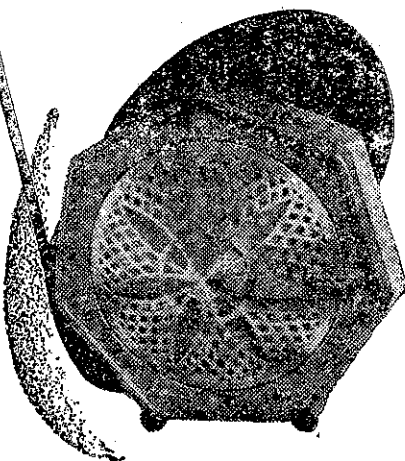
When you use a Philips Speaker with a good set you get a new conception of radio. When it's an orchestra you hear the whole band—both individually and collectively—you hear every intonation of the speaker's voice—every "S" and "F" in his words.

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W12R

Act One of . . .

Gounod's FAUST

to be produced from 2YA by

Signor Lucien Cesaroni

SIGNOR LUCIEN CESARONI,
Grand Opera Bass.

A STRONG cast, headed by Signor Lucien Cesaroni, will give a radio presentation of Gounod's "Faust" from 2YA on Friday, October 3. There is no better known bass singer and music teacher in New Zealand than Signor Cesaroni, who comes from a most musical family. The fact that his operatic party is to present excerpts from Gounod's famous opera is sufficient recommendation as to the standard which the performance will reach. The instrumental portion of the programme will be provided by the 2YA Orchestra under Signor A. P. Truda.

An interesting story surrounds "Faust." Considering the great popularity of the

opera, it is strange to recall that in 1859 it was received with mild indifference both in Paris and Milan. In London in 1863, with Trejens, Trebelli and Charles Santley, the opera was an immediate success. When Adelina Patti appeared as "Marguerite" in the following year (she was then 21), she received an overwhelming ovation.

"Faust" is certainly the most popular of all opera, for in Paris alone some 1700 performances have been given. It was in this opera that Caruso made his debut in 1895 at Caserta, Italy.

THE story is founded, as is that of Berlioz's "Damnation of Faust," on the first part of Goethe's great drama, the scene taking place in a German town. Faust, an old and learned student, is in his study, philosophising on the unsatisfactory results of his life's labours, his insatiable thirst for knowledge having brought him little reward; and, chafing at his advancing age, which will prevent his further studies. He contemplates a cup of poison, when an evil spirit appears in the guise of a dashing cavalier, Mephistopheles, who persuades him to try life in a new form, promising him renewed youth, beauty and wit in exchange for his soul. The compact is made. By the demoniacal powers of Mephistopheles, Faust is transformed into a handsome young cavalier, full of an eager desire for pleasure, and possessed with ample means for the gratifying of his wishes.

Mephistopheles shows him in a vision a lovely village maiden, the gentle Margarita, and Faust, falling desperately in love with her, seeks an opportunity

to gratify his longing. In this he is assisted by the evil Mephistopheles, who quickly finds an opportunity for bringing the pair together.

Margarita, who is greatly beloved by her brother and guardian, Valentine, is left by him in the charge of an elderly dame named Martha when he is called away to the wars; and Margarita, being as virtuous a maiden as she is lovely, he feels that she will be safe until his return. Dame Martha, however, is not a very prudent guardian, for when Faust, having made the acquaintance of the lovely maiden, is brought to her retreat by Mephistopheles, the foolish dame allows the lovers entire freedom. She is too much occupied with the flatteries and attentions lavished upon her by the cunning demon, in whom she sees only a very fascinating cavalier.

AT first Margarita resists her lover, but her own love is so strong that she is powerless to fight against it, and, being childishly innocent of the ways of the world, she is irresistibly led away from the paths of virtue. The awakening from her blissful dream comes at last, however; and when Valentine returns from the wars and hears of his sister's undoing, he furiously challenges her betrayer, and a fierce fight ensues. Faust has no wish to harm the brother of his beloved one, but Mephistopheles, by a dexterous move, directs the sword of his protegee to the heart of Valentine,

who falls dying at his feet. Margarita shrieks as her brother falls, and rushes to his side; but Valentine, with his last breath, curses her for the evil she has wrought. The poor girl is so overcome with horror at this terrible ending to her fair love dream, and so harassed by the persecution of her friends and neighbours, that her mind gives way, and in a sudden frenzy she takes the life of her new-born babe.

For this unreasonable crime she is thrown into prison and condemned to death. Meanwhile Faust, who has been transported by Mephistopheles into other regions of pleasure, cannot forget his beloved Margarita, for whom he had conceived a true affection; and seeing in a vision that she is in trouble and danger, he will not rest until he sees her again. He therefore gains access to her prison, accompanied by Mephistopheles, and passionately (Continued on page 3.)





Proof— That the Clarion IS 1930's Radio Star!

Printer's ink, plus a vivid imagination, can paint a wonderful picture, but how tiring are the same old phrases . . . "The World's Greatest Value!" . . . "Out-performs every other receiver!" . . . "The Most Powerful Receiver Made," etc.

But what about proving these claims? Here's CLARION'S proof of Value, Performance and Appearance. The following leaders of their respective commercial spheres are not carried away by five-minute demonstrations, but base their judgment on years of sound business experience.

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The Bristol Piano Co., Ltd., Dunedin, Wellington, Christchurch, Auckland, and ten branches:—

"We have found this set most competitive, and in its price class unequalled for tone and reproduction. The CLARION is certainly a Genuine Radio Star."

The Farmers' Trading Co., Ltd., Auckland:—

"We have found the CLARION without equal in its price class. It fully satisfies the demands of the most critical listener, and definitely establishes a wonderful advance in Radio Reception. The entire absence of the annoying background noise is a noticeable feature, and its elimination has resulted in most realistic reproduction of music, singing or speech."

Chrisps, Limited, Gisborne:—

"The CLARION has exceeded all expectations, and it is hard to believe that so much value can be built into a radio to sell for so low a price. The tone is magnificent, and we are convinced that apart from its other outstanding qualities, its naturalness of tone will make the CLARION the one outstandingly brilliant star in the radio firmament of 1930-31."

Henry Coles and Co., Palmerston North:—

"We are delighted with the CLARION. In performance it is equal to the high-priced receivers, and in many instances outperforms them. At £48 it is wonderful value and will undoubtedly prove a most popular set."

Keith Walker, Nelson:—

"One glance at the fine details of construction tells its own story—A First Class Job."

Batchelor's Radio Supplies and Service, Invercargill:—

"We find that in performance the CLARION is equal to any of the existing competitive machines, and that a definite step forward is evident. This is particularly noticeable on speech. We have definitely effected sales against competition on this feature alone. We have every confidence in the CLARION."

The above reports are equivalent to an expert Committee of Investigation on CLARION'S merit.

The CLARION is manufactured by the Transformer Corporation of America, who have had an experience and record of success equalled by few in the Radio industry.

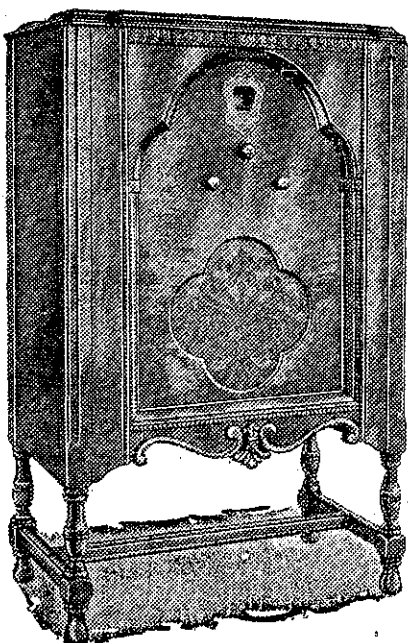
All that is asked of the prospective buyer of a radio receiver is the opportunity to demonstrate the value, performance and appearance of the CLARION. "You can pay more—but you cannot buy better."

There is a CLARION Distributor in every part of New Zealand. If any difficulty in securing a demonstration, communicate with the Factory Representatives.

Transformer Corporation of America

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Clarion Radio



Model 51 (as illustrated).....£48
Model 53, Highboy£56
Combination Model 55.....£83

All models complete with valves ready to attach to aerial.

"Faust"

(Continued from page 1.)

implores the exhausted and grief-stricken girl to fly with him and thus escape the shameful death before her. Mephistopheles joins his entreaties also, hoping thus to catch another soul.

But Margarita has now regained her right mind, and resists the temptations which they bring before her; and, feeling only remorse and true repentance, she refuses all their entreaties, declaring that her only hope now is heaven, and the acceptance of her sincere prayers for forgiveness.

Her prayers are answered, and ere the time arrives for her execution the unhappy girl dies peacefully. Faust is overcome with grief, and even Mephistopheles is cowed, and shrinks back, baulked of his prey, as angel voices are heard rejoicing over the "sinner that repenteth" in welcoming the spirit of the gentle Margarita as it is carried by the angels into the realms of bliss.

In act one we are introduced to Dr. Faust, who, considering that his life has been spent to no great purpose, contemplates the cup of poison. Mephistopheles appears, tells of the elixir of life, and of the beautiful Margarita. The act closes with the doctor's acceptance.

The dramatic church scene in act four will also be broadcast, with Signor Cesaroni as Mephistopheles and Miss Jeanette Sterling as Margarita. One of the most remarkable scores is "Mephistopheles Serenade," the culmination of the church scene. The evil spirit, not content with having brought about the ruin of Margarita, returns and sings to the guitar this fiendish serenade, taunting her, insulting her, and laughing at her. The sardonic "Ha ha ha" followed by infernal mocking laughter, lends a truly devilish atmosphere. Further notes on the music will be found on the gramophone page.

Of Topical Interest

THE Americans have, in their desire to record all aspects of life on the sound screen, recorded the dying squeals of the animals slaughtered at the abattoirs in Chicago.

THE new and the old have been quaintly mixed in a Cornwall village where the bells of the church have not functioned for twenty-five years. The expenses of putting these bells in order being more than the population could bear, an ingenious scheme was lighted on. In the ancient, ivy-grown tower an electro-dynamic speaker and power amplifier was installed. With the aid of a pick-up and a special record, conveniently situated in the manse, the bells chime out every time there is a call for them.

Be Master of Yourself!

Analyse your physical condition. Hold yourself up to the light and realise your defects through smoking. Let us help you banish this costly, dangerous habit. Advice free from the Home Welfare Pty., A.M.P. Buildings, 36R Hunter St., Wellington.

Promising Pianist from 3YA

A Young Artist Wins Many Distinctions

ON VARIOUS occasions listeners to 3YA children's session heard pianoforte solos played by Cousin Marjorie. They were brilliantly played with splendid attack and rhythm. But who was Cousin Marjorie?

The pianiste was Miss Marjorie Alexander, who, as a musician, has the promise of a great future. She has still several years before she is out of her teens. Thus far, she has had a noteworthy career, and it can safely be said that there is no more brilliant pianiste for her age in New Zealand.

Only just seventeen, she won her first prize when she was eight, and her attainments to date include eight gold medals, three of them of the Royal Academy, and a fourth a special prize for scoring the highest marks in New Zealand for the L.T.C.L. examination. In addition to her musical honours she has been dux of her school.

Marjorie Alexander is the daughter of Mr. and Mrs. W. Alexander, well known Christchurch residents, and her sole tutor has been Miss Lilian Kennard, of Christchurch.

Improving the Pick-up

I HAVE been experimenting with pick-ups and thought you might be interested in the results—perhaps make some comment on them.

The amplifier and speaker (moving-coil) are specially constructed by a firm in Dunedin. The amplifier uses a 210 valve and the whole is extraordinarily good—my radio gives about twice the undistorted output of an A.C. set and infinitely better quality—not booming bass and weak treble.

As a gramophone with a standard pick-up it also was very good. However I happened to have a powerful

In the Associated Board examinations in 1927, 1928 and 1929, she passed the Intermediate, Advanced and Final Grades respectively, winning gold medals and being awarded a special gold medal for her record marks in 1929.

In each of these years she won the Violet Ward Prize for highest marks in Christchurch in these examinations. At the competitions in Christchurch in 1928 she won Begg's Scholarship and in Wellington the Wellington Competitions Society's scholarship. In 1929, at the Christchurch competitions she secured the Bristol

Scholarship and in the same year three gold medals fell to her lot at the Ashburton competitions.

This year again, at competitions in Christchurch and Ashburton, she won not only the classes for pianists under 18 and 21, but also the open class. The secret of the young lady's success is not only her natural talent, but her aptitude for practising. Listeners to 3YA on the evening of Wednesday, October 8, will hear her playing "La Campanella" (Paganini-Liszt) and Liszt's 6th Rhapsody.

electro-magnet and can work it from a tap of the transformer in the amplifier. This magnet I put on the pick-up, and the improvement was remarkable—bass coming out much better than one ever hears it from the studios. I have yet to hear a commercial electric gramophone to equal it for all-round performance—volume, brilliance, separation of instruments, etc. Why should an increased flux make this improvement? And one wonders why it has not been used in commercial pick-ups.—A. J. Trotter, North Otago.

[The improved quality is due no does not the greater weight damage did not the greater weight damage the records?—Tech. Ed.]



Musical Thunderstorms

Interesting Short-wave Phenomenon

THE General Electric Company, Schenectady, New York, forwarded the following information to Mr. R. Leslie Jones, Wellington. It should prove of great interest to readers:—

"Musical thunder, accompanied by a vivid electrical display, has been encountered by radio engineers of the G.E.C. in their investigations near Schenectady of high-powered, short-wave broadcasting. In these miniature thunder storms, which occur during any kind of weather, daylight or darkness, clear or overcast skies, the thunder is converted into music which corresponds to the input of the radio microphone. WGY engineers have solved the problem of handling 200 kilowatts of power modulated, on long waves, but new difficulties are presented in the use of powers above 15 kilowatts on the short-waves. In using powers up to 15 kilowatts in the antenna no unusual phenomenon has been observed, but when it was first attempted to increase the power to 35 kilowatts in the antenna vivid coronas flashed, wavering like ghostly spectres in mid-air.

"This corona demonstration did not appear as long as the carrier alone was on, but as soon as the engineers attempted to modulate, the arc was struck in the surrounding air. This arc generally started about three or four feet from the antenna and shot upward four feet in the air. Since the power supplying the arc was modulated with music the arc alternately collapsed and built up in size corresponding to the modulation. This action set up air wave vibrations similar to thunder, but instead of the roar and roll of thunder it was a musical sound similar to the music being broadcast. Men working 300 or 400 feet away thought they were hearing the output of a giant loudspeaker. If the arc were allowed to continue it moved out toward the end of the antenna, due to movement of the hot gases, arced across the insulators, cracking them open, and finally the intense heat melted the copper and caused the antenna to drop.

The trouble was solved in two ways. Antenna wire of larger diameter was adopted, and a large corona plate or half-sphere was placed on each end of the antenna. These measures reduced the voltage gradient at the wire surface due to the increased radius of curvature of conducting surface. It is now possible to get 35 kilowatts of power, modulated 100 per cent. in the antenna without wasteful and destructive coronas."

1YA Radio Plays

IT was Mr. J. E. Montague who produced the first radio play at 1YA, not Mr. J. M. Clark, as stated last week. Both gentlemen have had a long connection with radio plays, but the unique distinction is due to Mr. Montague,

The New Zealand Radio Record

—AND—

Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX. 1032, WELLINGTON.

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

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

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

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

WELLINGTON, FRIDAY, SEPTEMBER 26, 1930.

EMPIRE SHORT WAVE STATION.

A MATTER which has been under discussion in influential circles for some time is the provision of a central Empire Short Wave Broadcasting Station, with the object of providing all parts of the Empire with a news service from British headquarters and maintaining continuity of service and interest. The problem has been to decide which body should undertake this service. On representations being made to the British Broadcasting Corporation its reply was it derived its funds from listeners in the British Isles for the provision of a service for them, and that if the British Dominions overseas desired the establishment of a short wave broadcasting station for the duplication of programmes for their benefit and the transmission of news, it was up to the Governments of the Dominions concerned, or the Colonial Office, or some authority with Empire backing other than themselves, to contribute to the cost of the station. This point of view was sound enough, and it plainly became a case for compromise and adjustment of views as to the provision of the necessary financial backing.

ACCORDING to an announcement made on the authority of the "Wireless World," a conference has been proceeding in Britain under the auspices of the Colonial Office between representatives of the overseas Dominions concerned and the British Broadcasting Corporation. As a result of that conference it is understood that a formal report will be submitted to the forthcoming Imperial Conference advising that a sum of £23,000 will be found by the Colonial Office for the erection of a short wave station, presumably at Daventry. Further, the cost of maintenance will be met by the Colonial Office,

including a sum of £3000 for the provision of a special news service by Reuter's News Agency. The British Broadcasting Corporation will staff the station and technically conduct all transmissions.

THE details of procedure are not yet complete, but in the course of the earlier negotiations it was announced that the hope was entertained of being able to provide a 24-hour service. This would be desirable in order to give all parts of the Empire the opportunity of securing the news. Owing to the time factor, the quality of reception varies in the different Dominions overseas, so that to give equal service to all, continuity of service and a certain amount of repetition of the important news is necessary. To achieve this it may be advisable to record the programmes as they are transmitted and repeat them at intervals.

TECHNICAL difficulties of this nature will doubtless be satisfactorily overcome. The important thing is that unanimity has been achieved, permitting of the vigorous prosecution of this scheme. All the colonial interests involved appreciate its significance and the importance of their being provided with an Imperial news service from the heart of the Empire. To no country is this more vital than Great Britain because of the size and variety of her overseas possessions. Germany, France, Holland, Italy, Spain, and Russia have high-powered short wave stations for the sake of providing prompt communication with their overseas possessions. Some of these stations are heard regularly in New Zealand. Hitherto Britain has relied upon the inadequate power of 5SW. This station has been merely of an experimental nature, but has doubtless served its function in providing data which will be useful in the bigger scheme now to be undertaken. The value of this service cannot be over-estimated, and it is particularly appropriate that finality should have been reached prior to the Imperial Conference about to assemble in London. The great political feature of the day in Empire circles is the desirability of promoting closer unity of trade and political thought between all parts of the Empire. In attaining that objective this short wave station will play a very important part.

Famous Light Opera Address on N.Z. Week from 4YA from 2YA

ONLY twelve months ago, the newly-formed Dunedin Amateur Operatic and Dramatic Society made its first public appearance and achieved wonderful success with its presentation of the ever-popular "Our Miss Gibbs." The distinction it achieved among the critical, but greatly appreciative, musical world of the south, encouraged the originators of the society to continue.

Six months ago the second production was put on, and this eclipsed the presentation of "Our Miss Gibbs." Listeners to 4YA will remember the success attained when "A Runaway Girl" was broadcast. The chorus singing of the Operatic Society has been stated to be the finest any amateur society could produce, and this encouraged such favourable reports from the Press that the society was overwhelmed with applications for membership. However, the vocal test for membership proved a bigger hurdle than some anticipated, the officers of the society recognising that the high standard of chorus work had to be maintained. This means that only singers of a set high standard are now members of the chorus.

"The Belle of New York" contains some brilliant choruses, and 4YA has been fortunate in obtaining the services of the Dunedin Operatic Society to perform, at the studio, the better known choruses, solos and duets of this very popular musical comedy on Monday, September 29.

USE was made of Station 2YA in connection with New Zealand Industries Week, when the Hon. P. A. de la Perrelle, Minister of Industries and Commerce, delivered an address on New Zealand goods and New Zealand scenery. Dealing specifically with the question of employment, the Minister expressed the hope that listeners would concentrate on the purchase of New Zealand manufactures. He commended the policy of his Excellency the Governor-General, who had stated that the remedy for existing unemployment was in the hands of the people themselves. His Excellency was wearing clothes made in New Zealand from New Zealand materials.

"If we adopt a policy of buying New Zealand goods," said the Minister, "we shall be buying something made by New Zealand labour from material produced in New Zealand. For 1928-29 there were 64,000 persons employed in the manufacturing section of our secondary industries. The value of the products of those industries was £42,000,000. Each £1,000,000 worth of goods therefore represents the employment of 1500 persons. Our manufacturers have to depend almost entirely upon local markets. If every New Zealand household will, on the average, increase its proportion of New Zealand goods by only 2/6 a week, the demand will necessitate increased production to the value of one and a quarter million pounds per annum. Such an increase would involve the employment of nearly 2000 additional workers."

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Love and Music

3YA Recital

THE association which music has with the divine is the theme of a lecture-recital entitled "Love and Music," to be presented at 3YA on Thursday, October 2, by Mr. Arthur Lilly, A.R.C.O. The programme has been arranged by Mr. Lilly, who will make explanatory remarks on the various phases of life.

In "Love in Infancy," a lullaby and a cradle song will be introduced to create the atmosphere. As the "Girl and Boyhood" stage passes, "To My First Love" and "Sally In Our Alley" will be sung. Purcell's "Passing By" and the playing of German's "Morris Dance" will be symbolical of "Youth." In the "Young Men and Maidens" stage, "Love Was Meant to Make Us Glad" and "Love Was Once a Little Boy" will be heard.

This will be followed by the "Romance" phase. Into this much vocal and instrumental music will be introduced, "Love's Bliss," exemplified by excerpts from "Lohengrin," follows.

In "Love in Sadness" listeners will hear "Solveig's Song," "Scenes That Art Brightest," Liszt's "Liebestraume" and Trotere's "In Old Madrid." "Rapture in Love" has its full complement of music, including the "Indian Love Call," which will be sung with flute obligato. "Love of Home and Country" would not, of course, be complete without the singing of "Home, Sweet Home," among other items, one of which will be "Land of Our Love," composed by Mr. Lilly.

The final chorus for the evening will be Sir John Stainer's "God So Loved the World," typifying "Divine Love for Man."

The artists who will contribute to this fine programme will be: Miss Sylvia Marshall (soprano), Miss Cicely Christian (soprano), Miss Pessy Hollander (mezzo-soprano), Masters Hancock and Ralph Lilly (treble), Mr. Gregory Russell (tenor), Mr. A. Kinzig (tenor), Mr. A. McCullagh (bass), and Messrs. Watkins and Woodward, Mr. A. Bunz (pianist), and Mr. Harold Beck (cellist). A feature of the programme will be the concerted singing by the choir of Holy Trinity Church, Avonside, by the choir boys of the church and by the ladies of the choir. The Avonside Girls' High School Choir, of fifty voices, under Miss J. Black, will sing the New Zealand school song, "Land of Our Love" (composed by Mr. Lilly).

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NEW PLYMOUTH

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Mullard
THE MASTER VALVE

Children's Session
Committee

AT the last meeting of the 4YA Children's Sessions Advisory Committee there were present Captain Chandler (representing the Salvation Army), presiding, Mr. A. H. Williamson (Headmasters' Association), Rev. J. S. Cooper (Anglican Boys' Home), Miss Hindle (Y.W.C.A.), Miss Feich-

Cycle Road Race

FROM 2 o'clock on Saturday, October 4, 3YA will broadcast progress reports in connection with the New Zealand Championship Road Cycle Race from Waimate to Christchurch—143 miles.

ley (Girl Guides' Association), Miss Telfer (Presbyterian Social Service Association), Miss Sheila Neilson (children's "Aunt Sheila"), Pastor W. D. More (Children's Organiser), and Mr. J. Mackenzie (Station Director).

The Rev. More reported that since last meeting they had had a special night at Larnach's Castle, where Mr. Jackson Purdie was hospitality itself, and at the Early Settlers' Museum, of which Mr. Paterson is the secretary. Both gentlemen contributed greatly to the success of the special programmes.

Mr. More, the organiser, then discussed coming programmes at length. Speaking with reference to elocutionary items, he said they exercised a very strict supervision of everything that is put over the air during the children's hour. They were very careful not to allow anything that would be calculated to leave an impression of fear in a child's mind—anything with ghosts or other mysterious beings of that nature in it—those are cut right out. Of course sometimes there were stories or items put over where the moral pointed to there being no such things as "ghosts."

The visitors to the station during the month were the Rev. Cooper, Miss Feichley, Brother O'Sullivan, and Miss Hare, and impressions of their visits were given.

Visitors for the ensuing month will be: Miss Hindle, Miss Williamson, Miss Telfer and the Rev. Cooper. A new radio uncle, Mr. Will Lambert, known as "Uncle Sambo," was announced.

A Monument to Radio

A COMMITTEE has been formed in Eindhoven, Holland, to arrange for the construction of a monument commemorating the introduction of radio. A competition will be held to discover the most suitable design, and substantial prizes will be awarded the three first entrants.

Radio Association

Upper Hutt Body

WHAT promises to be a vigorous amateur radio association has been inaugurated in Upper Hutt, with the foundation of the Upper Hutt and District Amateur Radio Association. Seeing a need for co-operation among both listeners and enthusiasts, a committee was formed which has now covered a small part of the district in question with surprisingly good results. A membership of over 60 has already been secured.

The aims of the society are to instruct members in the use and operation of sets (this is of particular value to amateur constructors) and in the care of accessories, to provide facilities for members to try out experimental sets, with the view to building up a transmitter, and generally to aid the broadcasting authorities. They hope to be of particular use to the P. and T. by aiding them in the location of power interference, and, as a body, representative of the constructing section, to control the howling valve nuisance. In general their policy will be one of aiding. Mr. A. J. McCurdy, the president, has made available the use of his record hall in Princess Street, Upper Hutt. This may, if the society is accorded support, be employed for social purposes. The other bearers are Messrs. W. H. Firth (vice-president), H. V. de Rosa (secretary), G. Melows (joint treasurer and technical adviser), L. H. Brown (chairman), J. Clark (vice-chairman), and A. J. Griffen (joint technical adviser). The inaugural meeting, particulars of which will appear later, will soon be held.

"LE HAUT PARLEUR," a prominent French radio magazine, states that it is in Scotland that the greatest number of television amateurs are to be found.

Personal

MR. H. BLAKELBY, who has been a member of the Salon Quartet of 3YA since the formation of that combination, has found that increasing business interests prevent him giving the necessary time to the preparation of work required for presentation by the quartet, and he has accordingly resigned. He will, however, continue to be heard as a soloist from the Christchurch station. His position in the quartet will be filled by Mr. H. J. Francis, a well-known Christchurch tenor. He is a member of the Liedertafel and has done well at competitions.

FOLLOWING close upon the death of the well-known Auckland band conductor, Mr. Christopher Smith, comes the news of the death of Captain B. J. Shardlow, bandmaster of the First Wellington Regimental Band. The late Captain Shardlow, who was forty years of age at his death, left New Zealand in 1915 with the band, attached to the New Zealand Rifle Brigade. He served in Egypt and France, and was later invalided back to a base camp in England. In 1918 he was appointed bandmaster of the 5th Reserve Battalion Band. After his return to New Zealand in 1919 he renewed his association with the First Wellington Regimental Band, and was appointed bandmaster in 1920 with the rank of honorary lieutenant. He was promoted to honorary captain last year. Captain Shardlow, who was a married man, possessed the Meritorious Service Medal, the British War and Victory Medals, and the 1914-15 Star. He has done exceptionally good work before the 2YA microphone, and has presented some fine programmes.

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MORE TRAINED MEN**

DRULEIGH COLLEGE

TASMAN BLDGS., ANZAC AVE., AUCKLAND.

STATION Z.L.I. bx.

London Radio Exhibition Opens

Radio Industry Prospers

THE National Radio Exhibition, which opened at London on September 19, was the occasion of an illuminating broadcast speech by Mr. J. H. Thomas, the Dominion's secretary, who spoke on the position of the radio industry of to-day.

He stated that this had been virtually unaffected by the present world-wide trade depression, and British radio manufacturers were now constructing six new factories, which would cover 200,000 square feet. There were no unemployed in the wireless trade, which was steadily absorbing unskilled labour. The boom had a far-reaching effect on other industries.

This year's exhibition is twice as large as that of last year, and shows remarkable advances in efficiency and economy.

Empire Short-Wave Broadcasting

To be Considered by Imperial Conference

ONE by one the obstacles which have stood in the way of the establishment of Empire broadcasting have been overcome, until now we learn that the last excuse for delay, namely, the problem of funds, has been solved by the Colonial Conference. We understand (says the "Wireless World") that the establishment and maintenance of an Empire short-wave station at an approximate cost of £23,000 has been agreed to, the cost to be borne by the Colonial Office, which will also be responsible for the maintenance of the station, while the B.B.C. will staff the station and conduct its transmissions.

The British Broadcasting Corporation, it will be remembered, had recently expressed their willingness to

run the station, provided out-of-pocket expenses were met, and it is therefore assumed that the sum now agreed upon to be furnished by the Colonial Office is intended to cover these out-of-pocket expenses in connection with the erection and maintenance of the station. Reuter's News Agency, we understand, has been approached and has agreed to provide a special news service for the Empire station at an annual cost of £3000, to be involved, as the B.B.C. has undertaken to relay its programmes day by day.

it had strong support from the representatives of the colonies meeting in London, we do not think that the period for the erection and inauguration of the station is likely to be prolonged.

We have previously been informed that the aim of the B.B.C., in the event of funds for the cost of the station being provided, would be to conduct a twenty-four hour service. Just how this is going to be arranged is not clear at present, but no doubt the B.B.C. will find some means of overcoming any difficulty in the way of conducting such a continuous transmission.

We may perhaps expect that the first efforts in this direction may take the form of recording the day's programme and rebroadcasting from the record during the night hours. Such an arrangement would provide the 24

Allowance if You Trade in your Old Receiver or Gramophone

Hundreds of delighted listeners are the proud owners of CROSLLEY BUDDYS—a popular model of the new Crosley range. But we want to make this magnificent receiver even more popular—so we are making the following special offer: A MINIMUM ALLOWANCE of £5 on any trade-in receiver or gramophone will be given to those who purchase a "BUDDY" between September 24 and October 22. Crystal Sets are included in the above offer, but only one trade-in will be taken on each individual purchase. This generous offer is for ONE MONTH ONLY, and applies to NORTH ISLAND RESIDENTS ONLY, so mail the Coupon without delay and get full particulars of the "BUDDY."

Six Valves, with Screen Grid; Matched Impedance, Power Speaker, All-electric Operation—the "BUDDY" incorporates all the newest and best features known to radio, and, like all Crosley receivers, it is critically tone-tested.

CROSLLEY BUDDY

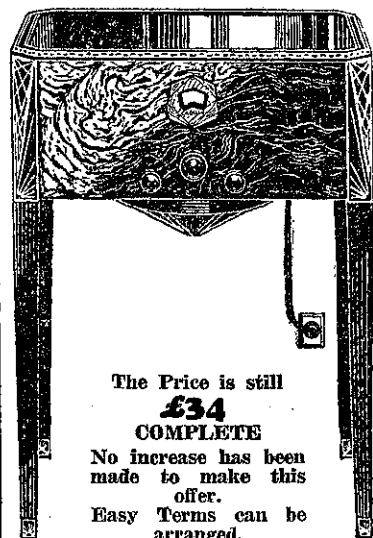
Abel Smeeton

Wholesale and Retail Radio Merchants,
27-29 Customs Street East,
Auckland.

Sirs,—Please send me full particulars of the Crosley "Buddy." I wish to trade-in a Set.

Name.....
Address..... "R.R."

Branches:
Bank Street, Whangarei.
Taranaki Representative:
C. R. RUSCOE,
Devon Street, New Plymouth.



The Price is still
£34
COMPLETE

No increase has been made to make this offer.
Easy Terms can be arranged.

Monument to late
Hon. W. F.
Massey.

Mr. Coates, speaking into the microphone of 2YA at the unveiling of the monument to the late Hon. W. F. Massey, on Friday last. This was a successful relay that was much appreciated by listeners who were unable to attend the ceremony.



This is exceedingly welcome news, and, since the final decisions have now been taken, there should be no further delay in the establishment of the station.

The transmitter will in all probability be erected in the neighbourhood of Daventry, in proximity to the existing B.B.C. stations there. As soon as the station is erected it will no doubt take over the service at present being conducted through 5SW at Chelmsford. Just how long it will be before the station is ready for service must largely depend upon the enthusiasm shown by the B.B.C., but in view of the generous attitude which they recently adopted toward the scheme as soon as they learnt that

hours' continuous programme and enable listeners in all parts of the world to participate. How unanimous must have been the support given to Empire broadcasting by the Colonial Conference is indicated by the fact that it is understood that the question will not be raised again at the Imperial Conference, as it is considered that the matter has been virtually settled.

After so many years of hoping and urging for the establishment of an Empire service, it is intensely gratifying to learn that the accomplishment of this ideal now approaches fulfilment. The value of an Empire broadcasting service can scarcely be overestimated, and perhaps no more opportune time than the present can be found for its inauguration.

NOTES and NEWS from the NORTH

THE programme from IYA on the evening of October 14 will feature excerpts from the musical comedy and drama given by members of the "Little Play Club" under the direction of Mrs. Zoe Bartley-Baxter. Scenes from popular musical comedies will be given and also a scene from Shakespeare.

MR. J. F. MONTAGUE concluded a very popular series of talks on "Maori Pronunciation and Place Names" last Thursday, and a great many listeners will be asking when he is to give us further talks on the same subject. Mr. Montague has a thorough knowledge of things appertaining to the Maori race, for he lived among them for many years in his youth. The popularity of the talks can be gauged from the regularity with which they were interrupted while the speaker answered questions as to the meaning and pronunciation of Maori place-names received by telephone from listeners. Incidentally, one of Mr. Montague's interesting points is that the popular fallacy that in Maori every syllable has an even accent is quite wrong.

THE recently formed Ex-Servicemen's Wrestling Association, like the Northern Wrestling Association, are allowing their bouts to be broadcast by IYA, and the fight on Monday night was described for listeners by Gordon Hutter in his usual bright style. It is amazing the amount of excitement to be derived from hearing one of these relays of a fight, and when a number of people are around the same set fights are apt to begin among the listeners!

AUCKLAND listeners, like those in other parts of the Dominion, were sadly disappointed over the rebroadcast of the first America Cup race. As everyone now knows, reception conditions were poor, and when the American stations were heard they made no mention of the race. However, the

gramophone music sent out from IYA during the early hours of the morning was excellent, and "Call Up" for one thoroughly enjoyed it from the warmth of his bed. No doubt the feelings of the station staff on that cold morning were somewhat different, especially as their long vigil had been unrewarded. They deserve the thanks of all listeners for their efforts.

My Preference

*I like the evening concerts
And the music of the band,
The singing of the "starlets"
And the arias so grand;
But there's something extra special
Always fills me with delight,
It's the 2YA Announcer
When he says 'Goo-oo-oo night!'*

*When there comes a night of static
And reception's really bad,
And 2YA comes all wuzzy,
And the noises drive us mad,
There's something always cheers us,
Makes our faces smiling bright,
It's the 2YA Announcer
When he says 'Goo-oo-oo night!'*

His rolling tones re-echo

*In quite the same old style;
I've heard some others try it,
But they miss it by a mile;
It's musical, it's friendly,
It's comical, it's right,
It's the 2YA Announcer
When he says 'Goo-oo-oo night!'*
—Oh. Mack.

A. J. PARK & SONS

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JANETTE ROTARY CONVERTERS

For the Operation of A.C.
Electrical Apparatus in D.C.
Areas.

Compact, Trouble-free, Filtered
Type for Radio use—No Hum.
32-volt type for Delco Lighting
Plants for A.C. Radio Sets
Send for Descriptive Catalogue.

MOORES

Sole N.Z. Agents:
166 Queen Street, Auckland.
P.O. Box 1029.

covered to explain things to her, she said that she had bought the phones because of an advertisement for radio bargains she had seen in the paper. It certainly sounds a little "stretched," but it is a fact.

ONE of the most versatile artists who has ever appeared at IYA and a former member of the Minus Fives has made a welcome reappearance from the station this month. This is Miss Edna Langmuir, who has been away in Australia for some time, where she has been appearing on the professional stage. Another welcome reappearance this month is that of Maisie Carte-Lloyd, late of the J. C. Williamson company, who will be heard in elocutionary items on September 26.

THE final community sing of the season will be held in the Auckland Town Hall on October 1. Unlike other sing-songs this one will take place in the evening and the first half of the two hours' programme will be relayed from IYA.

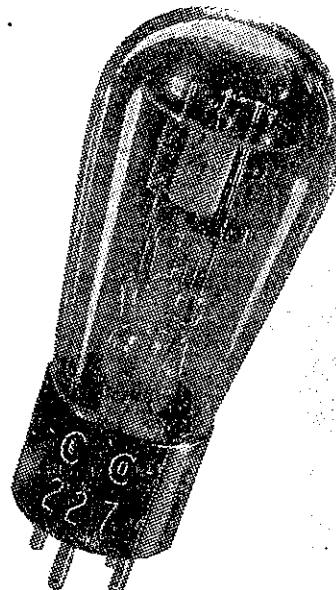
WHILE discussing with a dealer the prospects of another Radio Exhibition in Auckland this spring, "Call Up" asked him if he thought the trade derived much benefit from such

exhibitions. He replied that the benefit was difficult to estimate as there was no way of checking the number of new listeners. However, he was sure good resulted, and said that, even if only a few new radio converts were won, other listeners had an opportunity of seeing all the latest developments in sets, and every dealer had a chance of demonstrating to a large number of people he might not otherwise reach. The same dealer said that competition among dealers is now so keen in Auckland that some of them are canvassing from house to house for prospective clients. His opinion was that any prospects these men discovered were brought into the trade as a whole, for practically everyone who buys a set hears a number of different types before making his final choice. One result of this keen competition will be that only the best sets and those which live up to the claims made on their behalf will survive. Listeners now demand the best sets, but they also want them cheap.



DIAMOND
BATTERIES,
TUBES,
TORCHES
for
Best Results
ROYDS-HOWARD CO.
332 COLOMBO ST. CHRISTCHURCH

MUSIC sounds better through CeCo VALVES



THE zum-zum of the big bass viol, the shrill treble of the tiny piccolo and the stirring blare of the brass are all blended into a beautiful tone picture by the waves of the conductor's baton. To receive these harmonies in all their original richness of quality and tone—use CeCo Valves.

We give every CeCo Valve 64 tests to make sure that they will bring to your loud speaker the true tones exactly as they are broadcast. Try a complete set of CeCo Valves in your set and hear the difference in clarity, and tone quality immediately. CeCo Valves have longer life.

CeCo RADIO VALVES

Write to-day for free booklet "K"
Bond & Bond Ltd., P.O. Box 331, Auckland.

G4-QP

A GOOD story is going the rounds of Auckland radio dealers which serves to show just how ignorant some people still are on radio matters. An elderly lady entered a local dealer's shop, and, handing him some headphones, complained that they would not work. "That's curious," he said. "for they're one of the best makes. What type of set are you using?" "I have tried them several times," replied the lady, "and have sat with them on both downstairs and up, but they're no good." "Yes, but what kind of set are you using?" "Set? Do you mean you have to have something else besides these headphones?" When the dealer had sufficiently re-

A Two-valve Helmet Set

A WIRELESS set fitted to a London policeman's helmet was the most novel display at the Radio Exhibition at Olympia, which opened on September 19. The cone-shaped back of the London helmet provides an ideal loud-speaker, while the top portion accommodates the aerial and the tiny batteries needed to supply the two-valve set used.

Though the total weight of the complete outfit is only a few ounces, the wearer can pick up messages broadcast from headquarters within a range of eight miles.

Children's Sessions

FROM 1YA.

TUESDAY, September 30.—Uncle Dave has more of his interesting stories to tell, and cousins will present dialogues and a small play.

WEDNESDAY, October 1.—Uncle Tom in his usual happy vein, and Cousin Rena singing more sweet songs.

THURSDAY, October 2.—Mr. Griffiths is bringing his jolly choir, and they will sing choruses and part-songs, while Peter Pan will tell stories and send birthday greetings.

FRIDAY, October 3.—The happy hour to be spent with Nod and Aunt

Jean, who have more cheery songs and stories, and little Shirley will sing.

SATURDAY, October 4.—Duets, solos, and sketches from Cousins Joyce, Lois, and Muriel, and stories from Cinderella.

SUNDAY, October 5.—Children's song service conducted by Uncle Bert, assisted by Beresford Street Sunday School.

At 2YA.

SATURDAY, SEPTEMBER 27.—Uncle Toby will send birthday greetings, and the 8 O'Clock Revue Company, who have been broadcasting "grown-up" children's hours, will give a special evening for the real "children's hour." Uncle Billy has written this "Five o'clock Revue," and the company hope all will enjoy their special programme.

SUNDAY: Uncle George, who conducts the service to-night, will be assisted by the choir of St. Andrew's Presbyterian Church.

MONDAY, September 29: To-night Claude Saunders is providing the entertainment. There will be plenty of merriment and fun. Cousin Marjorie with her clogs will again be here to dance. It will be Uncle Jeff's evening, so all listen in for his new puzzle.

TUESDAY: A splendid programme of chorus work will be given to-night by the pupils of the Northland Convent, under the direction of Isobel Halligan. The session will be conducted by Uncle Jim.

THURSDAY: The programme will be entirely of an Irish nature this evening. Cousin Jeane is providing it. There will be "Irish Medleys," "Londonderry Airs," and "St. Patrick's Day Variations." Uncle George will be here to act as host.

FRIDAY: Big Brother Jack will welcome the pupils of Chilton House School at the studio to-night. They will sing choruses and songs and give recitations and pianoforte solos. Story Book Lady will also be among the entertainers for to-night.

SATURDAY: Mr. Kenneth Small is providing a Gypsy Caravan Party to-night, and with Uncle Toby and all the little gypsies he is bringing we should have a very happy time.

SUNDAY, October 5: Mr. Aked, who conducts the Children's Choir at the Thorndon Methodist Church, will bring the choir to the studio to-night. Uncle George will conduct the service.

It is assumed in some quarters that the radio and gramophone industries will soon be one. A real wireless wedding! Will television divorce them?

The B.B.C.

Amazing Growth

AN extraordinary picture of growth is revealed by the announcement by the British Broadcasting Corporation that the wireless license holders in Great Britain now number 3,363,000, exclusive of 17,000 licenses issued free to blind people. This is estimated to represent a potential audience of 15,000,000 listeners, which is an estimate on the conservative side in view of the further statement that there is now a wireless set in two out of three houses in the country. These figures emphasise the tremendous place now



MISS GWALDYS PAYNE,
A soprano soloist and a member of
the 1YA Broadcasting Choir.
—S. P. Andrew, photo.

being taken by broadcasting in the national life. This matter is emphasised further by the statement made by the Hon. R. Ramsay MacDonald, Prime Minister, in opening the National Radio Exhibition. "In future," he said, "broadcasting is destined to play a most important part in the cultivation of a friendly understanding between nations. The rapid development of this new power over Nature gives us great opportunities, both cultural and industrial, and it is all important that we should make the best use of them." At the Radio Exhibition mentioned there will be displayed 400 stands by exhibitors, representing an output of sets and apparatus computed to be worth £5,000,000.

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"Radio Record and Electric Home Journal"?
BOX 1032, WELLINGTON.

RADIO LOVERS WAIT WAIT TILL OCT. 1

The new distinctive features, the new beauty of tone, the new refinements of the ATWATER KENT 1931 models will provide you with the most natural Radio reception you have ever heard.

THE NEW ATWATER KENT WITH THE GOLDEN VOICE



Your nearest Atwater Kent Dealer will gladly demonstrate, or write to distributors:



BURGESS RADIO BATTERIES

DX Competition

Conditions of Entry

OUR DX competition, fully announced in the issue of August 8, is meeting with general approval, and quite a number of DX enthusiasts have expressed intention to compete. It is pleasing to note that many of these are newcomers to DX work and are already showing presentable logs. For the benefit of new readers, and for those who have only recently discovered the fascination of long-distance reception, we repeat the rules governing the competition.

1. The listener who can, within six months, collect the greatest log of stations and comply with the conditions set forthwith, will have his name

Do you want to get Australian stations? This set will increase your rage.—Advt. in a country paper.

We have a set like that already, thanks.

inscribed on the "Radio Record" Cup. This will remain the property of the "Radio Record," but the winner will be presented with an inscribed miniature. The original cup will, if possible, be on view at the Radio Exhibitions.

2. The stations counting for the competition must have frequencies not exceeding 1500 kilocycles nor less than 545 kilocycles per second (200-550 metres).

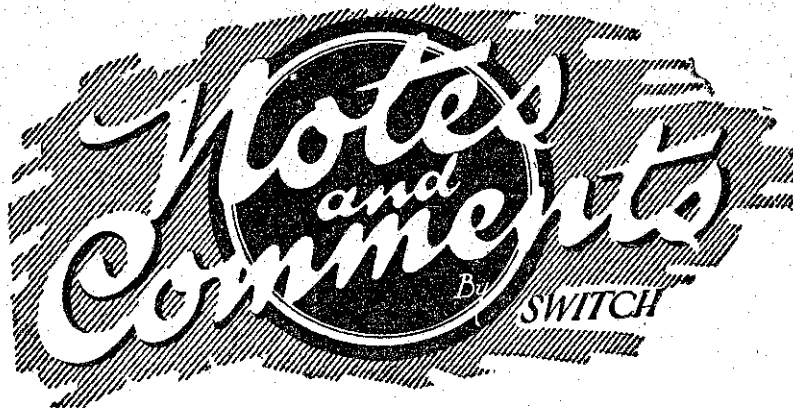
3. All stations must be verified. The enthusiast should listen to the items and note sufficient of them so that the station officials can recognise the broadcast. A letter or card to this effect must be in the possession of the listener before he can claim credit for a station. The winner must be prepared to send his verifications to the "Record" for checking. They will be returned. Overseas stations appreciate notes from listeners stating how their transmissions came, through—were they fading, strong, weak, variable, mushy, distorted, pure, etc.? It is really not good enough to say "I heard your station; please give me a card for the competition." You never know; under these circumstances they might refuse. Help them and they will help you.

4. Stations received during one period of six months can count for the ensuing one, providing their frequencies remain the same (unless they are recognised experimental stations). In other words, the station verified must have operated on the frequency shown on the verification cards on or after the first day of the period. In this case, July 1. This arrangement should place old and newcomers on a more even basis. All logs for the first period must be in our possession by January 1, 1931. (The period here is slightly less to establish regularity.)

5. The following stations are not included in the competition:—All New Zealand and the following Australian stations: 2FC, 2BL, 4QG, 3LO, 3AR, 2GB, 2UE, 5CL, 6WF, 7ZL. This is to prevent possible interference with the programmes that are enjoyed by non-DX-ers.

6. The right is reserved to add further conditions or alter existing ones as unforeseen circumstances demand.

7. The decision of the judge will be final.



THE amazing strides in the popularity of broadcast listening in New Zealand since the inauguration of the service provided by the "YA" stations can be realised best by those who were listeners six or seven years ago. To own a wireless set in those days was generally regarded as a highly scientific departure, and the operation of a set was considered as quite an expert achievement. "Switch" recalls the fact, too, that in those days tuning a set did call for not a little tuition and practice. Radio salesmen had to

Reception Table for Australian Stations

FOR the guidance of those who wish to check their reception of the Australian stations, "Switch" prepares weekly a table showing the average relative strength with which he has obtained reception at 11.30 p.m. during the past week:—

2FC, Sydney	10
2LB, Sydney	9
4QG, Brisbane	8
3LO, Melbourne	7
3AR, Melbourne	7
2GB, Sydney	6
2UE, Sydney	5
3DB, Melbourne	4½
3UZ, Melbourne	3½
7ZL, Hobart	3½
5CL, Adelaide	2
6WF, Perth	2
2KY, Sydney	1½

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

devote a good deal of time in instructing purchasers in the art of tuning. How fortunate now are both the salesman and the purchaser in having the modern A.C. set with its simple single-dial control at their disposal. And yet only recently the writer met a beginner who had genuinely held aloof from radio as he understood that expert knowledge was necessary to operate a set.

ONLY recently a gentleman approached "Switch" for information as to what he believed to be the difficulty in installing an A.C. set. He had visions of a multiplicity of meters, switches, chokes, variable condensers, etc., but it transpired that he had been reading a radio technical paper as an introduction to his embarkation on the sea of radio. He resided out of town, and seldom came into the city. A visit to various radio shops, at the suggestion of the writer, proved a revelation.

AN announcement has been made to the effect that in December the Melbourne yacht Oimara will engage in a challenge race across the Tasman with a New Zealand yacht. The Oimara won the yacht race across Bass Strait (between Victoria and Tasmania) last season. Her skipper, Mr. F. J. Bennell, recently spoke from 3LO, Melbourne, of the difficulties which attend the running of a yacht in such a race. The proposed race across the Tasman Sea would prove an incomparably more difficult problem both for the yachtsmen and the yacht, and would establish a world's record race for that type of yacht.

REG. HAWTHORNE, the vaudeville performer, who is reported to have made his initial broadcast appearance at 4YA, Dunedin, about the time of that station's inception, was heard from 2FC, Sydney, on a recent Saturday night. He will be remembered as a regular performer on the New Zealand vaudeville circuit in association with that popular comedian, Jim Gerald.

THE Western Australian A class station, 6WF, Perth, has been steadily increasing in volume lately. On almost any evening 6WF can be received with sufficient loudspeaker strength to afford entertainment from 11.30 p.m. onward. The distance that separates Perth from Wellington will be better appreciated when it is realised that Perth is 3½ hours behind Wellington. Therefore at 11.30 p.m., N.Z. time, 6WF, Perth, is just commencing its 8 o'clock evening session. The actual straight-line distance between Perth and Wellington is 3300 miles, approximately.

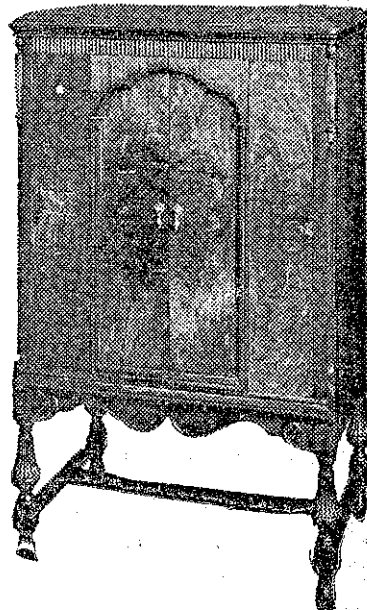
A WELLINGTON listener, who has several years' radio experience, expressed the opinion to "Switch" recently that the extraneous electrical noises which infest the air in and around the city of Wellington are frequently due to cheap household electric lighting switches. He stated that he has inspected some of these switches in domestic use, and has found that when not turned on properly they emit electrical interference with broadcast listening. The switches are just making sufficient contact to light the electric bulb in the rooms, but when examined carefully there is found to be a minute sizzling which can be heard on a radio set a fair distance away.

An Open Invitation

is extended to those who require a radio set to view

THE NEW
GULBRANSEN
PRECISION-BUILT/
RADIO

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Combination Radio and Gramophone model £85

Highboy Straight Radio £45

"9950" Model £42/10/-

There is a Gulbransen dealer near your home, and he will demonstrate with pleasure.

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GULBRANSEN

Factory Representatives:

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182 Wakefield Street,
WELLINGTON.

Feature Peeps at Future Programmes

SUNDAY

From Auckland.

THE evening service in Beresford Street Congregational Church will be broadcast, the preacher being the Rev. Albert V. Whiting, the choir-master Mr. William Gemmell, and the organist Mr. Arthur Cherry. This broadcast will be followed by a relay from the Town Hall of the Municipal Band concert.

2YA Notes.

THE evening service conducted in St. Thomas's Anglican Church by the Rev. C. V. Rooke, M.A., will be broadcast. The organist and choir-master will be Mr. W. Gatheridge. At the conclusion a relay of the concert to be given by the Port Nicholson Silver Band will be relayed from the Grand Opera House.

Christchurch Items.

THE Rev. T. W. Armour will preach at Knox Presbyterian Church, when the service is to be broadcast. The choir-master is Mr. A. G. Thompson, B.A., and the organist Miss Victoria Butler, L.A.B., A.T.C.L. The after-church concert in 3YA studio will be given by the new Dulcet Quartet—Mrs. W. B. Harris, Miss Nellie Lowe, Mr. Albert Carlisle and Mr. A. G. Thompson—Miss Dorothy Davies and the Christchurch Broadcasting Trio. This concert will be relayed to 4YA.

In Dunedin.

THE service in St. Andrew Street Church of Christ (Pastor W. I. More) will be broadcast.

MONDAY

Wellington Features.

AT 3.40 from 2YA Mr. Frank Hilton will give another of his series of talks on "Domestic Cooking," taking as his subject "Lemon Cheese, Pastry of Various Kinds." Mr. Hilton has re-

ceived many appreciative letters, and these will be dealt with during the talk.

The items by the Orchestra, under Signor A. P. Truda, will include Liszt's "Second Hungarian Rhapsody," part 2 of Sibelius's "Pelleas et Melisande," and a Waldteufel waltz, "Love in Spring." The vocal portion of the programme will be contributed to by several well-known artists. Miss Gracie Kerr, a young elocutionist whose work is always finished and entertaining, will recite two satirical numbers, "The Married Woman" (by a married man) and "The Married Man" (by a married woman).

Band Night at 3YA.

THE Christchurch Municipal Band, under Mr. J. Scott, will provide to-night's concert, which will include a cornet duet, the polka "Jupiter and Mars," to be played by Bandsmen H. Barsby and B. Benson. The supporting vocalists are well chosen and include soprano, contralto, tenor and baritone. Recitations will be given by Miss Marion Drysdale.

DURING the first half of the programme, the Dunedin Amateur Operatic and Dramatic Society will present many favourite choruses, trios, duets, and solos of the popular musical play "The Belle of New York."

The second half of the programme will be of a miscellaneous nature, with several well-known artists. Of particular merit is the "Roberto il Diavolo" excerpt which Miss de Clifford will sing. Rossini, the composer, a classic representative of Italian opera, is better known by his "William Tell" and later by his "Stabat Mater," but the popularity of "Roberto il Diavolo" is mostly due to the vocal excerpts which are so often sung and to the many arrangements of the overture which have won popularity with orchestras and bands.

TUESDAY

Featured at 1YA.

SOME interesting operatic items have been selected for this evening. 1YA String Octet, under the direction of Mr. Whitford Waugh, will play "Les Saltimbanques," "Bacchanale" (from "Samson and Delilah"), and selections from "Lilac Time" and "Lucia di Lammermoor." Schubert's "Ave Maria" will be played as a violin solo by Mr. Haydn Murray. Recently Mr. Murray gave a half-hour recital from 1YA, and this was particularly enjoyed by listeners. The vocalists for the evening are Miss Joyce Seth Smith



MISS MILLICENT JENNINGS, Contralto, who is replacing Miss Belle Renaut in the 3YA Melodious Four.

(mezzo-soprano), and Mr. Arthur Ripley (tenor). Mr. A. B. Chappell, M.A., will give another topical talk. During the evening there will be a short relay from the Scotts Hall of the Auckland Orphans' Club Orchestra, under the direction of Mr. Harold Baxter. It is hoped to make a regular feature of these short relays of selections by the Orchestra.

Popular Night From 2YA.

MRS. LURLIE DARGAVILLE, the possessor of a very fine contralto voice, will sing two numbers.

Mr. Andrew Bolton, an artist, who specialises in a form of entertainment new to New Zealand radio audiences, viz., yodelling with banjo accompaniment, will make his first appearance. His items are certain to find favour with listeners.

Mr. S. E. Rodger (baritone), is making a welcome reappearance before the microphone with the well-known items, "The Desert Song," "A Bachelor Gay" and "Queen of My Heart." Humorous sketches will be presented by Miss Lottie Rastall and Mr. W. G. Kitchener.

The Week

Belle of New York

4YA, Monday.

Love and Music

3YA, Thursday.

Tutankhamen

1YA, Thursday.

Faust

2YA, Friday.

Anderson Bay Glee Club

4YA, Friday.

Welsh Society

2YA, Saturday.

Listeners will no doubt remember the ovation that Reno and Arta, xylophone duo, received at a recent band concert, and will be pleased to hear that they are appearing on this programme.

The Salon Orchestra, under the conductorship of Mr. M. T. Dixon, will play suitable music, including Sindling's "Rustle of Spring."

Items from 4YA.

A REQUESTED repeat performance of the fine selection, "Reinzi," which was played by the Kalkoral Band over two months ago, is to be repeated in the concert session this evening.

The programme opens with a new march, entitled "British to the Backbone," written by a new composer—Hill. A descriptive "haka" is also included on the band's programme. Syncopated harmony will be contributed to the programme by Messrs. Wilson and Farrant. With many other vocal and elocutionary items this should prove a particularly bright and pleasing programme.

WEDNESDAY

From 1YA.

MISS BRIAR GARDNER will give the second of the series of talks on "Pottery" at 7.40 p.m.

From 8 to 9 p.m. a relay from the Auckland Town Hall of a sing-song conducted by the Auckland Community Singing Committee will be broadcast. During the winter relays of the community sings at the Town Hall have been conducted every Wednesday, and the committee has received literally hundreds of letters assuring them of listeners' appreciation of these broadcasts. The second half of the programme will commence with the debate by the Forums and Agniums on the subject: "That Capital Punishment Should be Abolished." The programme will include a gramophone lecture-recital by Mr. Karl Atkinson entitled "Songs and Their Stories."

Broadcast from 3YA.

OWING to the departure of Miss Belle Renaut for Wellington, her place in the Melodious Four at 3YA has been taken by Miss Millicent Jennings, contralto. The members of the quartet now are: Miss Frances Hamer

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SEND FOR NEW LIST



MISS BELLE RENAUD,
Until recently a 3YA artist, but now
resident in Wellington. She will no
doubt be heard from 2YA.
—Steffano Webb, photo.

ton, Miss Millicent Jennings, Mr. Russell Sumner, and Mr. T. D. Williams. The programme to be presented this evening will be mainly operative, excerpts being taken from grand and light opera. A number of miscellaneous vocal items are also included in the programme. The numbers by the Studio Octet comprise the "Fidelio" overture, three of Cadman's American Indian songs, a selection from "The Country Girl," "Three Dale Dances" (Wood), and Bucalossi's "Grasshopper's Dance." Elocutionary items will be contributed by Miss Winifred Smith.

Notes from Dunedin.

"SPRING CLEANING" will be the afternoon talk at 4YA by the Home Science Exhibition Department of Otago University. At 7.15 Mr. H. D. Kerr will speak to farmers on "Manufacture of Superphosphate." Both talks will be under the auspices of the 4YA Primary Productions Committee.

A new artist on 4YA's programme will be a boy soprano, Master Eric Johnson. He has a keen appreciation of rhythm, and possesses a wonderfully clear voice.

An exceptionally amusing sketch dealing with radio will be given by Miss Maiona Juriss. The instrumental portion is in the capable hands of the Novelty Syncopaters, whose versatility is exemplified to no small extent in this programme, when they will present, in addition to concerted numbers, saxophone solos and duets, piano novelties, and "catchy" vocal choruses. The vocal section is also strong.

THURSDAY

Fish Diet.

AT 3.15 p.m. from 1YA, 2YA and 3YA lecturers arranged for by the Home Science Extension Department of Otago University, will talk on "The Value of Fish in the Diet."

1YA Features.

THE String Octet, under Mr. Whitford Waugh, will play several numbers, including selections from "Rio Rita," "The Desert Song," "Traumerei," and Widor's "Serenade." One of the members of the orchestra, Mr. Frank Parsons, will play as a violin solo the beautiful "Schon Rosmarin." Two artists new to 1YA will

be heard; Miss Jenny Marsden (soprano) and Mr. Peter Black (baritone). The latter is the son of Auckland's well-known bass, Mr. Duncan Black. A very welcome reappearance will be that of Miss Rhona Speed, elocutionist. Novelty items are always very welcome and on their previous appearances the Nefatu Duo have been greatly appreciated. This duo's repertoire consists of vocal and instrumental numbers.

There will be a relay of portion of the Operatic Society's presentation of "Tutankhamen."

The programme will continue with dance music until 11 p.m.

Gleanings from 2YA.

THE Wellington City Salvation Army Band, assisted by the Aeolian Quartet and popular artists, will be heard over the air to-night. The band items will include "Gems from Mendelssohn," the march "Winnipeg Citadel," a meditation, "St. Agnes," by the cornet section of the band, an arrangement of "Tyrol Melodies" by the conductor, Mr. Scotney, gems from

phases, each one of which will be introduced by explanatory and descriptive remarks by Mr. Lilly.

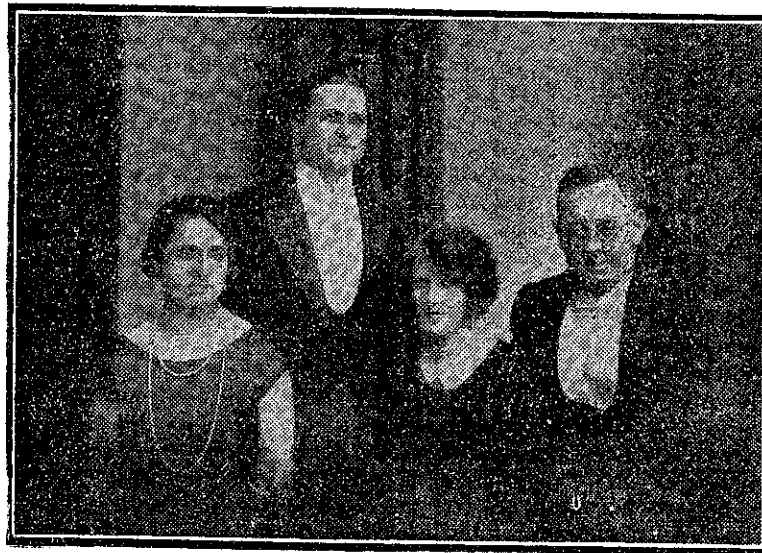
FRIDAY

From 1YA.

A VERY popular combination, the New Zealand Four, will be heard in some excellent solos, duets, and quartets. This quartet is very well known and appreciated by the Auckland public, and their appearances at 1YA are always eagerly looked forward to. Also appearing on the programme is Miss Joan Laird, soprano, who has become very popular with listeners. The flute, when well played, is a delightful instrument, and with such an artist as Mr. George Poore, listeners will be able to appreciate its beauties. Instrumental items will be played by the Studio Trio, and a pianoforte solo by Mr. Eric Waters will be included.

Opera from 2YA.

A SPECIAL programme of excerpts from Gounod's opera, "Faust," will be presented by Signor



THE SALON QUARTET OF 3YA.

It has been announced that Mr. H. Blakley (second from left) has resigned from this popular group of artists. He will be replaced by Mr. H. J. Francis.

—Steffano Webb, photo.

Haydn's "Creation," and a march number, "The Quest." The Aeolian Quartet is a male voice combination well known in Wellington's entertainment circles, and this is their second radio appearance at 2YA. The personnel is: First tenor, Mr. D. H. Mayall; second tenor, Mr. Arthur Coe; first bass, Mr. T. Watson; second bass, Mr. D. Hall. Their items will include quartets, a duet, and solos by individual members. Miss Gwladys Edwards will feature on this programme a group of songs by the popular songwriter, Liza Lehmann. The elocutionary portion of the programme will be given by Miss Betty Stewart, and Miss Joyce Morgan will be heard in novel vibraphone numbers.

3YA's Programme.

THE programme will be of a special nature, consisting of a lecture-recital entitled "Love and Music," under the direction of Mr. Arthur Lilly, A.R.C.O. Mr. Lilly, who is a well known Christchurch organist, is a New Zealand-born composer, and a talented musician. "Love and Music" consists of many sections, or

Lucien Cesaroni's Operatic Company at 2YA. Signor Lucien Cesaroni is known throughout the Dominion as the finest operatic bass to visit this country for some years past. Added interest will be given to the programme by the fact that the first act and portion of the second half of the programme will feature Signor Lucien Cesaroni as the leading soloist.

The supporting artists will be Mr. R. Trewern, tenor (as Faust), Mr. George Gray, and Miss M. Christie (who will support Signor Cesaroni in "The Church Scene" in Act 4). A chorus of pupils from Signor Cesaroni's studio will also assist. The Orchestra, under Signor A. P. Truda, will play the overture to "Faust," the "Margarita Valse" from the same opera, part two of the selection "Sapho" (by Massenet), and a selection from the opera "Mignon" (by Thomas).

Items from Christchurch.

THE fortnightly talk on "Radio Service" will be given by Mr. D. Cosgrove at 7.30. The concert programme

will be a popular concert, followed by a session of dance music provided by the Bailey-Marston Dance Orchestra. The Christchurch broadcasting trio supported by regular 3YA artists, will strengthen the concert programme.

4YA Jottings.

A SPLENDID studio concert will be broadcast when the Anderson's Bay Glee Club of 50 active members, with their orchestra of 20, will provide a complete evening's entertainment.

The Anderson's Bay Glee Club is a recognised musical body in Dunedin, and was founded in 1908 for the study of part songs and other concerted vocal music. Five of the original members of the club are still among the active list. For 19 years Mr. Harold B. Austing was the conductor, the present conductor being Mr. Jas. Clark, and the accompanist Miss Frances H. Ayson. Popular glees and vocal works are to be performed by this choir on this first appearance at the Studio of 4YA. The soloists are all members of the club, and a greatly varied programme has been arranged for the occasion.

SATURDAY

Auckland Features.

THE concert to be given in the Auckland Town Hall by the Municipal Band, under the conductorship of Mr. Hal McLennan, will be broadcast, and followed by a programme of dance music.

Notes from 2YA.

A PARTICULARLY interesting lecture should be forthcoming to-night, when Mr. O. A. Pope will talk on N.Z. poetry—a W.E.A. lecture.

AT 8 o'clock the Wellington Welsh reception to their Excellencies, Lord and Lady Bledisloe, will be put on the air. The relay will give Welsh people who are situated in remote parts of New Zealand an opportunity of taking part in what is, for them, an historic occasion.

Lady Bledisloe will be admitted as a member of the society. The question of the presentation of a Bardic Chair to the National Eisteddfod will also (Concluded on page 21.)



MRS. W. B. HARRIS, L.T.C.L.,
Who is well known on the air as
Miss Una Pope, of Kaitiaki. She
is the soprano of the Dulcet Quartet,
of 3YA.
—Steffano Webb, photo.

Full Programmes for Next

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Sunday, September 28

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, SEPTEMBER 28.

- 3.0 : Afternoon session—Selected studio items, including Literary Selection by the Announcer.
 4.30: Close down.
 6.0 : Children's session, conducted by Uncle Bert.
 6.55: Relay—Divine Service Beresford Street Congregational Church. Preacher: Rev. Albert V. Whiting. Choirmaster: Mr. William Gemmell. Organist: Mr. Arthur Cherry.
 8.30: (Approx.)—Relay of Municipal Band Concert from the Auckland Town Hall.
 9.30: (Approx.)—God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, SEPTEMBER 28.

- 3.0 to 4.30: Afternoon Session of Selected Gramophone-Records.
 6.0 : Children's Song Service, conducted by Uncle George, assisted by Children's Choir from St. Andrew's Presbyterian Church.
 7.0 : Relay of Evening Service of St. Thomas' Anglican Church, Wellington South. Preacher: Rev. C. V. Rooke, M.A. Organist and Choirmaster: Mr. W. Gatheridge.
 8.15: (Approx.)—Relay of the Band Recital of the Port Nicholson Silver Band from the Grand Opera House (Conductor, Mr. J. J. Drew).

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, SEPTEMBER 28.

- 3.0 : Afternoon session gramophone recital.
 4.30: Close down.
 5.30: Children's Service by children of Presbyterian Sunday Schools.
 6.15: Chimes from the studio.
 6.30: Relay of Evening Service from Knox Presbyterian Church, Bealey Avenue. Preacher: Rev. T. W. Armour. Organist: Miss Victoria Butler, L.A.B., A.T.C.L. Choirmaster: Mr. A. G. Thompson, B.A.
 7.45: (Approx.)—Musical recordings from studio.
 8.15: (Approx.)—Orchestral—Berlin State Opera, "Casse Noisette Overture Miniature" (Tschalkowsky) (Parlophone E10516).
 8.19: Tenor—Mr. Albert Carlisle, "In the Garden of My Heart" (Ball).
 8.23: 'Cello—Mr. Harold Beck, (a) "O Can Ye Sew Cushions" (Scottish Air, arr. Rowley); (b) "Minnet" (Gluck).
 8.29: Soprano—Mrs. W. B. Harris, "Prelude" (Ronald).
 8.33: Quartet—Dulcet Quartet, "Cuddle Doon" (Robertson).
 8.36: Orchestral—Berlin State Opera, "Casse Noisette Marche" (Tschalkowsky) (Parlophone E10516).
 8.40: Contralto—Miss Nellie Lowe, "The Cry of Rachel" (Salter).
 8.43: Baritone—Mr. A. G. Thompson, "Elfrida" (Knight).
 8.47: Instrumental—Broadcasting Trio, "Allegro Con Brio" from "Trio No. 3" (Beethoven).
 8.56: Tenor—Mr. Albert Carlisle, "Bird Songs at Eventide" (Coates).
 8.59: Weather report and station notices.
 9.2 : Orchestral—Berlin State Opera, "Casse Noisette"—"Dance of the Dragon Fly" (Tschalkowsky) (Parlophone E10517).
 9.6 : Contralto and baritone—Dulcet Duo, "Glory to Thee My God this Night" (Gounod).
 9.9 : Piano—Miss Dorothy Davies, "Etude in C Minor" (Chopin).
 9.14: Soprano—Mrs. W. B. Harris, (a) "The Cloths of Heaven" (Dunhill); (b) "City Child" (Stanford).
 9.19: Baritone—Mr. A. G. Thompson, "Serenade" (Gounod).
 9.23: Instrumental—Broadcasting Trio, (a) "Elegie" (Tschalkowsky); (b) "Orientale" (Cui).
 9.30: Contralto—Miss Nellie Lowe, "Ave Maria" (Schubert).
 9.34: Quartet—Dulcet Quartet, "The Message" (Caldicott).
 9.39: Orchestral—Berlin State Opera, "Valse des Fleurs" from "Casse Noisette" (Tschalkowsky) (Parlophone E10519).
 9.41: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, SEPTEMBER 28.

- 2.0 : Chimes. Relay from Town Hall of service commemorating jubilee of the Otago Rugby Football Union.
 5.30: Children's Song Service, conducted by Big Brother Bill.
 6.50: Relay of Evening Church Service from St. Andrew Street Church of Christ, conducted by Pastor W. D. Moore.
 7.45: Philadelphia Symphony Orchestra, "Casse-Noisette Suite."
 Salisbury Singers, "Sleep, Gentle Lady" (Bishop); "Round About a Wood" (Morley) (Col. 01498).
 8.15: Relay of studio programme from 3YA, Christchurch.
 9.20: God save the King.

Monday, September 29

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, SEPTEMBER 29. SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, SEPTEMBER 29.

- 3.0 : Chimes. Afternoon Session—Selected studio items.
 3.30 and 4.30: Sporting results to hand.
 3.40: Lecturette—Mr. Frank Hilton, "Lemon Cheese and Pastry, Various Kinds."
 4.55: Close down.
 5.0 : Children's session, conducted by Uncle Jeff.
 6.0 : Dinner music session.
 Orchestral—Halle Orchestra, "Capriccio Espagnole."
 6.13: Tacet.
 6.15: Orchestral—Menorah Symphony Orchestra, "Bar Kochba" Selection. Piano—Ignaz Friedman, "Minnetto From Suite" (J. Suk).
 Orchestral—New York Symphony Orchestra, "Entrance of the Little Fauns" (Pierne).
 6.28: Tacet.
 6.30: Band—B.B.C. Wireless Military Band, "Gathering Peascods—Folk Dance" (arrgd. Cecil J. Sharp).
 Violin—Yelly D'Aranyi, "Souvenir" (Ddria).
 Orchestral—Orchestra de la Societe des Concerts du Conservatoire Paris, "Le Rouet D'Omphale" (Saint-Saens).
 6.42: Tacet.
 6.45: Band—B.B.C. Wireless Military Band, "Epping Forest—Folk Dance." Piano—Ignaz Friedman, "Berceuse" (Chopin).
 Orchestral—Berlin State Orchestra, "Wiener Blut" (Strauss).
 6.58: Tacet.
 7.0 : News Session, market reports and sports results.
 7.40: Lecturette—Mr. H. C. South, "Books—Grave and Gay."
 8.0 : Chimes.
 Overture—2YA Orchestral (Conductor Signor A. P. Truda) "Hungarian Rhapsody No. 2" (Liszt).
 8.9 : Soprano—Miss Nora Gray, (a) "Have You Seen But a White Lily Grow" (argd. A.L.); (b) "See Where My Love a Maying Goes."
 8.15: Pianoforte—Miss Elleen Goodson, L.A.B., "Vienrese Waltz."
 8.22: Baritone—Mr. George Neel, "Vulcan's Song" (Gounod).
 8.26: Selection—2YA Orchestral, "Pellae Et Melisande" Pt. 2 (Sibelius).
 8.34: Elocution—Miss Gracie Kerr, "The Married Woman" (Cameron).
 8.40: Tenor—Mr. Lewis Campbell, "My Song To You" (Elliott).
 8.44: 'Cello—W. H. Squire, "Sicillienne" (Faure).
 8.48: Contralto—Miss Dorothy Spiller, (a) "Can This Be Love" (Mozart); (b) "The Green Hat" (Schumann).
 8.54: 2YA Orchestral—(a) Polonaise; (b) Arietta; (c) Passenglia.
 9.2 : Weather report and announcements.
 9.4 : Soprano—Miss Nora Gray, (a) "Enough" (Samuels); (b) "Spring Dropped a Song Into My Heart" (Fenner).
 9.10: Band—Garde Republicaine of France, "Clarinet Concerto" (Weber).
 9.18: Baritone—Mr. Geo. Neel, "Pass Everyman" (Sanderson).
 9.22: Suite—2YA Orchestral, "The Myrries of Damascus."
 9.32: Elocution—Miss Gracie Kerr, "The Married Man" (By a Married Woman) (Mrs. Stewart).
 9.38: Tenor—Mr. Lewis Campbell, (a) "The Rose" (Johnston); (b) "The Secret" (Scott).
 9.44: 'Cello—W. H. Squire, "Slumber Song" (Squire).
 9.48: Contralto—Miss Dorothy Spiller, "Heart of Gold" (Sonteyn-Manney).
 9.52: Male Choir—Wiener Schubertbund, "Der Tanz" (Schubert).
 9.57: Valse—2YA Orchestral, "Love in Spring" (Waldteufel).
 10.3 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, SEPTEMBER 29.

- 3.0 : Afternoon session—Gramophone recital.
 4.25: Sports results.
 4.30: Close down.
 5.0 : Children's Hour, conducted by Scatterjoy.
 6.0 : Dinner session.
 Orchestral—Albert Sandler and His Orchestra, "Someday, Somewhere" (Rapee-Pollack).
 Band—B.B.C. Wireless Military Band, "Strathspeys and Reels" Part 1 (arrgd. B. Walton O'Donnell), Pt. 2 (arrgd. G. Williams).
 Saxophone—Rudy Wiedoeft, "Saxo-Phun" (Wiedoeft).
 Orchestral—Len Fillis Novelty Trio, "The Heart of the Sunset."
 6.13: Tacet.
 6.15: Orchestral—Percy Pitt and Augmented Symphony Orchestra, "Poet and Peasant Overture Parts 1 and 2" (Suppe).
 Harp—Sidonie Goossens, "Song of the Volga Boatmen."

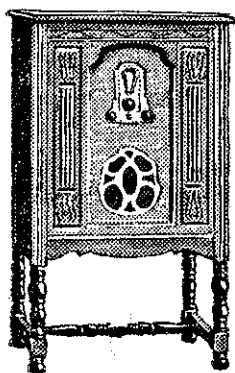
Week-all Stations-to Oct. 5

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- Band—H. G. Amers and the Eastbourne Municipal Band, "The B'Hoys of Tipperary" (Amers).
- 6.28: Tacet.
- 6.30: Orchestral—Albert Sandler and His Orchestra, "Sonny Boy."
Orchestral—H. G. Amers and the Eastbourne Municipal Orchestra, "Second Serenata" (Toselli—arrgd. Geehl).
Saxophone—Rudy Wiedoeft, "La Cinquantaine."
Orchestral—Debroy Somers Band, "Russian Fantasy."
- 6.43: Tacet.
- 6.45: Band—H. G. Amers and the Eastbourne Municipal Band, "All on a Christmas Morning" (Idyll) (Amers).
Orchestral—B.B.C. Wireless Symphony Orchestra, "H.M.S. Pinafore Selection Parts 1 and 2" (Sullivan).
Orchestral—H. G. Amers and the Eastbourne Municipal Orchestra, "Tarentelle for Flute and Clarinet" (Saint-Saens).
- 8.58: Tacet.
- 7.0: News session.
- 7.30: Talk by Mr. E. E. Wilshire (President of the Linwood Library) "Books of the Month."
- 8.0: Chimes.
Band programme by the Christchurch Municipal Band (Conductor J. Noble) and assisted by 3YA artists.
March—Band, "On the Quarter Deck" (Alford).
Overture—Band, "Tancredi" (Rossini).
- 8.15: Baritone—Mr. J. Francis Jones, "Will o' the Wisp" (Cherry).
8.19: Organ—Jesse Crawford, "Tip Toe Through the Tulips" (Burke).
8.22: Soprano—Mrs. Ida Graham, "The Swallows" (Cowan).

- 8.26: Cornet duet—Bandsmen H. Barsby and E. Benson, Polka "Jupiter and Mars" (Bulch).
- 8.32: Recitations—Miss Marion Drysdale, (a) "The Three Wishes" (Inkster); (b) "The Troublesome Wife" (Anon).
- 8.37: Tenor—Mr. H. J. Francis, "Afton Water" (Scottish).
- 8.41: Hawaiian Orchestra—Walter Kolomoku's Honoluluans, "Southern Melodies Waltz No. 1."
- 8.45: Contralto—Miss Nancy Bowden, (a) "My Heart's a Heaven" (Steinel); (b) "Mary O'Neill" (Nightingale).
- 8.50: Selection—Band, "The Bohemian Girl" (Balfe).
- 9.0: Weather report and station notices.
- 9.2: Chorus—Light Opera Chorus, "Hit The Deck" (Youmans).
- 9.10: Baritone—Mr. J. Francis Jones, (a) "Oh That We Two Were Maying" (Nevin); (b) "Peg Away" (Bevan).
- 9.16: Waltz—Band, "Desdemona" (Carter).
- 9.24: Contralto—Miss Nancy Bowden, (a) "The Crescent Moon" (Sanderson); (b) "The Carpet" (Sanderson).
- 9.29: Organ—Jesse Crawford, "Chant of the Jungle" (Brown).
- 9.33: Recitations—Miss Marion Drysdale, (a) "For a' That" (Burns); (b) "Poaching Up To Date" (Anon).
- 9.37: Hymn—The Band, "Come My Soul Thy Suit Prepare" (R. A. Horne).
- 9.42: Tenor—Mr. H. J. Francis, (a) "Life is a Caravan" (Del Reigo); (b) "Uncle Rome" (Homer).
- 9.48: Hawaiian Orchestra—Walter Kolomoku's Honoluluans, "Southern Melodies Waltz No. 2."
- 9.51: Soprano—Mrs. Ida Graham (a) "A Memory" (Huntly). (b) "A Little Love, A Little Kiss" (Ross).
- 9.57: March—Band, "The Flying Squad" (Ord Hume).
God save the King.

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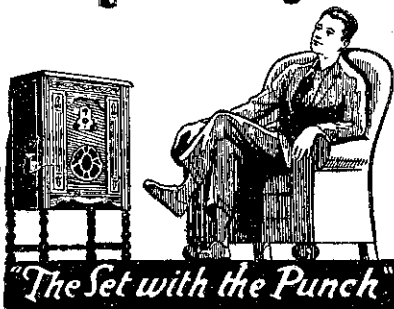
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WELLINGTON

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, SEPTEMBER 29.

- 3.0: Chimes. Selected gramophone items.
- 4.25: Sporting results.
- 5.0: Chimes. Children's Hour, conducted by Big Brother Bill.
- 6.0: Dinner session.
Overture—Berlin State Opera Orchestra, "Mignon" (Thomas).
Instrumental—Grand Symphony Orchestra, "Tales of Hoffman-Baz-carolle" (Offenbach).
- 6.12: Tacet.
- 6.15: Fantasia—Edith Lorand Orchestra, "Faust" (Gounod).
Piano—Karol Szeleter, "Fledermaus" (Strauss).
- 6.27: Tacet.
- 6.30: Berlin State Opera Orchestra, "Italiana in Algeria" (Rossini).
Cello—Orabio de Castro, "Nocturne in E Flat" (Chopin).
- 6.42: Tacet.
- 6.45: Overture—Grand Symphony Orchestra, "Fra Diavolo" (Auber).
Instrumental—Grand Symphony Orchestra, "Tales of Hoffman—" "Entr'acte and Minuet" (Offenbach).
- 6.57: Tacet.
- 7.0: News session.
- 7.40: Talk—Under auspices of W.E.A., J. G. Anderson, M.A., Training College.
- 8.0: Chimes. Plaza Theatre Orchestra, "The Belle of New York."
- 8.9: Choruses—Trio, Duets, and Solos by Dunedin Amateur Operatic and Dramatic Society, from "Belle of New York" (Kerker). Musical Director: Thos. J. Kirk-Burnnand. Honorary Pianiste: Miss Jean Cubitt.
- 8.59: Weather report.
- 9.1: Selection—Columbia Symphony Orchestra, "Faust Selection."
- 9.9: Soprano—Miss Lettie de Clifford, "Roberto O Tu Che Adora" from "Roberto il Diavolo" (Rossini).
- 9.12: Violin—Mr. Jack Clark, "Seagirt Land of My Home" (Monckton).
- 9.16: Recital—Miss Tui Northey—(a) "An Incident" (Anon); (b) "Billet Doux" (Anon).
- 9.22: Tenor—Mr. H. A. Johnston, "Mountain Lovers" (Squire).
- 9.26: Cello—Pablo Casals, "The Mastersingers of Nuremberg."
- 9.30: Soprano—Miss Lettie de Clifford, (a) "Wake Up, Wake Up" (Philips); (b) "Love's a Merchant" (Carew).
- 9.36: Piano—Mrs. C. Drake, "Aufsweiring" (Schumann).
- 9.40: Baritone—Mr. Jack Clark, "Star of Eve" (Wagner).
- 9.46: Recital—Miss Tui Northey, "The Serial Story" (Anon).
- 9.50: Tenor—Mr. H. A. Johnston, "Thou'rt Like a Lovely Flower."
- 9.54: Band—H.M. Coldstream Guards, "H.M.S. Pinafore" (Sullivan).
- 10.2: God save the King.

Tuesday, September 30

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, SEPTEMBER 30.

- 3.0: Afternoon session—Selected studio items, including literary selection by the Announcer.

- 3.15: Talk—Mrs. Les. Crane, "Health and Beauty in Relation to Diet."
 3.30: Further selected studio items.
 4.30: Close down.
 5.0: Children's session, conducted by "Uncle Dave."
 6.0: Dinner session.
 Selection—New Mayfair Orchestra, "Lilac Time" (Schubert-Clutsam).
 Orchestral—Royal Opera Orchestra, "Carmen Ballet No. 1" (Bizet).
 6.12: Tacet.
 6.15: Orchestral—National Symphony Orchestra, "William Tell Overture."
 6.27: Tacet.
 6.30: Instrumental—Royal Opera Orchestra, "Sylvia Ballet—Pizzicato and Procession of Bacchus" (Deilbes).
 Orchestral—Royal Opera Orchestra, "Carmen Ballet No. 2" (Bizet).
 6.42: Tacet.
 6.45: Orchestral—London Symphony Orchestra, "Chanson de Marin."
 Trio—Fritz and Hugo Kreisler and Michael Raucheisen, "Arlesienne Intermezzo" (Bizet—arr. Kreisler).
 Instrumental—Philadelphia Symphony Orchestra, "Nocturne No. 2."
 6.57: Tacet.
 7.0: News—Information and reports.
 8.0: Chimes. Overture—Marek Weber and His Orchestra, "The Beggar Student" (Millockner).
 8.9: Mezzo-soprano—Miss Joyce Seth-Smith, "Ah! Se Tu Dormi."
 8.13: Selection—1YA String Octet, under direction of Mr. J. Whitford Waugh, "Les Saltimbanques" (Choudens).
 8.28: Tenor—Mr. Arthur H. Ripley, (a) "Like a Beam," from "Martha" (Flotow); (b) "Your Tiny Hand is Frozen," from "La Boheme."
 8.30: Relay—Auckland Orphans' Club Orchestra (from Scotts Hall).
 8.45: Talk—Mr. A. B. Chappell, M.A., "Topical Talk."
 9.0: Evening weather forecast and announcements.
 9.2: Band—H.M. Coldstream Guards, "Martha" Selection (Flotow).
 9.10: Mezzo-soprano—Miss Joyce Seth-Smith, (a) "Donnez! Donnez!" from "Le Prophete" (Meyerbeer); (b) "Connais-Tu," from "Mignon."
 9.17: Orchestral—1YA String Octet, (a) "Bacchanale," from "Samson and Delilah" (Saint Saens).
 Violin solo—Mr. Haydn Murray, (b) "Ave Maria" (Schubert).
 9.29: Tenor—Mr. Arthur H. Ripley, "La Donna e Mobile."
 9.33: Selection—1YA String Octet, "Lilac Time," Part 1 (Schubert).
 9.48: Chorus—Light Opera Company, "The Student Prince" Selections.
 9.52: Selection—1YA String Octet, "Lucia D'Lammermoor" (Donizetti).
 10.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, SEPTEMBER 30.

- 3.0: Chimes. Afternoon session—Selected gramophone items.
 3.30 and 4.30: Sporting results to hand.
 4.55: Close down.
 5.0: Children's session, conducted by Uncle Jim.
 6.0: Dinner session.
 Band—B.B.C. Wireless Military Band, "Haste to the Wedding—Folk Dance" (arrgd. Cecil J. Sharp).
 Orchestral—The Elite Dance Orchestra, "In Einer Konditorei—Tango."
 Orchestral—New Concert Orchestra, "Life in Vienna," Parts 1 and 2.
 6.14: Tacet.
 6.15: Orchestral—New Concert Orchestra, "Life in Vienna," Parts 3 and 4.
 Band—Military Band, "The Guards' Patrol" (Williams).
 Orchestral—Dinicu and His Orchestra, "Crepuscule Tango" (Bianco).
 6.28: Tacet.
 6.30: Band—B.B.C. Wireless Military Band, "The Flamborough Sword Dance" (arrgd. Cecil J. Sharp).
 Orchestral—Gustav Holst, conducting the London Symphony Orchestra "Marching Song" (Gustav Holst).
 Orchestral—Sir Hamilton Harty, conducting the Halle Orchestra, "An Irish Symphony—Scherzo" (Sir Hamilton Harty).
 Orchestral—Debroy Somers' Band, "The Blue Danube Waltz" (Strauss).
 6.43: Tacet.
 6.45: Band—B.B.C. Wireless Military Band, "Kirkby Malzeard Sword Dance"
 Orchestral—Debroy Somers' Band, "Wiener Blut Waltz" (J. Strauss).
 Orchestral—Halle Orchestra, "Londonderry Air" (Hamilton Harty).
 Band—Military Band, "Ever or Never" (Waldteufel).
 6.57: Tacet.
 7.0: News session, market reports and sports results.
 7.40: Lecture—Representative, Agricultural Department, "For the Man on the Land."
 8.0: Chimes. Overture—2YA Salon Orchestra (Conductor, Mr. M. T. Dixon), "Mireille" (Gounod).
 8.9: Contralto—Mrs. Lurline Dargaville, "Mifanwy" (Forster).
 8.13: Xylophone duo—Reno and Arta, (a) "Caliph of Baghdad" (Boieldieu); (b) "Lonesome Doll" (Boutelje).
 8.20: Baritone—Mr. S. Evelyn Rodger, (a) "The Desert Song" (Romberg); (b) "A Bachelor Gay," from "Maid of the Mountains."
 8.27: Suite—2YA Salon Orchestra, "Gabrielle Suite," Part 1 (Rosse).
 8.35: Humorous sketch—Miss Lottie Rastall and Mr. W. G. Kitchener, "The Kipper" (Moore).
 8.42: Yodelling with banjo accompaniment—Mr. Andrew Bolton, "Rocking My Baby" (Rodgers).
 8.48: Selection—2YA Salon Orchestra, "Request Item."
 8.55: Contralto—Mrs. Lurline Dargaville, "My Prayer" (Squire).
 8.59: Weather report and announcements.
 9.1: Xylophone duo—Reno and Arta, (a) "Popular Song Medley" (MSS.); (b) "Hungarian Dance No. 5" (Brahms).

- 9.8: Baritone—Mr. S. Evelyn Rodger, "Queen of My Heart" (Cellier).
 9.12: Suite—2YA Salon Orchestra, "Gabrielle Suite," Part 2 (Rosse).
 9.20: Humorous sketch—Miss Lottie Rastall and Mr. W. G. Kitchener, "New Year's Eve" (Lindo).
 9.27: Yodelling with banjo accompaniment—Mr. Andrew Bolton, "Treasures Untold" (Rodgers).
 9.31: Selection—2YA Salon Orchestra, "Rustle of Spring" (Sinding).
 9.36: Foxtrot—Anglo-Persians, "Dancing Butterfly" (Pascal-Golden).
 Foxtrot—Abe Lyman and His California Orchestra, "Worryin' Over You" (Tobias—de Rose).
 Foxtrot—Al Goodman and His "Flying High" Orchestra, "Thank Your Father" (de Sylva).
 Waltz—Regent Club Orchestra, "I Love You So" (Kahn-Fiorito).
 9.42: Foxtrot—Tom Clines and His Music, "Until Love Comes Along."
 Foxtrot—Lloyd Huntley and His Isle o' Blues Orchestra, "Promises."
 Foxtrot—Ben Bernie and His Orchestra, "Telling it to the Daisies."
 Foxtrot—Lloyd Huntley and His Isle o' Blues Orchestra, "On a Blue and Moonless Night" (O'Flynn-Hoffman-Osborne).
 9.54: Vocal trio—Earl Burnett's Biltmore Trio, "If I'm Dreaming."
 Foxtrot—Ben Bernie and His Orchestra, "Keepin' Myself for You."
 Foxtrot—Colonial Club Orchestra, "Caribbean Love Song" (Berton).
 Foxtrot—Ben Bernie and His Orchestra, "You Brought a New Kind of Love to Me" (Pain-Kahal-Norman).
 Foxtrot—Tom Clines and His Music, "Any Time's the Time to Fall in Love" (Janis-King).
 10.9: Waltz—Ben Bernie and His Hotel Roosevelt Orchestra, "Coquette."
 Foxtrot—Dan Russo and His Oriole Orchestra, "Sweetheart."
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "Exactly Like You."
 Foxtrot—Ben Bernie and His Orchestra, "Reminiscing."
 10.21: Vocal—Vaughn de Leath, "Sometimes I'm Happy."
 Foxtrot—Abe Lyman and His California Orchestra, "You Will Come Back to Me" (Fields-Rose).
 Foxtrot—Ben Bernie and His Orchestra, "Livin' in the Sunlight, Lovin' in the Moonlight" (Sherman-Lewis).
 Foxtrot—Colonial Club Orchestra, "Watching My Dreams Go By."
 10.33: Waltz—Regent Club Orchestra, "Lazy Louisiana Moon" (Donaldson).
 Foxtrot—Colonial Club Orchestra, "Wherever You Are."
 Foxtrot—Colonial Club Orchestra, "Sweepin' the Clouds Away."
 10.42: Vocal trio—Earl Burnett's Biltmore Trio, "A Year From To-day."
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "On the Sunny Side of the Street" (Fields).
 Foxtrot—The Jungle Band, "Sweet Mama" (Ellington-Mills).
 Waltz—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Love Boat" (Brown-Freed).
 Foxtrot—Anglo-Persians, "The Toy-Town Admiral" (Godfrey-Andrew).
 Foxtrot—Colonial Club Orchestra, "All Alone Monday" (Kalmar-Ruby).
 11.0: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, SEPTEMBER 30.

SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, SEPTEMBER 30.

- 3.0: Chimes. Selected gramophone items.
 4.25: Sporting results.
 5.0: Chimes. Children's Hour, conducted by Uncle Bert.
 6.0: Dinner session.
 Orchestral—New Symphony Orchestra, "Toy Symphony" (Romberg).
 Orchestral—Concert Orchestra, "Minuet" (Boccherini).
 Violin—Peter Bornstein, "Musette" (Rameau-Liebersohn).
 6.13: Tacet.
 6.15: Orchestral—Zonophone Salon Orchestra, "Old Rustic Bridge."
 Orchestral—International Novelty Orchestra, "Eva" Waltzes (Lehar).
 Organ—Sidney Gustard, "Cuckoo" (Jonasson).
 Orchestral—International Novelty Quartet, "Over the Waves" (Rosas).
 6.28: Tacet.
 6.30: Orchestral—International Novelty Orchestra, "Carmen Sylva."
 Orchestral—Zonophone Salon Orchestra, "Killarney" (Balfe).
 Violin—Peter Bornstein, (a) "Mazurka" (Wienlawski); (b) "Polichinelle" (Kreisler).
 Orchestral—International Novelty Quartet, "See Me Dance the Polka."
 6.43: Tacet.
 6.45: Orchestral—Concert Orchestra, "Sous Bois" (Staub).
 Organ—Sandy Macpherson, "I Promise" (Hirsch-Wilhite).
 Orchestral—National Symphony Orchestra, "Zampa Overture Parts 1 and 2" (Herold).
 6.58: Tacet.
 7.0: News session.
 7.40: Talk—Mr. R. W. Marshall, "Tourist Resorts."
 8.0: Chimes. Programme of Music to be rendered by Kalkorai Band under direction of Mr. Thos. J. Kirk-Burnand.
 March—The Band, "British to the Backbone" (Hill).
 Valse de Concert—The Band, "Sylvan Echoes" (Greenwood).
 8.12: Baritone—Mr. C. S. Hawes, (a) "Friend o' Mine" (Sanderson); (b) "Duna" (McGill).
 8.18: Accordion—Chas. Magnate, "My Florence."
 8.22: Recital—Miss Isobel McGregor, "The Clown" (Walsh).
 8.26: Soprano—Miss P. Marshall, "Mifanwy" (Forster).
 8.29: Selection—The Band, (a) "Maori Poi" dance (argd. Hume). (b) "Haka" (arrgd. Hume).

- 8.87: Tenor—Mr. Geo. Crawford, (a) "Silent Moon" (Williams); (b) "Be Thou Faithful Unto Death" (Mendelssohn).
 8.48: Euphonium with band accompaniment—Mr. M. Clarke, "Land of Hope and Glory" (Elgar).
 8.50: Syncopation Harmony—Mr. J. Moore Wilson and T. Farrant, (a) "A Pair of Blue Eyes" (Kernell); (b) "The Rose of Tralee."
 8.58: Weather report.
 9.0: Orchestral—Debroy Somers Band, "The Singing Fool Selection."
 9.8: Baritone—Mr. C. S. Hawes, "Come to the Fair" (Martin).
 9.11: Organ—Jesse Crawford, (a) "Hawaiian Sandman" (Klickman); (b) "I Love to Hear You Singing" (Wood).
 9.17: Recital—Miss Isobel McGregor, (a) "Only a Smile" (Unknown); (b) "Over the Telephone."
 9.28: Grand Selection—The Band, "Rienzi" (Wagner).
 9.38: Soprano—Miss P. Marshall, (a) "Come, For It's June" (Forster); (b) "Just Because the Violets" (Russell).
 9.44: Accordion—Chas. Magnate, "Beautiful Days."
 9.47: Tenor—Mr. George Crawford, "Youth" (Allitsen).
 9.50: Violin and Syncopation Harmony—J. Moore Wilson and T. Farrant, "Telling It To The Daisies" (Young).
 9.54: Madrigal—The Band, "Sing a Joyous Roundelay" (Purcell).
 March—The Band, "The Conqueror" (Moorhouse).
 10.0: God save the King.

- Band—H. G. Amers and the Eastbourne Municipal Band, "Dancing Doll" (Poupee Valsante) (Poldini).
 Orchestral—H. G. Amers and the Eastbourne Municipal Orchestra, "Silhouettes—The Dreamer" (Arensky).
 6.44: Tacet.
 6.45: Orchestral—Zurich Tonhalle Orchestra, "Il Seraglio" Overture Parts 1 and 2" (Mozart, arrgd. Busoni).
 Violin solo—Toscha Seidel, "Ave Maria" (Schubert).
 Orchestral—Symphony Orchestra, "Coppelia Ballet—Entr'Acte and Valse" (Delibes).

- 6.58: Tacet.
 7.0: News session.
 7.30: Adding stock market reports.
 8.0: Chimes. Operatic and Miscellaneous Programme.
 Overture—Basle Symphony Orchestra, "Der Freischutz" (Weber).
 8.13: Vocal trio—Melodious Trio, "Wisdom Says Festina Lente" from "Tom Jones" (German).
 Soprano—Miss Frances Hamerton, "Nightingales Passion Stirred" from "Hippolyte et Aricie" (Rameau).
 8.20: Instrumental—Studio Instrumental Octet (Conductor Mr. Harold "Overture to Fidelio" (Beethoven).
 8.26: Bass—Mr. T. D. Williams, "The Calf of Gold" from "Faust" (Gounod).
 8.29: Recitation—Miss Winifred Smith, (a) "Breakfast" (Harry Graham). (b) "Oh!" (M.S.).
 8.34: Soprano and Contralto—Melodious Duo, "Duetto" from "La Dame de Pique" (Tschalkowsky).
 8.37: Cello—Lauri Kennedy, "Hungarian Rhapsody" (Popper).
 8.40: Mezzo-contralto—Miss Millicent Jennings, "Knowst Thou the Land" from "Mignon" (Thomas).
 8.44: Bass—Mr. T. D. Williams, "I'm a Roamer" (Mendelssohn).
 8.49: Instrumental—Studio Octet, "American Indian Songs" (a) "From the Land of the Sky Blue Water"; (b) "The White Dawn is Stealing." (c) "The Moon Drops Low" (Cadman).
 8.56: Male Choir—Don Cossacks, "Evening Bells" (arrgd. Jaroff).
 9.0: Weather report and station notices.
 9.2: Band—H.M. Grenadier Guards, "Nell Gwynn Dance No. 3" (German).
 9.5: Quartet—Melodious Four, "Madrigal" from "Tom Jones" (German).
 Tenor—Mr. Russell Sumner, "The Flower Song" from "Carmen."
 9.12: Instrumental—Studio Octet, "Operatic Selection the Country Girl."
 9.25 Soprano—Miss Frances Hamerton, (a) "Heffle Cuckoo Fair" (Martin Shaw); (b) "Forest Lullaby" (Baynon).
 Trio—Melodious Trio, "You Have a Pretty Wit" from "Tom Jones."
 9.32: Recitation—Miss Winifred Smith, "Yes! Papa" (M.S.).
 9.36: Instrumental—Studio Octet, "Three Dale Danes" (Wood).
 9.44: Mezzo-contralto—Miss Millicent Jennings, (a) "Over the Hills" from "African Romances" (Coleridge-Taylor). (b) "Evensong."
 9.48: Cello—Lauri Kennedy, (a) "Cradle Song"; (b) "Songs My Mother Taught Me" (Dvorak).
 9.52: Tenor—Mr. Russell Sumner, (a) "Serenade" (Toselli); (b) "Carita."
 Quartet—Melodious Four, "How Sweet the Moonlight."
 9.59: Instrumental—Studio Octet, "Grasshopper's Dance" (Bucalossi).
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, OCTOBER 1

- 3.0: Chimes. Selected gramophone items.
 3.15: Talk—Home Science Extension Department of Otago University, under auspices of 4YA Primary Productions Committee—"Spring Cleaning."
 4.25: Sporting results.
 5.0: Chimes. Children's Hour, conducted by "Big Brother Bill."
 6.0: Dinner session:
 March—American Legion Band, "The Conqueror" (Teike).
 Selection—Savoy Orphans, "Lido Lady" (Rodgers).
 6.12: Tacet.
 6.15: New Light Symphony Orchestra, "Rustic Wedding Symphony."
 Victor Olof Sextet, "To a Water Lily" (Macdowell).
 New Light Symphony Orchestra, "Spanish Dance" (Moszkowski).
 Wurlitzer organ—Reginald Foort, "Just Like a Darby and Joan."
 6.20: Tacet.
 6.30: Jack Hylton's Orchestra, "The Selfish Giant" (Coates).
 Victor Olof Sextet, (a) "To a Wild Rose," (b) "In Autumn."
 Violin and Wurlitzer organ—De Groot and Terence Casey, "Parted."
 6.44: Tacet.
 6.45: Victor Symphony Orchestra, "Dance of the Hours" (Ponchielli).
 Wurlitzer organ—Reginald Foort, "Love Lies" (Kellard).
 March—American Legion Band, "Iowa Corn Song" (arr. Beeston).
 6.58: Tacet.
 7.0: News session.
 7.15: Talk—Mr. H. D. Kerr, under auspices of 4YA Primary Productions Committee, "Manufacture of Superphosphate."
 8.0: Chimes. Selection—Jack Hylton and His Orchestra, "Melodious Memories" (Finck).
 8.9: Boy soprano—Master Eric Johnson, (a) "The Little Irish Girl" (Lohr), (b) "Your Smiling Irish Eyes" (Perkins).
 8.16: Popular melodies with vocal choruses—Novelty Syncopators, (a) "When You're Counting the Stars" (Russell), (b) "I'm Only Making Believe" (Davies).
 8.24: Baritone—Mr. William Ruffell, "Border Ballad" (Cowen).
 8.27: Piano novelty—Mr. J. Wilson, "Crescendo" (Lasson).
 8.31: Mezzo-soprano—Miss M. Andrews, (a) "Tiet Signor" (Meyerbeer), (b) "Ma Curly-Headed Baby" (Clutsam).

Wednesday, October 1

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, OCTOBER 1

- 3.0: Afternoon session—Selected studio items, including Literary selection by the Announcer.
 4.30: Close down.
 5.0: Children's session, conducted by Uncle Tom.
 6.0: Dinner session.
 Band—Royal Italian Band, "Maria Reale" (Gabetti).
 Instrumental—Court Symphony Orchestra, "In Venice" (Sellars).
 Cinema organ—Stanley MacDonald, "Was It a Dream?" (Coslow).
 Band—Royal Italian Band, "Garibaldi's Hymn" (Olivieri).
 6.12: Tacet.
 6.15: Instrumental—Ketelbey's Concert Orchestra, "Sanctuary of the Heart" (Ketelbey) (02690).
 Cello—W. H. Squire, "Melody in F" (Popper) (04178).
 6.27: Tacet.
 6.30: Instrumental—W. H. Squire's Celeste Octet, "Mignon" 1. Introduction, and Romance; 2. Polonaise (Thomas).
 Cello—W. H. Squire, "Silver Threads Among the Gold."
 6.42: Tacet.
 6.45: Band—H.M. Grenadier Guards, "Turkish Patrol" (Michaelis).
 Cinema organ—Stanley MacDonald, "Nicolette" (Batten).
 Waltz—Jacque Jacobs Ensemble, "Weiner Blut" (Strauss).
 Idyll—H.M. Grenadier Guards Band, "Smithy in the Woods."
 6.58: Tacet.
 7.0: News and market reports.
 7.40: Talk—Miss Briar Garner—"Pottery."
 8.0: Chimes.
 Relay—Community Singing from Auckland Town Hall.
 9.0: Evening weather forecast and announcements.
 9.2: Debate—The Forum and Aginum, "That Capital Punishment Should Be Abolished."
 9.32: Lecture-Recital—Mr. Karl Atkinson, "Gramophone Lecture-Recital," Songs and Their Stories.
 10.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, OCTOBER 1

SILENT DAY.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, OCTOBER 1

- 3.0: Afternoon session—Gramophone recital.
 4.25: Sports results.
 4.30: Close down.
 5.0: Children's Hour, conducted by Uncle John.
 6.0: Dinner Session.
 Orchestral—Milan Symphony Orchestra, "Mignon" Overture Pts. 1 and 2" (Thomas).
 Band—H. G. Amers and the Eastbourne Municipal Band, "The Little Clock on the Mantel" (Wheeler).
 Orchestral—Jean Lensen and His Orchestra, "Millions D'Arlequin."
 6.14: Tacet.
 6.15: Orchestral—Symphony Orchestra, "Hungarian March" (Berlioz).
 Violin solo—Toscha Seidel, "Hebrew Melody."
 Orchestral—Jean Lensen and His Orchestra, "Si Mes Vers Avaient Des Ailes" (Hahn).
 Orchestral—Bernardo Gallico and His Orchestra, "The Dance of the Dwarfs" (Noack).
 6.29: Tacet.
 6.30: Orchestral—H. G. Amers and the Eastbourne Municipal Orchestra, "Silhouettes" (Arensky), (a) "Introduction"; (b) "La Coquette."
 Orchestral—Bernardo Gallico and His Orchestra, "The Clock is Playing" (Blaauw).

- 8.37: Popular melody with vocal chorus—Novelty Syncopators, (a) "I'm a Dreamer" (De Sylva), (b) "If I had a Talking Picture of You."
 8.44: Recital—Miss Maiona E. Juriss, "Radio Recipe" (Anon.).
 8.48: Saxophone duet—Messrs. McCaw and T. Law, "Slip'n' Sax."
 8.52: Contralto—Miss Constance Poole, (a) "A Summer Night" (Thomas), (b) "Before the Dawn" (Lang).
 8.59: Weather report.
 9.1: Popular melody—Novelty Syncopators, "Your Mother and Mine."
 9.5: Boy soprano—Master Eric Johnson, "Wondering Why" (Clarke).
 9.8: Waltz—Novelty Syncopators, "Pal of My Sweetheart Days" (Davies).
 9.11: Recital—Miss Maiona E. Juriss, "By Special Request" (Anon.).
 9.16: Mezzo-soprano—Miss M. Andrews, "The Flutes of Spring" (Blanc).
 9.19: Popular melodies—Novelty Syncopators, "Dicky Bird Told Me So."
 9.22: Baritone—Mr. William Ruffell, (a) "Trumpeter" (Dix), (b) "Sittin' Thinkin'" (Fischer).
 9.27: Popular melody with vocal chorus—Novelty Syncopators, "Latest Waltz Hit."
 9.31: Contralto—Miss Constance Poole, "O Lovely Night" (Ronald).
 9.34: Dance session:
 Foxtrots—Jesse Stafford and His Orchestra:
 "I'm Sailing on a Sunbeam" (Dreyer).
 "Ragamuffin Romeo" (De Costa).
 "A Bench in the Park" (Yellen).
 9.39: Waltz—The Thematics Orchestra, "Giovanna" (Kountz).
 Waltz—Regent Club Orchestra, "The Moonlight Reminds Me of You."
 Vocal—Marion Harris, "Wasn't It Nice?" (Young).
 9.48: Foxtrot—Colonial Club Orchestra, "It's You I Love" (Davis).
 Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Whip-poorwill" (De Voil).
 Waltz—Castlewood Marimba Band, "A Night of Love in Hawaii."
 9.57: Foxtrot—Meyer Davis's Hotel Astor Orchestra, "Blue is the Night."
 Foxtrot—Colonial Club Orchestra, "Why?" (Davis).
 Foxtrot—Jesse Stafford and His Orchestra, "I'm Following You."
 Waltz—Regent Club Orchestra, "Dancing with the Tears in My Eyes."
 Waltz—Castlewood Marimba Band, "My Heart Belongs to the Girl Who Belongs to Somebody Else" (Sherman, Lewis).
 10.12: Foxtrot—Hal Kemp and His Orchestra, "Give Yourself a Pat on the Back" (Butler, Wallace).
 Foxtrot—Tom Gerun and His Orchestra, "Absence Makes the Heart Grow Fonder" (Lewis).
 Foxtrot—Bob Haring and His Orchestra, "I Still Remember" (Tobias).
 Foxtrot—Tom Clines and His Music, "Wasn't It Nice?" (Young).
 Foxtrot—Colonial Club Orchestra, "Stein Song" (Colcord-Fenstad).
 Waltz—Castlewood Marimba Band, "Down the River of Golden Dreams."
 10.30: Foxtrot—Meyer Davis's Hotel Astor Orchestra, "Nobody Cares If I'm Blue" (Clarke-Akst).
 Foxtrot—Hal Kemp and His Orchestra—"If I Had a Girl Like You."
 Foxtrot—Meyer Davis's Hotel Astor Orchestra, "Ro-ro-rolling Along."
 10.39: Vocal duet—Al and Pete, "That's Why I'm Jealous of You" (Rose).
 10.42: Foxtrot—Tom Clines and His Music, "You Darlin'" (Woods).
 Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Dream Avenue" (Tobias) (4788).
 Foxtrots—Tom Clines and His Music:
 "You for Me" (Jason).
 "Be Careful With Those Eyes" (Woods).
 10.54: Waltzes—Castlewood Marimba Band, "My Reveries" (White).
 Regent Club Orchestra, "Because There's a Change in You."
 11.0: God save the King.

Thursday, October 2

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, OCTOBER 2.

- 3.0: Afternoon session—Selected studio items, including literary selection by the Announcer.
 3.15: Home science—"Value of Fish in the Diet." Talk prepared by Home Science Extension Service, Otago University.
 3.30: Further selected studio items.
 4.30: Close down.
 5.0: Children's session, conducted by "Peter Pan."
 6.0: Dinner session.
 Overture—Grand Symphony Orchestra, "Zampa" (Herold).
 Waltz—Dajos Bela Orchestra, "Morgenblatter" (Strauss).
 6.12: Tacet.
 6.15: Instrumental—Orchestra of the Opera Comique, Paris, "Scenes Pittoresques" (Massenet).
 Waltz—Edith Lorand Orchestra, "Vienna Waltz" (Drdla).
 6.27: Tacet.
 6.30: Waltz—Dajos Bela Orchestra, "Marien Klange" (Strauss).
 Instrumental—Dajos Bela Orchestra, "Ideale" (Tosti).
 Waltz—Edith Lorand Orchestra, "Merry Vienna" (Zishrer).
 6.42: Tacet.
 6.45: Waltz—Edith Lorand Orchestra, "Song of Autumn" (Waldteufel).
 Waltz—Queenie and David Kall, "Hawaiian March" (Ellis).
 Valse Intermezzo—Edith Lorand Orchestra, "The Flowers' Dream."
 Selection—H.M. Irish Guards, "The Desert Song" (Romberg).
 6.57: Tacet.
 7.0: News and market reports.
 7.40: Book review.

- 8.0: Chimes. Selection—1YA String Octet, under direction of Mr. J. Whitford Waugh, "Rio Rita" (Tierney).
 Note:—This programme will be interrupted to allow of a relay of portion of the Operatic Society's presentation of "Tutankhamen."
 8.11: Soprano—Miss Jenny Marsden, (a) "Spring's Awakening" (Sander-son); (b) "Now Sleeps the Crimson Petal" (Quilter).
 8.18: Vocal and instrumental duo—The Neisfu Duo, (a) "Hawaiian Hula Medley" (own. arrgt.); (b) "Mai Poina Oe I Au" from "Forget-Me-Not" (Traditional).
 8.26: Elocution—Miss R. Speed, "That Piccadillo" (Anon.).
 8.31: Orchestral—1YA String Octet, (a) "Traumerel" (Schumann); Violin—Mr. Frank Parsons, (a) "Schon Rosmarin" (Kreisler); 1YA String Octet, (c) "In Cairo," from "Oriental Dance" (Von Blon).
 8.41: Baritone—Mr. Peter Black, (a) "Time Was I Roved the Mountains" (Lohr); (b) "Maire, My Girl" (Aitken).
 8.48: Selection—1YA String Octet, "The Desert Song" (Romberg).
 8.58: Evening weather forecast and announcements.
 9.0: Vocal and instrumental duo—The Nelafo Duo, "My Mother's Eyes."
 9.6: Soprano—Miss Jenny Marsden, "A Birthday" (Cowen).
 9.10: Orchestral—1YA String Octet, "Serenade" (Widor).
 9.14: Elocution—Miss R. Speed, "The Song of the Market Place" (MSS.).
 9.20: Baritone—Mr. Peter Black, "Harvester's Song" (Baynton-Power).
 9.24: Orchestral—1YA String Octet, (a) "The Damask Rose" (Prowse); (b) "Scherzo" (Mendelssohn).
 9.30: Programme of Dance Music.
 Foxtrot—The Rhythmic Eight, "I'm Doing What I'm Doing for Love."
 Foxtrot—The High Hatters, "Hoosier Hop" (Dreyer-Macdonald).
 Foxtrot—Jack Hylton and His Orchestra, "Button Up Your Overcoat."
 Foxtrot—Nat Shilkret and His Orchestra, "Chant of the Jungle."
 Foxtrot—Jack Hylton and His Orchestra, "My Lucky Star."
 9.45: Vocal duet—The Duncan Sisters, "I'm Following You."
 Foxtrot—The High Hatters, "Look for the Silver Lining."
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "You're Just Another Memory" (Coots-Davis-Klages).
 Foxtrot—The High Hatters, "Wild Rose" (Grey-Kern).
 Foxtrot—Waring's Pennsylvanians, "Navy Blues" (Turk-Ahlert).
 Foxtrot—Leo Riesman and His Orchestra, "Happy Days are Here Again" (Yellen-Ager).
 10.3: Waltz—George Olsen and His Music, "Romance" (Leslie-Donaldson).
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "I Love You, Believe Me. I Love You" (Cowan-Bartholomea-Boutelje).
 Foxtrot—Nat Shilkret and His Orchestra, "Bigger and Better Than Ever" (Friend).
 Vocal—Daniel Haynes and Dixie Jubilee Singers, "Waiting at the End of the Road" (Berlin).
 10.15: Foxtrot—George Olsen and His Music, "After a Million Dreams."
 Foxtrot—New Mayfair Orchestra, "There's Room in My Heart."
 Foxtrot—Nat Shilkret and His Orchestra, "That Wonderful Something" (Goodwin-Alter).
 Foxtrot—New Mayfair Dance Orchestra, "I'll Be Getting Along."
 Foxtrot—The Rhythmic Eight, "I'm Feathering a Nest."
 10.30: Waltz—Rudy Vallee and His Connecticut Yankees, "If You Were the Only Girl in the World" (Grey-Ayer).
 Foxtrot—The High Hatters, "I'm Following You" (Dreyer-Macdonald).
 Foxtrot—Jack Hylton and His Orchestra, "The Banjo" (Porter).
 Vocal duet—The Duncan Sisters, "Hoosier Hop" (Dreyer-Macdonald).
 10.42: Foxtrot—Jackie Taylor's Orchestra, "A Night of Happiness."
 Foxtrot—Jack Hylton and His Orchestra, "Turn on the Heat."
 Foxtrot—Jackie Taylor's Orchestra, "Sitting by the Window."
 Foxtrot—Jack Hylton and His Orchestra, "If I Had a Talking Picture of You" (de Sylva-Brown-Henderson).
 Foxtrot—George Olsen and His Music, "South Sea Rose."
 Foxtrot—Leo Reisman and His Orchestra, "Lucky Me, Loveable You."
 11.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, OCTOBER 2.

- 3.0: Chimes. Afternoon session—Selected studio items.
 3.15: Lecture—"Value of Fish in the Diet." Home Science Extension Department of Otago University.
 3.25: Selected studio items.
 3.30 and 4.30: Sporting results to hand.
 5.0: Children's session, conducted by Uncle George.
 6.0: Dinner music session.
 Orchestral—Paul Goodwin's Orchestra, "Musical Panorama Medley." Parts 1 and 2 (Linck).
 Orchestral—Paul Goodwin's Orchestra, "Birthday Serenade" (Linck).
 6.13: Tacet.
 Orchestral—Paul Goodwin's Orchestra, "The Spider Intermezzo" (Klose); "Tonerna" (Sjoberg); "Wedding Serenade" (Klose); "Butterfly Intermezzo" (Schkenk).
 Violin with orchestra—Paul Goodwin's Orchestra, "Serenade" (Tosti).
 6.29: Tacet.
 6.30: Orchestral—Paul Goodwin's Orchestra, "Geisha Medley" (Jones).
 Instrumental—Vienna Schrammel Quartet, "Firefly's Appointment."
 6.43: Tacet.
 6.45: Orchestral—Paul Goodwin's Orchestra, "Medley Memorial of Strauss Waltzes" (E. Straub-Atzler).
 Instrumental—Vienna Schrammel Quartet, "Serenade" (Heykens).
 6.57: Tacet.
 7.0: News session, market reports and sports results.
 7.40: Talk—Mr. A. E. Wilson, "Tourists and Holiday Resorts."
 8.0: Chimes. Studio Concert by the Wellington City Salvation Army Band and 2YA Artists.

- March—The Band (Conductor, Mr. H. Scotney), "Winnipeg Citadel."
 8.6 : Quartet—The Aeolian, "In Silent Mead" (Emerson).
 8.10 : Tenor—Mr. Arthur Coe, "Lorraine" (Sanderson).
 8.14 : Selection—The Band, "Gems from Mendelssohn" (arr. Hawkes).
 8.21 : Soprano—Miss Gwladys Edwardes, a group of Liza Lehman's songs,
 (a) "Unfolding"; (b) "June Rapture"; (c) "Lovers in the Lane."
 8.29 : Vibraphone solos—Miss Joyce Morgan, (a) "The Bells of Aberdovey"
 (Traditional); (b) "Early one Morning" (Traditional).
 8.36 : Humour—Miss Betty Stewart, "Rosie's Relations" (Rowland).
 8.41 : Meditation—The Band (the Cornet Band), "St. Agnes" (Scotney).
 8.47 : Baritone—Mr. T. Watson, "The Trumpeter" (Dix).
 8.51 : Quartet—The Aeolian, "Love's Old Sweet Song" (arr. Parks).
 8.55 : Selection—The Band, "Tyrol Melodies" (arr. Scotney).
 9.0 : Weather report and announcements.
 9.2 : Duet—Messrs. B. H. Mayall and T. Watson, "Stars of the Summer
 Night" (Newton).
 9.6 : Novelty—Shilkret's Rhythm Melodists, "When You're with Somebody
 Else" (Gilbert-Etting-Baer).
 9.10 : Selection—The Band, "Gems from Haydn's 'Creation'" (arr. Hawkes).
 9.18 : Soprano—Miss Gwladys Edwardes, a further group of Liza Lehmann's
 songs, (a) "The Wood Pigeon"; (b) "The Yellowhammer."
 9.25 : Vibraphone solos—Miss Joyce Morgan, (a) "Little Grey Home in the
 West" (Lohr); (b) "The Rosary" (Nevin).
 9.32 : Bass—Mr. D. Hall, "My Ain Wee Hoose" (Munro).
 9.36 : Meditation—The Band, "A Soul's Awakening" (Ball).
 9.43 : Recital—Miss Betty Stewart, "Little Miss Crinoline" (Herbert).
 9.48 : Chorus—Light Opera Company, "Wake Up and Dream" (Porter).
 9.51 : Air varie—The Band, "The Old Wells" (Ball).
 9.59 : Quartet—The Aeolian, "The Old Brigade" (Barri).
 10.3 : March—The Band, "The Quest" (Scotney).
 10.8 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, OCTOBER 2.

- 3.0 : Afternoon session—Gramophone recital.
 3.15 : Talk—"Value of Fish in the Diet." Prepared by the Home Science
 Extension Service, Otago University.
 4.25 : Sports results.
 4.30 : Close down.
 5.0 : Children's hour—"Ladybird and Uncle Frank."
 6.0 : Dinner session.
 Overture—National Symphony Orchestra, "Orpheus in Hades."
 Instrumental—San Francisco Symphony Orchestra, "Caprice Viennois."
 6.12 : Tacet.
 6.15 : Instrumental—New Light Symphony Orchestra; (a) "Spring Song"
 (Mendelssohn); (b) "Narcissus" (Nevin).
 Instrumental—San Francisco Symphony Orchestra, "Coppelia Ballet."
 Violin—Fritz Kreisler, "Tango Albeniz" (arrgd. Kreisler).
 6.28 : Tacet.
 6.30 : Instrumental—Philadelphia Symphony Orchestra, "Invitation to the
 Waltz" (Weber).
 Instrumental—San Francisco Symphony Orchestra, (a) "Serenade"
 (Moszkowski); (b) "Oriental" (Auber).
 6.42 : Tacet.
 6.45 : Orchestral—San Francisco Symphony Orchestra, "Valse de Concert."
 Instrumental—San Francisco Symphony Orchestra, "Liebeslied."
 6.57 : Tacet.
 7.0 : News session.
 7.30 : Talk—Review of the September Issue of the "Journal of Agriculture."
 8.0 : Chimes. Lecture-recital—"Love and Music," by Mr. Arthur Lilly,
 A.R.C.O.
 Instrumental—Christchurch Broadcasting Trio, "Salut d'Amour" (A
 Greeting of Love) (Sir Edward Elgar). Introductory remarks
 by Mr. Lilly—"Love in Infancy."
 Piano—Mr. Alfred Bunz, "A Child Falling Asleep" (Schumann).
 Treble—Master Ralph Lilly, "Lullaby—Husheen" (Needham).
 Part song—Messrs. Watkins, Kinvig, Woodward, Masters Hancock
 and Lilly, "A Cradle Song" (Carol) (Barnby).
 Part song—Choir of Holy Trinity Church, Avonside, "Sweet and Low."
 Cello—Mr. Harold Beck, "Traumerei" (Dreaming) (Schumann).
 Short talk—"Girl and Boyhood."
 Tenor—Mr. A. Kinvig, "To My First Love" (Lohr).
 Chorus—Avonside Choir Boys, Holy Trinity Church, "Sally in Our
 Alley" (Carey).
 Short talk—"Youth."
 Tenor—Mr. Greg. Russell, "Passing By" (Purcell).
 Dance—New Symphony Orchestra, "Morris Dance" (German).
 Short talk—"Youth, Men and Maidens."
 Soprano—Miss Sylvia Marshall, "Love Was Meant to Make Us Glad."
 Song in choral form—Ladies of Avonside Choir, "Love was Once a
 Little Boy" (Bishop).
 Short talk—"Romance."
 Cello—Mr. Harold Beck, "Melody in F" (Rubinstein—arrgd. Beck).
 Bass—Mr. A. McCulloch, "Annie Laurie" (Lady Scott).
 Love Song—Barrington Hooper, "At Dawning" (Cadman).
 Soprano—Miss Sylvia Marshall, "Thy Beaming Eyes" (Macdowell).
 Orchestral—Orchestra, "Overture Der Freischutz" (Weber).
 Part song—Holy Trinity Choir, Avonside, "Oh! Who Will O'er the
 Downs So Free" (Pearsall).
 9.0 : Weather report and station notices.
 Short talk—"Love's Bliss."

- Orchestral—Royal Philharmonic Orchestra, "Introduction to Act III"
 from "Lohengrin" (Wagner).
 Vocal duet—Florence Austral and Tudor Davies, "Love Duet," from
 "Lohengrin" (Wagner).
 Tenor—Mr. Greg. Russell, "Dost Thou Breath the Incense Sweet of
 Flowers," from "Lohengrin" (Wagner).
 Short talk—"Love in Sadness."
 Orchestral—New Queen's Hall Light Orchestra, "Solveig's Song."
 Treble—Master Ralph Lilly, "Scenes that are Brightest" (Wallace).
 Piano—Mr. Alfred Bunz, "Liebestraume No. 3" (Liszt).
 Mezzo-soprano—Miss Pessy Hollander, "In Old Madrid" (Trottere).
 Short talk—"Rapture in Love."
 Cavatina—Mr. Greg. Russell, "Come Into the Garden, Maude."
 Flute—Mr. A. E. Hutton, "Serenata" (Braga).
 Orchestral—Philadelphia Symphony Orchestra, "Rhapsody No. 2 in G
 Sharp Minor" (Liszt).
 Mezzo-soprano—Miss Pessy Hollander, "Indian Love Call" (with flute
 obligato by A. E. Hutton) (Friml).
 Short talk—"Love of Home and Country."
 New Zealand School Song—Pupils of Richmond School under Mr.
 Penlington, Headmaster (fifty voices), "Land of Our Love."
 Piano—Mr. Arthur Lilly, "Repos d'Amour" (Hensett).
 Soprano—Miss Cicely Christian, "When the Heart is Young" (Buck).
 Chorus—Holy Trinity Avonside Choir, "Home, Sweet Home."
 Orchestral—Columbia Symphony Orchestra, "Wedding March."
 Soprano—Miss Sylvia Marshall, "A Song of Thanksgiving" (Allitsen).
 "Divine Love for Man."
 Finale chorus—Holy Trinity Avonside Choir, "God So Loved the
 World" (Sir John Stainer).
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, OCTOBER 2. SILENT DAY.

Friday, October 3

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, OCTOBER 3.

- 3.0 : Afternoon session—Selected studio items, including Literary selection
 by the Announcer.
 4.30 : Close down.
 5.0 : Children's session, conducted by Nod and Aunt Jean.
 6.0 : Dinner session.
 Orchestral—Mengelberg's Concertgebouw Orchestra, "Oberon Overture
 Parts 1, 2 and 3" (Weber).
 Octet—Squire's Chamber Orchestra, "L'Arlesienne Suite" Intermezzo.
 6.13 : Tacet.
 6.15 : Orchestral—Menorah Symphony Orchestra, "Shulamith Selection."
 Band—B.B.C. Wireless Military Band, "Indian Queen."
 Octet—Squire's Chamber Orchestra, "L'Arlesienne Suite Minuet."
 6.29 : Tacet.
 6.30 : Orchestral—New Queen's Hall Orchestra, "Slavonic Dance in G
 Minor" (Dvorak).
 Band—B.B.C. Wireless Band, "Helston Furry Processional."
 Orchestral—Classical Symphony Orchestra, "Classical Memories."
 6.44 : Tacet.
 6.45 : Octet—Squire's Celeste Octet, "Ave Maria" (Bach).
 Poltronieri String Quartet, "Quartet in E Andante and Canzonetta."
 Orchestral—Squire's Celeste Octet, "On Wings of Song."
 6.58 : Tacet.
 7.0 : News and information session.
 7.40 : Talk—Mr. B. S. Jones, "How To Get The Best Out of Your Receiver."
 8.0 : Chimes.
 Overture—London Symphony Orchestra, "Coriolan" (Beethoven).
 8.9 : Soprano—Miss Joan R. Laird, (a) "Cherry Ripe" (Lehmann); (b)
 "A Birthday" (Woodman).
 8.16 : Instrumental Trio—The Studio Trio, "Norwegian Spring Dance."
 8.22 : Vocal duet—Messrs. Simpson and Taylor, "Under the Desert Star."
 Baritone—Mr. Eric Mannall, "Red Devon by the Sea."
 Vocal Quartet—The New Zealand Four, "By the Sea."
 8.34 : Flute solo—Mr. George Poore, "Du Du Leigst Mir Am Heryen."
 8.40 : Tenor—Mr. Roy Dormer, "The Shadowless Hour" (Cadman).
 8.44 : Instrumental Trio—The Studio Tri, (a) "Scherzo and Finale" from
 "Trio No. 1, Op. 49" (Mendelssohn); (b) "Serenade" (Schubert).
 8.56 : Chorus—Royal Opera Chorus, "Spinning Chorus" from "The Flying
 Dutchman" (Wagner).
 9.0 : Evening forecast and announcements.
 9.2 : Orchestral—Berlin State Opera Orchestra, "Polonaise No. 2."
 9.6 : Soprano—Miss Joan R. Laird, "Rose in the Bud" (Forster).
 9.10 : Flute solo—Mr. George Poore, "Wind Amongst the Trees."
 9.16 : Vocal duet—Messrs. Dormer and Mannall, "Farewell to Summer."
 Tenor—Mr. James Simpson, "Mountain Lovers" (Squire).
 Vocal quartet—The New Zealand Four, "The City Choir" (Parks).
 9.28 : Piano—Mr. Eric Waters, "Rustling Woods" (Liszt).
 9.35 : Bass—Mr. A. Gibbons Taylor, "Rhythms" (Ricards).
 9.39 : Instrumental trio—The Studio Trio, "Carissima" (Elgar).
 9.45 : Vocal Quartets—The New Zealand Four, (a) "Fishing" (Parkes); (b)
 "Going to Press" (Parks).
 9.52 : Orchestral—Berlin Philharmonic Orchestra, "Carnival Romain."
 10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, OCTOBER 3.

- 3.0 : Chimes. Afternoon session—Selected studio items.
 3.30 and 4.30 : Sporting results to hand.
 4.55 : Close down.
 5.0 : Children's session, conducted by "Big Brother Jack."
 6.0 : Dinner music session:
 Orchestral—New Symphony Orchestra, "Le Old Ballet Music": (a) Castillane, (b) Aubade, (c) Andalouse, (d) Aragonaise (Massenet)
 Violin—Heifetz, (a) "Jota" (De Falla), (b) "Puck" (Grieg, arr. Achron).
 Orchestral—Marek Weber and His Orchestra, "Mennett No. 1" (Paderewski).
 6.14 : Tacet.
 6.15 : Band of H.M. Coldstream Guards, "Iolanthe" (Sullivan).
 Orchestral—The London Orchestra, "Valse Memories, Parts 1 and 2."
 Organ—R. E. McPherson, "Ninette" (Maud).
 6.28 : Tacet.
 6.30 : Orchestral—New Symphony Orchestra, "Le Old Ballet Music," (a) "Madrilene," (b) "Navarraise" (Massenet).
 Violin—Heifetz, "On Wings of Song" (Mendelssohn).
 Band of H.M. Coldstream Guards, "Pirates of Penzance" (Sullivan).
 4.43 : Tacet.
 6.45 : Orchestral—Marek Weber's Orchestra, "I Pagliacci" (Leoncavallo).
 Organ—R. E. McPherson, "A Japanese Sunset" (Deppen).
 Orchestral—Marek Weber and Orchestra, "Cœur Brise" (Gillet).
 6.58 : Tacet.
 7.0 : News session, market reports and sports results.
 8.0 : Chimes. A special studio presentation of excerpts from the opera "Faust" by Signor Lucien Cesaroni's Operatic Company and the 2YA Orchestra.
 Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "Faust" (Gounod-Schleppergrell).
 8.9 : Act 1—"Faust" (Gounod).

Soloists:

Tenor—Faust—Mr. R. Trewern.
 Bass—Mephistopheles—Signor Lucien Cesaroni.

Tenor solo—"In Vain do I Call."
 Chorus—"Day with Roses Laden."
 Tenor recit.—"Pass on Your Way."
 Male chorus—"Come forth, ye Reapers."
 Tenor solo—"If I pray there is none to hear."
 Bass—"I reply."
 Duet—"Vision of Marguerite."
 Tenor recit.—"I'll meet her again."
 Duet—"Be Mine the Delight."

- 8.38 : Selection—2YA Orchestra, "Sapho Part 2" (Massenet).
 8.46 : Baritone—Mr. George Gray, "Loving Smile of Sister Kind."
 8.50 : Bass recit. and solo—Signor Lucien Cesaroni, "The Calf of Gold."
 8.54 : Waltz—2YA Orchestra, "Marguerite Valse" (Gounod).
 9.2 : Weather report and announcements.
 9.4 : Mezzo-soprano—Miss May Christie, "When All Was Young."
 9.8 : Bass—Signor Lucien Cesaroni, "The Malediction of the Flowers."
 9.11 : Soprano—Miss May Christie, "The Flower Song."
 9.15 : Band—Garde Republicaine, "Entr'acte" from "Carmen" (Bizet).
 9.23 : Bass and soprano—"The Church Scene" from Act 4 "Faust" (Gounod).

Soloists:

Bass—Mephistopheles—Signor Lucien Cesaroni.
 Soprano—Marguerite—Miss Jeanette Sterling.

- 9.31 : Violin—Yelli D'Aranyi, "Chaconne" (Charlter).
 9.39 : Bass—Signor Lucien Cesaroni, "Mephistopheles' Serenade."
 9.43 : Selection—2YA Orchestra, "O Star of Eve," from "Tannhauser."
 9.51 : Chorus—Columbia Light Opera Company, "Ivan Caryl Memories."
 9.55 : Selection—2YA Orchestra, "Mignon" (Thomas).
 10.3 : God save the King.

3YA, CHRISTCHURCH (930 KILOCYCLES)—FRIDAY, OCTOBER 3.

- 3.0 : Afternoon session—Gramophone recital.
 4.25 : Sports results.
 4.30 : Close down.
 5.0 : Children's hour, "Chuckie."
 6.0 : Dinner session:
 Instrumental—Royal Opera Orchestra, "Præludium" (Jarnefeldt).
 Cello—Pablo Casals, "Melody in F" (Rubinstein).
 Waltz—Royal Opera Orchestra, "Eugénie Onegin" (Tchaikowsky).
 Balalaika Orchestra, "Shining Moon" (Russian folk song).
 6.12 : Tacet.
 6.15 : Suite—Paul Whiteman's Orchestra, "Suite of Serenades" (Herbert):
 (1) Spanish, (2) Chinese, (3) Cuban, (4) Oriental.
 Waltz—Philadelphia Symphony Orchestra, "Tales from the Vienna Woods" (Strauss).
 6.27 : Tacet.
 6.30 : Instrumental—Royal Opera Orchestra, "Berceuse" (Jarnefeldt).
 Cello—Pablo Casals, "Traumerei" (Schumann).
 Male quartet—The Rounders, "Chlo-e" (Kahn).
 Instrumental—San Francisco Symphony Orchestra, (a) "Serenade" (Volkmann), (b) "Flight of the Bumble Bee" (Rimsky-Korsakov).

- 6.42 : Tacet.
 6.45 : Instrumental—Chicago Symphony Orchestra, (a) "Valse Triste" (Sibelius), (b) "Funeral March of a Marionette" (Gounod).
 March—San Francisco Symphony Orchestra, "Marche Militaire."
 6.57 : Tacet.
 7.0 : News session.
 7.30 : Fortnightly talk by Mr. D. Cossgrove on "Radio Service."
 8.0 : Chimes. Popular and dance programme.
 Overture—Jack Hylton and His Orchestra, "Melodious Memories."
 8.9 : Humour—Mr. H. Instone, "The Motor Boy" (Anon.).
 8.13 : Dance music—Bailey-Marston Dance Orchestra, (a) "Should I" (Brown), (b) "Chant of the Jungle" (Brown).
 8.19 : Mezzo-contralto—Mrs. Graham Jamieson, (a) "My Song of the Nile" (Meyer), (b) "Hawaiian Farewell" (Queen Liliuokalani).
 8.23 : Violin—Miss Irene Morris, "Aucassin and Nicolette" (Kreisler).
 8.27 : Male quartet—Gotham Comedy Quartet, "King Arthur" (traditional).
 8.31 : Dance music—Bailey-Marston Dance Orchestra, (a) "Drink to the Bonds of Friendship" (Colcord), (b) "Mighty Like You" (Ward).
 8.37 : Humorous song with patter—Mr. George Titchener, "Richard Cœur de Lion's Batman" (Leslie Henson).
 8.43 : Instrumental—Christchurch Broadcasting Trio, (a) "After Sunset" (Pryor), (b) "At the Brook" (Boisdeffre), (c) "Gavotte" (Gossec).
 8.53 : Descriptive ballad—Military Band and effects, "The Trumpeter."
 9.0 : Weather forecast and station notices.
 9.2 : Dance music—Bailey-Marston Dance Orchestra, (a) "You, Just You" (Yoell), (b) "Ragamuffin Romeo" (De Costa).
 9.8 : Popular song—Charles King, "Everybody Tap" (Ager).
 9.11 : Violin—Miss Irene Morris, "Chanson Meditation" (Cottenet).
 9.15 : Mezzo-contralto—Mrs. Graham Jamieson, "The Land of Gra-Ma-Chree."
 9.18 : Instrumental—Broadcasting Trio, (a) "Melodie" (Moszkowski), (b) "Intermezzo" (Bizet), (c) "Country Dance" (Gade).
 9.28 : Humour—Mr. H. Instone, "The Pawnbrokers' Ball" (own arrangem't).
 9.36 : Dance music—Bailey-Marston Dance Orchestra, (a) "Lover, Come Back to Me" (Romberg), (b) "Punch and Judy Show" (Black).
 9.42 : Male quartet—Gotham Comedy Quartet, "The Old Sow" (traditional).
 9.45 : Dance music—Bailey-Marston Dance Orchestra, (a) "I'm in the Market for You" (Hanley), (b) "Without You, Emaline" (De Rose).
 9.51 : Humour in song and story—Mr. George Titchener, (a) "Who is Sylvia?" (Nelson Jackson), (b) "The Light of the Line" (Tommy Hanley).
 9.58 : Dance music until 11 p.m. by the Bailey-Marston Dance Orchestra.
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, OCTOBER 3.

- 3.0 : Chimes. Selected gramophone items.
 4.25 : Sporting results.
 5.0 : Chimes. Children's hour, conducted by Aunt Sheila.
 6.0 : Dinner session.
 Suite—Ketelbey's Concert Orchestra, "In a Fairy Realm" (Ketelbey).
 (1) The Moonlit Glade, (2) The Queen Fairy Dances, (3) Gnomes March.
 6.12 : Tacet.
 6.15 : Orchestral—Columbia Symphony Orchestra, "March of the Bojaren."
 Cello solo—Gaspar Cassado, "Melodies Arabe" (Glazounov).
 Orchestral—New Queen's Hall Light Orchestra, "Wood Nymphs."
 6.26 : Tacet.
 6.30 : Orchestral—New Queen's Hall Light Orchestra, "Summer Days Suite" (Coates): (1) In a Country Lane, (2) On the Edge of the Lake, (3) At the Dance.
 6.42 : Tacet.
 6.45 : Orchestral—J. H. Squire's Celeste Octet, "Memories of Mendelssohn."
 Orchestral—Columbia Symphony Orchestra, "Bridal Procession."
 6.57 : Tacet.
 7.0 : News session.
 8.0 : Chimes. Studio programme by Anderson's Bay Glee Club and Anderson's Bay Orchestra. Conductor, Mr. Jas Clark.
 March—The Orchestra, "Pythian" (Morrison).
 Plantation airs—The Orchestra, "Echoes of the South" (Khlor).
 8.15 : Glee—Glee Club, "From Oberon in Fairyland" (Stevens).
 8.19 : Recital—Miss M. Jolly, "A Woman at the Wheel" (Juriss).
 8.23 : Violin—Jascha Heifetz, "Zapateado" (Sarasate).
 8.27 : Soprano—Miss Ray Stubbs, "Dawn, Gentle Flower" (Bennett).
 8.30 : Selection—The Orchestra, "Pique Dame" (Suppe).
 8.38 : Part song—Glee Club, "The Meeting of the Waters" (arrgd. Dunhill).
 "You Stole My Love" (Macfarren).
 8.45 : Selection—The Orchestra, "Persian Market" (Ketelbey).
 8.53 : Glee—Glee Club, "The Bells of St. Michael's Tower" (Stewart);
 "A Song for Spring" (Silus).
 9.0 : Weather report.
 9.2 : Band—H.M. Grenadier Guards, "Nell Gwynn Dances" (German).
 9.8 : Evening Hymns—Glee Club, "O Gladsome Light" (Sullivan).
 9.13 : March—The Orchestra, "Rakoczy" (Berlioz).
 9.20 : Tenor—Mr. H. Johnston, "How Vain is Man" (Handel).
 9.23 : Violin—Jascha Heifetz, "Hebrew Melody" (Achron).
 9.27 : Part song—Glee Club, "Ca' the Yowes to the Knowes" (arr. Bantock).
 Solo and chorus—Miss Ray Stubbs and Glee Club, "With a Laugh As We Go Round" (Bennett).
 9.37 : Selection—The Orchestra, "Morning, Noon and Night in Vienna."
 9.46 : Choral—Glee Club, "Music" (Williams).
 9.52 : Selection—The Orchestra, "Merry Widow" (Lehar).
 9.58 : Part song—Glee Club, "Sleep, Gentle Lady" (Bishop).
 10.2 : God save the King.

Saturday, October 4

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, OCTOBER 4.

- 3.0 : Afternoon session—Selected studio items, including Literary selection by the Announcer.
- 4.30 : Close down.
- 5.0 : Children's session, conducted by Cinderella.
- 6.0 : Dinner session.
- Orchestral—Boston Symphony Orchestra, "Frühlingstimmen."
- Organ—Jesse Crawford, "Serenade" (Rombert).
- Band—National Military Band, "Ben Hur" (Byng).
- 6.13 : Tacet.
- 6.15 : Orchestral—Vienna Philharmonic, "Dorfschwalben" (Strauss).
- Violin—David Wise, "Canzonetta" (D'Ambrosio).
- Orchestral—Jack Hylton and His Orchestra, "Steppin' Out."
- 6.28 : Tacet.
- 6.30 : Orchestral—New Mayfair Orchestra, "Wake Up and Dream."
- Organ—Jesse Crawford, "Indian Love Call" (Prinl) (EA638).
- Orchestral—International Novelty Orchestra, "To Die Dreaming."
- Orchestral—International Novelty Orchestra, "Four Little Farms."
- 6.43 : Tacet.
- 6.45 : Orchestral—Jack Hylton and His Orchestra, "Old Time Songs."
- Violin—David Wise, "Cavalleria Rusticana" (Mascagni).
- Orchestral—Jack Hylton and His Orchestra, "Lonesome Little Doll."
- 6.58 : Tacet.
- 7.0 : News and market reports.
- 8.0 : Chimes.
- Relay—Municipal Band Concert from Auckland Town Hall, under the conductorship of Mr. Hal McLennan.
- 10.0 : Dance programme.
- Foxtrot—Tom Gerunovich and His Roof Orchestra, "Am I Blue?"
- Foxtrot—Carl Fenton and His Orchestra, "Laughing Marionette."
- Foxtrot—Roger Wolfe Kahn and His Orchestra, "'Twas Not So Long Ago" (Hammerstein 2nd Kern).
- Foxtrot—Ray Miller and His Orchestra, "That's Where You Come In."
- 10.12 : Foxtrot—Roy Ingraham and His Orchestra, "Like a Breath of Springtime" (Dubin-Burke).
- Foxtrot—Carl Fenton and His Orchestra, "Sweetness."
- Foxtrot—Roger Wolfe Kahn and His Orchestra, "Don't Ever Leave Me."
- Foxtrot—Roy Ingraham and His Orchestra, "Deep in the Arms of Love" (Davis-Ingraham).
- Vocal—Charles King, "Happy Days Are Here Again" (Agar-Yellen).
- 10.27 : Foxtrot—Roger Miller and His Orchestra, "Why Was I Born."
- Foxtrot—Ray Miller and His Orchestra, "In a Kitchenette."
- Foxtrot—Roger Wolfe and His Orchestra, "Here Am I!"
- Foxtrot—Ray Miller and His Orchestra, "Ain't You Baby?"
- Foxtrot—Jesse Stafford and His Orchestra, "A Bundle of Old Love Letters" (Freed-Brown).
- 10.45 : Vocal—June Pursell, "Never Say Die" (Robin-Chase).
- Foxtrot—Jesse Stafford and His Orchestra, "Only Love is Real."
- Foxtrot—Stafford and His Orchestra, "Should I?" (Freed-Brown).
- Vocal—June Pursell, "The Album of My Dreams" (Davis-Arlen).
- Foxtrot—Henry Lange and His Baker Hotel Orchestra, "Somebody Loves Me" (MacDonald-de Sylva-Gershwin).
- Foxtrot—Tom Gerunovich and His Orchestra, "Let Me Have My Dreams" (Clarke-Akst).
- 11.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, OCTOBER 4.

- 3.0 : Chimes. Afternoon Session—Selected studio items.
- 3.30 and 4.30 : Sporting results to hand.
- 4.55 : Close down.
- 5.0 : Children's session, conducted by Uncle Toby.
- 6.0 : Dinner music session.
- Overture—National Symphony Orchestra, "Light Cavalry" (Suppe).
- Waltz—Chicago Symphony Orchestra, "Roses of the South" (Strauss).
- 'Cello—Pablo Casals, "Moment Musical" (Schubert).
- 6.13 : Tacet.
- 6.15 : Hawaiian—Hilo Hawaiian Orchestra, (a) "Kawaihau Waltz" (Kela-kai). (b) "My Hula Love."
- Waltz medley—The Troubadours, "Popular Songs of Yesterday."
- 'Cello—Pablo Casals, "Le Cygne" (Saint Saens).
- 6.27 : Tacet.
- 6.30 : Waltzes—International Concert Orchestra, (a) "The Merry Widow" (Lehar); (b) "Luxembourg Waltz" (Lehar).
- Violin and Guitar—Giulietta Morino, (a) "Harlequin's Serenade" (Drigo); (b) "Could I?" (Poggis).
- 6.44 : Tacet.
- 6.45 : Instrumental—New Light Symphony Orchestra, (a) "Dancing Doll" (Poldini); (b) "At Dawning" (Cadman).
- Instrumental—Royal Opera Orchestra, "The Sleeping Beauty."
- Wurlitzer organ—Jesse Crawford, "Carolina Moon" (Davis).
- 6.58 : Tacet.
- 7.0 : News session, market reports and sports results.
- 7.40 : Lecturette—Mr. C. Q. Pope, a W.E.A. Lecturette, "New Zealand Poetry."
- 8.0 : Chimes. From the Town Hall: A relay of a Welsh reception to Their Excellencies Lord and Lady Bledisloe.

Entry of Vice-Regal Party.

- Piano solo—Miss Betty Evans "Grand Welsh Fantasia" (Jules d' Sivray).
- Speech—His Worship the Mayor (Mr. G. A. Troup).
- Soprano solo—Mrs. Wilman, "Gwlad-y-delyn" ("Land of the Harp") (Traditional).
- Baritone solo—Mr. E. H. Jones, "Y Marchog" (Dr. Joseph Parry).
- Speech—Mr. G. N. Evans (Immediate Past President). Address of Loyalty to the British Throne.
- Violin solo—Miss Valmai Evans, "Bach Meditation" (Gounod).
- Dance—Miss Valeska Jenkins.
- Rectals—Mr. Barton Ginger, (a) "A Song of the Welsh" (Prys Jones), (b) "Dick Fisherman" (Prys Jones).
- Speech—Mr. J. Morgan Davies (President, Wellington Welsh Society) —Address of Welcome to Their Excellencies.
- Tenor solo—Mr. T. J. Jenkins, "Y bachgen dewr" (Hughes).
- Reply—His Excellency Lord Bledisloe.
- Choral—Wellington Welsh Choir (Conductor Mr. T. J. Jenkins) "May day" (Muller), "Ar hyd y nos" ("All thro' the Night" (Trdtl.).
- 9.30 (approx.): From the Studio:
- Selection—2YA Salon Orchestra (Conductor Mr. M. T. Dixon) "The Maid of the Mountains" (Fraser-Simson).
- 9.38 : Concerted Orchestra and Chorus, "A Miniature Concert."
- 9.46 : Selection—2YA Salon Orchestra, "In a Bird Store" (Lake).
- 9.52 : Male Quartet—The Revellers, "Little Cotton Dolly" (Geibel).
- 9.56 : Instrumental—2YA Salon Orchestra, "The Latest Dance Novelties."
- 10.3 : Dance programme.
- Foxtrot—Victor Arden-Phil Ohman and Their Orchestra, "How Am I To Know?" (Parker King).
- Foxtrot—New Mayfair Dance Orchestra, "Mickey House" (Carlton).
- Foxtrot—Waring's Pennsylvanians, "Alma Mammy."
- Foxtrot—Jack Reisman's Orchestra, "House on the Hilltop."
- Foxtrot—Jack Reisman's Orchestra, "At Close of Day."
- 10.15 : Vocal—Mildred Hunt, "Sleepy Valley" (Sterling-Hanley).
- Foxtrot—Bernie Cummins and His Hotel Orchestra, "When a Woman Loves a Man" (Rose-Rainger).
- Foxtrot—Nat Shilkret's Orchestra, "Georgia Pines" (Trent-de-Rose).
- Waltz—Irving Aaronson and His Commanders, "The Land of Going To Be" (Goetz-Kollo).
- 10.27 : Foxtrot—Arcadians Dance Orchestra, "If I Had My Way."
- Foxtrot—Ted Weems Orchestra, "Miss Wonderful" (Bryan-Ward).
- Foxtrot—The Rhythmic Eight, "Welcome Home" (Clarke-Akst).
- Vocal—Mildred Hunt, "S'Posin'" (Razaf-Denniker).
- 10.39 : Foxtrot—Leo Reisman's Orchestra, "Charming" (Grey-Stothart).
- Foxtrot—Henry Busse's Orchestra, "I Came To You."
- Waltz—Leo Reisman's Orchestra, "Shepherd's Serenade."
- 10.48 : New Mayfair Dance Orchestra, "The Doll's House" (Butler).
- Foxtrot—Leo Reisman's Orchestra, "A Year From To-day."
- Foxtrot—Jack Hylton's Orchestra, "Dreamy Honolulu."
- Foxtrot—Bernie Cummins and His Hotel Orchestra, "Cooking Breakfast For The One I Love" (Rose-Tobias).
- 11.0 : Sporting summary.
- 11.10 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, OCTOBER 4.

- 2.0 : Progress reports of the New Zealand Cycle Championship Road Race, Waimate to Christchurch (143 miles) finishing at Addington Show Grounds.
- Musical recordings from Studio interspersed with progress reports.
- 5.0 : Children's session.
- 6.0 : Dinner Session.
- Orchestral—Grand Symphony Orchestra, "Suite Orientale" (a) "March"; (b) "On the Shore of the Ganges" (Francis Popy).
- Orchestral—Edith Lorand Orchestra, "Toreador and Andalous."
- Orchestral—Grand Symphony Orchestra, "Naila" (Delibes).
- 6.14 : Tacet.
- 6.15 : Orchestral—Dajos Bela Orchestra, "Woodland Peace" (Favilla).
- Orchestral—Berlin State Opera House Orchestra, "The Barber of Seville Overture" (Rossini).
- Edith Lorand Orchestra, "Minuet" (Boccherini).
- 6.29 : Tacet.
- 6.30 : Orchestral—Grand Symphony Orchestra, "Suite Orientale" Pt. 4 "The Patrol" (Francis Popy).
- Orchestral—Grand Symphony Orchestra, "Lustpiel Overture."
- Orchestral—Dajos Bela Orchestra, "The Court Ball" (Josef Lanner).
- Orchestral—Grand Symphony Orchestra, "Japanese Lantern Dance."
- 6.44 : Tacet.
- 6.45 : Orchestral—Grand Symphony Orchestra, "Suite Orientale" Pt. 3 "The Dancers" (Francis Popy).
- Orchestral—Dajos Bela Orchestra, "Viennese Waltz Potpourri."
- Orchestral—Grand Symphony Orchestra, "Chinese Street Senerade."
- 6.59 : Tacet.
- 7.0 : News session.
- 7.30 : Sports results.
- 8.0 : Chimes. Vaudeville programme.
- Selection—Debroy Somers' Band, "Muster Cinders" (Myers).
- 8.9 : Bass—Mr. R. S. H. Buchanan, "At Santa Barbara."
- 8.13 : Banjolin—Mr. Stan. Birch, "Popular Melody Switches."
- 8.18 : Humour—Mrs. Margaret Williams, "Trials of Topsy Reducing."
- 8.25 : Instrumental—Studio Instrumental Octet (Conductor Mr. Harold Beck) "Overture 'Stradella'" (Flotow).

- 8.32: Contralto—Miss Myra Sutton, (a) "If There Were Dreams to Sell" (John Ireland); (b) "My Irish Daddy Knows" (Haydn Wood).
 8.36: Organ—Lew White, "Just You Just Me" (Greer).
 8.40: Humour in song and story—Mr. Jock Lockhart, "Introducing": "That's How I Like 'em" (Weston Lee).
 8.45: Instrumental—Studio Octet, "My Lady Fraile" (Finck).
 8.52: Novelty—The Mississippi Minstrels, "An Old Time Minstrel Show."
 9.0: Weather report and station notices.
 9.2: Orchestral—Al Goodman's Orchestra, "Gems From Hold Everything."
 9.6: Bass—Mr. R. S. H. Buchanan, (a) "A Smuggler's Song" (Mortimer), (b) "Hinton, Dinton and Mere" (Holliday).
 9.11: Banjo—Mr. Stan Birch, "Medley of Popular Airs" (arrgd. Birch).
 9.16: Humour—Mrs. Margaret Williams, "The Vest" (Roberts).
 9.19: Instrumental—Studio Octet, "The Leek" (arrgd. Myddleton).
 9.26: Contralto—Miss Myra Sutton, (a) "Dreaming of Home" (Besly); (b) "If My Songs Were Only Winged" (Hahn).
 9.30: Male Quartet—Kanawha Singers, "A High Silk Hat and a Walking Care" (Marston).
 9.34: Instrumental—Studio Octet, (a) "Slave Dance" (Pratt); (b) "Tin Soldiers" (Kockert).
 9.42: Organ—Lew White, "Evangeline" (Jolson).
 9.45: Humour in song and story—Mr. Jock Lockhart, Introducing: "Flowers of the Heather" (Lander).
 9.51: Instrumental—Studio Octet, Valse, "Vienna Life" (Strauss). Dance programme.
 10.0: Foxtrot—Hal Swain's Cafe Royal Band, "Dance of the Paper Dolls." Foxtrot—Ted Wallace and His Campus Boys, "Jericho" (Meyers). Foxtrot—Hal Swain's Cafe Royal Band, "Petticoat Lane." Waltz—The Columbians, "Christina" (Gottler, Mitchell and Conrad).
 10.12: Foxtrot—Will Prior and His Stage Band, "Old-Fashioned Rose." Foxtrot—Stellar Dance Band, "Sweetheart of All My Dreams." Vocal duet—Ford and Glenn, "Tin Pan Parade."
 10.21: Foxtrot—Jan Raifini and His Band, "Deep Night." Foxtrot—Stellar Dance Band, "Honey." Jan Raifini and His Band, "Fashionette" (Glogau and King). Foxtrot—The Harmonians, "Little Pal."
 10.33: Waltz—Rudy Vallee and His Connecticut Yankees, "Bye and Bye Sweetheart" (Valentine, Ford and Yellen). Waltz—Bar Harbor Society Orchestra, "Celia" (Whiting and Robin). Foxtrot—Rudy Vallee and His Connecticut Yankees, "Caressing You." Foxtrot—Will Prior and His Stage Band, "I Faw Down An' Go Boom."
 10.45: Vocal duet—Billy Jones and Ernest Hare, "Spring Is Here." Foxtrot—Paul Specht and His Orchestra, "The Things That Were Made For Love" (Tobias and de Rose). Foxtrot—Ted Wallace and His Campus Boys, "I've Got a Feeling I'm Falling" (Link, Waller and Rose). Foxtrot—Ipana Troubadours, "Old Fashioned Lady." Waltz—The Columbians, "Pagan Love Song" (Brown and Freed).
 11.0: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, OCTOBER 4.

- 3.0: Chimes. Selected gramophone items.
 4.25: Sporting results.
 5.0: Children's hour, conducted by Uncle Sambo.
 6.0: Dinner music.
 Waltz—Symphony Orchestra, "Artists' Life" (Strauss).
 Instrumental—Columbia Symphony Orchestra, "Al Fresco" (Herbert).
 Foxtrot—La Nouva Orchestra, "Di Napoli" (Romani).
 Band—H.M. Grenadier Guards, "La Paloma" (Yradier).
 6.13: Tacet.
 6.15: Instrumental—Ketelbey's Orchestra, "In a Monastery Garden." Waltz—Jacque Jacobs' Ensemble, "Over the Waves" (Rosas).
 6.27: Tacet.
 6.30: Instrumental—Columbia Symphony Orchestra, "Bandinage." Waltz—Royal Serbian Tambouritzza Orchestra, "Kosovo." Waltz—Symphony Orchestra, "Tales from the Vienna Woods." March—H.M. Grenadier Guards Band, "Twist and Twirl" (Kottann).
 6.43: Tacet.
 6.45: Waltz—Royal Philharmonic Orchestra, "Blue Danube" (Strauss). Waltz—Jacque Jacobs' Ensemble, "España" (Waldteufel).
 6.57: Tacet.
 7.0: News session.
 8.0: Relay of vaudeville programme from 3YA, Christchurch.
 10.0: Dance session.
 Foxtrot—Nat Shilkret and His Orchestra, "Nobody But You." Foxtrot—Jack Hylton and His Orchestra, "Orange Blossom Time." Foxtrot—Nat Shilkret and His Orchestra, "Your Mother and Mine." Waltz—Leo Reisman and His Orchestra, "Dance Away the Night."
 10.12: Foxtrot—The Rounders, Jack Hylton and His Orchestra, "Singin' in the Rain" (Freed-Brown). Foxtrot—The High Hatters, "Low Down Rhythm" (Klages-Greer). Foxtrot—Waring's Pennsylvanians, "Navy Blues" (Turk-Ahlert). Humour—Norman Long, "Is it British?" (K. and G. Weston).
 10.24: Foxtrot—Henry Busse and His Orchestra, "Since I Found You." Foxtrot—George Olsen and His Music, "South Sea Rose." Foxtrot—Charles Dornberger and Orchestra, "Maybe, Who Knows?" Foxtrot—Leo Reisman and His Orchestra, "Doing the Boom Boom."
 10.36: Waltz—Henry Busse and His Orchestra, "Like a Breath of Spring Time" (Dubin-Burke). Vocal—Norman Long, "I Think of You" (K. and G. Weston).

- 10.42: Foxtrot—Victor Arden, Phil Ohman and Their Orchestra, "Love, Your Spell is Everywhere" (Janis-Goulding). Foxtrot—Nat Shilkret and His Orchestra, "You Made Me Love You, Why Did You?" (Lombardo and Appel). Foxtrot—Nat Shilkret and His Orchestra, "Look What You've Done to Me" (Conrad-Mitchell-Gottler).
 10.51: Waltz—Ben Pollack and His Park Central Orchestra, "You're Always in My Arms" (McCarthy-Tierney). Foxtrot—Ben Pollack and His Park Central Orchestra, "Sweetheart, We Need Each Other" (McCarthy-Tierney). Foxtrot—Charles Dornberger and Orchestra, "I Want to Meander in the Meadow" (Wood and Tobias).
 11.0: God save the King.

Sunday, October 5

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, OCTOBER 5.

- 3.0: Afternoon session—Selected studio items, including literary selection by the Announcer.
 6.0: Children's Song Service, conducted by "Uncle Bert."
 6.55: Relay of Divine Service from St. Mary's Cathedral. Preacher, Canon William Fancourt. Organist and Choirmaster, Mr. Edgar Randall.
 8.30: (approx.) Selection—J. H. Squire's Celeste Octet, "Mignon," (a) "Introduction et Romance," (b) "Polonaise" (Tomas—arr. Robertson). Soprano—Miss Mary Coffield, (a) "Chinese Flower" (Bowers); (b) "Till I Wake" (Woodforde-Finden). Instrumental trio—Studio Trio, "Sherzo," from "Trio No. 2, Op. 66." Baritone—Mr. Claude H. Suisted, "Drinking Song" (Sullivan). Instrumental trio—Studio Trio, "Trio in G Major" (Mozart). Soprano—Miss Mary Coffield, "My Heart's Desire" (Clarke). Male choir—Don Cossacks, "In der Kirche" (Tschalkowsky). Instrumental trio—Studio Trio, (a) "Serenade" (Drdla); (b) "Polonaise" (Glinka). Baritone—Mr. Claude H. Suisted, (a) "All the Fun of the Fair" (Martin); (b) "Fairings" (Martin).
 Orchestral—Budapest Philharmonic Orchestra, "Rakoczy March."
 9.30: (approx.) God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, OCTOBER 5.

- 3.0 to 4.30: Afternoon session—Selected gramophone records.
 6.0: Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from Thorndon Methodist Church.
 7.0: Relay of Evening Service of the Terrace Congregational Church. Preacher, Rev. H. W. Newell. Organist and Choirmaster, Mr. H. Brusey.
 8.15: (approx.) Relay of the band recital of the Wellington Municipal Tramways Band from St. James Theatres (Conductor, Mr. E. Franklin).

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, OCTOBER 5.

- 3.0: Afternoon session—Gramophone recital.
 5.30: Children's Song Service by Children of Methodist Sunday Schools.
 6.15: Chimes from the studio.
 6.30: Relay of Evening Service from St. Alban's Methodist Church, Rugby Street. Preacher, Rev. L. B. Neale. Organist, Miss Clarice Bell, L.A.B. Choirmaster, Mr. W. Simpson.
 7.45: (approx.) Musical recordings from studio.
 8.0: Band programme by the Woolston Band (Conductor, R. J. Estall), and assisted by 3YA artists.
 March—Band, "Harlequin" (Rimmer). Overture—Band, "Mirella" (Gounod).
 8.12: Baritone—Mr. F. R. Hawker, "Song of the Jersey Roadmaker" (Gaul).
 8.16: Instrumental—Christchurch Broadcasting Trio, (a) "Serenade" (Drigo); (b) "Ye Banks and Braes" (Scottish); (c) "Waltz" from "Sleeping Beauty" (Tschalkowsky).
 8.26: Soprano—Mrs. Jack Mason, (a) "Bells of Gold" (Rae); (b) "I Couldn't, Could I?" (Roedel).
 8.32: Male choir—Don Cossacks, "Save, O Lord, Thy People."
 8.36: Cornet—Bandsmen Ohlson and Marquet, Polka, "Entre Nous" (with band accompaniment) (Smith).
 8.42: Negro spirituals—Paul Robeson and Lawrence Brown, (a) "Hear de Lam's a cryin'" (arrgd. Brown); (b) "Ezekiel Saw de Wheel."
 8.48: Fantasia—Band, "Sailors' Memories" (Hawkins).
 8.58: Weather report and station notices.
 9.0: Horn—Bandsmen F. Turner, "Cujus Animam" (Rossini).
 9.6: Baritone—Mr. F. R. Hawker, (a) "The Gay Highway" (Drummond); (b) "The Merry Monk" (Bevan).
 9.12: Hymn—Band, "Lead, Kindly Light" (Sullivan).
 9.17: Male choir—Don Cossacks, "Safeguard, O Lord" (Tschesnokoff).
 9.21: Instrumental—Christchurch Broadcasting Trio, (a) "Pierette" (Chaminade); (b) "Swedish Folk Song" (Svendsen); (c) "Serenata" (Moszkowski).
 9.31: Soprano—Mrs. Jack Mason, "Deep In My Heart," from "Student Prince" (Romberg).
 9.34: Waltz—The Band, "Amazon" (Eltinge).
 March—Band, "Organic" (Scott).
 God save the King.

Australian Programmes

(Times corrected for New Zealand.)

Thursday, September 25.

STATION 2FC.—9.30 p.m.: The A.B.C. Players present from the Little Theatre a radio adaptation of "The Beloved Vagabond." 10.47 p.m.: Bryson Taylor, tenor. 11.2 p.m. and 11.29 p.m.: The "Mellow Fellows" will entertain. 11.9 p.m. and 11.36 p.m.: The A.B.C. Orchestra present selections.

2BL.—9.30 p.m.: Community singing transmitted from the Ashfield Town Hall. The Ashfield District Band and several prominent artists will present numbers during the programme.

3LO.—9.30 p.m.: The "Excel Three," in popular numbers. 10 p.m., and at intervals throughout the evening: The A.B.C. Novelty Orchestra. 10.17 p.m., 10.47 p.m., and 11.17 p.m.: Charles Albert, comedian. 10.27 p.m., 10.57 p.m. and 11.27 p.m.: John Wright, baritone.

3AR.—9.45 p.m.: Studio reproductions, annotated by Mr. Lindsay Biggins, Mus. Bae., including Symphony No. 6 (Pathétique in B minor), (Tschaiakowsky), played by the Symphony Orchestra. 10.30 p.m.: Relay from the Cairns Memorial Church of a choral programme. 11 p.m.: From the studio, a continuation of studio reproductions.

Friday, September 26.

STATION 2FC.—9.30 p.m. and 9.45 p.m.: Selections by the A.B.C. Orchestra. 9.37 p.m. and 10.2 p.m.: Clifford Lathlean, basso. 9.40 p.m. and 10.9 p.m.: Ruby MacDonald, violinist. 9.47 p.m.: Dorothy Nall, monologues. 10.35 p.m.: Olive Amadio, saxophonist. 10.45 p.m.: Relay from 3LO, Melbourne (see below).

2BL.—9.30 p.m., 9.54 p.m., 10.33 p.m. and 10.54 p.m.: The A.B.C. Dance Band. 9.35 p.m. and 10.15 p.m.: Jack Lumsdaine, the "Radio Rascal," in popular numbers. 9.45 p.m., 10.8 p.m. and 11.23 p.m.: Signor Panzetta, mandolinist. 9.48 p.m., 10.47 p.m. and 11.31 p.m.: Suzanne Ennis, contralto.

3LO.—9.30 p.m.: Relay from St. Paul's Cathedral of an organ recital by Dr. A. E. Floyd. 9.50 p.m.: Aussie Reka, soprano. 9.57 p.m.: Half an hour of classical music, interpreted by Morvyn Jones, pianist, Leslie Barkham, flautist, and Henry Thomas, basso. 10.30 p.m.: "The Favourite Five" present "Quinologues." 10.45 p.m. and at intervals throughout the remainder of the evening, the Brunswick City Band. 10.53 p.m.: Aussie Reka, soprano. 11.4 p.m.: Phil Smith and partner present "Comedy Cross Talk." 11.22 p.m.: "The Favourite Five" continue "Quinologues." 12.10 p.m.: A.B.C. Novelty Orchestra.

3AR.—9.45 p.m.: Community singing from the Central Hall, Geelong.

Saturday, September 27.

STATION 2FC.—9.30 p.m.: Relay from the Mosman Town Hall of a concert programme. 11.47 p.m.: Dance music from the ballroom of the Oriental.

2BL.—9.30 p.m. and 11.12 p.m.: John Warren, tenor. 9.37 p.m.: Carlton Fay, novelty pianist. 9.44 p.m. and 11.19 p.m.: Alf Lawrence and Neil Crane, entertainers. 9.51 p.m.: Les Harris, saxophonist. 9.45 p.m. and 11.38 p.m.: Sadie Anderson, vocalist. 10 p.m.: Description of boxing contest from the Sydney Stadium. 11.5 p.m., 11.29 p.m. and 11.45 p.m.: Merv Lyons' dance orchestra.

3LO.—9.30 p.m.: The studio orchestra present selections from "Gilbert and Sullivan" operas. 10.10 p.m. and 10.34 p.m.: Frank Tozer, novelty instrumentalist. 9.16 p.m.: "Tunin and Hearem" will entertain. 9.26 p.m.: The studio orchestra present melodies from "The Belle of New York." 10.40 p.m. and 10.54 p.m.: "The Master Four," male quartet. 11 p.m.: Transmission from the Tivoli Theatre of a vaudeville programme.

3AR.—9.30 p.m.: "Southward Ho with Mawson," from the Majestic Theatre, with illustrative lecture by Captain Frank Hurley.

Sunday, September 28.

STATION 3LO.—9.30 p.m.: Transmission from "The Plaza," St. Kilda, of a concert by Gustave Slappofski and the Victorian Professional Orchestra. 11.30 p.m.: Relay from the State Theatre of Wurilizer organ solos.

3AR.—8.30 p.m.: Divine service from Scots Church, Melbourne. 10 p.m.: Concert programme arranged by Professor Bernard Heinze. 11.5 p.m.: "Gulliver's Travels," a radio adaptation of Swift's famous satire on mankind.

Monday, September 29.

STATION 3LO.—9.30 p.m.: A programme of Irish songs and melodies. 10.15 p.m.: A vaudeville entertainment. 11.30 p.m.: A short-wave relay from Pittsburgh, Pennsylvania, under the auspices of the National Safety Council of Australia. 11.45 p.m.: His Excellency Lord Somers, acting-Governor-General, will reply on behalf of the Safety Council. 11.55 p.m.: Ballet music from "Aida."

3AR.—9.30 p.m.: Transmission from the Oxford Theatre, Wagga-wagga, of a final concert by the prize-winners of the 1930 Eisteddfod.

Tuesday, September 30.

STATION 3LO.—7.30 p.m.: Children's session. Eileen Pascoe-Webbe's Baby Sunbeam Singers (aged from 4 to 8 years). 9.30 p.m.: A.B.C. Orchestral concert with Gustave Slappofski and the Victorian Professional Orchestra.

3AR.—9.45 p.m.: Half an hour of choral music from the Australian Church. 10.15 p.m., 10.38 p.m. and 10.51 p.m.: A.B.C. Novelty Orchestra. 10.21 p.m. and 10.44 p.m.: Bert. Patsy, comedian. 10.57 p.m.: "The Garden of Buddha," a dramatic interlude. 11.7 p.m., 11.25 p.m., 11.40 p.m. and 11.55 p.m.: The A.B.C. Novelty Orchestra. 11.13 p.m.: "Jack and Jill, Propriety Unlimited" will entertain.

Wednesday, October 1.

STATION 3LO.—9.30 p.m.: A studio presentation of "Niobe," a three-act comedy. 12.10 p.m.: The Studio Dance Band present popular numbers.

3AR.—9.30 p.m.: A vaudeville programme from the Tivoli Theatre. 10.45 p.m., 11.13 p.m., 11.40 p.m. and 11.54 p.m.: Harry Shugg's Band will present selections. 11.2 p.m.: Cornet quartet, "Ada and Dos" (Loser).

Our Mailbag

"Somme" Programme.

THE wonderful programme put on the air from 2YA on Thursday night, September 11, was appreciated by all those in this district who heard it. We hope that such a programme will be repeated in the near future.—Keen Listener (Dannevirke).

America Cup Rebroadcast.

THE attempt of the R.B.C. to pick up the short-wave transmission of the yacht race for the America Cup, unfortunately attended with bad results, is commendable. The intention to do listeners a service was there, and I am sure this is appreciated. These are the kind of actions that cement the feeling of good-fellowship between the listeners and the R.B.C., though we do grumble at times. By-the-by, what has happened to the boxing and wrestling broadcasts?—Okeh (Wellington).

A Question of Propriety.

WE have heard a deal of criticism of late regarding both the quality of programmes and the standard of transmission from the YA stations. I thought you would like to hear a few words of praise for them. 2YA seems to be the station that receives the most criticism, for why I do not know. Locally, no one with a good-quality audio end can, I am sure, find any room for complaint. We all know that certain districts receive it poorly, due entirely to natural conditions over which we have no control. Most of the complaints seem to come from Wellington itself, and the reason is very easy to see. Most modern sets have such a tremendous radio frequency gain that on a high-powered local the detector is hopelessly overloaded. Have any of the critics tried a crystal on a good audio end? I wonder.

I noticed that at a recent meeting of the Radio Society a certain member said, among other things, that the microphones were of poor quality, badly placed, and that the monotoning was bad. It is doubtful if the speaker knew anything about a microphone at all, let alone the monotoning of a station. It is indeed amusing to think that this so-called amateur Radio Society, with no practical experience, should have the audacity to criticise the doings of practical men with years of experience. I am sure, however, that the R.B.C. do not take any notice of a society who represent less than one-tenth per cent. of the listeners. Some little time ago this same member told us that he could hear the engines on the Southern Cross on her trans-Atlantic flight in spite of the fact that she did not carry a 'phone build up a howl in this way.

Laboratory Jottings

THE Electric Lamp House have supplied us with one of their W.B. cone speakers, on which to report. Although a very moderately-priced speaker, it is nevertheless a good one. It has a particularly neat appearance, the frame being of solid moulded bakelite, finished in a warm brown. This, in the first place, is a good feature, for there is nothing to work loose and introduce unwanted frequencies.

The tone is surprising, for from an instrument of this kind one would expect harsh, unnatural sounds, but this is not so. The range of frequencies is between 75 and 6,000, but these extremes are very faint. The extremities that really enter into the quality of the output lie between 100 and 4500 cycles. Listening to the speaker one cannot help but remark on the fullness of the tone. Speech and music are clear, and even up to more than comfortable room volume there is no trace of over-loading and rattle. Moreover, it is as sensitive as the average cone speaker.

Altogether this speaker is worth more than the modest sum asked, and the writer remembers the days not so long ago when an instrument like this would have cost more than double the price.

Programme Features

(Continued from page 11.)

be discussed. At the conclusion of the reception (at approximately 9.30), a brief vaudeville programme will be given from the studio by the Salon Orchestra, which will be followed by a programme of dance music.

From 3YA.

SONGS, banjolin solos, humorous numbers, humorous songs, with patter and orchestral items will contribute to make Saturday night's programme a success. This programme will also be broadcast by 4YA.

transmitter. I mention this in passing to show how ready some people are to rush into print knowing nothing about their subject. I for one, like thousands of others, have no fault to find with the YA stations; the best of good wishes to them.—Push Pull (Master-ton).

DO not point your loudspeaker toward your set or place it too close to the receiver, as it is very easy to the fact that she did not carry a 'phone build up a howl in this way.

YOU, TOO, SHOULD OWN A

Philips Q.P. Radio Set

It operates from the light socket with or without an aerial, complete with Speaker, £19/15/-

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Identification Wanted

ON September 7 between 6 p.m. and 6.35 p.m. station on 360 metres (833.3 kc.), playing band music and also singing "rag-time." Mentioned something about "review" or "revue." Fairly certain that it was an American. Also on September 8 (6.30-7 p.m.), strange station on 535 metres (560 kc.), playing band music. Not an Australian—believe to be American.—"Interested" (Dunedin).

SEPTEMBER 11, at 11.30 p.m., station on approximately 1047 kc. (dial 23½), midway between 2KY and 2UE. It sounded like an American, but speech was unreadable owing to heavy static. Another heard at 11.45 p.m. on dial setting 76, two degrees above 4YA (dial 74). Heard another one degree above 4ZL's wavelength (dial 14), on dial setting 15. Static made calls unreadable. I have had my seven-valve a.c. set for three months, and have logged 58 stations—22 New Zealand, 21 Australian, 9 American, and 6 Japs.—R.E.K. (Westland).

ON September 9, at 3 p.m., I received a strong carrier wave with faint music, between 3LO and JOGK, on dial reading 42½ (I receive 3LO on 39, and JOGK on 44). On the same day, at 7 p.m., I heard a fairly strong carrier wave just one degree below 3LO. On Thursday, September 11, at 4 p.m., and again at 7 p.m., I heard a carrier wave with faint music, one degree above 2BL. This station was heterodyning 2BL. On Friday, at 11.30 p.m., I received a station, one degree above 2ZI Hastings (I get 2ZI on 8). The station was broadcasting a piano solo, after which a man said: "You will now be entertained with —" (I couldn't hear the rest because of static). I also received another station at 11.35 p.m., two degrees above 2ZI Hastings. The announcer's voice was very muffled, but the announcement sounded something like 4—Woodville. Both these stations faded right out at about 11.40 p.m. What is the call of the Japanese or Chinese station just below 3LO Melbourne?—"Electron" (Wgton.).

[These particulars are very vague. More than dial positions of stations heard is required for definite identification. JOCK Nagoya, Japan, operates on a frequency slightly higher than 3LO.—Ed.]

THE D.X. CLUB

Views and News.

STATION heard on September 5 after Wellington closed down, a shade above Wellington's wavelength. Sounded like Japanese. At 6 p.m., September 6, station heard on approximately 605 k.c. (496 m.), dial No. 77 (0-100). 3AR, Melbourne, is 72½. Faint talking was heard. September 10, station on 245 m. (1176 k.c.), approximately. A lady was talking at 12.30 p.m. and shortly afterward a banjo selection was heard. September 5, a station was heard on 233 m. (1290 k.c.), approximately. They closed down at 4.45 p.m., and said they would be on the air again on Sunday, September 7. Call sounded like 2ZFI. I have received 4BC, Brisbane, 7HO, Hobart and 3BA, Ballarat recently. I have had my set 3 weeks, and have logged 41 stations.—J.L.D. (Clyde).

ON September 17, from 1.30 p.m. to 3 p.m., I logged a foreign short-wave station giving frequency as 10,050 kilocycles (20.9 metres). Call sign sounded like 4SH, and one item recognised was "Marseillaise" march. Signals were very clear and steady. Strength R9.—"Novis" (Cross Creek).

FOREIGN station on 29 metres (approximately) heard on September 13 and 14, from 2 p.m. until 2.30 p.m., when he went off the air. This station came in at R9 with records. A call was given commencing with, "Allo Parée! Allo Berlin!" Another station just below W9XF (49 metres) heard the last few Sunday evenings, but always too weak to get call. This station goes off the air at 6 p.m.—J.V.M. (Wellington).

ON September 16, at 3.10 a.m., station on approximately 370 metres (810 k.c.) on bed-time stories. I couldn't get the announcement as static spoilt it.—"Mug" (Erua).

STATION operating on about 32 metres on Monday afternoon, September 15, broadcasting music, which continued for a long time before any talk was heard. When talk did commence it was

at R8 in a foreign language, and the man seemed to repeat some big numbers (hundreds of thousands) four or five times. Music then commenced again. The only item recognised was a waltz "amoureuse." At 4 p.m. talk was heard, and the National Anthem played. The station then went off the air. Would this be Zeesen, Germany? An American station was heard broadcasting music about 1 degree above W3XF on Monday, 15th. It closed down about 4.30 p.m. The talk sounded like German. It came in at R8. VK3ME, the experimental station at Melbourne was heard on 14th, playing records, and asking for reports. It was R9. Could anyone give me the address of ZL2DU, the new Palmerston North amateur transmitter? "Metre" (Huntly). No, I have not heard the station



MR. ROBERT MCKNIGHT.
A versatile concertina player, whose music is appreciated by listeners of IYA.

—Andrew, photo.

on 16.75 metres, but will listen for him. Could you tell me the call-sign of the "ham" in Huntly—J.C. (New Plymouth.)

I was up at 5.30 on September 14 to hear the relay of the America Cup, and while turning the dial I brought in a stranger on 39½ metres (760 kc.). Volume was good enough to be heard all over the house, but static was causing a lot of interference. At 5.45 a.m. a woman announced in a foreign tongue, and the foxtrot "Blue Skies" with vocal chorus came through. The singing was in English, so I take it that it was a gramophone record. This was followed by a Wurlitzer organ solo. The woman spoke again, and at 6 a.m. a gentleman commenced to talk, and was still talking when the station faded out at 6.30. On the morning of the 17th I heard them again with good volume, playing two accordion solos, followed by a violin solo. The music was in very quick tempo, like some of the foreign folk dances. The gentleman started to talk again, and was talking when the fade out came. I think I have identified this station as Bucharest, Rumania, 394 metres, power of 12 k.w. Anyway, I have written for verification. On Wednesday I also heard four more strangers, 690 kc. (434m.), 770 kc. (389m.), 860 kc. (349m.), 1070 kc. (280m.). The latter, as Mr. Ellis states, in his DX notes, sounded very much like German. It is very likely that the one on 690 kc. is 1RO, Rome, as this

is a very powerful station, operating exactly that frequency.—M.B.S. (Palmerston North.)

MONDAY, September 15, between 12 and 1 a.m., station operating on 3½ degrees (0-100), 1485 k.c. (203 metres). Another on 1460 k.c. (205 metres), call sounded like 4LW. No location. A further station on 1025 k.c. (292 metres) heard after 2UE closed down. Would this be 6LM, Perth? What appears to be a New Zealand amateur usually discussing parts of a receiver and using a good deal of morse operates on 1200 k.c. (250 metres) and seems to encroach on 3ZC's programme between 7 and 7.30 p.m. every Tuesday night. I logged VK2UR, Uralla on 1360 k.c. (220 metres). Can anyone recognise him? Has anyone heard if KGMV, Honolulu, has changed their call-sign to 3XX, Hawaii? This was what I gathered, but reception was weak.—B.W. (Stratford).

SEPTEMBER 16, 8.40 p.m., about 680 kilocycles. The station appeared to be testing, for the announcer was counting to five and repeating. The call sounded like DHU or 2HU, followed in good English by "Testing; how is clarity, Mr. Maxin?" It appeared to be one of the whaling ships, but faded badly.—S. Ellis (Okato).

STATION on about 82 metres, which came on the air at approximately 10.30 on Monday, September 15. The "Stein Song" was played, but about halfway through was suddenly cut off. After a few minutes its put on again, this time running the full course. This was followed by the "Caribbean Love Song." Station then went off the air, but came back later with a strong carrier, but no music. Strength R9, carrier R8.—"Short-waver" (Wairoa).

ON recent mornings from 5.30 onward I have been trying to identify foreign stations, but without much success, although they come in at fair strength. They are situated on 275 metres (1110 k.c.), 280 metres (1095 k.c.), 352 metres (860 k.c.)—one degree below 2BI—and 382 metres (770 k.c.)—one degree below 4QG. The announcers all speak in a foreign language, the one on 4QG being a lady. I have heard some splendid music. On a recent morning I heard some of the finest singing I could ever wish to hear from the station on 2BL, while the one on 280 metres broadcast some splendid violin solos. One announcement was, as near as I could make it, as follows: "Uce, sama, callama; tereme." I should be pleased to hear from the Milton enthusiast, and Mr. S. Ellis, if they have identified them. These stations are on the air too late for Indian stations—I have not heard Calcutta after 3.30 a.m. Are there broadcasting stations in Cairo and Constantinople? Incidentally, one station appeared to be relaying from a ballroom.—J.P.C. (Palmerston North).

ON September 18 at approximately 10.30 p.m. heard the end of a radio talk from a station on 485 metres (690 k.c.). After this followed, "What is on at the theatres?" succeeded by two piano solos.—Bob (Wellington).

ON Sunday, September 7, at about 2.50 p.m., I heard an American on 2YA's frequency with band music. Also heard him the previous day. Caught the name of one item, "I Want to be Sad." Then the leader said "28, 36, 64, hike," and a jazz number started. Would this be WGN, Chicago? Strength R8. Heard 2ZL, Hastings, on the 7th at about 10.45 a.m. Has anyone his address? An American station on approximately 202 metres (1490 k.c.) has been heard broadcasting boxing matches on one or two occasions. Heard them on September 11 reading out names and numbers. One name mentioned was Galloway. Sounded like Wall Street news. Was this WBAM? Strength R3. Has anyone

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heard an American with a call sign WBBLE on about 880.5 metres (1790 k.c.)? Heard him on September 11 at about 5.50 p.m. on dance music. Fading and static bad. Sometimes came in at R8-9 and then disappeared altogether for a time.—"Proton" (Gisborne).
[Please write legibly and in ink.—Ed.]

AMERICAN station operating on 780 k.c. (384 metres) just above KGO, Oakland, heard at 7.20 p.m. on September 16 playing records. Also another on 3YA's frequency heard on 3YA's silent night. Heard only one item, a violin solo, "Souvenir," and then it either closed down or faded out. Two more heard the same night, one between 2GR and 3UZ at 7.30 p.m. and the other on 2ZI's wavelength. My set is an 8-valve 3 s.g. a.c., which I've had three weeks and have so far logged 70 stations—12 Americans, 22 New Zealand, 28 Australians, 6 Japanese, 1 Chinese, 1 Philippine Islands.—"Keijo" (Invercargill).

ADDRESS of VK2JH, Kirribilli, Sydney wanted. I heard a station on 67 metres on September 19 on talk. Would this be AFK? Also a station on approximately 35 metres. He played four items and then closed down. Would this be PLW, Java?—J. Carroll (New Plymouth).

[J. V. Hutchison, 1 Holbrook Av., Kirribilli.—Ed.]

THANKS, J.T.S. for information. What station operates on 3YA's frequency?—W.F. (Millerton).

[We know of about a dozen; particulars are insufficient. Names of commercial receivers cannot be accepted as non-de-plumes.—Ed.]

COULD any one tell me the address of KPO, California? Also, which station operates on 4YA's frequency?—"Sneak" (Christchurch).
[Address required is "Hale Bros. and The Chronicle," San Francisco, California.—Ed.]

STATION heard on September 14 and 17 on 231 metres (1300 k.c.), very close to KFOX. Items heard on former date were "When its Springtime in the Rockies" and "The Desert Song" as an organ solo. On 17th I again heard it on reports of some competition which was won by Miss E. A. Williams, of Marywood, and a Mr. Percival Jolson, cousin of the famous Al Jolson. Later I again heard "Springtime in the Rockies." A very rapid fade characterised transmission. Another station on 760 k.c. (395 metres) was on records. Announcer was typically American. Items heard were "Oh, I Love You So Much," "Do-in' That Thing," and the "Blue Brass Boy." This station was very clear and steady, but gave no call sign. When he closed down, at 8.15 static spoiled my chance of hearing one. To date I have logged fifteen American stations, the latest being KGER, whom I heard asking for reports from listeners outside California. KOA and KMOX are among my recent loggings. Although static was bad on the 17th, the Americans were better than I have heard them for some weeks.—"Audio" (Seddon).

Stations Identified

K. A. DIXON (Hawke's Bay): You heard 5AD, 229 metres. I have not heard of a station 5DA.
"Gregg" (Dunedin): This was 7HO Hobart, 337 metres.
"J.L." Westport: 6ML Perth, 297 metres.
"Sandy" (Palmerston North): Certainly, Sandy. I am using 7 valves a.c. My log is 60. Drop me a line, c/o Railway Station, if I may call on you (name from "Radio Record"). KGMB, about 226 metres.
"Wilcox" (Timaru), G. Fraser (Oha-

ra): Eketahuna? Huh! Yes, both 2ZE and 2ZQ. You will have seen by this time that 7HO and 3TR have also been "bagged."—Amazon (P.N.).

"EXCUSABLE," Millerton: You heard Long Beach, and is, according to the boxing announcer, about 350 miles from Los Angeles. You may have heard

A Radio Rhymelet

THERE'S sunshine on the brooks
with trout,
And murmuring in the trees;
There's lure in cosy nooks, no doubt,
And rhythm in the seas;
Harmony in the wind that howls,
And patter of the rain;
There's melting music in these things
That chant in grand refrain.
But on a cold and wintry night,
When elements do play,
Give me a cosy fire and bright,
With 1, 2 3YA.

—J.V.W.

Los Angeles, as I have heard KGER go over to KTM Los Angeles for a description of boxing. KGER is usually heard from 7 to 7.30 p.m. with organ music. It closes down at 7.30.—Ben Adhem (Oamaru).

P.L.D.H. (Gisborne): Your American sounds like KMOX St. Louis, Mo. J.L. (Westport): The station you heard on about 2UE's wavelength is 6ML, Musgroves, Ltd., Murray Street, Perth, 900 watts (1010 k.c., 296 metres). Proton (Gisborne).

"Toc-Toq." Wellington, probably heard WLAC Nashville, on 201 metres; WSAI Cincinnati on 375 metres; KWKH Shreveport, Indiana, on 353 metres. E. W. Anglessea (Nelson).

"P.L.D.H." (Gisborne), probably heard 7.WTAM, Cleveland, Ohio, on 280 metres. Has anyone heard CJRM Moose Jaw, Sash, on 296 metres (1013.4 k.c.) lately? Address of 1ZM Manurewa wanted.—P.J.R. (Palm. N.).

F.B.T.: Station calling London is F.WND New York, on 44.5 metres. Station between W3XAL and W9XF is W9XAA Chicago, on 49.34 metres.—S.W., Lower Hutt.

J.L. (Westport) and "B.H.B." (Masterton): If you tune in your Jap. stations at 12.25 a.m. and hold them about 10 minutes, you will hear them close down, when they announce their call-sign clearly in English. You can then, by reference to the 1930 "Radio Guide," or the August 1 issue of the "Radio Record," find the location of the particular station you heard.—"Kilocycle," Huntly.

"METRE" (Huntly): I have heard Mexico only once, on May 13 this year, at 6.20—6.30 p.m. I have since received a verification. This is from XEN, "The Voice of Mexico," Mexico City, on 730 k.c. (410 m.). The Vancouver station, CNRV, is heard frequently at about 6 p.m. I have also heard two unidentified Canadians on 730 k.c. (410 m.) and 960 k.c. (312 metres). The station heard by P.L.D.H., Gisborne, on 1090 k.c. (275 metres) is KMOX, "The Voice of St. Louis." When conditions are good this station comes in at full speaker strength after 4.30 p.m.—"Kauspanka" (Hastings).

"W.F." (Millerton): Address of KMOX is St. Louis, Montana; of KTM is Pickwick Broadcasting Corp., Santa Monica, California; of KFI is Earl C. Anthony, Inc., Los Angeles Calif.; of KPO is Hale Bros. and "The Chronicle," San Francisco, Calif.; of KHJ is Don Lee Inc., Los Angeles, Calif.; of WEAR is Cleveland, Ohio, of WENR is Great Lakes Radio Broad-

casting Coy., Chicago, Illinois; and of KEX is Western Broadcasting Coy., Portland, Oregon.—Ed.

"J.C.S.": Station broadcasting an attempt to break world's attempt record for piano playing was KFWB, Hollywood. 4BC, Brisbane, is correct. Station above 2ZI could be 2ZH, Napier or KFOX, Longbeach, Cal.

"AMAZON": 5DN, Parkside, Adelaide, is about $\frac{1}{2}$ degree above 3YA. One on 1YA probably KRG (Shanghai) or 7HO, Hobart.

"PUKEWAI": Station $\frac{1}{2}$ degree above 3LO probably JOGK. It is a little too early for Calcutta.

"TORQUAY": Probably 4ZM and 2 GB.—J.P.C. (Palmerston North).

DX Topics

A Modest DX-er.

NEW American stations logged recently are KGA Washington, 1470 kc. (204m.); KVI Washington, 760 kc. (395 m.); KVL Washington, 1370 kc. (219 m.); KFBB Montana, 1280 kc. (234 m.); KTBS Louisiana, 1450 kc. (207m.). Also VK4LY Brisbane, on 1480 kc. (202 metres) and the Chinese station on 970 kc. (309 metres). The new Hastings station 2ZL, on about 1300 kc. (230

metres) should be heard well in New Zealand on Tuesday and Friday nights. 2ZI Hastings operates on Monday and Thursday nights. At about 2 a.m. recently I heard two stations on 790 kc. (380 metres) and 880 kc. (361 metres). The music was decidedly Oriental and announcements were in a foreign language, so I suppose these were the Indian stations, as the Japs had closed down. Some time ago I reported reception of KGNF North Platte, Nebraska. I received verification a few weeks ago which said that KGNF is a daytime station on 1430 kc. (209 metres), with 500 watts power. I was lucky enough to log them testing after midnight, so, as the manager said, they will probably never be heard in New Zealand again.—"Kauspanka" (Hastings).

"Norah" Calling.

I THINK I have solved the mystery of VJML. I have heard him call up YIM Melbourne, stating their locality. They had had to put into different ports owing to rough weather and were expecting to have a rough trip before they reached Adelaide. On September 15 I heard 2ME Sydney on harmonic, calling up VJML (Norah), asking: "What bunkers do you require for your trip to Adelaide via —?" Then he called up again and spelt the message but I could not get the last word. Then he said, "2ME Sydney signing off now." So I take it that VJML is a coastal boat called "Norah," plying between Australian ports.—J.P.C. (Palmerston North).

RADIO DIRECTORY

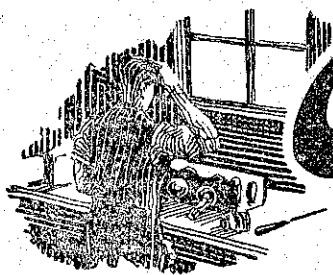
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Questions and Answers



"A CE" (Kakahi): Both requests arrived within a fortnight and your first one was answered last week, missing only the first week because it arrived late. Correspondents must bear in mind that "Questions and Answers" is not kept open later than Thursday in the week. Queries arriving after this cannot be answered until the issue bearing date a fortnight hence.

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

Name of set
Number of Valves
Name
Address

Nom de plume
To be kept in subsequent inquiries.

Date

Please Note:—

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

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

B. L.M. (Auckland): I have had my three-valve set in use for two years and yet both B and C batteries are at full strength. Why?

A.: You are indeed fortunate. Your set must be very light on B battery consumption.

C. J. McL. (Banks Peninsula): Can anything go wrong electrically with variable condensers?

A.: Not unless something mechanical happens first.

2. What causes a small high-pitched whistle when the negative terminal of the speaker is touched?

A.: This is quite in order. It is due only to an interruption of the circuit.

3. Do you consider—dynamic speaker gives faithful reproduction?

A.: We cannot make statements about speakers we have not tested.

4. I find that electricity remains in my eliminator after it has been turned off. Why?

A.: It is due to condenser storage.

5. Is it possible for an eliminator to deliver current that is not properly rectified?

A.: If the smoothing system is not in order or there is not enough of it a ripple will still remain though the current will be properly rectified.

6. How is grid bias obtained from a B battery eliminator?

A.: By separating the "A" circuit from the "B" in the set and taking "A—" through a variable resistance of 3000 ohms to "B—"; bring "C—" to "B—" and earth, and shunt the resistance with a 2 mfd. condenser.

7. Why does a five-valve set with an r.c. amplifier give much better signals without the C battery?

A.: There is probably something wrong with the resistances. This should not be. Although the signals may be louder the quality will be very much impaired by the absence of the C battery. Perhaps you are using too much or too little bias.

8. Can distortion arise from a crystal set?

A.: The crystal cuts off certain very high and low frequencies, but if a pair of good phones is used there will be no distortion other than this.

9. When tuning the set without an aerial I find that many whistles are received. These can be tuned in the same as stations.

A.: What do they sound like when they are tuned in? Probably they are very weak stations which you cannot receive properly without an aerial, hence the whistle and the failure to receive



MR. S. C. LEWIS,
Who plays the clarinet from 1YA.
He is heard both solo and as one of the Clarax Duo.

—Andrew, photo.

U. X. (Te Kuiti): What is the optimum size for shielded coils and the minimum diameter of the shields for use in a set using 224's?

A.: Where there is to be high gain you can reduce the diameter to 1 1/2 in., and even 1 in., making the shield cans the size of 1 lb. cocoa tins.

2. What effect has the shielding on ordinary coils?

A.: It increases the self capacity of the coil and introduces damping.

3. Can you tell me the approximate number of turns for each winding of three coils?

A.: Your question is far too vague. We require to know the type of condensers you are using, the gauge of wire you wish to use, and size of former. You will find information on this point in the "Radio Guide," 1930.

J. W. F. (Dunedin): I have a set of commercially-made coils in a five-valve neutrodyne, each with 66 turns on the secondary. They will turn to 600 metres. How many will I have to remove to be able to tune below 200 metres? Will this impair reception of the lower frequencies?

A.: You can remove 10 turns with safety, but you will lose the stations on the lower frequencies, but this sized coil should be able to tune in at 2FC. Otherwise it will not impair reception.

2. In which issue was the power pact described by "Megohm"?

A.: The most recent was described in three issues between December 27 and January 10. These are obtainable, if not from your local dealer, direct from the office.

3. Where can I obtain the 1930 "Listeners' Guide"? as I cannot get one in

N.Z.'S OWN RADIO BOOKSHOP

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"Radio Amateur Handbook" (Handy's) 6th edition, third printing June, 1930, 5/3
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"Radio Manual," by Sterling and Kruse, latest edition, 26/-.

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

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

"Practical Radio Telegraphy," by Nilsson and Hornung, 15/6.

"Radio Operating—Qstns. and Answrs.," by Nilsson and Hornung, 14/-.

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"Worked Examples in Electric Technology," by Peasgood and Boyland, 19/-.

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

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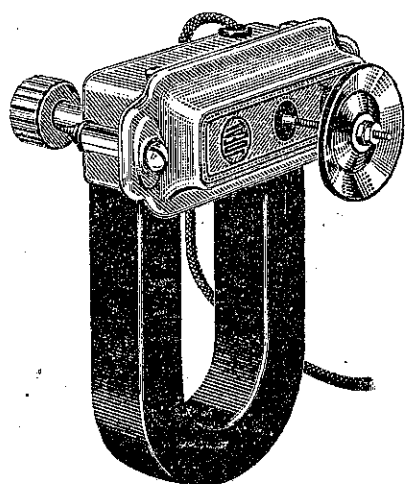
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66K, as illustrated, 30/-.

signals after the whistle has been tuned to its loudest point.

10. When hail makes a noise on the aerial, why can it still be heard when the aerial is disconnected?

A.: It is due probably to a very strong interference which is caused by heavy rain. This interference is probably so strong that you pick it up on your set without an aerial. It may be due also to moisture causing partial short circuit in your set.

11. When the eliminator or batteries are switched on the current takes a while to find its way to the speaker.

A.: This should not be so unless your resistances are very bad. In the eliminator it will take an almost imperceptible time, but with the batteries the signals should be there as soon as the set is switched on. We suspect that some of those high resistances used in the r.c. amplifier are at fault.

12. Could three crystal sets be coupled to an amplifier to give three times the output?

A.: Two could be utilised in the full-wave circuit described in the 1929 "Guide," but to our knowledge there is no method of coupling three.

Dunedin "owing to its tremendous sale," as one stationer told me?

A.: We really cannot tell you. Perhaps some dealer or bookseller in other parts of New Zealand may be able to supply you. If anyone can locate a few 1930 "Guides" they will find a ready sale for them by writing us.

4. On most stations the set has a sharp whistle and sometimes oscillates though it should not. If I shift the neutralising condensers the squeal stops, but I cannot get the distant stations.

A.: You should adjust your neutralising condensers so that the set is on the verge of oscillation on the highest frequencies. If you cannot get the results you expect look for the cause in other parts of the set.

F.W.A. (Christchurch): Originally my eliminator was fitted with a rectifier which worked silently, but has now failed. I obtained another of a different make, but it set up an objectionable hum. I have tried the usual methods of eliminating this but failed. The only method to overcome the difficulty has been to connect the A battery across the terminal.

A.: You have not given enough particulars. Do you have an A, B, and C eliminator, and is this trouble present in only the A? What are smoothing arrangements? If you shunted an electrolytic condenser of 2000 mfd. across the A terminals the trouble would probably disappear.

KILLINCHY (Killinchy): I enclose two audio circuits—one using parallel feed audio and the other using a transformer in a choke capacity circuit. Which is the better and what is the percentage of volume reduction?

A.: The parallel feed transformer coupling is the better with certain alterations. It may be better to take the B+ terminal of your transformer to earth and the "F" terminal to the C—, though there is very little difference between this and the method suggested in your sketch. It would be worth while trying both. Number 2, while producing a better tone, has a very marked lack of volume in comparison with the transformer coupled, unless an extra stage is used.

2. Which would reduce a.c. hum the most?

A.: There would be little or no difference.

3. How would either circuit compare with "Megohm's" double impedance coupling?

A.: The double impedance coupling would deliver better quality than either unless the highest grade transformers were used in circuit number one, though it would not have the volume possessed by the transformer coupled.

4. Why does music sound from a pick-up and come through the speaker at the same time?

A.: It is due to parts of the pick-up responding mechanically to the frequencies generated in the coils. It is rarely overcome, though in good pick-ups it is reduced to a bare minimum. The pick-up you mention, although not quite free, is as near so as the writer has heard.

5. Is there much advantage in cranked tone arm?

A.: It has certain theoretical advantages, but most high-grade instruments do not use it.

6. Do you consider that fibre gramophone needles reproduce as well as do steel needles?

A.: Not quite, as some of the higher frequencies are cut off. However, they are almost as good, especially if electrically recorded records are used. It certainly pays to use them if the pick-up shows any tendency to damage the records.

J.G. (Auckland).—Where could I obtain a blue print for "Round the World Two"?

A.: We have not published one, but the description in the diagrams published with the article should give you all the assistance you require.

MAC (Christchurch): Results on the broadcast band of the "Round the World Two" are good, and on short-wave I have picked up several stations on the speaker. I have now added another stage as described later, but find that the set will not oscillate on short-wave, and even then it is rough, with the result that so far I have only picked up Morse stations.

A.: Try the effect of altering the capacity of the condenser in the aerial, altering the voltages and the grid leak, and the grid condenser if need be. Try the use of an output filter. About a month ago in these columns some hints on this point were given.

2. I have tried voltages higher than 45, but the set will not carry it without screeching.

A.: The output filter should improve this.

3. Do you advise me to shield the set because I cannot get a wavetrapp to work in the usual way?

A.: Shielding would be an improvement, but you say in an earlier part of the letter that you can cut out 2YA to receive 3YA at a distance of half a mile. Why talk about shielding the set if you can do this?

4. What are the correct voltages for each lead?

A.: B +, detector 22½, first audio 45, last valve 90 or more.

FOXY (Hokitika).—A hum, something like the roaring of the sea in the distance, has developed in my set. How can I stop this?

A.: As it is an electric commercially-made set, we would advise you to contact your district agent.

2. If I raise my aerial to 60 feet high and to 450 feet long, would my reception be improved?

A.: The noise background would outweigh any advantages gained. The best aerial would be 60 feet high and about



MISS CHRISSIE FOSTER,
Soprano, and a member of the 1YA
Broadcasting Choir.
—S. P. Andrew, photo.

50 feet long. Perhaps you could try the Beverage aerial. It is about 500 yards long, 10 feet high, and earthed at the distant end to .00025 condenser.

STATIC (Christchurch).—I wish to change my seven-valve a.c. receiver to a short-wave set. What would be the cost?

A.: It would not be practicable to do it. You should obtain a short-wave adaptor, such as the Addaphone.

F.G. (Kelso).—I found the amplification in the "L.W." much louder and clearer than the transformer coupling. At present I am using DE5 as a power valve, and do not know whether to use the 224 or 245 as last audio?

A.: The only practicable combination

for the L.W. is a 224, followed by a 245. Other valves can be used if they are the same or of similar type, though, if you depart from specifications, you must do the experimenting yourself.

2. In constructing a transformer I could fit only 62 laminations through the centre. Is this satisfactory?

A.: Yes, if they are tightly packed.

3. I have been using the tuner of the 2 r.f. B.D. in connection with this amplifier, but I need a variable grid leak for the plate and grid return of the amplifier valve instead of a .5 meg. resistance, but I find this more or less unsatisfactory?

A.: Take the leads of the L.W. from the audio side of the first audio transformer—that is, you must use a detector and transformer if you wish to get good results from a tuner of the nature indicated.

4. The heater element of the screen grid valve seems to vary. Does this affect the amplifier?

A.: Most certainly, either your valve is defective or there is a defect in that filament circuit.

"HAZEL" (Christchurch): Is a log of 21 stations poor for an 8-valve a.c. set?

A.: It is not too good, but of course your locality may be bad. Your aerial is not a good one. If you wish to use

a "T" aerial the lead in must come from the exact centre, otherwise you will have to use an "L" aerial, taking the lead-in from one end.

2. If I am surrounded by other aerials does this affect reception?

A.: Other aerials will screen yours to a certain extent, especially if yours is a poor one.

3. Does the fact that the speaker is by the set make any difference?—No.

4. I cannot receive any American stations. Why?

A.: It is due probably to the poor aerial you appear to have. For DX reception the first qualification is a faultless aerial and earth system.

5. What is the average life of valves? My set has been in use for a year with an average use of four hours daily.

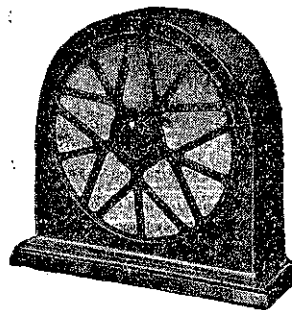
A.: About 1000 hours. Yours appear to have had well over that, so probably a new set would strengthen up reception.

"H.Z." (Napier): Would you supply details of broadcast coils for PCJ four?

A.: Coil No. 1: Secondary 195 turns No. 32 D.S.C. tunes 320-550 metres. Reaction coil 50 turns 36 to 40 ga., D.S.C. jumble wound in a pile. Coil No. 2: Secondary 96 turns of 28 D.S.C. tunes 205-350 metres. Reaction 30 turns 36

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to 40 ga. D.S.C. jumble wound. The r.f. and det. coils are the same. Bring the aerial to the top of the secondary through a .00015 condenser. The coils are figured for celluloid extensions to the valve bases, and for .00015 mfd. maximum condensers.

2. I have separated the coil windings. That is, the aerial and grid and the T. Anode and Reaction, about 1/6 of an inch instead of 1/16 as they recommend. Would this increased spacing affect the tuning in any way?

A.: Yes, slightly; and the set will not be so sensitive. Why not follow instructions?

"BEAT" (Masterton): I have a six-valve set with the following combination—three radio DEL 610, detector L610, first audio P610, pushpull two P625. I am having trouble with a continuous whistle in the pushpull stage. With a resistance in the grid leads it still whistles. When I take out one valve the volume increases slightly, but tone is inferior. If I replace it and take out the other the set motor-boats. When I cross the wires the opposite happens. I suspect the transformer.

A.: There are two or three interesting points which suggest trouble. In the first case have you realised that your set is drawing about 70 m.amps., and at 250 volts, unless you have a super eliminator you will meet trouble here for very few commercial eliminators will deliver this. If you have 250 volts on the plate as 625 requires, you will need a bias of 80 volts. Do you have that? Failure in either one or both of these directions will cause the symptoms spoken of, although the fact of crossing the wires over seems to point to trouble in one side of the split secondary. This could be tested by a cell and phones or voltmeter test. You should not be using DEP in the first audio stage as this requires nearly 10 m.amps. L610, requiring 3.5 m.amps., will handle the output sufficiently well. If DEP is not biased

by 9 volts you are getting a far greater drain than 10 m.amps. and of course causing more trouble.

"J. B." (Otago): Can I use a B eliminator with my four-valve set?

A.: In all probability yes, though there may be a slight background no stronger than barely audible.

2. In making the two-stage crystal amplifier described in the "Listeners' Guide," where does the grid return go?

A.: To the C1 terminal.

ELECTRON (Wellington): I cannot receive American stations. When should I look for them and when do they close down?

A.: Follow the DX notes and you will see when they are received. The usual time is in the afternoons and up till about 7.30 p.m., when they close down, that is, about midnight on the Pacific Coast.

2. Would Day's Bay be a good place for receiving the Americans?

A.: Owing to power leakages and the screening of the hills there are far better places than Day's Bay.

3. If I erected a larger aerial would the static increase in the same relation as signal strength?

A.: Providing your aerial is 40 feet high and 60 feet long any further increase would increase the noise level disproportionately to signal.

S. D. (Hikurangi): I have a Bluespot 66 K. How can I make this into a four volt dynamic?

A.: It cannot be accomplished.

2. In my four-valve set I am using two PM4's, RCA112, and an American 112 last stage. Is this a good combination?

A.: You would have had a difficulty had you tried to get a worse one. You are using four power valves. The combination should be detector A415, PM 4DX, L410, or 221 in the American series. For the first and second audio you should use two PM3's, 409's, L410's or 221's. You can use your 112 for the last stage.

3. When I increase the battery from the last valve the set squeals. Why?

A.: Probably because you are using so many audio stages and are reaching saturation point.

4. In this week's "Radio Record" I notice several correspondents ask questions in connection with a third audio stage. You discountenance same, but I have had success.

A.: You are really very lucky, but we would like to hear your set in operation, especially with the valve combination specified.

I. A. L. (Taumarunui): Where is the neutralising condenser on my set?

A.: For information write C. and A. Odlin, Wellington.

2. I am troubled with distortion. Are the valves wrong? I am using P625 in the last stage, with 9 volts bias.

A.: The grid bias on the power valve is altogether wrong. P625 requires about 15 volts when worked with 140 volts anode, although to obtain anything like maximum efficiency from this valve it requires 200 volts, with 20 or 25 volts bias. You should use P625A., with 15 volt bias.

3. Are wet batteries better than dry?

A.: They are more economical, but require a little care.

"A. B. C." (Auckland): I have a five-valve set. What are the best valves to use?

A.: Four 221's American type, and one medium power valve, such as 112. PM256, 605, P610.

"CONTROL" (Invercargill): Occasionally on switching on our set a moaning whistle comes through, which disappears when the speaker is lifted from the table.

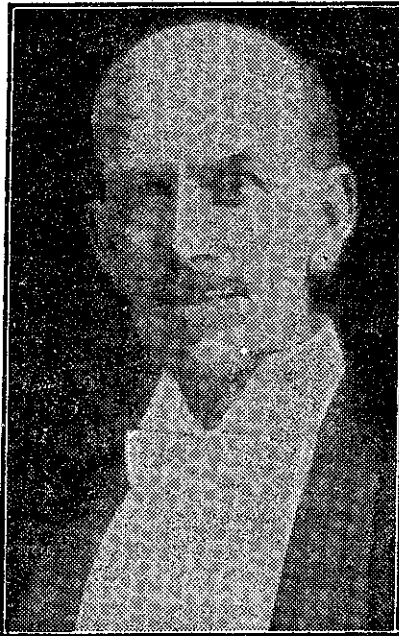
A.: This is due to a microphonic detector. If it is an a.c. set see if there are any other five-pronged valves other than those with a connection to the top

and interchange them with the detector. If the set is not a.c. change the detector with another one of the same type.

"L. M." (Motueka): Can the parts enumerated in my letter be used in R. the W. Two?

A.: Yes, the variable condenser with nine moving plates and eight fixed has a capacity of approximately .00035, and can be used in R. the W. for reaction.

2. I have a fair amount of wire, of the sample I enclose. Can it be used?



MR. A. MACPHERSON,
An Auckland tenor, and well-known
member of the Broadcasting Choir.
—S. P. Andrew, photo

A.: It is about 17 gauge, and can be used for the coils and the wiring of the set.

BEN ADHEM (Oamaru): My 1930 Guide short-wave set works well on long waves and brings in the American stations. Short-wave telephony stations are very weak. Would 30 feet of inside antenna be better than an aerial with a steel mast 30 feet high?—No.

2. I use an English s.g. valve. Might it improve matters to mount it horizontally and shorten the plate lead?

A.: Quite possibly it would be better.

3. The maximum detector plate voltage is about 45 and it will oscillate between 24.

The same valve used in a Cossor set will work with 135 volts on the plate.

A.: This is due to the difference in the circuits. It is difficult to explain why you are not getting the short-wave stations, particularly as your set oscillates well. Many correspondents have written us telling us of their success with this very popular receiver. Short-wave tuning requires a good deal of practice and skill. If you could raise your aerial to 40 feet, yet keeping it short, it might perhaps be better.

"COLUMBIA" (Picton): We have been using a five-valve battery set for nearly three years and lately the stations have been coming in with very little volume, although the batteries are kept well charged. The rheostat makes very little difference.

A.: Have you changed the valves since you purchased your set? If not that is the cause of your weakening reception. When you change them use 221 in place of 201A's and a power valve of the 171A type in the last stage.

W. E. A. (Dunedin): Can you tell me the most suitable valve combina-

tion for my six-valve receiver, (a) for distance, (b) for quality?

A.: Use (a) five 221's or their equivalents, and a 112 type power valve; and (b) 171A type power valve.

2. Is my present combination a good one?

A.: Yes. If you want to get distant stations try improving your aerial and earth equipment.

TICKLER (Invercargill): Is an aerial 110 feet too long for short-wave reception?

A.: Yes, use a series condenser or .00025.

2. When I connect the "B" supply a spark can be seen for the first time. What does this signify?

A.: That the condensers are charging.

3. I have obtained plug-in coils made specially for the set. Is it possible that one set will cover the whole short-wave band?

A.: Three or four coils will be necessary to tune between 25 metres and 120. You will have a difficulty in getting lower than 25 metres with a .0005 condenser.

4. Sometimes I get 4ZP, Invercargill, on top of Wellington, but nowhere else except on its proper setting. Why?

A.: It is probably a reflected frequency.

AERIAL (Christchurch): Is an aerial 35 feet high at one end and 30 feet at the other, 30 feet long, two wires separated by six feet spreaders, with a 25ft. lead-in, a good one?

A.: It would be better if you could get it higher and slightly longer, but if you are cramped for room you have probably erected the best aerial you can.

A. B. K. Z. Y. (Auckland): I wish to build a very sensitive receiver to get the Australian stations in broad daylight. I am thinking of using a circuit using four stages of screen grid followed by a regenerative detector. Would the fourth stage of the s.g.r.f. tend to make it unstable?

A.: You are certainly aiming to get a super-sensitive receiver, though you will probably be troubled with instability, as four stages or even three take a great deal of managing.

2. Would it be too sensitive and pick up too much noise?

A.: It would probably pick up its fair share of that and no doubt you would be able to hear more static than stations.

3. If it were working satisfactorily could I pick up two New York stations?

A.: You are very ambitious, but we are sorry we cannot help you in this respect. We have no idea what the set would be capable of doing. It should be very powerful.

4. Would five tuned circuits give sufficient selectivity for New Zealand conditions?—Yes.

6. Have you any suggestions to make?

A.: Yes, two stages of screen grid should be ample. You will probably have a great deal of trouble with four stages. Try the two first and if they work you can add the others.

"S. D." (Auckland): I am enclosing a cutting from your paper giving the specification of coils for the Cossor Melody Maker. This is in response to a request from a correspondent who asked you for them recently.

A.: Thanks, "S. D." We could have located them, but our correspondent particularly wanted valve base coils so we referred him to suitable ones. We appreciate your action.

"A. T. C." (Wellington): Can I eliminate Wellington using R. the W. Three with a wave trap?

A.: You should be able to.

2. Are any particular transformers required?

A.: Any good quality ones can be used

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DETAILS ON REQUEST

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THE first act of "Faust" is completely recorded by H.M.V., and the individual records are obtainable separately. "Oh, Merveille" (Visions of Marguerite), a duet between Caruso (tenor) and Journet (bass), (Caruso, of course, taking the part of Faust and Journet, Mephistopheles) although not belonging to the set, is of particular interest in view of the fact that it was in "Faust" that Caruso first won recognition as an operatic singer.

In this air Faust sees visions of Marguerite, and it is here for the first time the love motive, given out as a solo for the horns, is heard. It is then taken up by woodwind, against a background of tremolo strings. Through the beautiful music are heard the ejaculations of the elated Faust and the insinuating hints of Mephistopheles. Faust signs his soul away, the vision disappears, and in duet Faust and Mephistopheles sing "Be Mine Delight." The duet has been recently re-recorded by electrical methods.

THE Church scene, in act four, also broadcast, is fairly fully recorded by both companies. On H.M.V. it is found on DB899 with Chaliapine and Austral, and on Columbia 02843.

The Church scene is near the beginning of the fourth act. Marguerite has been deserted in her hour of need, and seeks forgiveness in the Church. The solemn notes of the organ are heard as the suffering girl enters. Mephistopheles, appearing by her side, claims her for his own, telling her that she cannot pray. From below is heard a chorus of demons calling for her soul. The unfortunate girl turns a deaf ear and cries to Heaven for help, but the impressive sounds of the organ are the only response. Through the tones of the organ the evil spirit in a passage of dignity recalls to Marguerite the days of her innocence and cries: "Thy playmates from below do claim thee, the worm to welcome thee, the fire to warm thee wait, but thou shalt not come." But Marguerite, not heeding the calls, steadfastly prays for repentance and Mephistopheles sings his taunting, jeering solo. He tells the girl the terrors that await her, recalls to her the innocence of her youth, and she, hearing the chorus of demons, cries, "Hast even now the hour of torture begun."

The second part of the church scene opens with the chanting of the choir

and the one you specify would be quite satisfactory.

3. Are any particular makes necessary for the other components?

A.: Not providing good quality ones are used.

4. What is the diameter of the former for the coils (3in.) and the letters on the terminal strip?

A.: A - B + detector, B + first audio, C - A +, B + power. A - C +, and B - are joined.

5. What is the resistance of the grid leak?

A.: For shortwave use about 9 meg-ohms, for broadcast 2.

6. What is the value of the rheostat?

-30 ohms.

7. What type of jack is it?

A.: A combined jack and filament switch.

8. What is the position of the .0005 condenser mentioned.

A.: .0005 should read .0035 reaction.

With GRAMOPHONE and RADIO

"FAUST" ACT ONE

BY "B NATURAL"

and Marguerite makes another despairing cry to heaven for assistance. Mephistopheles tells her that her sin is too deep for forgiveness and again the chant is heard. The terror-stricken girl again pleads her cause for mercy but the only reply is the unmoved solemnity of the church choir. "Mine thou art" cries Mephistopheles, and the exhausted girl sinks fainting to the ground as the curtain falls.

Mephistopheles, not content with the harm he has wrought, returns to the attack and sings his famous, taunting serenade, amidst mocking and derisive laughter. He contemplates his mis- chief for a few brief passages and then, unable to contain his good humour, breaks into fiendish laughter. A fairly new Columbia record of this is 02843. In the record the principals

In the pre-electric days many notabilities recorded excerpts from the opera, but when these are electrically reproduced to-day they lack considerably. However, music-lovers appreciate the action of both companies in recording many chosen excerpts on single records. The best orchestras and vocal companies of the day have been engaged in this work, with the result that there are many presentable records. These are particularly to be recommended to those who want a kaleidoscopic view of the whole opera.

VOCAL Gems are recorded, in English, by several of Columbia's leading artists on 02820. It is good to hear this opera in English, especially when the voices are clear and pure. They are well supported by orchestra and give a good picture of the opera ending with the very popular Soldiers' Chorus.

MAREK WEBER and his orchestra record selections on H.M.V. C1511. One can always rely on this combination to provide a bright record and no exception is made with "Faust." There is a good, bright selection of airs, opening with the "Marguerite Waltz," particularly well played with plenty of stringed passages, for which this waltz calls.

The Hills Around Otago

THE hills around Otago
Are beautiful and fair,
Enwrapped in snows of winter
That freshen all the air!
With lovely peaks majestic
That loom towards skies of blue,
And far away beneath them
Stretch fields of verdant hue.

The hills around Otago
Have stood, through all the
years;
When Maoris once were hostile
They soothed the tribal fears.
The pioneers who settled
Beneath them, long ago,
Felt strength and courage given
From their reflected glow.

—SADIE.

are Marise Beaujon and M. Bordon singing in French. The record is made in the Paris Opera House and its acoustic properties immediately create the atmosphere of the church in which the repentant Marguerite prays. The French soprano soloist is particularly well fitted to her part, and her touching appeals impart an air of realism. The organ rumbling in the background provides the effective church air, while the choruses, seemingly taunting the praying girl, completes the altogether fine representation. Another recording is found on H.M.V. DB899, with Chaliapine and Austral taking the parts of Mephistopheles and Marguerite respectively. The atmosphere is well obtained and the interpretations are excellent. The mocking serenade is recorded by Chaliapine on DA554, but, good as is the record, it loses through being mechanically recorded.

OF late there has not been a great deal of work done in recording electrically the airs from the opera.

A NEW record is 05009, the "Marguerite Waltz," played by the Milan Symphony Orchestra. This is a truly delightful waltz, certainly one of the best recorded. It has a swing and rhythm that is admirably suited to the waltz, and in these days of the ever-present jazz the recording comes as a welcome relief. The air will be played by the Orchestra on the night of the radio presentation of the opera. As a record it frequently comes over the air. On the reverse side is the prelude to the opera. This is a decidedly different air, intended to create the atmosphere of mysticism which characterises the first act. The music is slow, sad and reflective.

ON 02708, Columbia records two sides of splendid orchestral selections. The Columbia Symphony Orchestra, under the conductorship of Robert Hood Bowers, have lately been producing some fine records, and this is a fair sample of their art. The orchestra is remarkably full, and after a few brief passages from the prelude, introduces one after another of the better-known airs. The wind instruments play a more than usually large part, giving a quite different effect. The second side is a rousing one, for it contains the brilliant "Marguerite" waltz and some of the more vigorous airs.

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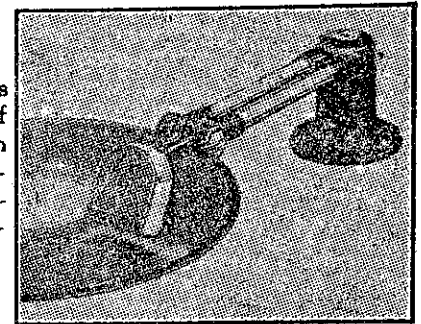
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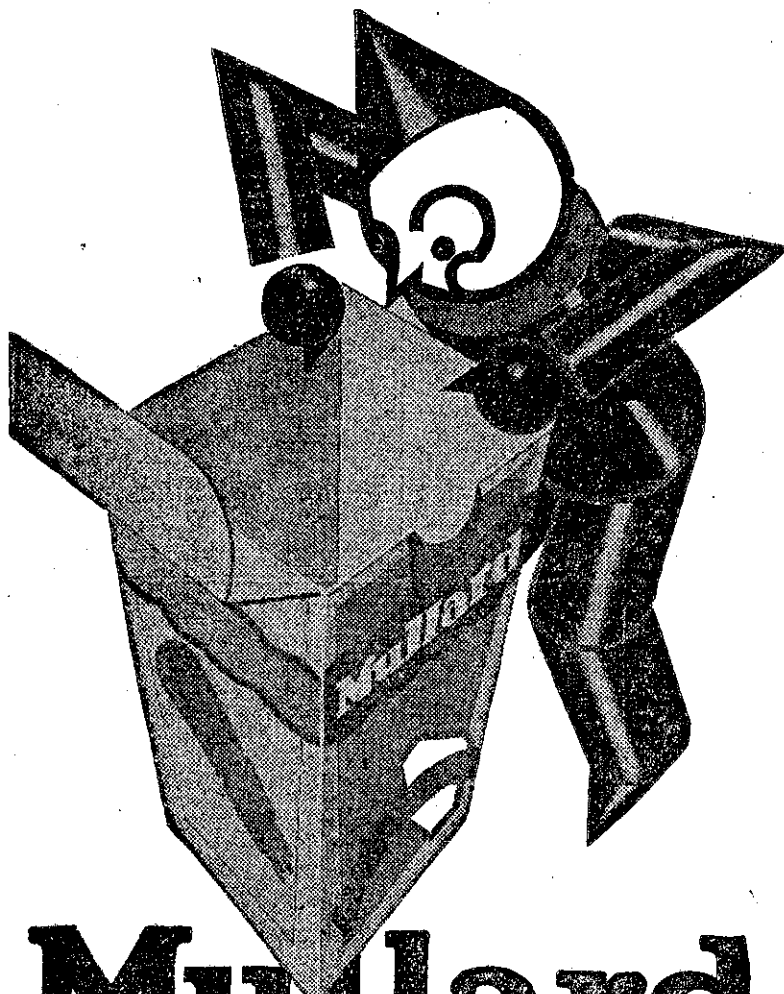
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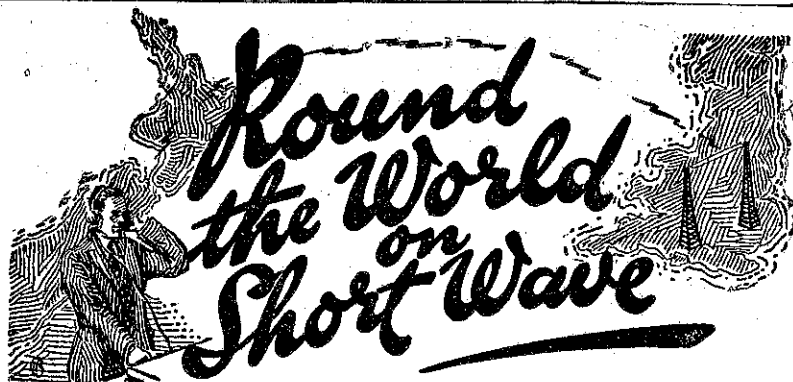


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THIS page is conducted in the interests of shortwave enthusiasts. A weekly log comprising notes of reception and interesting topical events is contributed by Mr. F. W. Sellens, Northland, Wellington, but all listeners are invited to send in paragraphs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

Shortwave Notes

STATION LSH, Buenos Aires, heard recently working on about 29 metres, has been identified by the call given at frequent intervals as "LSH, Radio Buenos Aires." Prior to Sunday, September 14, music has been heard at good strength, but no sign of a call. On Sunday, various cities were called, including London, Madrid, Paris, Berlin, etc. The call when given in Spanish sounds like "eela, eesu, aitchy." The following Wednesday, LSH was announced in English, so there is no doubt about this being correct.

Mr. R. T. Stanton (Christchurch) reports hearing LSH at R9 on September 14. On the same day he heard HRE, Tegucigalpa, Honduras, being R4, at 4.15 p.m. English and Spanish were spoken. HKC, Bogota, Colombia, also was heard, from 3.50 p.m. till 5.10 p.m. Volume was R8 toward the finish, when an American was speaking. Reports of reception were asked for. Static made readability poor.

Short-wave Telephony in Hawaii.

THE Federal Radio Commission of U.S.A. has issued licenses to the Mutual Telephone Company of Hawaii for the use of ultra short waves (5 to 13 metres) for radio telephony. Five islands of the Hawaiian group are to be linked up for inter-island telephone service, which will later be expanded to connect with the projected trans-Pacific radio-telephone.

Empire Broadcasting.

OVERSEAS listeners for some time past have been asking the B.B.C. to supply particulars of the main items of their forthcoming programmes well in advance of their respective dates, to allow of publication in the local papers of distant countries, and it is understood that the first of these advance programmes has now been issued and dispatched to the Far East.

America Cup Yacht Race.

CONDITIONS were not good for reception of American stations during the early morning of Sunday, September 14. I was up at 5 a.m., and from then till 8.30 a.m. the different stations were tried for at intervals without any luck. W9XF, New Jersey, was just audible for about half an hour, but faded out again without reaching readable strength. Stations usually heard during this period (5 a.m.-8.30 a.m.) were weaker than most mornings.

Stations Heard During Week.

3RO Rome, 80 metres. Radio Roma are better very early, before 5.30 a.m., than when they open again after a long interval. On Sunday they were quite good till closing down at 5.30 a.m. They were not heard again till 7.30 a.m., and then very weak.

RV15, Siberia 70 metres. Has been coming in well each evening, strength increasing as the hour grows later.

W9XF Chicago, 49.83 metres, was heard on Wednesday and Saturday from about 4 p.m. at R2, increasing to R8 by 5 p.m.

WSXAL Cincinnati, 49.5 metres, was just audible on Wednesday, but up to R5 at 5 p.m. on Saturday.

W9XAA Chicago, 49.34 metres. On Wednesday at 4.45 p.m. were R2-3, and the same on Saturday, but increased to R7 by 5 p.m.

WSXAL Boundbrook, New Jersey, 48.18 metres. Wednesday, R2 at 3.30 p.m., increasing to R5 at 4.35 p.m., when they signed off, after giving the programme for next day.

Radio Saigon, Indo-China, 49 metres (about). Heard on Saturday night for first time for several days. R8-9 at 11.30 p.m., with some native songs and music. Station on about 47.5 metres, heard at 4.30 p.m. on Saturday at R3-4. Music with American announcements. Call not readable.

3ZC Christchurch, about 46.5 metres. Was heard from 3.30 p.m. till 4.30 p.m. on Wednesday at R8-9. Quality was very good. Slight slow fading.

KIXR Manila, 48.8 metres. Heard Thursday, Friday, and Saturday, from 9.30 p.m. Very weak on Saturday, good volume other evenings.

PLM Java, 37 metres (about). Were on duplex with 2MB during Friday evening. Talk with records at intervals were received at R9.

CXY Lyngby, Denmark, 31.6 metres, can sometimes be heard just above Zeesen (in wavelength), Wednesday, 6.30 a.m., R3-4, slight gush and static. Just audible same time on Thursday.

W2XAF, Schenectady, 31.48 metres. Not heard much now they close earlier. Were on at 5 p.m. on Wednesday (did not hear them earlier). Volume R4 with records and talk. Readability poor on account of noisy background. Saturday at 2.30 p.m. they were R7-8, very gushy. Zeesen, Germany, 31.38 metres. Each morning, maximum is reached at about 7 a.m. Tuesday and Wednesday were best this week, being R9 at this time of excellent quality.

PCJ, Eindhoven, Holland, 31.28 metres. Thursday, Friday and Saturday mornings, best at 6.30 a.m. Saturday afternoon heard at 3 p.m. at R2, but not later.

NRH, Costa Rica, 31.3 metres. Was just audible for a short time about 2.30 p.m. on Saturday.

LSH, Buenos Aires, 29 metres (about). Sunday, Wednesday and Saturday. Audible from about 1 p.m., increasing in volume to about R9. Closes down between 2.30 p.m. and 2.50 p.m.

VK2ME, Sydney, 28.5 metres. Daily, telephone service with England. On Tuesday evening they appeared to be trying out a scheme for the speech distortion to prevent listeners from understanding what is said.

GBP, Rugby, 27.7 metres. Telephone service with Sydney.

ZLW, Wellington, 27.3 metres. Testing with 2ME, Sydney, improving in quality, but too close to my receiver to hear other stations on new wavelength.

GSSW, Chelmsford, 25.53 metres. Each morning except Sunday and Monday. Rapid fade, bad each morning, and, when ZLW on, interferes badly.

VK2ME, Sydney, 20 metres (about). Were working with ZLW during the evening on about 20 metres.

Contributed Log

AFTER a fairly severe illness, Mr. Sellens, our short-wave correspondent, is again supplying his reception notes. Several correspondents, noticing their absence, have sent in notes, but while appreciating their interest, we regret that owing to pressure on space and to prevent unnecessary duplication of Mr. Sellens's remarks, we cannot publish them.

MR. H. F. ADCOCK, who has sent in a log, adds:—Sunday, September 14, a station was heard a fraction below 2XAF; they closed at 3.30 p.m. "W3—" was heard, also "907 k.c. and 9090 k.c." was mentioned and owned by the "Western—" Hami 3AB, 2BI and 2GJ were heard.

MR. A. D. ROGERS (Newtown) appears to have heard the same station for he says:—"I have heard a new American, operating on 9520 k.c. (31.28) approximately, using the call of WIXG. This station opens at 11 p.m. each night and is heard at about R4 on phones, and is hardly readable on some evenings. I heard the announcer give the calls of three stations, W—, K—, and WIXG, and adding 'these stations are operated by the Westinghouse Electric and Manufacturing Co.' WIXG, I think, is located at Portland, Maine. A Morse station operates practically on top of this station and makes readability very hard. The Java station, 3AN, Sourabaya, has been heard frequently after 11 p.m. or 49 metres at good phone strength. On Sunday, September 14, 1930, a stranger on 29 metres playing a record at R9 at about 2.30 p.m., closed without any announcement. Could any listener tell me if PHL, Huizen, is on the air now? If so, what is the schedule? Numerous Australian 'hams' have been heard lately on the 40-metre band and some of them come in at good strength. I received a card from VK2LZ, Crows' Nest, New South Wales, and he states that he uses 10 watts input. He comes in here at R8 at times. 2HC, Quirindi, New South Wales, put over a test programme, using 95 watts on 3520 k.c. on September 6, 1930, and was well received here at R9 on the speaker. His gramophone recordings came over very well indeed. I think he is about the best Australian 'ham'."

ceived here at R9 on the speaker. His gramophone recordings came over very well indeed. I think he is about the best Australian 'ham'."

H.R.B., Honduras

Reports Invited

READERS may be interested in the following letter received by an Auckland reader from H.R.B. Honduras:—
"Dear Sir,—Just received your report on reception of our station, and wish to thank you for your trouble and trust that we will hear from you again, as we are now using our new transmitter. Yours is the record report on reception from New Zealand. We received a letter from Mr. Arthur Stevens, of Hawera, reporting on our programme during March of this year.

"Your report was dated June 18, and at this time we were using a small experimental transmitter of approximately 50 watts output. On July 1, this year, we installed a new broadcast transmitter which was manufactured by the General Electric Company, and has an output of 2500 watts, with crystal control, and we feel sure that our programmes will be received in your country under normal conditions.

"We are now operating on two frequencies, 6005 kc. and 6170 kc., or 49.95 and 48.62 metres. We broadcast regular musical programmes on Monday, Wednesday, Friday, and Saturday, from 8.15 to 11 p.m., C.S.T. On the above schedules we operate on 50 watts output on 49.95 metres, and 2500 watts output on 48.62, but in the near future we will discontinue using the 50-watt transmitter and operate full time (every day) on either of the above-mentioned waves.

"We would greatly appreciate having you publish something about our station in one of your radio magazines, as we are very much interested in receiving more reports from your far-distant country. If reception is good and you set a date in advance, we will gladly give you a special programme making all announcements in English, and have the best talent in Central America at your services.

"Trust that you will notice the difference in power and that reception will compare favourably with some of the United States broadcast stations, which I understand come in very good in your country. If reception is good and you notify us at least six weeks in advance, we will put on a real programme for New Zealand broadcast listeners.—Kenneth A. See (manager)."

They also sent me a huge verification card, almost exactly the same size as two pages of the "Radio Record" side by side. The address is: "Radio Station H.R.B., Tropical Radio Co., Kguicigalpa, Honduras, C.A."

DX Topics

Answer to Correspondent.

C. A. (Invercargill): When you get accustomed to your set you should get a good log. Your present one, if locality is average, can be improved upon.

"UNIVERSAL" (Ladbrooks): We received your excellent log of American stations, but regret that lack of space will not permit of their publication.—Ed.

2ZE Eketahuna.

FOLLOWING are particulars contained on a card received from 2ZE, Eketahuna: Wavelength, 258 metres (1170 k.c.) Sessions: Sundays, 4.30 p.m.-6 p.m.; Wednesdays, 8 p.m.-10 p.m. Aerial power, 35 watts, using a cage aerial. Address, c/o G. R. S. Allen, Main Street,

Eketahuna. The station owners are prompt in answering correspondence. "Bob" (Wellington).

Jap Broadcasts.

ON a Thursday night a week or two ago I tuned in the Japs, and found five of them broadcasting the same thing. At 10.10 the speaker was quite distinctive and could not be mistaken. Ten minutes later there was someone else before the microphone, but still from five stations. After 10.30 an instrumental item seemed to be the same from four of them. These were all the Japs available to me at the time. The others were so many squeaks. This must have been a special occasion, for the programmes as a rule are different. KMOX has been holding the fort



MISS JOYCE SETH-SMITH,
A mezzo-soprano, who has been heard from 1YA in recital work, and in studio concerts.
—S. P. Andrew, photo.

among the Americans lately, and has been quite good strength when not another American can be heard. Evidently the new transmitter is not bad.—Ben Adhem (Oamaru).

CAN any DX-er tell me how they identify Japanese stations. I have received six Japanese stations, but apart from the frequencies given in the "Call Book" I have no means of telling which is which, as only Japanese music and speech has been heard. I do not regard the frequency identification as definite enough. Take the case of a listener who does not understand English and tunes in on 800 kc., on which frequency both WBAP Forth Worth and WFAA Dallas, transmit. If WBAP is transmitting, but only WFAA is shown on that fre-

quency in the "Call Book," he would log the Dallas station, whereas he was getting Forth Worth. This means of identification works on the assumption that no unlisted station is operating on the same or neighbouring frequency. I heard a programme from Wanganui recently under the call of 2ZR. This was on the same dial setting as for 2ZK, as listed in the "Call Book." Are there two stations in Wanganui or should the sign in the guide read 2ZR instead of 2ZK?—W. Hutchison (Gisborne).

[There are two Wanganui stations, 2ZR having gone on the air since the "Guide" was published.—Ed.]

An Unidentified Stranger.

I HAVE tried to clear up the stranger on 8LO's wavelength. All I can make out is that he is a foreigner. He was R6 on the 17th, at 3.50 a.m. Has anyone heard VK3AM Ellwood, Victoria? He was playing records at 2 a.m. on the 17th on approximately 250 metres (1200 kc.), strength R9. Zeesen and PCJ were both R9 on September 18 from 4 a.m. till daylight. PCJ advised he would mail listeners upon request, a book dealing with short-wave work and describing PCJ. He was testing two different kinds of aerials. At 12.30 a.m. on the same day 3UZ changed over to 3RL for a "graphic broadcast." All I heard then was a high-frequency note—evidently television—"Mug" (Erua).

DX News.

"MEDICO" (Hastings): I have yet to see or hear a goat race, but you have my assurance that I have backed plenty of them. To DX-ers in general: 1ZM is owned and operated by W. H. Rodgers, Massey Road, Manurewa, wavelength 247.89 metres, 1210 kc. Power output, 10 watts. On the air 10-12 a.m., 1-3 p.m., 4.30-6 p.m., 10-11 p.m., Sunday and holidays.—L. Hutton (Mercer).

FOR SALE OR EXCHANGE

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

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8 SCREEN-GRID RADIO CHASSIS, £26. Triple S.G. R.F. Power Detection, 245's Push-pull. Write for details. Royds-Howard Co., Christchurch.

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LAST year a big brewery firm of Dublin decided to advertise for the first time in its career. Its profits have increased by £553,432 for the year.

IN order to preserve new silk stockings rub the heels and toes with a piece of paraffin wax. The white mark of the wax will disappear with walking, and it will be found unnecessary to darn the stockings for many weeks.

FRUIT stains on cotton or linen should be rubbed immediately with salt. Boiling water should then be poured over, and the cloth laundered. On wool or silk texture, use warm oxalic acid solution, about 1 in 20, rinse well and wash.

THIS is the newest neckwear: A necklace of large wooden beads, covered with crepe de chine, alternating with smaller wooden and metal beads in between; a large artist's bow of the same crepe de chine tied on to the necklace at the front.

THE latest Paris dress sensation is pyjama trousers, instead of skirts for women's evening wear. The trousers are cut square and full, and look like skirts, and with them are worn short evening coats in black satin or velvet, or white ermine jackets.

IF you have any old stale cake left over you can transform it into something delicious for afternoon tea in the following manner:—Cut it into narrow strips about one inch thick, coat each thoroughly with condensed milk, toss in desiccated coconut, and toast over the fire.

THE latest novelty in Paris (says an English writer) is the illuminated heel. It is made of glass, concealed in which is a tiny electric lamp. When the wearer dances she presses a switch and she is in the spotlight all the time!

Lady Smokers, Read This!

Your happiness and success depend upon your physical fitness. The Tobacco Habit is holding you back and robbing you of your health, ability, power and money. We can help you quit this habit. Home Welfare Pty., A.M.P. Buildings, 36R Hunter St., Wellington.

VERY soon all the suburban lines of the London North-Eastern Railway, radiating from King's Cross, will be electrified. Negotiations are also in hand with other railways to have electric trains running to three of their terminal stations in the city of London. How long will it be before New Zealand follows suit?

TRY salting your own almonds. Take a small pan and enough butter to make it one inch deep when melted. When it has reached boiling point throw in the blanched almonds, so that they all brown alike. Mix some salt and a little cayenne together on a paper. Take out the almonds and roll them in it, shaking them well till nearly cold.

BUYING expensive electrical appliances on the time-purchase system spreading over a long period has not yet been inaugurated in New Zealand. Stoves and refrigerators can be bought by payments spreading over one year. However, in England there is an electricity committee which installs electric cookers on the hire-purchase system, free of charge, and the repayments are allowed to spread over five years. This would be a boon to residents who have to depend on coal fires or electricity, where no gas is available.

ARCHITECTS sometimes have strange stories to tell about the

stocked cellar and every electrical luxury in the kitchen. In fact, the "Flying Scotsman" has an all-electric kitchen, and it is possible to order any delicacy you fancy, invalids being specially catered for.

A NOVEL use for a vacuum cleaner is recorded in a Home paper. Recently the timbers of the belfry and vaulting over the presbytery in the ancient Watching Tower of St. Alban's Abbey were found to be imperilled by the ravages of the black beetle. A vacuum cleaner was promptly carried up to the tower and was used to effect a thorough cleaning of the dust and dirt in which the beetle flourishes. It was also found that the suction of the cleaner was sufficient to extract the beetle itself from the holes in the timber. Four tons of dirt were quickly removed from the tower.

WITH that discretion which so often accompanies true valour (says an English writer), the Men's Dress Reform Party chose a day on which summer is officially understood to be definitely with us for a "West End Demonstration of Sensible Dress for Men." But, alas! the humorous gods who stage-manage our climate decided that the time was ripe for a practical joke. The reform party has a membership of 3500, of which 700 are in London. Yet only nine heroes braved December conditions to demonstrate the beauty of bare knees and open-

worked on this system, and for the insertion of a small coin you can feel warm and comfortable and monarch of all you survey, and under no obligation to anyone.

THE latest idea in interior wall-decoration is the use of plastic paint. This material produces a textured relief finish which, when glazed over, is especially suitable as a background for antique furniture. It can be applied to almost any surface, and will provide a uniform coating over a variety of different surfaces, such as glass, cement, brick, or wall-board. Almost any colour effect may be obtained by experimenting with the blending of different tones. Plastic paint can be applied over an old surface as successfully as over a new, but it is advisable first to scratch the old surface with coarse sandpaper. If the wall has been papered the old paper should be removed first before applying the plastic paint.

WE hear of the pride of the housewife when she speaks of her vacuum cleaner, but greater yet is the pride of the woman who owns her "scrubber-polisher." This is a very wonderful contrivance. It has a brush ring, on which are mounted four sectional brushes. Then there is a water tank which will hold seven quarts of water, and this is fed through the centre of the brush ring when scrubbing time comes. The water feed is very simply worked, just by touching a switch in the handle. In big offices and wholesale places in Wellington, it would surely be well worth while to purchase this, so the time of the caretaker spent in scrubbing could be utilised on something else which would enhance the letting value of the building.

Thought For the Week.

In business be as able as you can, but do not be cunning; cunning is the dark sanctuary of incapacity.

(Lord Chesterfield's Letters).

queer clients they meet, and their curious fads. One man, a simple Scotsman, who had made a fortune, had a fine country house built to the design of a leading architect. But the house, though fully furnished, remained unoccupied, the humble Scot preferring his own simple dwelling. Occasionally he would take some friends over to see his new possession, giving full rein to his pride as owner of the "big hoose."

IN the old days, fifty years ago, people when travelling by train used to carry a packet of sandwiches and a flask. Then an experimental dining-car was brought to England from America, the kitchen being fitted with a coke stove. Nowadays every car has a well-

shirted collars. One way and another our male dress reformers seem to have very little luck. Or, should one say, too little pluck?

NEW ZEALAND is usually to the fore in most things, but we have not yet made arrangements to have electricity paid for by a shilling in the slot, or even by a penny, which would go quite a long way as payment for electricity. This is where the gas company scores, for there is no doubt that in the letting of rooms, flats and offices this is an ideal way of paying. In the bedrooms of the railway hotels at King's Cross, London and Sheffield, electric radiators are being installed which are to be

THE bi-centenary of Michael Faraday's discovery of electricity is to be celebrated in September, 1931. At this ceremony there will be present many staid and learned professors, who will lecture on the famous scientist's discovery of the electric spark. But there were other theories which Faraday expounded with equal conviction, notably, that love is a nuisance to everybody, consequently nobody should fall into that unhappy state. He himself, however, succumbed to the charms of a girl whom he pursued and eventually won. This son of a blacksmith, who became the greatest scientist of his time, used to sell newspapers for a living, and had to borrow money in order to pay his fees for his university lectures.

THERE is in existence a "magic box." This is an instrument invented some years ago by an American doctor, by means of which he claimed to be able to diagnose and treat disease through electric wave reactions. Each disease was numbered, and the doctor turned knobs on a dial until the "reaction" indicated the presence of a particular disease. Needless to say, there has been tremendous controversy over this mysterious box, and certain of its performances have puzzled expert committees set up to investigate its claims. Two London physicians are now engaged in writing a book on the detection of disease, and it is possible that this may throw some new light on the matter, and open up a fresh field for the employment of electricity in medicine.

THE Carl Rosa Opera Company recently carried out an interesting experiment at the Strand Theatre, London, when they supplied the audience with slips and asked them to vote for their favourite opera. The result was rather surprising to those who know the conservative operatic taste of the English public—the first three operas being all Wagner's. "The Flying Dutchman" was well ahead of the rest, followed by "Siegfried" and "Tannhauser." The demand for Wagnerian opera has been enormous recently, not only in London, but in the provinces, and is not confined to one class. Working men and girls will cheerfully go without their supper to sit through operas like "Rheingold," which last for anything from four to six hours on the stage. In this connection it is interesting to note that Mr. Alfred Walmesley, who produces opera for 4YA, has had a long connection with this company.

A YOUNG man who was feeling out of sorts went to his medical adviser to discover the cause and the cure. "What's your breakfast, young man?" asked the doctor. "Oh, just the usual thing, bacon and eggs, bread and butter, and two cups of tea." "H'm! How do you like your bacon—fat or lean? Lean? I thought so. And do you put plenty of butter on your bread?" "Don't get the chance. They're pretty close with the butter at the boardinghouse." "Well, listen to me," said the doctor. "For everybody four foodstuffs are essential—flesh-forming foods, fats, starches, and mineral salts. Now, you are leaving out almost all the fatty principles in your food, and most of the mineral salts, which contain the necessary vitamin. Suppose you try starting with an orange—this gives you plenty of one vitamin, and at the same time sets the digestive juices going. Follow this up with a plate of porridge and milk—that will give you fats and starches and flesh-forming foods. Add an egg and some bread with all the butter you can get, and your meal will have twice the nutritive value it had before." "What about tea, doctor?" asked the patient longingly. "Tea and coffee are only stimulants, not a 'food,'" replied the older man sternly. "And now be off—I have a heavy day's work ahead of me. Good-bye!"

—ALISON.

Prize Poem Competition

THE prize of half a guinea this week is awarded to A.N.I.C. for two small poems, entitled "Twilight" and "Youth"; no single poem of those contributed being of sufficiently outstanding merit for selection as winner. The large number of contributions received, many coming from remote districts ranging from North Auckland to Central Otago, are of good average merit, some of them revealing conspicuous powers of meticulous observation and delight in our lovely land, quite often allied with genuine poetic flair. Selected for commendation is "Sanctuary," which, though not achieving winning standard, is musically phrased and expresses with considerable charm an acute consciousness of beauty.

"Miree": Your poem of sunshine and colour when the world is young appeals, but the last verses are not so good as the first four.

"Your Eyes" is a musically-worded tribute to a pearl of a girl. It just misses.

"Native Bush": April would have been a more suitable month for your hymn of remembrance; but in any case, though we accord with the sentiment, we find your verse form faulty.

"Lucibel Lee's" sheaf of easily flowing songlets mostly concern the beauty around and about us, concerning which she employs an attractive vocabulary to voice sensitive response to colour and movement of "peacock coloured bays," "emerald tapestry of trees" and "gardens murmurous of bees."

"Mother's Little Lamb": Far too long. Contributors must not send more than 25 lines, and in any case your amusing skit would gain immensely by greater brevity of expression.

"Wild Rose": We like your small musical monologue. Though your work is not up to winning standard, and may never be, your intuitive observation and sense of words are worthy of encouragement.

"Quietude": An impression of nature in tranquillity, by a dreamer who drowns in a pastel-tinted landscape.

"Felix": Each line carefully worded, but whole effect obscure.

"Carry On": Try a sporting paper with these rousing lines.

"Prester John": Your dry chuckle anent current events is droll and topical, but outside our province.

"Ariadne": Sound and fury that gets you nowhere.

TWILIGHT

WE spoke your name in the dusk to-night,
When the world was red in the dim half-light,
When the seething breakers were laced with foam,
And the shrieking gulls went wheeling home.
Strange . . . that the world went just the same
When we on the hill-top said your name,
Strange . . . that the Night pursued the Day,
When he knew that you were away . . . away.
The dim mist vanished, the air was clear,
The wind went singing, the sky seemed near,
The sea-gulls shrieked in the red half-light,
As we spoke your name in the dusk to-night.

—A.N.I.C.

Don'ts for Safety

DEAR Mabel,—Ever since our childhood days, when mother used to tell you to "find out what Phyllis is doing and tell her to stop," my long-suffering family has been wondering what I would do next. Well, I have bus' loose again, and in a direction that you would have great difficulty in guessing. I have spent every single penny of Aunt Mary's legacy in electrifying the whole house. I mean this figuratively as well as literally, and I have received a budget of advice from that stern brother of mine that would make a persistent young woman like myself want to test everything out to see if he hadn't committed an error of

judgment. Mabel, just listen to what he has told this poor back-block homemaker:—NEVER.

(1) When using an electric jug or kettle, never fill or empty with the current switched on, or the plug—otherwise you will probably ruin and burn out the element.

(2) Electricity and water do not combine well, so to avoid shocks do not handle electric appliances when the power is on with wet hands.

(3) Use your light socket for heating your iron or radiator, it will probably blow a fuse.

Touch or tamper with a blown-out fuse, or change plugs on your appliances. It pays to call in your electrician.

—With much love FUSE.

Modern Home

Difference of Opinion

QUITE naturally, people have radically different ideas about the type of house they would like to live in. To some a modern house planned and equipped to save labour is ideal, but there are, perhaps, just as many who prefer an old house, with the charm which age alone can give. However, this latter home is quite all right to look at and enjoy the idea of its antiquity, but unfortunately our present-day living has made me take electricity as an everyday event, and we only think about it when we are without it, and then it is brought home to us that it is an impossible thing to do without. I had an example of this recently. A friend had a beautiful old home which had been let for years to the same people; it was probably about 30 years or more, but as they were paying an absurdly low rental nothing had been done. However, they left the district and the place was relet. Evidently the new tenants had not noticed that there was no electricity; when they discovered it you would have thought the landlord had committed a crime, and done them the most terrible injustice. The gist of the conversation was as follows:—"Fancy not having a plug for our vacuum-cleaner! Use a candle to go to bed—an unheard of thing! Use gas? Good Gracious! How could we light it? Stand up on a chair? Absurd! What are we going to do about our morning cup of tea without a plug to put our kettle or jug in? Use a Primus! Cut wood for a fire! Man, you don't know what you're talking about. We're living in the twentieth century, not in the time of Noah. Send your electrician at once, and put plugs in every room and lights everywhere so we can see, otherwise we will leave immediately." After hearing about this conversation, I began to think of the men in the City Council's electric department. I suppose, and believe, they have much the same to put up with when lights fuse in a home—people ring up with all impatience as if the greatest hardship possible had happened. Great praise is due to these service men who waste no time in rectifying fuses as soon as the SOS call of "lights out" comes through. Whatever the weather, or whatever the hour, you soon hear their motor-bicycle pulling up outside your gate.

SORE THROAT?

Pulmonas

INVALUABLE PASTILLES

for

QUICK RELIEF



AS the wife of a dairyfarmer I listened with interest to the talk by the Hon. Mr. Perrelle on New Zealand goods last week. Mr. Perrelle asked us all to buy New Zealand goods, clothing, etc., and to stop New Zealand unemployment. To a certain point his argument may be sound, but I cannot go all the way with him. I remember that we dairyfarmers have to send the great bulk of our produce to Britain, as our farm lands produce far more than New Zealand can consume. If we don't buy from Britain through making here all the stuff that we require, how is the poor British workman going to get the money with which to buy our dairy produce—our wool, our meat, our leather and so on? It seems to me that we cannot have it all our own way. I don't pretend



to know very much about economics, but I have been told that trade depends upon the exchange of commodities, and if Britain manufactures at lower prices, and depends upon the sale of those manufactures for money with which to buy our foodstuffs, then it seems to me that we cannot make all our own goods without running some

danger of reducing Britain's capacity to buy our primary produce. What do other women think?—Mrs. B.

AMID much talk of the ousting of legitimate drama by sound film, it was refreshing to find so large and rapt an audience assemble to witness the plays put on last week at Wellington by the National Repertory Theatre Society, and one felt encouraged to predict a recrudescence of flesh and blood protagonists on "the boards" before so very many centuries pass.

The society showed commendable catholicity of judgment in its choice of the three plays presented, written by Mr. Galsworthy, Barrie, the well-beloved, and that ingenious satirist Mr. Gribble, respectively. In the fantastic fragment "Shall We Join the Ladies," although it could not be said that in point of acting Eclipse was

by jowl with her; and admirable were effective floral decorations, the whole arresting performance being carried out with meticulous attention to detail.

In the third play gorgeous splashes of colour hung on screen and wall, and formed striking background for languid leading lady, who, clad in kaleidoscopic colour, looked so much more exotic than lethargic temperament warranted. Her very earthly husband was acted in natural and extremely diverting fashion by Mr. Burns, who scored a distinct success, while Mr. Bown sweetly wilted as the inadequate lover. The verve and spontaneity of the exhortations of Mr. Morris Dunkley as the dramatist utterly failed to affect these dullards, and one hardly wondered at his spectacular suicide, in this travesty of those temperamental dark doings depicted and suggested by Continental writers of the pessimistic variety.

I may as well confess I was disappointed in Mr. Wauchop in "The First and the Last," remembering him as I do in a former Galsworthy play as the French vagabond Ferrand, a part that fitted him like a skin. As the eminent, villainous K.C., however, he was not happily cast. The work of Mr. Byrne and Miss Cooley was poignant and beautiful. An over-

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Youth

TREAD gently, for the cherries are in blossom
Like gossamer, aquiver in the sun,
So frail they seem that careless winds would crush them,
Tread gently, little one.

Tread gently, as you wander up Life's highway,
In radiant Youth, enraptured and aglow,
So fine a thing, a careless step would spoil it,
Tread gently, lest it go.

—A.N.I.C.

first and the rest nowhere, because each individual member of the cast played up delightfully, including butler and sweet-voiced maid, yet the palm must be given to Mr. Gillespie as the genial and terror-inspiring host. He looked, spoke, acted just as we felt that wily and imperturbable person would do, and his petrifying knowledge of facts others would willingly gloss over, the impertinent suavity with which he flashed his unwelcome attention upon those of his harassed guests whom he put under the screw of suspicion, were sheer delight. A mere female like myself could not but admire the noticeably charming dressing of this playlet, right up to the minute as it was, and attractively a la mode, especially in the length of skirt and décolletage. Long, graceful, sombre draperies worn by Miss Statham made effective contrast with the lovely gown of rose-colour worn by the agitated lady who, so to speak, sat cheek

stressed situation, touch of rant, some false indication of sentiment, would have ruined Mr. Galsworthy's tragedy of circumstance and environment; but there was nothing meretricious about the presentation, and the audience followed with tense attention poor Larry's ravings as he pictured the poor little rat of a man, wandering up and down, up and down, looking for food or plunder, and now suffering in his stead. In self-abnegation Larry writes his confession, and he and his poor Wanda, that soiled white lily of a girl who loved him, go hand-in-hand on their last long journey, saying farewell to the life and sunshine that had seemed within their grasp. Truly to these poor driven derelicts Mr. Galsworthy opens the door of our hearts; and the acting of Mr. Byrne, in artistic restraint aided by a voice of great charm, and of Miss Mary Cooley, in delicate pathos and appeal, were worthy of the dramatist.—The Minstrel.

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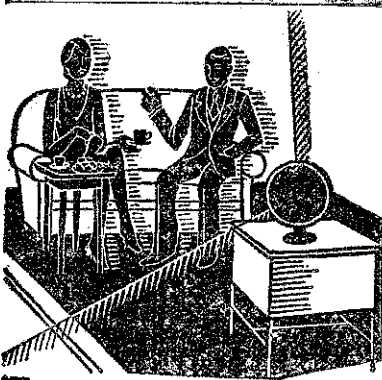
How to Fry Fish Nicely

FIRST wash and wipe your fish and thoroughly dry. Wrap in a clean cloth, and press out the moisture. Then dip in batter, egg and bread-crumbs, or simply flour. Now have a pan with plenty of clean fat. Heat until a blue smoke rises from the fat. Fry your fish until golden crisp. Drain thoroughly, and serve with sprigs of parsley and slices of cut lemon. If the fish is not properly dried it will be watery inside, or if the fat is not properly hot, instead of fish frying to golden crispness it will be soggy and greasy. Always cook fish well, as under-cooked fish is very indigestible and most unwholesome.

Fish Cutlets

Ingredients: 2 tablespoons mashed potatoes, 1 tablespoon thick white sauce, 1 cup cold cooked fish, teaspoon chopped parsley, salt and cayenne.

Method: Mix all together; form into cutlets with floured hands; dip each one into beaten egg, and then into brown crumbs. Put a piece of macaroni into each for a bone. Fry in deep boiling fat for five minutes. Drain on brown paper. Serve garnished with



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COUNSEL for the COOK

By "ELECTRA"

parsley and fried bread. If for luncheon it can be decorated with mashed potatoes.

Scrambled Fish

Ingredients: 1 cup cold cooked fish, 3 tablespoons of milk, 1 dessertspoon of butter, 1 teaspoon chopped parsley, 2 eggs, salt and pepper.

Method: Put milk, fish, butter and seasoning into the pan. Place on the fire and make hot; add egg, slightly beaten; stir until it thickens; add parsley. Serve on fried bread with cut lemon.

Oysters on Toast

Method: Make a thick white sauce with 3oz. butter, 3oz. flour, and 1 cup of milk and oyster liquor mixed. Chop small 2 or 3 dozen oysters, warm through in the mixture, and serve on hot toast (unbuttered.)

Roast Rabbit

TAKE a rabbit and soak it in salted water for 12 hours; wash it well in fresh water, drain and dry with a cloth; sprinkle the rabbit with pepper inside and out.

Ingredients: Take 3 cups of bread-crumbs, 2 onions, 1 teaspoon of sage, 2 teaspoons chopped parsley, 1 tablespoon of butter, 2oz. chopped bacon, cayenne, salt and pepper.

Method: Chop the onion and sage finely, cover with cold water, and boil 10 minutes. Drain well, and mix with the other ingredients. Stuff the rabbit, send up and place in tin. Lay some slices of fat bacon over it, and pour over some melted dripping. Lay a piece of buttered paper on top, and bake in a moderate oven about two hours. Baste very frequently.

Walnut Cake

Ingredients: 4oz. butter, 5oz. treacle, 8oz. flour, 4oz. chopped walnuts, 2oz. preserved ginger, 4oz. brown sugar, 1 teaspoon soda, 1 teaspoon ground ginger, 1 teaspoon mixed spice, 2 eggs, 3 tablespoons of milk.

Method: Beat the butter and sugar well together; beat in eggs (1 at a time); add treacle, and beat in the flour, ginger, and spice; add milk; mix in the walnuts. Bake in a tin lined with greased paper, about 1 hour.

Afternoon Tea Biscuits

Ingredients: 8oz. flour, 3oz. castor sugar, 4oz. butter, 1 egg, 1 teaspoon baking powder, few drops essence of almonds, about 2 tablespoons of milk.

Method: Dredge flour and baking powder, add sugar, rub in the butter, add essence; bind to a soft dough with the egg and milk. Roll out very thinly, brush top with white of egg,

and sprinkle well with castor sugar. Cut into small fingers; put on to cold greased tray. Bake in moderate oven. Time, 10 to 15 minutes.

Chocolate Pudding

Ingredients: 1 Granose biscuit, 1 egg, 2 tablespoons of sugar, 1 teaspoon of cocoa, 1½ cups of milk.

Method: Beat the egg slightly. Mix the sugar and cocoa together, and add a little milk to mix cocoa to a smooth paste, add to the egg; and a few drops of essence of vanilla. Break up the Granose biscuit, and add to egg mixture. Pour into a pie dish. Stand in a dish half full of water. Bake in a moderate oven till firm. Time, 30 to 40 minutes. Serve either hot or cold.

Scotch Broth

Method: Take 2lb. neck of mutton, and cover with cold water; add seasoning of pepper and salt. When boiling add one teacup of barley. Boil for half an hour, add the following (cut to small pieces):—1 carrot, 1 onion, 1 leek, ½ turnip, small bunch of herbs. Simmer for two hours. Take out herbs and add a little milk and 1 dessertspoonful of chopped parsley. Remove all the fat from the top and serve.

Vegetable Hints

PEEL potatoes very thinly, as the most nutritious part lies just under the skin. New potatoes skin

more easily if boiling water is poured over them.

Add a pinch of baking powder and a little hot milk when mashing old potatoes; this helps to make them lighter and also whitens them.

Wash and soak all green vegetables in plenty of cold water. The soaking takes away the strong flavour. Vegetables should be eaten daily, as they contain valuable mineral salts.

Stewed Sausages

Ingredients: 1lb. of sausages, 1 onion, peeled and sliced, salt and pepper, 1 cup of milk, 1 tablespoon of flour.

Method: Prick sausages, put in a pie dish, add onion, cover with boiling water, and cook in a moderate oven for 1 hour. Pour off the water, add milk and seasoning, bring to the boil, and thicken with the flour. Serve on hot dish. It is very tasty when garnished with small baked tomatoes.

Tomato Egg

HERE is a novelty. Peel some large round tomatoes, allowing one for each person; cut them into halves. Scoop out the centre of each half, leaving sufficient to make a firm case. Break an egg into each tomato, and sprinkle it with pepper and salt. A spoonful of rich white sauce over each egg is an improvement. Bake in a hot oven for about five minutes, until the eggs are set.

Paradise Pudding

Ingredients: 3lb apples, 3lb. bread-crumbs, 8oz. of sugar, 3oz. of currants, 3 eggs, the grated rind of ½ a lemon, salt, and nutmeg.

Method: Peel the apples and mince them; mix all dry ingredients together; add well beaten eggs. Put the pudding into a buttered basin, tie down with a cloth, and boil for 1½ hours. Serve with sauce.

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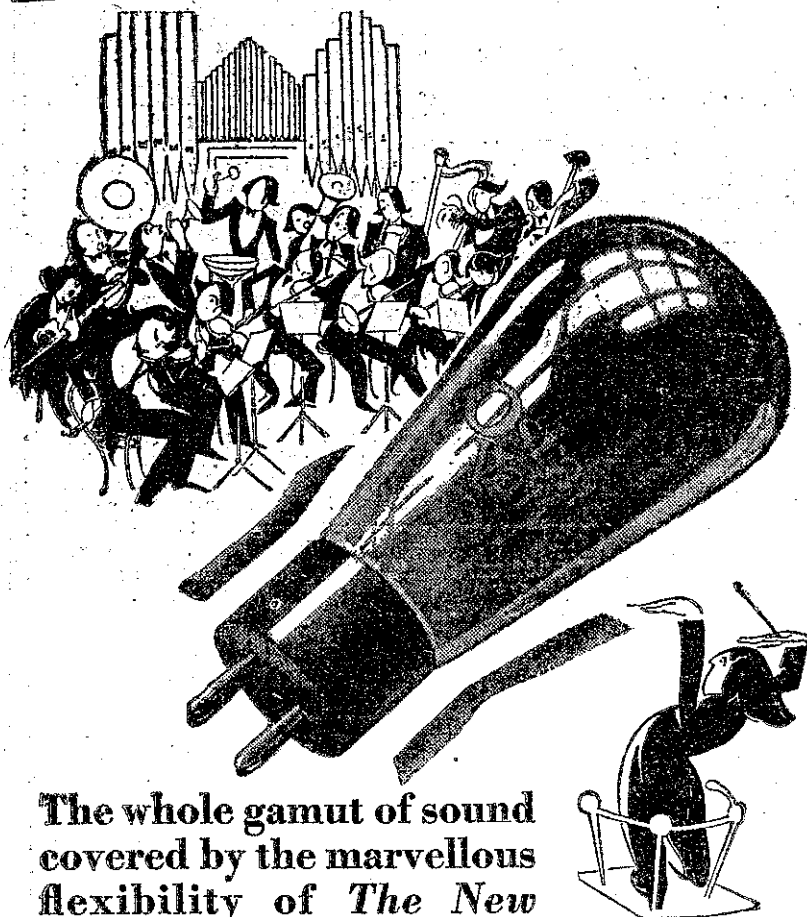
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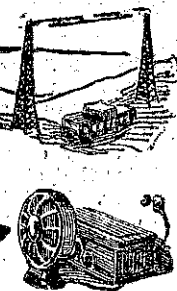
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VT2N

Radio Round the World



AN unoccupied motor-car, steered by radio from another car, recently made a successful tour of the principal streets of Barcelona. Surely a little unfair from the pedestrian's point of view. The same distance to jump, and no one to swear at!

A SYSTEM has been devised by the Entomological Office of the American Department of Commerce whereby the exit from the hive of each worker bee is recorded by means of a microphone, amplifier, and registering needle which duly imprints its mark on a sheet of paper. The bee-master may thus estimate the number of active workers in each hive. The number of stings will probably still be registered by the neighbours.

TELEPHONIC communication between an aeroplane flying above Buenos Aires and the White Star liner Majestic while nearing the English coast was successfully accomplished a few weeks ago. The plane's transmission was picked up in Buenos Aires, relayed on short-wave to Madrid, thence by landline to France, followed by cable to Rugby, where radio was again employed for establishing communication with the Majestic.

SOME months ago the wireless department of the Paris police overheard a conversation between a secret station in the North of France and a similar station in Paris. A request was made by the former that a certain message be conveyed to an American lady residing in the capital city. An investigation resulted in the discovery of three illicit transmitters, and proceedings were taken against the owners, not only for operating unlicensed transmitters but for the conveyance of messages for which the State holds the monopoly.

HEART disease was correctly diagnosed by a doctor in America, after a "radio" examination of the heart of a patient in Madrid. A microphone was placed on the sufferer's chest, and his heart-beats transmitted across the Atlantic to the listening doctor. Apropos of this, an English contemporary humorously asked: "Will the year 2000 see us, Robot-like, courting our sweet-hearts by means of graphs, records of pulse acceleration, and radio photographs of our heart action?"

The Chinese Government has made a contract with one of Germany's leading radio manufacturing firms for the erection at Nanking of one of the most powerful broadcasting stations in the world. It is expected to serve the whole area of the Chinese Republic. A group of prominent Chinese engineers has also been sent to Germany to inspect the stations of that country.

OCCASIONALLY instances occur of the reception of radio programmes by means of household utensils, kitchen stoves, and such like, but surely the most inexplicable occurrence is that recently quoted by an English contemporary. "Canon Peile, in a letter referring to the church at Bonavista, Newfoundland, remarks: 'The new church has a copper roof, and in wet weather this roof, somehow or other, catches the wireless waves from Canada and America. Standing inside, one can hear a confused mass of wireless programmes coming across the air.' It would certainly be a rather difficult business to concentrate on a sermon while a jazz vocalist was informing the congregation that she was "painting the clouds with sunshine."

"PIRACY" appears to be rife in Belgium, for though it is known that a quarter of a million sets are in use, only 10,000 licenses are in force. Drastic measures have recently been taken to cope with the situation. Failure to pay the license fee, which is only seven shillings per annum, is now punishable by a maximum penalty of 2000 francs and eight days in gaol.

A "BATTLE of the ether" appears imminent between the high-power station in Moscow and those in neighbouring countries who do not altogether appreciate the propaganda transmitted by Soviet Russia. It appears that Germany has formally protested against the messages broadcast on May Day from Moscow to the "Policemen and Soldiers of Germany," and Rumania has established a station which "jams" the Moscow station whenever it commences talking in Rumanian. A further development is a report that Russia is planning a super-power station, for the purpose of drowning the religious broadcasts from Berlin with the "Godless hour" from Moscow and preventing German settlers receiving Christian comfort from their fatherland. An English contemporary prophesies rather cynically that when international disarmament is accomplished war will still be waged in the form of "slanging" matches through the medium of higher and higher-powered stations.

WIRELESS plays a conspicuous part both as an aid and a hindrance in the detection of rum-runners, in the United States. On the one hand, we read of secret transmitters discovered by prohibition agents, and on the other of a sham SOS stating that the yacht in which the Mayor of New York was sailing was in peril. Every coastguard patrol cruiser steamed full speed ahead to the rescue—and for two golden hours the rum-runners proceeded gaily about their precarious occupation without interruption.