

PUBLISHED WEEKLY

THE RADIO RECORD



HOME JOURNAL

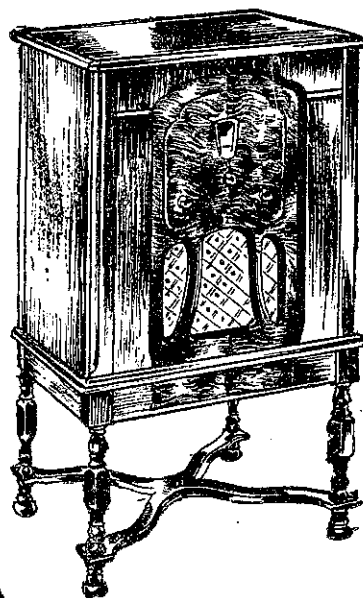
Vol. V., No. 33.

WELLINGTON, FRIDAY, FEBRUARY 26, 1932.

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WELLINGTON.

THE new Spanish Government has prohibited the use of radio receivers in prisons. The prisoners have protested against this decision.

THE American station WABC had the original idea of broadcasting on October 31 the deafening roar of Niagara Falls. A reporter walked with his microphone in the neighbourhood of the falls, and in this way the voice of the mighty Niagara Falls was heard throughout the world.



THE West Australian Radio Traders are inaugurating a Radio Exhibition for April, and a startling feature connected with the opening is promised. New stunts, features and surprises will be arranged, and in conjunction with the A.B.C. one of the best exhibitions yet staged in West Australia is forecast.

ALTHOUGH the new Australian Broadcasting Commission, which will take control of broadcasting on lines similar to those of the B.B.C., will not come into operation until July 1, 1932, already work is being found for it. The thorny question of the broadcasting of race descriptions has been left for the Commission to decide as one of its first tasks.

IN England the recent elections have given rise to a new legal problem. The results of the elections were broadcast by the BBC to the radio listeners. When doing so the BBC expressly stated, however, that this report was exclusively intended for the radio listeners, and was not to be published. Those who did this in spite of this warning by placing their loudspeaker in such a position as to render the reports audible to the public, or who passed them on by means of light projection or bulletin, have become involved in legal conflict with the BBC.

THE Polish Minister of Foreign Affairs, Mr. Zaleski, has sent on behalf of his Government a circular letter to all the States which are to

take part at the Disarmament Conference, in which they are requested to study the means by which friendly international relations can be re-established at any moment by means of radio. By this means sixty-four governments have been given an opportunity to make practical propositions in this respect. Poland, too, has taken the good initiative of coming to an agreement with Germany, by which the two countries promise to refrain from any political broadcast propaganda which might be detrimental to the other party.

THE effect of the B.B.C.'s gift to the British Treasury will not be felt till April, when some departments' expenditure will be cut by half; contracts for series of performances will be discontinued, and plays and revues will be produced twice to save authors' and rehearsal fees. Our informant suggests that British listeners may then prefer one good programme every evening to a choice of two poor programmes; and that the alternative programme system may be abandoned.

THE following interesting case occurred in America. A motor-car thief who had stolen a car in North Dakota, drove it to Winnipeg. The car was fitted with every imaginable convenience, and had also a complete radio receiving set with loudspeaker. The thief set this apparatus in operation, partly for his own pleasure and partly to enable him to follow any police reports which might refer to his sinister trade. Arriving at Winnipeg, a policeman on point duty stopped him unsuspectingly in order to show him a parking place. Just at the same moment the police radio reported the theft of the motor-car, stating the make and number, and this report was faithfully and loudly rendered by the loudspeaker in the car. It goes without saying that this report was followed with great interest by the policeman and that, after comparison of the stated number with the actual number of the car, the astonished thief was arrested on the spot.

FOR building a transmitting station the erection of the large aerial masts requires considerable sums of money. So it is quite natural that the English Marine Transmitter at Gibraltar has put to good use the high rock of Gibraltar as a support for the aerial. This rock is 400 metres high: the transmitter building is about 12 metres high and the aerial masts also 12 metres. The aerial wires are suspended between the top of the rock and these masts. As a matter of fact the power radiated in a southward direction is slightly absorbed by the rock; but as the rock contains no ores this absorption is relatively small; moreover, the radio traffic with the respec-

tive part of Africa is not so very busy, so that this slight drawback is of little consequence.

THE decision of the Board of New York Metropolitan Opera to allow its performances to be broadcast opens one more avenue to those interested in hearing good music "on the air." American listeners have been very fortunate of late in the musical programmes which have been presented and they are congratulating themselves that this new source—perhaps unique in the musical world for the perfection of its rendering—will shortly be available. The engineers at present engaged in installing the necessary equipment expect to have everything ready for the first broadcast early in January, 1932, if not before. When that occurs the New York Opera will join the Chicago Opera, which for some time past has permitted broadcasts of its performances.

A MOBILE broadcasting station 3YB has appeared in the country districts of Australia, giving a one-night programme in each of its stopping places. The station is a commercial venture, and is based on the belief that certain commodities such as sheep-dip and plough-shares are advertised better in the country than in the city. The station is housed in two motor vehicles, one equipped with the transmitter and the other fitted as a studio. Two collapsible steel masts, 40 feet in height, are carried, and these are erected 120 feet apart to support the aerial. There is a petrol engine for generating power, and the programmes are provided from 400 gramophone records, which may be supplemented with local talent. The indications are that the venture will pay its way.

THE "Yorkshire Post" reported recently the achievement of three officers of the Royal Canadian Mounted Police, who, at the outpost established at Bernard Harbour, in the Arctic, logged 300 stations with their set. It appears these policemen have heard all the stations of the Canadian National Railways from Vancouver to Moncton, New Brunswick, New Orleans, Miami, Tampa, Mexico City, and Havana. They picked up nearly all the British stations and a number of others, Germany, France, Spain, Norway, Sweden, Russia, Iceland, and even some from China and Japan, and from Brisbane, Australia. The set used was a super-heterodyne. The curious thing is that the report of this fine list of stations received was sent to Montreal and travelled most of the way by dog-sleigh. In all, the report took 185 days to travel from Bernard Harbour to Montreal.

THE British Broadcasting Company intends educating English listeners to listen more frequently to classical music, not by simply thrusting a stream of classical music on to the microphone, but by acquainting the listeners with the personality of the composers and by broadcasting radio plays in which the lives of great masters are dramatised, and which bring the listeners into the atmosphere of their music. The radio play "Chopin" broadcast recently obtained a big success with the listeners, and this has stimulated the BBC to prepare also radio plays referring to "Mozart" and "Haydn."



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Vinogradoff

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associated with

Cesaroni

Bulmas

Dillon

in

Grand Concert

from 2YA



CESARONI
Renowned Bass.

SELDOM before have been associated so many artists of outstanding ability in a 2YA programme. Great virtuosos have visited New Zealand; some have talked to listeners, but none broadcast their art. Now comes Vinogradoff, the great Russian pianist, who, since the age of eight, has given concerts the world over and who in latter years has been engaged in recording on music-rolls. He is a personal friend of Lucien Cesaroni, the well-known Italian maestro, and it is mainly through his agency that the great Russian pianist will broadcast.

On the evening of March 6, when this notable broadcast will take place Vinogradoff will have associated with him Lucien Cesaroni (bass), Aida Bulmas (soprano) and Mavis Dillon (pianist). The works of Beethoven and Mozart will predominate in the programme, while Chopin, Verdi, Koenemann and Luigini will also be represented.

Paul Vinogradoff was born in 1888, and already at the age of five began to show wonderful musical capacities.

In 1896, after two years' tuition from his mother, he gave his first concert, being at that time only eight years old. He met with great success, and that same year gave a series of concerts in the towns of Kalouga, Smolensk, Warsaw, etc.

In 1897 he was sent to Paris, where he entered the Paris Conservatory of Music without examination, and studied the piano under the tuition of the famous Professor Emile Des Combas. Nevertheless, owing to the fact that a foreign conservatory does not give any rights for Honours in Russia, he remained in Paris only for two years, and was removed from Paris to the Moscow Conservatory, where he graduated brilliantly in 1911 as a pupil of Professo K. Igumnoff. Then he began to prepare himself to become a pianist-virtuoso.

After having several concerts in Petrograd and Moscow he was offered the post of Director of the Tomsk Musical Academy of the Imperial Russian Musical Society. In this town he gave solo concerts and also

directed symphony concerts, in which many known artists took part, among them, for instance, the world-famous violincellist, Bogumil Sykora.

After remaining for two years in Tomsk, Vinogradoff returned to Moscow, but the political conditions forced him to take refuge in Vladivostock, where he opened his own Music School and continued giving concerts during four years.

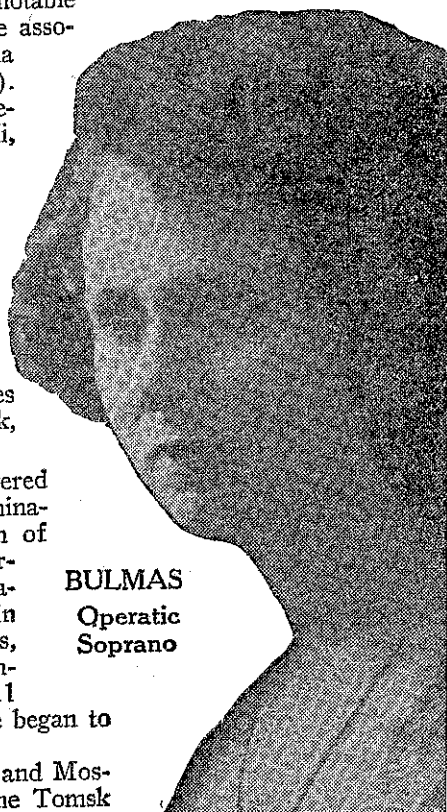
In March, 1921, he left Vladivostock and went to Japan, where he continued his successful concerts, playing many times in Tokio, Yokohama and Osaka, solo and with different artists.

WHILE in Japan—in 1923—Vinogradoff was destined to be an eye-witness of the great Yokohama earthquake. He had left the Specie Bank five minutes before the disaster happened, and in that building alone a thousand people lost their lives. At the moment of impact he was on his way home by train. His only excuse for escaping death was that at the moment of upheaval they were clear of most buildings which he could see falling around him like a pack of cards. To reach his wife he had to crawl over mountains of broken masonry, twisted wires and human corpses. Upon arrival at the place where his home was, he found none—it was razed to the ground and the debris on fire. His wife, however, was safe with other refugees in a field near by, but for two days they were without food and drink. At last foreign steamers came and took them away.

Continuing his brilliant career, Vinogradoff gave many recitals in Australia, as a solo pianist and as the conductor of the New Russian Chorus. Vinogradoff, during this time, broadcast from 2BL and other Australian stations. He gave many recitals in 1931, and it is from Australia that he has come to New Zealand to broadcast.

Vinogradoff's items on this programme are a piano solo—first part of the Sonata Appassionata (Beethoven) and a piano duet, "Concerto in D Minor" (Mozart). In this number he will be assisted by Miss Mavis Dillon, F.T.C.L.

The Beethoven Appassionata contains a wealth of melody of dramatic power and (Concluded on page 2.)



BULMAS
Operatic
Soprano

brilliance, which no doubt explains its popularity. In both the first and second subjects of the movement Beethoven builds largely on an arpeggio form. The first subject deals in unison with the voices at a distance of two octaves, investing mystery and character in what proves to be only the arpeggio of that minor. The second subject bears a striking resemblance to the first, just as in the famous Number 5 Symphony we hear throughout the movement, the fateful triplet figure. Beethoven no doubt intended this sonata to be played without a break so beautifully do the love scene and variations follow the first movement to give place again with dramatic suddenness to the breathless finale, ushered in with clanging, diminished sevenths, which no doubt sounded extremely modern in Beethoven's day. The striking coda carries its hearers breathlessly to the final arpeggios and closing chords.

SIGNOR CESARONI'S items include "In Questa Tomba," by Beethoven, sung and made famous by the Russian bass, Feodor Chaliapin. Being a dramatic song of imaginative interpretation, it is admirably suited for broadcasting. "He kneels before the tomb of his beloved; suddenly she appears in his vision and tells him, 'Let me rest in this cold tomb. Why, you have not loved me when I was with you in this world. Don't weep, your tears

are poison falling on my ashes. Ungrateful!!!"

With the last "Ungrateful" she disappears, and the final soft accords of the pianoforte describe the mysterious surroundings which only the great genius of Beethoven knew how to portray. Such an item is a monument of vocal literature.

"When the King Went Forth to War," by Koenemann, is another beautiful composition performed with great success by the inimitable Chaliapin. War is declared, the king leaves his country, triumphantly carrying with him the best wishes of his people. But Hodge, only a private, answers the call of his fatherland and bids farewell to his sweetheart and family, but without the pomp and honours of his king.

Battle is in progress; the king, well behind the firing line, gives his commands; but Hodge is in the first firing line defending the honour of his flag, and is wounded. The battle is won. The king is returning victorious and re-enters his city triumphantly amid great acclamation of his people. But—Hodge, mortally wounded, is carried with his companions only in time to die in his beloved birthplace, and in that cool night one could hear the distant sounds of the carillon, the everlasting honour of the hero.

SIGNORA BULMAS'S items include "Saper Vorreste," from "Masked Ball" (Verdi). Third act, "The Grand

Ballroom in the Governor's House." Reinhardt in vain seeks the governor among the masked guests. At last he meets the page Oscar, who, however, taunts him in the sprightly "Saper Vorreste" (You would be hearing). This singularly felicitous little scherzo is grossly out of tune with the vengeful Reinhardt's mood. He tells the page harshly, enough, that affairs of state make it imperative he should know the governor on sight. He is told that Richard is dressed in black with a red ribbon on his right breast.

"Knowst Thou the Land" (Beethoven), a well-known and popular soprano item rich in expression and admiration of the natural beauties of the land in which citrons and orange blossoms complete a perfect picture.

Violetta's "Romance," from final act, "La Traviata" (Verdi). Violetta's apartment. She is asleep on the couch.

The illness with which Violetta has been afflicted from the first has been intensified by these new developments, and she now lies upon what is to be her death-bed. The doctor comes with reassuring words, but they do not deceive her, and the doctor confesses to the maid that she has not long to live. Left alone she again reads a letter she has received from Germont, and then sings the beautiful "Farewell to the Bright Visions I Once Fondly Cherished."

Duet, Signora Bulmas and Cesaroni. Final duet of the opera "Rigoletto"

(Verdi). Rigoletto returns. He pays off the assassin and receives the sack with its gruesome contents. The murderer, fearing discovery, offers to throw the body into the river; but this is to be the revengeful jester's own special privilege. He bids Sparafucile begone. Left alone, he gloats horribly over his vengeance. He is about to drag the body to the river when he hears a sound that makes his blood run cold. It is the voice of the duke, in the inn, making fresh love to the charming Maddalena. At once he begins to tear at the sack, and, holding wide his mouth, he discovers the crumpled form of Gilda (his daughter). Though unconscious, she is not yet quite dead, and she revives under the night air just enough to bid him a last farewell. The duet which closes this strangely powerful work is a noble piece of music, the "In Heaven Above."

Children's Sessions

AT 2YA.

Monday: Uncle Jeff and Kipling Lady are going to take you all for a picnic to-night on the beach. There will be side-shows to visit, pierrots to hear, donkeys to ride, a little fairy play to see, surf bathing and the sea-gulls to feed. The boys can take their fishing lines, and the girls their dolls and buckets and spades.

Tuesday: Tweedledum is going to have a real boys' evening, so the girls need not listen to-night. The session will open with "The Bruin Boys," and this time they have done "The Wrong Lesson," and the result? Well, wait and see. We are to have Christopher Robin and The Laughing Philosopher (no, not The Policeman), and the little boy who will tell you all about things he is going to do "When He Grows Up."

Wednesday: Aunt Daisy with her "Cheerful Chirpers" to entertain you with plenty of choruses, bedside stories and a topical talk. Birthday Greetings as usual.

Thursday: Uncle George and Big Brother Jack have another Magic Lantern story for to-night. This time it is about "The Royal Mail," and there will be incidental music and choruses, not forgetting the Birthday Greetings.

Friday: Uncle Jim to-night and Maori Legend Man to entertain you with stories and jokes. There is also to be a scene from "Alice Through the Looking Glass," called "The Lion and the Unicorn," with the verses which occur throughout put to music. Miss Vera Boesley is bringing a little party of children to the studio, to act in this little scene.

Saturday: A Postage Stamp Evening to-night. Aunt Molly, Uncle Jasper, Valerie and Spot, with several little cousins, are going to take you for a trip round the world in sixty minutes via "The Stamp Album" Line. We will be able to hear the children in the countries we visit sing their own folk songs and National Anthems. Guess what place Uncle Jasper will choose to send Birthday Greetings to you all?

Sunday: The Children's Evening Song Service will be conducted by Uncle George, and assisted by the Children's Choir from St. Jude's Anglican Church, under the leadership of Mrs. Lewis.



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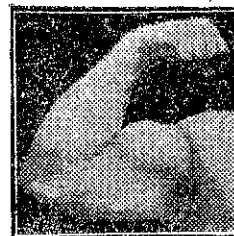
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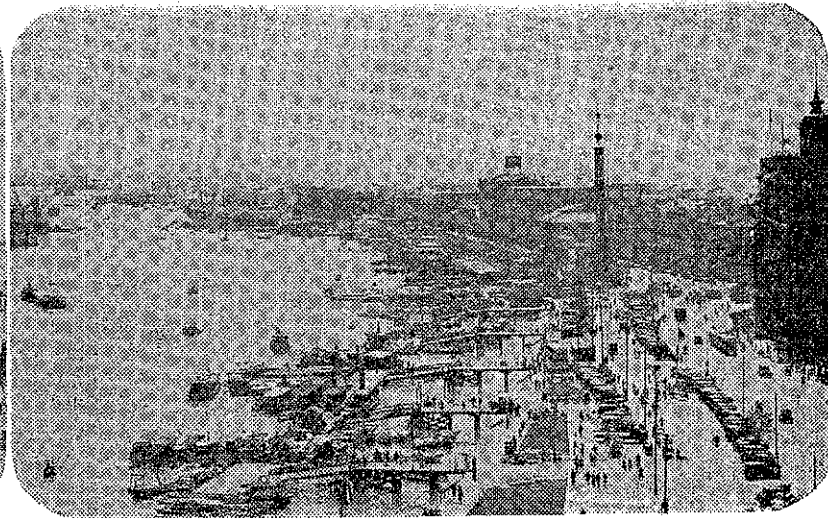
FULL ADDRESS

ALFRED J. BRITON

Dept. R.R., 107 PITT ST., SYDNEY, N.S.W.



Can the League of Nations Save



SHANGHAI?

AS the topic of the League of Nations in the Far East is a rather involved one, I would remind you of one very important fact: that neither Soviet Russia nor the United States of America is a member of the League of Nations. The League has suffered greatly in the past from this notable weakness, and its present task in the Far East is rendered all the more difficult because both Soviet Russia and the United States of America have vast interests in China. It would be folly for the League of Nations to act except in co-operation with the United States, and the extent of that co-operation must necessarily limit the action which the League Council may from time to time wish to take. Fortunately the United States Government has given the League Council every assistance, but there have necessarily been delays and difficulties.

Right at the outset, the Japanese Government objected to American participation in the meetings of the League Council, but the Council over-ruled this objection, and an American representative has since joined the League Council in its deliberations. The League of Nations has, therefore, been put to the test in a part of the world where many difficulties exist that would not be found to the same extent in Europe.

Every student of international affairs must admit that war between any two great countries must vitally affect the whole world. This is obviously so in any dispute affecting China, which has been the subject of economic exploitation for many years by the great Powers, all of which have important interests to preserve. There is scarcely a country in the world which will not feel acutely the repercussions of an armed conflict on a large scale in the Far East.

It must be remembered also that the League of Nations is purely a post-War creation, and has been built upon the determination of the peoples of the world to endeavour to prevent war. The foundation of the League is the sacredness of treaty obligations; in other words, the

by
Mr. A. C. Brassington
A 3YA Talk

belief of the peoples of the world that the nations will carry out their solemn public promises and agreements. The League can only function satisfactorily with the support of the great majority of the peoples of the world. It is a new machine, and will need many tests and alterations before it can work swiftly and successfully. One can at least claim this for the League of Nations, that whatever its imperfections, it stands for world-wide co-operation, as against war and the international anarchy that war brings. It is, therefore, to be expected that the men in control of this new machine will not adventure it rashly where it may be destroyed, but will prefer when in doubt to act prudently and cautiously, not advancing except where the course is clear.

WHAT, then, are the obligations of the Chinese and Japanese Governments in this crisis? Both are signatories of the Kellogg Treaty for the outlawry of war, and have solemnly agreed that the settlement or solution of all disputes and conflicts, of whatever kind they may be, between them, shall never be sought except by peaceful means. In 1928, years after the formation of the League of Nations, the Kellogg Treaty for the Renunciation of War, which is called also the Pact of Paris, was ratified by all the States of the world. [A printed card setting out the terms of the Treaty is posted up in every post office throughout New Zealand.] It is one of the shortest treaties in existence, and there can be no doubt about its plain meaning. It supplements the Covenant of the League of Nations and is binding at the present moment between Japan and China. Clause 1 reads as follows: "The high contracting parties solemnly declare in the names of their respective peoples that they condemn recourse to war for the solution of international controversies, and renounce it as an instrument of national policy in their relations to others." Both (Concluded on page 23.)

Editorial Notes

Wellington, Friday, Feb. 26, 1932

OF late much space has been devoted by some Christchurch newspapers to radio matters. Following the decision of the Board that it could not take immediate action on the request of Station 3ZC for temporary financial assistance, that station felt obliged to curtail its hours. This deprived Christchurch of morning and luncheon services, and created the situation that no radio reception was available in the City of the Plains until the YA station came on the air at 3 p.m. It is true that 2YA was available to those with suitable receivers who were well situated, but in general it is found that reception in the day time within the centre of the city is not satisfactory because of local noises. Strong comment upon the situation created accordingly has been made and the Board attacked on two grounds. First, for its alleged failure to provide morning and luncheon-hour services from either the local "B" station by giving financial assistance, or directly through its own local YA station; secondly, because it is claimed that the programmes given from 3YA have deteriorated, a particular complaint being the disappearance of the international programmes. While we sympathise with Christchurch residents in the withdrawal—temporarily only, we hope—of those morning and luncheon sessions to which they have been accustomed, we do not see that the Board can be held blameable for the immediate situation. We have pointed out already that the Board is still unaware of its capital commitments on the one hand, and on the other awaits that technical advice upon the best means of covering the whole area of the Dominion, which is an essential pre-requisite to consideration of the whole problem. The commission of inquiry into coverage has a big task ahead of it, and its report is vital to the Board before even a partial decision can be made on the related problem of financial assistance to "B" stations. The charge that the programmes from 3YA have deteriorated since January 1 is hardly one that can be sustained. A check of those programmes, and any comparison over any preceding period, will show two things: First, that the calibre of the local artists employed has definitely risen; and secondly, that a wider range of recordings has been given. It is true that the "international" programmes have disappeared. These programmes consisted of recordings from American radio stations. Some

of those items were good, but others on their intrinsic merit failed to appeal to many. Merit apart, however, the comment may be permitted that it is somewhat surprising to find the suggestion seriously advanced in these days of increasing Empire sentiment that American repetitions should be preferred to well-chosen British recordings.

IT is pleasing that radio matters are commanding popular attention in Christchurch. The more radio-conscious the community becomes, the better for the service. Criticism, so long as it is fair and with a constructive bias aiming at greater efficiency, is wholly desirable. At the same time that criticism should be permeated with sympathy and knowledge of the facts and circumstances surrounding the case. The interest being shown in Christchurch demonstrates the value now attaching to the radio service, and the keenness with which listeners in general discuss the Board's plans. On that point it is material to secure the fullest possible expression of opinion from the public, and as the period for the renewal of licenses is in the immediate offing, we suggest that the Board would find it profitable, both from a material and a policy point of view, to adopt the proposal advanced by many in the past, of taking a definite plebiscite upon radio matters. This task is one of magnitude, not only in the distribution and collection of the requisite forms but in analysing the replies to interpret the desires of listeners. It should be possible, however, to prepare a questionnaire which would yield much valuable information. Amongst the issues that could be submitted are: What is your favourite station? What type of receiver do you use, crystal or valve? What is your favourite session? What is your favourite type of item and, coming to a detailed analysis of programme items: What is your order of preference for the various classes of fare submitted? That information, duly analysed, would give a picture of desires in their proper proportions that would be of tremendous value to the Board in formulating its future policy.

NO plebiscite on any fully comprehensive basis has ever been taken in any Australian State. The task has been attempted and completed in European countries, and has given a reliable guide to the authorities on programme matters. The population of the Antipodes is wholly different in character, constitution and taste from that of countries in the Old World. Conditions are different; standards of education are different. How far those differences translate into variations in radio taste is a question that never yet has received a comprehensive answer. The programmes given to-day from all stations are simply based upon conceptions of taste. That they do achieve a great measure of popularity is a tribute to the excellence of the judgment with which they have been compiled. That is not to say, however, that an analysis of the actual predilections of the public would not reveal trends of taste which would make alterations desirable and effect a definite improvement in the service as a whole and its appeal to the listener.

THE time is opportune for such an inquiry. The Board is just entering upon its task. It is required to take a long view in formulating its policy. It would be wholly justified in endeavouring to secure a detailed analysis of the tastes and viewpoints of listeners before determining its procedure. Listeners would appreciate the opportunity of indicating their taste and offering their co-operation. Licenses are to be renewed at the end of March. There is time for a suitable form to be prepared, printed, and issued by the licensing authorities to each listener on his taking out his license. Promptly filled in and returned through the post office by a given date the ground would be laid for a useful analysis. It must be remembered that the preparation of such a questionnaire would in itself involve difficulties. It would be impossible to satisfy all tastes in the range of information desired. Broad schedules will have to cover classes where some enthusiasts would seek meticulous detail. Whatever schedules are submitted will be subject to criticism in some detail. In

the main, however, tastes could be accurately recorded. Analysis and subdivision of the thousands of papers returned would be a costly and possibly a lengthy job. Once done, however, the foundation would be laid for the future, and the Board placed in an impregnable position in determining its programme policy. If such a plebiscite can be taken, we are satisfied it would be welcomed by listeners, and would enable the non-vocal listener, like the silent voter at elections, to indicate his real preferences. As things are, it is possible for a vocal minority to secure undue expression of its opinion through the Press.

Advisory Council

Appointment Wanted

A PROTEST at the delay in setting up a radio advisory council has been forwarded to the acting-general manager of the Broadcasting Board by the North Taranaki Radio Society in the following terms:—"This executive views with concern the delay in the setting up of an advisory council as provided in the Broadcasting Act; the society is of opinion that such delay is prejudicial to the best interests of listeners, and submits with deference that the appointments as required by law as embodied in the Broadcasting Act should be made forthwith so that the council may function at the earliest possible date."

The society is also sending a letter to the board advocating a resumption of international musical programmes, which are considered better than "much that goes over the air from the YA stations under the guise of music or humour." The society considers that much of the criticism of recorded programmes comes from a critical metropolitan minority.

[As our editorial last week showed the delay lies in political circles, and not at the door of the Board. We understand the Council's appointment is expected at any time now.—Ed.]

England Wins the Four Million Race

SOME time ago we stated the number of listeners in England and Germany, which in both these countries was approaching four millions.

Owing to the recent hunt for non-registered and hence non-paying radio listeners organised by the English postal authorities the number of English listeners increased to such an extent that the four millions were soon surpassed, and Germany was even ousted with 200,000 listeners.

Coverage Commission Appointed

Mr. A. Gibbs and Dr. M. A. F. Barnett

REALISING that efficient reception is the first essential in a broadcasting service, the Broadcasting Board at its last meeting discussed the matter thoroughly, and decided to set up an expert technical commission to investigate and report on the best available means for providing the most satisfactory coverage for New Zealand. This decision of the Board met with the unanimous approbation of listeners.

The committee has now been appointed, the personnel, as announced by Mr. H. D. Vickery, chairman of the Board, being as follows:—

Mr. A. Gibbs, Chief Telegraph Engineer, Post and Telegraph Department.
Dr. M. A. F. Barnett, of the Scientific and Industrial Research Department.

More capable men could not have been selected by the Board, and a report of an essentially practical nature can be expected. Mr. Gibbs, as is well known, has been intimately associated with the broadcasting service since it began, and his experience and technical knowledge in all aspects of radio transmission and reception will be invaluable.

The committee has an order of reference which will permit of the widest investigation and the most comprehensive report, so that the Board should be equipped with the necessary data on which to base its technical policy for the future.

In its deliberations, the committee will take into consideration the experience of past years and recent developments overseas as well as in New Zealand, and due regard will be paid to such factors as: Distribution of population; topographical features; desirability of establishing relay stations and means of connecting same with distributing centres; practicability of having one or more national stations giving non-fading reception all over the Dominion; power of stations with a view to ensuring adequate signal-to-noise ratio, adequacy of existing stations in relation to power, modern features of design and quality of broadcast transmission.

It will be noted that outstanding points to be decided are:

- (1) Adequacy of the power of the existing station.
- (2) Practicability of one or more super-power national stations.
- (3) Desirability of relay stations in provincial centres.

It is the intention of the commission to visit the various parts of New Zealand and personally make investigations into conditions in those areas where reception is not satisfactory. Opportunity will then be given to radio societies and listeners generally to supply the commission with particulars concerning the difficulties under which they labour in regard to the reception of the present stations.

In announcing the setting up of the Commission, Mr. Vickery invites societies and persons desiring to make representations to notify the Board accordingly as early as possible so that suitable arrangements for taking their evidence may be made.

Mr. A. Gibbs

MR. A. GIBBS has had very considerable experience in radio and radio broadcasting matters. Associated with the science from its very infancy as District Engineer in Auckland and later in the Otago district, he saw the establishment of the Telefunken transmitters in 1911.

Coming to Head Office, Mr. Gibbs was, for a while, Deputy-Chief Telegraph Engineer, and in 1926 became Chief Telegraph Engineer. When broadcasting in New Zealand commenced in 1925 he took the keenest interest in it and in 1927 went abroad to the Washington Conference, where radio matters were looked into. Mr. Gibbs made a point of seeing the leading broadcasting stations and interviewing the most important radio engineers. The problems then being investigated were those of power and quality. It was realised that the power would have to be increased to overcome parasitic noises, and even at that early date stations had been licensed up to 50kw.

The modulation question was being gone into, but 100 per cent. modulation, which is the most economical method of radio transmitting, was not yet achieved. Weaknesses of the earlier types of stations were very fully revealed at this time.

One point of interest noted by Mr. Gibbs was that at one point just outside New York was a station similar to 2YA. Connected with it were 500 scientists and their staffs who were experimenting on quality, economy and range.

From America Mr. Gibbs went to England and investigated the systems there. With a wealth of information as to how improvements can be effected in New Zealand stations Mr. Gibbs has since taken the liveliest interest in broadcasting matters. The trans-Tasman was inaugurated and conducted under his jurisdiction. It is well known that this service employs some of the very latest ideas in radio transmission. The directional transmission such as employed in the trans-Tasman service may possibly be able to be used in the New Zealand service for, at the present time, a tremendous amount of energy is wasted by radiation to sea.

Mr. Gibbs has at his command a wealth of scientific literature appertaining to radio broadcasting, and it is kept up to date on all the most important broadcasting developments.

Dr. M. A. F. Barnett.

DR. M. A. F. BARNETT was born in Dunedin in 1901, son of Sir Louis Barnett, and graduate at Otago University, securing double first-class honours in mathematics and physics for the M.Sc. degree in 1923. He then proceeded to Cambridge and undertook a post-graduate research course at the Cavendish Laboratory, Cambridge, under Lord Rutherford.

From 1924 until 1927 Dr. Barnett was immediately associated with Professor Appleton on research connected with the height and properties of the Heaviside layer. From the results of the work carried out in this investigation, he was awarded the degree of Doctor of Philosophy, Cambridge University.

In 1927 Dr. Barnett was appointed as Physicist to the Department of Scientific and Industrial Research in New Zealand, and in 1930 was elected a Fellow of the Institute of Physics. Since coming to New Zealand he has established the Radio Research Committee of the Council for Scientific and Industrial Research, and has directed the researches which this committee has engaged in. Particular reference might be made in this connection to the tests carried out across the Pacific during the Solar Eclipse of October, 1930, when a carefully-planned scheme was elaborated to ascertain the effect of the eclipse on the transmission of wireless waves.

Dr. Barnett has also been associated with a number of very important physical investigations carried out by the Department of Scientific and Industrial Research in New Zealand. He has been associated with the whole of the cold storage investigations, and particularly with those relating to the transport of fruit and meat, and was attached to the British survey party, under the leadership of Drs. Griffiths and Vickery, during the whole of their investigations in New Zealand.

Dr. Barnett was also attached to the investigation which Professor Hornell conducted into the Arapuni power scheme problem. He has also participated in the seismological investigations which have followed on and resulted from both the Murchison and Hawke's Bay earthquakes, and, in this connection, has undertaken exploratory work which has thrown considerable light upon the physical nature of seismological conditions of the areas affected by these earthquakes.

As secretary of the Building Regulations Committee, set up as the outcome of the Hawke's Bay earthquake, Dr. Barnett has done valuable work in connection with the findings and recommendations made by this committee.

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Television on a Train

AN unusual television test took place recently on a train travelling at a speed of 70 miles per hour between Winstanley and Huntingdon, England. Transmitted from Brooklands Park broadcasting station, images of a dancer in the Baird Studios at Long Acre, London, were observed by ten television experts on the train. The normal Baird system was employed.

Jottings

2YA listeners will be interested to learn that Will Hancock, a popular tenor, and a member of the Etude Quartet, has been transferred by the U.S.S. Co. to Suva, where he will fill the position of manager. Mr. Hancock is to be congratulated on his promotion.

ON Thursday, March 17, 2YA will relay from Wanganui a St. Patrick's Day concert. A very attractive programme is being arranged.

Radio in Italy

DURING the last 16 months no less than 921 operas have been broadcast in Italy. Two hundred and sixty-nine of these works were taken from the theatre programme, whereas the remainder were performed in the studio. Further, 400 operettas and parts of operettas and 250 radio plays were broadcast from the studio.

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Really Mr. Howard!

Amazing Article by M.P.

IN the Christchurch "Star" of February 13, Mr. E. J. Howard, M.P., contributed an article, under the heading of "Control of Radio," dealing particularly with "B" class stations. In this article some statements are made that would be surprising, but perhaps excusable if they came from an ordinary member of the public. Issued by a member of Parliament they become extraordinary, and create wonder that a legislator can be so little aware of the exact effect of legislation passed.

The following are the statements made by Mr. Howard which do not square with a proper reading of the Broadcast Act as passed to the Statute Book. Mr. Howard says:

- (1) There is nothing in the Act giving the Minister power to buy any stations barring those stations owned by the Radio Broadcasting Company at the time of the passing of the Bill.
- (2) As a fact, the members of the Board have little power under the Act except to draw their salaries.
- (3) It is a part-time Board, and they cannot do anything without the consent of the Minister.
- (4) There is no power under the Act to help B class stations.
- (5) There is no power under the Act for the Board to buy the B class stations.
- (6) The Board cannot erect new stations apart from the stations owned by the Broadcasting Company.

What the Act Does Say.

IN contrast with the foregoing didactic statements let Clause 15 of the Broadcasting Act speak for itself:

"15. The functions of the Board shall be to carry on a broadcasting service within New Zealand on and after the first day of January, nineteen hundred and thirty-two, and to develop and improve such service from time to time; and for such purposes the Board may obtain licenses under the Post and Telegraph Act, 1928, for the establishment and operation of broadcasting stations, and may enter into agreements with the Minister pursuant to section two hundred and three of that Act for the payment to the Board of portion of the fees re-

ceived in respect of licenses in relation to wireless telegraphy. The Board shall have authority to carry on in connection with such broadcasting services any subsidiary business that in the opinion of the Minister is ancillary to the carrying on of such a service, and shall have all such other powers not inconsistent with this Act, as are reasonably necessary for the effective performance of its duties and functions."

That clause is the major one establishing the authority of the Board. It authorises the Board to "carry on a broadcasting service within New Zealand . . . and develop and improve such service from time to time." That authority is an all-embracing one. Under it the Board can do exactly what it likes in carrying out a broadcasting service. If it takes the view that the B class stations constitute a part of the broadcasting service it can, so far as the power to do so is concerned, buy every B class station in the country, or, alternatively, arrange for services, in whole or part, by every B class station in the country. It can also, if it wishes, establish new stations at any points it likes throughout the country. It has the power to do so. The governing factor, of course, in regard to the actual discharge of those actions is finance.

Statement by Minister.

DURING the debate on the Bill, the Postmaster-General, in reply to a question by Mr. Clyde Carr, said that the Board "could enter into negotiations with the B class stations, and take them over or assist them. It would be a matter of policy."

Mr. Harris asked: "Has the Board power to take them over?" and the Minister replied: "It has power to do anything it wishes in regard to the broadcasting system."

IN addition to carrying out the actual broadcasting service, the Board is given authority "to carry on any subsidiary business ancillary to the carrying on of such a service, and shall have all such other powers not inconsistent with the Act as might be reasonably

necessary for the effective performance of its duties and functions." On this last point it is true that the qualifying clause "in the opinion of the Minister" is inserted, but on the major issues the Board has the authority to establish stations and operate stations under direct license from the Post and Telegraph Department.

Only Three Restrictions.

THREE restrictions only are placed upon the Board as to what it shall not do. It shall not hold a dealer's license, this being a safeguard against the Board undertaking trading in wireless sets and so on.

It is prohibited, again, from entering into negotiations or any arrangements with any Government other than the New Zealand Government, and it is restrained from borrowing any money or mortgaging or charging any of its property or rights, except with the precedent consent in writing of the Minister of Finance—not the Postmaster-General.

Apart from these restrictions, the Board, under the Act, is given the all-embracing power of "carrying on a broadcasting service within New Zealand and of developing and improving such service from time to time." Within that scope it can administer its revenues, as derived from the licenses as arranged with the Minister, entirely in its own discretion. In view of the comprehensive nature of Clause 15, it is surprising, to say the least, that Mr. Howard should have written as he did.

Coils for the "Cathode"

WHILE winding the coils for the "Cathode Super," it occurred to me to make a small alteration in the connections to the pins on the oscillator coil to avoid the possibility of a short-circuit if the formers are inadvertently placed in the wrong holders. The point is perhaps a trivial one, but the alteration is easily carried out and tends to make the set more fool-proof. All that is necessary is to change the connection of the tap on the oscillator coils from pin 1 to pin 2 (Colvern formers). If the oscillator coil is then placed in the detector holder by mistake the H.T. is not shorted to earth.—I. McMillan (Christchurch).

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Recorded Programmes for the Empire

Details of Comprehensive Scheme Now Available



I recently announced the formation in Britain of a company aiming at supplying overseas radio stations with recorded British programmes. This organisation is "Colonial Radio Programmes, Ltd." While we think a better title, provided it were possible, would have been "Empire Radio Programmes, Ltd."—for that word "Colonial," surprising as it may seem to Home friends, is not popular in the Overseas Dominions—we hope the new organisation will fulfil a useful function. Offers from the new firm are already available in New Zealand and while actual business may not yet result, listeners may be assured that no opening of securing suitable overseas items is being neglected.

An article in "The Radio Times" of January 8 gives the following details:—

Dominion and Colonial listeners will not, after all, have to wait until 1933, when the new B.B.C.'s high-power shortwave transmitter will be completed at Daventry, to hear the voice of London.

A scheme has just been launched which will work in co-operation with and supplement the B.B.C.'s short-wave service. A new organisation, Colonial Radio Programmes, Ltd., has undertaken to transcribe electrically British programmes in this country, which will be distributed to Dominion and Colonial broadcasting stations all over the world.

In the summer of last year, while producing in the studios of the National Broadcasting Company, an official of the new company was greatly impressed by the possibilities of the circulation of programmes by the method now known as electrical transcription. Many of the smaller broadcasting stations in the U.S.A. are not associated with the networks of the great programme-supplying concerns, the National Broadcasting Company and the Columbia Broadcasting System. This is either because suitable land-line connections were not available or because the cost of maintaining land-lines over enormous distances was too high. By electrical transcription, however, complete programmes are recorded on either disc or film, and copies or prints of these programmes are circulated through the

ordinary postal channels to a large number of broadcasting transmitters.

Advantages of Recordings.

BROADCASTING by electrical transcription has a number of advantages:—

(1) The cost of each programme is shared among the stations through which it is broadcast, and thus a great saving is made in the running costs of individual transmitters.

(2) The listener is certain of obtaining a well-rehearsed and finished production, for should an artist fall ill his recording is only postponed, and the actual broadcast is not affected.

(3) Land-line expenses are avoided, since each station is supplied with a set of records.

(4) Programmes are available for broadcasting at any time of the day or night, and repeat broadcasts involve no extra expenditure.

(5) Artists are prepared to appear in the recording studio during the morning and afternoon for a lower fee than in the evening, when they would have to sacrifice other engagements to appear before the microphone.

It is by this method that programmes are now being circulated throughout a

great number of stations in the U.S.A.

Cannot be Detected.

IT must be clearly understood that technical arrangements make it impossible for the listener to detect that he is listening to a recorded programme. There is no break in the continuity, and extensive tests have shown that such a broadcast is often of a superior quality to an actual production in a studio, where accommodation and facilities are limited. It is possible that a number of these programmes distributed by Colonial Radio Programmes will be sold by Dominion and Colonial stations to local advertisers. For this purpose, a certain number of musical intervals are allowed in the programme, during which advertisers' announcements can be superimposed in the local studio.

American programmes electrically transcribed in New York are already being broadcast in New Zealand and other parts of the Empire, and it is the hope of Colonial Radio Programmes to supersede these with all-British programmes. An official of the company visited a number of the Dominions and Crown Colonies last year,

when he had discussions with broadcasting authorities, radio manufacturers, the Press, and Government departments controlling broadcasting. On all occasions he was informed that a great demand existed for British programmes throughout the Empire, which would help to strengthen the bond existing between the people of Great Britain and their brethren overseas.

Opening Overseas.

IT must be remembered that, to provide an efficient local service in the Dominions and Colonies, it would be necessary to have a great number of transmitters, which would involve heavy technical expenditure. The revenues of the broadcasting companies, therefore, which are often limited, are thus heavily drawn upon, and an insufficient sum is left to provide a programme service as good as might be wished.

Another difficulty with which the Dominion and Colonial broadcasting organisations have to contend is that of lack of artists. First-class performers are naturally more limited than in Europe and America.

By associating themselves with this scheme, stations overseas will be able to obtain first-class programmes at a cost far less than that at which they could possibly produce them in their own studios. A great number of difficulties had to be surmounted before the scheme could be drawn up on concrete lines. The greatest was that of international copyright. This has now been overcome, and arrangements have been made by means of which copyright fees will be paid in this country according to the number of stations over which each programme is broadcast.

Type of Programmes.

IT may be asked what relation this scheme bears to the B.B.C. short-wave service. The new transmitter at Daventry is intended to serve those listeners throughout the Empire possessing short-wave receivers. In this way, listeners out of range of the ordinary colonial stations on the medium band will be able to tune in straight to London. Numerous stations will also relay speeches of international importance and topical events from the London studio, but only during certain hours.

By electrical transcription all-British musical programmes will be available throughout the Dominions at any time of the day or night. These will be relayed by the local stations and, therefore, not picked up by those listeners equipped only with short-wave receivers. Colonial Radio Programmes intend to use only British programmes and British artists.

The majority of programmes electrically transcribed by Colonial Radio Programmes will consist of wireless plays, revues, vaudeville, and special musical events which cannot be obtained on ordinary gramophone records.

Music-Lovers' Competition

An Interesting Novelty

AN indication was given last week that a comprehensive competition of an interesting character was to be launched in the near future. It is now possible to give some further details concerning this innovation. The competition is to be called a "Music-lovers' Competition," and arose out of suggestions received by the "Radio Record" from time to time to the effect that a competition under this title would be appreciated. From the suggestions made a plan was formulated and submitted to the Radio Board. The Board and management, on going into the matter, proved very receptive to the idea, and willingly adopted the proposition as an innovation calculated to interest listeners and provide an attractive feature sustained over a number of weeks.

THE competition in brief provides for selections of approximately one minute each to be made from musical numbers and songs and given over the air from each station. The test is for the listener to identify these extracts and name them on a list to be kept till the end of the competition, when the full lists are to be sent forward in competition for the monetary prizes to be awarded. One competition will be held from each of the YA stations, i.e., 1YA, Auckland, 2YA, Wellington, 3YA, Christchurch, and 4YA, Dunedin. Different selections will be given from each station and each station will run on different nights, so that listeners who are particularly interested and feel confident of their musical ability will have the opportunity of listening to not only one station but all stations.

ORGANISATION of the competition is now proceeding, and fuller details will be given next week. As some assistance to listeners there will appear in each week's "Radio Record" prior to the competition a list of musical numbers from which the items to be actually given will be chosen. Competitors will be able to compete without reference to this list, but as the exact wording of a title is sometimes in doubt, the list is provided primarily with the idea of ensuring accuracy and facilitating entry. The competition will be open free of entry fee to everybody, with only two exceptions: namely, members of the staff of the radio stations and members of the staff of the "Radio Record."

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Comparisons are—?

WHAT a vast amount of difference exists between the A class and the B class stations. Time was when one tuned-in to 2YA he heard a most affable "Good-morning, everybody." Apparently this time has sunk into oblivion, and one is greeted now with a curt "Good-morning." Have our announcers been missing their daily dose? Has Mr. Go-o-o-d-night Man died a natural death? Now with the B class stations one is greeted with a cheery "Good-morning" or "Good-evening, everybody," whichever the case may be. To emulate Bendall one may joyfully say: "Give me the good old days," as far as A class stations are concerned. In conclusion may I exhort a little more joviality from our announcers and humbly request that Mr. Go-o-o-d-night Man be resurrected?—Fred J. Martin.

Gramophone Records.

THE gramophone companies are barking up the wrong tree when they attribute their diminishing sales to the broadcasting of their records. The real reason is that fewer people are buying gramophones, preferring a radio any day. Those that have both as a rule prefer the radio too; that is to say, they use their gramophones comparatively little. What records they do buy are not infrequently bought because they have been heard over the air. So I suggest that the real cause of diminishing record sales is the advance of radio itself, particularly its convenience compared to the gramophone, and not the broadcasting of records.—DX21A.

Praise for the Board.

RE all the letters condemning everything possible connected with radio appearing in the "Record," I would like to say that we are quite satisfied with the new board. We think the programmes have improved 50 per cent. A lot more humorous records are a pleasing feature. We think that 90 per cent. of the people writing to the "Record" have never been out of New



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

Zealand, or ever heard a programme in America or England, and when an up-to-date board tries to raise the standard of broadcasting, the 80 per cent. are not used to it and start squealing. If the "Goooooooood-night" is wanted, let us have it repeated 20 times at nine o'clock every night till everybody is sick of it. Even Uncle George is not free from criticism. Who will be next? In conclusion, Mr. Editor, I should like to say that if economy is needed in the "Radio Record," cut out anything, even the programmes, but increase the Mailbag Column tenfold; it is the one thing we look forward to weekly.—"Traveller."

Very Displeased.

I listened-in to the programme provided by station 2YA on Saturday, February 6, and must say that I was extremely disappointed with same. Now, Sir, Saturday night, under the Broadcasting Co.'s regime, was always a very pleasant night's entertainment, for it is a night when mum, dad and the kids all stay up a little later, and sleep in a little later the next morning, and therefore light and enjoyable

music is what is wanted. Therefore, Sir, we were extremely disappointed to hear, when we tuned in after 8 p.m., to find a loud voice telling us about the immortal works of Dickens, our exclamations were all the same, "To the dickens with lectures on Saturday night." In desperation we began to turn the dial, 3YA, relaying 4YA, extremely distorted and fading, 1YA rapid fade, so back to 2YA, and what

CHINESE-JAPANESE CONFLICT.

A TRANSMITTER at Shanghai transmits daily by means of radio telegraphy the latest reports on the Chinese-Japanese Conflict on a wavelength of 37,640 metres and with a power of 20 k.w.—Philips News Service.

did we get, another lecture! A gentleman with an extremely foreign voice telling us about "My experiences with the Bolsheviks." About twenty minutes of this and we had had enough, twiddled the dial again, and then back to 2YA in time to hear more about Dickens. This finished our entertainment for the night, and we went to bed, an extremely disappointed family with our night's entertainment. In conclusion I would suggest that a vote be taken on the type of entertainment provided on Saturday nights, and the same be forwarded to the Board, otherwise there will be many less licenses issued in the Marlborough district after March.—"Dial Twiddler."

Overseas Good-nights.

WITH regard to the "Good-night" announcement from the broadcasting stations, I am pleased to see the announcers making the best they can of the ordered curt "Good-night." As for New Zealand announcers having more personal levity than most countries is a mistaken idea. This is how KFI, Los Angeles, closes down at 8.10

p.m.: "Good-night, and pleasant dreams, from KFI, broadcasting on a frequency of 640 kilocycles on their 3582nd broadcast." A record, "Aloae oe" is then played, and as the music is going the announcer's voice is heard, spaced like this: This . . . is . . . K . . . F . . . I . . . now . . . closing . . . down . . . Good . . . night . . . From . . . K . . . F . . . I . . . DX 56M.C.

[M.C. denotes Marlborough-Canterbury.—Ed.]

Gramophone Records and Broadcasting.

YOUR informant who put forward the case as stated for the companies, in a recent issue, appears to be sadly out of touch with his own trade and to hold opinions contrary to those of the directors of the industry in England. The statement: "It is a popular fallacy to imagine that the broadcasting of records benefits their sale; exactly the contrary result follows by reason of the fact that they are broadcast," is diametrically opposed to the opinion of the chairman of the H.M.V. Company. This can be verified by looking up the report of that company for two or three years back. Further, I shall be pleased to hear that the larger companies are manufacturing records to retail at one shilling or eighteenpence. I can only conclude that Mr. Representative has misread or misunderstood the reference to cheap records in your issue of 5/2/32.

Last December an official of the Columbia Co. in England made the following statement to the Press: "We cannot keep pace with our orders for records, and we look like having to carry orders for about 100,000 over into the new year." An H.M.V. official, when approached, had the same cheerful story to tell. "For months they have been working day and night and seven days a week, and all their output has been sold. They are, in fact, only just catching up with the demand."

Can your correspondent reconcile this with his statements: "Every gramophone record manufacturer is suffering severely because of the fact that his market for records has almost ceased"?

I take an interest in this controversy as I am financially interested in the affairs of the H.M.V. people. Despite the broadcasting of records, I have no reason for dissatisfaction with the returns on my investment, and think, with the chairman of the board, that gramophone companies owe a lot to broadcasting.—A Country Listener.

"Take it or Leave it."

I AM disgusted with DX4T's remarks about Uncle George. If that is the only thing he can write about in the interests of broadcasting, I think the less we hear of him the better, and I hope that Uncle George (if he happens to see it), will place the letter where it deserves to be, namely, the waste paper basket. Now, about "crushing the announcer," as "Six Valve," Christchurch, says. 2YA has to us and many others lost that touch of friendship that existed when the Radio Broadcasting Coy. had control. The only thing to do now to prevent

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Over 9,000 to 25,000 Ohms, each	5/-	7/6	8/9
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"WHERE THE QUALITY GOODS ARE SOLD"

Burgess Batteries
are used in all
big events.

Why?

BURGESS
RADIO
BATTERIES

More Burgess
Batteries are sold
in New Zealand
than any other.

Why?

absolutely spoiling the trash that is handed out to us is to put the switch in the "off" position before the stations sign off. To us it sounds as if "well, that's what we have for you, take it or leave it." And then for a few men who perhaps have never seen a broadcasting studio to turn round and tell a man like Mr. Drummond how to go about announcing!!! Yes, Sir, "Six Valve" has expressed my sentiments on the present service very fully. If I had the option, I would certainly forward my 30/- to the B class stations in preference to the programmes the R.B.C. are dishing out.—"Disgusted" (Wanganui.)

District Petitions.

I AM another of the 6900 dissatisfied listeners, and would do all in my humble power to assist "Kaiwarra" his grouch. Our popular 2YA announcer seems too stiff-necked now that he is shackled to the Radio Board, not like our pleasant old friend in the least. Now that "Kaiwarra" suggests a petition to the "R.R." by subscribers sending in their names to have their old friend reinstated, how would it do

to have a petition from the various districts where we listeners are all interested, and sending in block petitions to Wellington. I have not heard one in the Far North who does not denounce or condemn the new rule, and am sure I could get more names here in favour of being wished our old good-night than the 100 who got in first. Cannot someone central organise whereby each town and country district could have a petition paper posted to an enthusiastic listener thereby getting a few thousand protests. I can guarantee to fill a large-size sheet up north.—Good Night and Wake Up People.

The High Horse.

SURELY the high horse of officialdom is being ridden to death when the personality of our announcer has been attacked. The genial feeling of fellowship existing between listener and announcer no longer exists and the cold "Good evening" or "Good-night" savours almost of a rudeness. Now, whatever our high official might think necessary for an alteration, we want our genial announcers just as they were with their own individual naturalness. Now that the renewals of our licenses are quickly approaching is our opportunity for action—that we cancel our licenses until the high officer of officialdom be removed from his stilts. The question has been much discussed here, and listeners think this line of action would be a capital one.—W.G. (Hamilton).

A Contrast.

IT is very nice to hear Brother Bill's "Hello, Everybody," instead of the curt "Good Evening" which the announcers have had to adopt lately, as the personal element is a great factor in radio entertaining.—A.J.B.

"Oliver Cromwell."

I WAS amazed to see the criticism levelled at the play of "Oliver Cromwell." To me it was wonderful, and the reception on our eight-valve set was perfect. Your correspondent S. K. Smith, and evidently his friends at Pahiatua (as the wording is practically the same), evidently do not like to hear unbiased history. Every actor in the play was superb, and I voted it quite the best evening's entertainment I have ever heard. "Oliver Cromwell" was given in the Technical College Hall here some years ago, as a descriptive lecture, and I was thrilled with his strong character. He was one of England's outstanding great men, at a time when the nation was groaning under the tyranny of Charles I, and the Archbishop of Canterbury, who sent any who dared to resist their policy or differed in religion to the Star Chamber, which meant imprisonment or even mutilation. I am sure that thousands of listeners would agree with me when I say that an evening like that is never forgotten, whereas one of the frivolous kind is just a night's entertainment with nothing of worth to remember it by.—E. Gwynn (Wanganui).

Criticism.

FOR the past few weeks I've been very interested in your Mailbag page. I've come to the conclusion that certain people must sit each night with pen and ink ready to register grumbles at the radio programmes. Every type of programme, no matter what it is, has been pulled to pieces and criticised, and

in some cases in a very paltry and spiteful manner.

These chronic grumblers appear to think that the staff and artists of 2YA have a personal grudge against their listeners, and take it out of them in the programmes. They don't seem to realise that all the people concerned put forward their best efforts to give general satisfaction to the greatest number.

I do not belong to 2YA—I'm just an ordinary—well, it doesn't matter.

For goodness sake let us be less critical. Times are bad enough without being made worse by hypercritical people searching round for things to grumble at.

And, anyhow, they say that one man's meat is another man's poison, so why not eat our own meat and let the other man have his poison if he likes.

I think it was Addison who said, "It is ridiculous for any man to criticise on the works of another who has not distinguished himself by his own performances."—E.M.L. (Wellington).

The Coverage Problem.

WITH regard to this vexed question of B stations, I'm a bit with "Put 2YA First" in his views. When you've formed a company to sell anything—records, radio goods, or rags—you take a risk of losing your good cash. If you've anticipated something that hasn't come off to keep your company out of the liquidator's hands then you're unlucky. There was an outcry from some of the B's some time ago for advertising rights to enable them to finance their stations. They didn't get the permission they required (for which the Lord be thanked), and so other avenues had to be explored. Mind you, I'm not referring to the whole—only to the trade B stations. The old R.B.C. rightly wouldn't subsidise them, so they may or may not have had an understanding to bump them out if possible, and substitute as the controlling body some kinder-hearted combination which would assist their profit-earning institution with a subsidy or else take over the dead horse and so relieve the owners of the job of burying it.

New Plymouth was a great dump for radio reception before the R.B. Co. realised 2YB was necessary! 2YA was fierce—yes, we know it is the mountain, and so are the others still, unless you've got a multi-valve set and A.C. handy. We're outside the service areas of the YA stations, and so are many other parts of New Zealand, excluding Wellington. How on earth they carried on and raised 30 bob for a license fee when they hadn't 2ZW to listen to gets me! Where does 2ZW get these super programmes that 2YA can't? The shrieks and wails of birds like DX4ZW, may be applauded by the other W's, but surely the country listener is entitled first to a service before that necessary alternative and super programme from 2ZW and others. I'm afraid I, with 99 per cent. of disinterested and not disgruntled listeners, will agree with the chairman of the Broadcasting Board when he knocked back the dealers and trade stations' representatives the other week with the reply that no fair-minded person would suggest that the town B stations should be subsidised to the detriment of the country stations.

It tickles listeners like me to hear how these B's give traders that daylight service—that desirable adjunct to the sale of radio sets. What's that got to do with it?

(Concluded on page 24.)

"MISSING WORDS" COMPETITION No. 2

IN PRIZES—"MUST BE WON"
£25 1st Prize £20, 2nd Prize £5

ALL YOU HAVE TO DO:—Each picture represents ONE English word. You find these words by reading what appears above each picture, which gives you a clue, and then refer to the picture for the "Missing Word." Now LOOK AT THE FIRST PICTURE, above it you will see "A few—" Look at the picture and you get "SHORT" as the "Missing Word," making "A few SHORT years have—" When you get to the last picture you get a statement about "The marvels of wireless." Hyphenated words count as one word.

Write in block letters under each picture the word you think correct. Sign name and address at bottom, cut out COMPLETE diagram and send, together with postal note for 1/- for one attempt, or 2/- for three attempts. (Stamps 1d.)

ONE ATTEMPT 1/-

ADDITIONAL for EACH 1/- sent. Stamps ONLY if P.N.'s unobtainable. Further attempts on plain paper. Sign each attempt. First prize for correct or nearest solution. Next prize in order of merit. Ties divide. Maximum three prize shares to one person. Prize money and sealed solution with this paper. May prize winners one week after closing date. Results published in this paper March 25th. Immediate result if 1d. stamped addressed envelope enclosed. SEND AS MANY ATTEMPTS AS YOU LIKE. COIN ACCEPTED IF LETTER REGISTERED. Each attempt AFTER three—6d. A prize distribution considered unsatisfactory by the promoters will be settled by another competition. The same word is not used twice under any picture.

Address Entries to:—
"MISSING WORDS"
COMPETITION
No. 2,
Box 665,
Christchurch.

Three Attempts 2/-

A FEW YEARS HAVE SINCE THE OF THE WIRELESS AT				
1 SHORT	2	3	4	5
WE ARE	BY ITS	ALREADY THE	FOR THE	HOLDS
6	7	8	9	10
MORE MARVELLOUS	IN	INCLUDING	THAT BEHAVE LIKE	AND PENETRATE
11	12	13	14	15

I Hereby AGREE to abide by the PUBLISHED DECISION, which is Final.
NAME R.R.
ADDRESS
ENTRIES MUST BE POST MARKED BY 5.30 P.M. THURSDAY, MARCH 10TH, 1932.

WINNERS COMPETITION "MISSING WORDS" NO. 1

Correct solution:—1 TIME, 2 PEOPLE, 3 BENEFITS, 4 SUNSHINE, 5 MONTHS, 6 SPENDS, 7 DAYS, 8 SEA-SIDE, 9 SWIM, 10 FISH, 11 HEALTH, 12 BETTER, 13 MATERIAL, 14 BASK, 15 FIT. The following entrants found all the words and divide £25:—Miss G. Bullen, Papakura; Miss V. Gubb, Papatoetoe; Mrs. J. Nelson, Cobden; G. W. Delbridge, Sal Street, Hokitika; B. Lane, 43 Halifax Street Nelson; Mrs. M. Baker, 4 Douglas Street, Dunedin; W. Miller, Bunnythorpe; June Palton, Sanatorium, Otaki; E. Tolan, Denniston; F. H. Smith, Waimate Valley; H. Smith, Normanby; Joan Harding, 48 Disraeli Street, Hawera; Mrs. G. M. Paul, 114 Campbell Street, Wanganui; C. Brebner, Bank of N.Z., Christchurch; Mrs. D. Reynolds, 336 Ferry Road, Christchurch; May Yardley, Duntroon; Mrs. S. Carter, Panmure; Mrs. H. Thompson, Grovetown; Miss I. Hare, 9 Lerwick Terrace, Wellington; Miss D. Zelnert, Te Rapa R.D.; Mrs. A. Whiting, R.D., Manutake.

Answers to Correspondents

- R.H.T.**—See the current "Radio Log" for details of 2CH. There is no 12P Auckland. 4ZP is on 1160 kc.
- 1230C**—Summer, November to March. You must use 2d on the dx note-paper. You have done well.
- "Bimbo."**—The addresses are sufficient.
- "Radio."**—Fear and Co.
- 91A**—Yes, that is good dxing.
- P.C. (Hammer)**—Can anyone supply the call sign of Marconi's yacht Ellettra? Many European stations do not have call signs.
- 35A**—Radio Corp. of the Philippines. Manila, Philippine Islands.

Identification Wanted

Station about 200 metres closed about 8 p.m.; mentioned "El Centre" or name

News and Views

—of the—

DX CLUB

like that, and also California call like KXS came in on Jan. 28.—"Bung."

4SE (?) heard on 1175 kc. at 1.30 a.m. Sunday, Jan. 24. At 1.45 announced time as 11.45 (two hours behind N.Z. summer time), and asked listeners to stand by. I did not pick it up again, and have not done so since. For whom am I mistaking this station?—R.I.T. (Chch.)

270m., 1110 k.c., on Feb. 13, at 1.20 a.m., a boxing match was being described between Hogan and Ryan, this one finished at 1.55 a.m. At 1.40 a.m. another match started, between O'Brien and someone else; this one finished at 2.5 a.m. when announcer gave his time as 10.5 p.m. Came in R4, fading badly. Feb. 7, from 4 a.m. till 6 a.m., station on 258m. (1160k.c.), foreign talk was heard between these times without a stop, was still talking when I shut off at 6 a.m. Came in R6.—DX64A (Mokau).

Station apparently testing, between 4.30 and 4.35 p.m., February 15. Music just audible, being the first side of the record, "Eleven more months and ten more days," played twice in succession. It came in on the same dial number as 4BII, Brisbane. I heard no announcement, as it closed down at 4.35.

Station every evening between 8 and 9 p.m. at the bottom of dial (550m.). English is spoken. There is always a

Dx Competition

THE following are the winners of the July-December DX competition:—

Morley Stafford, Pehiri—227 stations; Cup. R. A. Sutherland, Mamaku—168; Auckland D. Cert. George Inglis, Havelock North—116; Hawke's Bay. S. R. Ellis, Okato—187; Taranaki. J. P. Cowlishaw, Palm. N.—148; Wellington. W. T. Henley, Westport—149; Nelson-Westland. W. C. R. IBI, Blenheim—65; Marlborough-Canterbury. F. W. A. Barnett, Dunedin—100; Otago-Canterbury. J. L. Fraser, Mahana—145; Ellis Cup.

Full details appear in this month's "Radio Log."

lot of Morse, which makes it difficult to pick up the call. About R3.—Digger (Hamilton).

DX Topics

Dx Certificates.

IT would be a good idea to give a Dx card for the best log in every district, something like the Dx Club card. Everyone cannot expect cups, but all the same those who live in bad areas have not a chance in the Dx cups, but I'm sure a lot would be quite satisfied with a certificate with his name inscribed for the best log in his district. Could I get in touch with anyone who built the S.G.N.Z.R. 5?—"Bung."

[Why not enter your log for the district certificate?—Ed.]

Americans Heard.

FURTHER stations heard between the 14th and 18th: WABC, WMAQ, KMTR, XED (heard for the first time), XER, KPO, WBBM, KOA, KOIN, KFWB, KFVD, KDYL, and KDB. All these stations can be heard between the

hours of 7 p.m. and 8.30 p.m. WABC, New York City, has been coming in very well lately, and when closing down at 7 p.m. is generally R4-R5. XED, Reynosa, although very good on the 16th, has not been so good since. He signs off at 8 p.m. 4BH is one of the best Australians with me at present; it can be heard soon after 7.30 p.m.—N. Jenkins (Masterston).

[Thanks for the schedule; it has been incorporated in a list in the "Log."—Ed.]

No Cards for WGN.

A RECENT communication from WGN states that they have ceased sending cards or stamps.—36MC.

Effect of Wind.

HAS any dxer observed the effect of wind? I notice that 1YA and other stations in the north Island, come in at good volume with a southerly blowing. The South Island stations are received best with a northerly wind.—"Radio" (Wellington).

Communication from 3SH.

STATION 3SH sent a verification card and a letter. The following extracts will interest dxers:—"The delay in answering dx writers was occasioned while changing over from 3KU to 3SH, and I have a number of stamped dx requests which I intend to forward as soon as I can fit in the time. Assure the dxers that very shortly we will deluge the New Zealand mail with cards."—DX270C.

Size of Badges.

IN my opinion the club badge is rather on the large size, and may be one reason why some members do not wear it, especially if a member already has a badge on the lapel of his coat, as in my own case. I think the badge would be far neater and much more in evidence if it was made about the size of the dx sticker, and instead of the safety-pin type was replaced by a long straight pin, so that if necessary it could be worn as a tie-pin. As another example of size, take the New Zealand amateur transmitters' badge. 640C: I am interested in your information re 4ZL, Dunedin. I sent a report to this station about six months ago, and had given him up completely. You deserve a pat on the back for your offer to police the black-listed B stations in Dunedin. My last notes appeared as DX21W—probably the poor old printer's error—but all the same, DX21W must have got a shock when he beheld notes that he did not write.—DX81W.

Short-Wave.

RECEPTION has not been very good lately, static being very bad, but on Tuesday night I logged my first American, W8XAL, on 49.5 metres, at about R7, when he was at his best. On Wednesday evening I heard him again, and held him until he closed down at 6 p.m., NZM.T., and 11.30 p.m., same date, he was coming in fairly strongly. Also on Wednesday night I heard a foreigner just below him on about 49.25 metres, native music being heard, but the speech was foreign and I could not understand it. What station relays 3AR Melbourne? ZL2ZX has been coming in well here lately.—NZ119W (Marion).

[W8XAL, Cincinnati, Ohio, U.S.A., will find the station.—Ed.]

Don't forget to procure your copy of this month's "Log"—Special Call Sign Issue.

PRICE, 6d.

Booksellers and Dealers, or
Box 1032, Wellington.

HAMMARLUND-ROBERTS TOPS THE SCORE

Ellis Battery Cup won by Mr. Fraser

Everyone will congratulate Mr. Fraser on his very meritorious win, especially in view of the great perseverance which is displayed in DX tests.

We particularly appreciate Mr. Fraser's win, because his **HAMMARLUND-ROBERTS 4-VALVE**

was built by himself from a standard Kit Set and Instructions supplied by our firm, which has advocated H-R for many years now.

YOU can build a H-R, and though, naturally, we cannot guarantee that you can beat Mr. Fraser's "Log," we KNOW that your own H-R will prove absolutely satisfactory.

On a previous occasion, in open competition with all ELECTRIC and BATTERY SETS, some of which had more than twice as many valves as the H-R, Mr. Fraser WON A RECORD DX COMPETITION in the Nelson-Westland District.

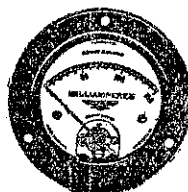
The H-R is the IDEAL BATTERY RADIO, because—

1. It is very simple, and anyone can build it. We can, of course, supply it complete also.
2. It uses ordinary valves, not the expensive Screen Grid Valves, which require extra "B" Batteries.
3. It is unexcelled for absolutely low running cost.
4. It is marvellously reliable.
5. It is wonderfully efficient—this is quite obvious.

For further particulars, write for our Free Radio List.

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QUESTIONS: ANSWERS

FRANK KEE.



difficulty of wiring it into the circuit and getting it to work properly.

3. Specifications for a short-wave frame aerial will be given.

C.E.A. (Pukerua Bay): We regret we cannot forward layout diagrams of sets which have not been described in the "Radio Record." Surely you can find a good two-valve receiver in either previous "Records" or the forthcoming "Guide." Watch for the "New Zealand Radio Times"; there are going to be some good circuits in that.

ACE (Wanganui): If your set will oscillate there is nothing wrong with your coils. The fact that you are receiving Morse stations appears to settle the question as far as oscillation is concerned, for a set cannot receive Morse stations unless it will oscillate. Try another radio frequency choke if you cannot receive broadcast stations well, and also be very patient with your tuning.

GREENHORN (Christchurch): There appears to be something wrong with your set, for you should be able to bring in at least Dunedin and Wellington. strong enough to be satisfactory. We

suggest you get in touch with the dealer who sold you the set.

R.W.W. (Nelson): You will find the address you want in the January "Radio Log."

DX28MC (Christchurch): Yes, your set has an untuned r.f. valve followed by two tuned valves. It is not surprising the volume control would not operate on low consumptive valves, as it is of low resistance, and consequent upon a small flow of current occasioned by the filament of the valves you are using the volume control has very little effect upon the voltage. The valve should, nevertheless, be almost as efficient as the one for which the set was designed. You should use 221's with a six-volt accumulator. You should be able to neutralise the set quite satisfactorily by starting at the valve nearest the detector and covering one filament leg with silk and adjusting the neutralising condenser nearest it, until the signals disappear, or almost do so. Then put that valve back properly and repeat the procedure.

2. To operate a "B" class transmitter you must pass an examination laid down by the P. and T. Department. For the syllabus write your local radio inspector. A Morse certificate is not necessary.

H.D.C. (Wanganui): Send us a working sketch of the cross-bar and we shall criticise it for you. We really cannot tell you very much from the scanty sketch you have sent. Send the specifications with it. Four pounds and a half is rather weighty, we think, and would put undue strain on the aerial mast.

The cost of becoming a member of the DX Club is 2/6, which is the price of the badge and certificate. We are sending you a circular concerning the club.

STUDENT (Wairoa):—Your valve combination appears to be quite a good one. We have not tried the actual combination ourselves, but we see no reason why it should not be equally as good as the one we specify.

CHOKE (Dunedin):—NX171 is exactly the same as a UX171, only the former is not made by the Radiotron Company but by a company under license to them.

2. Microphone bar amplifiers are quite out of date. Do not worry about them. You may go to a lot of trouble and be disappointed.

EARTHQUAKE (Karama):—We cannot locate the circuit of your set, but if the valves are not of the screen grid type we suggest you use 221 in all stages except the last, where you should use a power valve of the B605 class. We suggest that you have your valves tested. Consult "Radio Questions and Answers" for a possible solution for your trouble. There are many things that might be wrong with your set.

O.B. (Invercargill):—A dealer could tell you better than we the approximate cost of the Super Six. Alterations are not necessary in order to use a pentode, merely connect an auxiliary grid to "B." Specifications for a shortwave frame antenna are published elsewhere this week.

J.E.H. (Marlborough):—A battery charger could be worked very satisfactorily from a windmill. Write Johns, Ltd., Auckland, who will possibly be able to

help you. It is not practicable to replace the secondary battery with the Daniells Cell, which could be used for the "A" battery. Why not try an air-cell? That would be more satisfactory than going to a great deal of trouble in getting your accumulator charged.

BISHOPSCOURT (Dunedin):—Are you quite certain that it is an amateur transmitter who is worrying you? Get in touch with the local radio inspector, who will be able to help you. It is very rare indeed that the amateurs interfere with broadcast listening.

BUNG (Hamilton E.):—Yes. Yes. The wire didn't arrive.

W.H.B. (Onehunga):—Write R. E. Coury, Pitt Street, Raetihi, for further particulars.

C.H.G. Oamaru):—I have a grid coil tuned of 130 turns, of 28 d.s.c. tuned with a .0002 condenser. 4YA comes in at about 45, but I appear to be unable to get below 260 metres. Commercial Morse stations come in on the other end of the dial. How can I extend the tuning range?

A.: Take a large number of coils off your grid coil, say 15 to start with, then when you get 4YA p near one end, your range is about right. A correspondent has had great success with the "Eagle Five." Within three hours of building the set he logged 10 N.Z. stations, 20 Australians, and 3 Americans, about 260 metres.

2. Would a battery version of the super-het. shortwave converter be satisfactory with the "Eagle Five"?

A.: That is more than we can say; we believe it would.

3. In a case of motor-boating in a transformer and 2 stages of r.c. amplifier, would a 2 mfd. condenser across the "B+" supply be sufficient, or would resistances be required?

A.: Probably you would have to use de-coupling resistances. However, try the condenser and also try reversing the connections to the primary of your transformer. A different value in grid leaks in the r.c.c. amplifier will frequently have a very beneficial effect in overcoming motor-boating in an r.c.c. amplifier.

F.H. (Dunedin):—Since using an eliminator I cannot bring in outside stations with my four-valve B.D.

A.: You will have to borrow a voltmeter and check up the voltages of all your valves. It is possible there is something wrong with the eliminator. Have your valves tested.

XYZ (Napier): Yes, you can add another pentode providing it is in push-pull with the last one, certainly not following a pentode. You do not need a stage between a pentode and the detector.

A.V.N. (Grey County): Your battery should require charging about once a month.

ECONOMY THREE (Gisborne): Your request will be borne in mind and be dealt with either in the "New Zealand Radio Times" or in the 1932 "Radio Guide."

H.G. (Dargaville): We could give you a circuit for a stage screen grid to go in front of the Super Six, but we are not certain if the P. and T. would pass it. It is not sufficient to submit a circuit to them. One must give them a built-up receiver for test.

2. It is questionable whether an s.g. first detector would be worth the added

Mr. Radio Fan
Puzzled. Want the latest?
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N.Z.'s. OWN RADIO BOOKSHOP— LATEST ARRIVALS

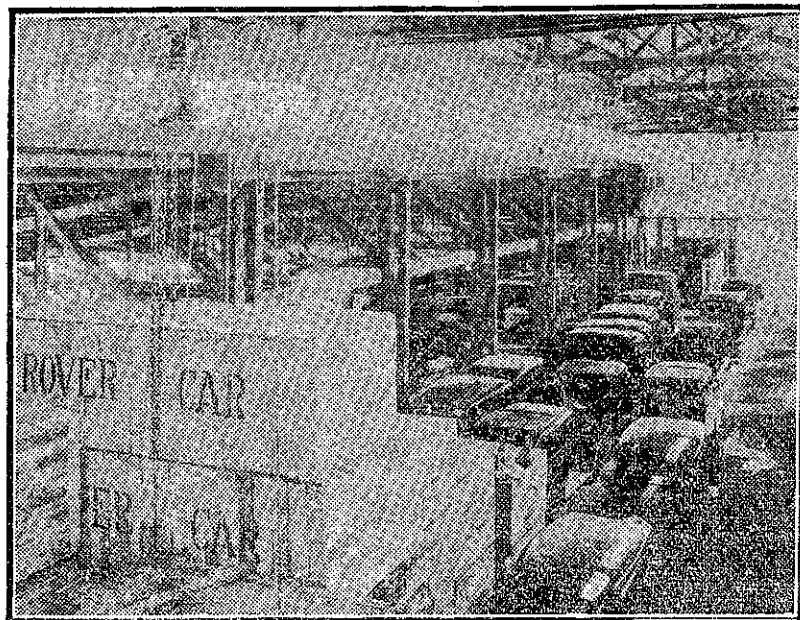
- "Radio Amateur Handbook" (Handy's 9th edition), 6/6.
- "Experimental Radio," by Ramsey U.S.A. (explains theoretical and practical points not hitherto published), 22/6.
- "Collins's Wireless Diary, 1932," 4/6 (on its own).
- "Radio News," Oct., Nov., Feb., 2/- each.
- "Q.S.T.," Sept., Oct., Nov., Dec., Jan. issues. 2/- each.
- "Aude's Radioman's Guide," 6/9. (Recommended for servicemen's exam. with "Modern Magic Carpet," 5/-).
- "Radio Amateur Call Book," 6/6. (Please note there is a rise of approx. 63 per cent. on all American publications, and don't blame us.)
- Scott's Broadcast Time Chart (including log and complete list of world's long and S.W. stations), 7d.
- "Wireless: The Modern Magic Carpet," by Ralph Stranger, 5/-. (New stocks just arrived—The "Radio Record" and Mr. Dawson, Phillips Lamps, say no set owner should miss this.)
- "Radio Call Book and Technical Review," (formerly Citizens' Call Book Quarterly), 2/-.
- Mack's List of World Short-wave Stations, 7d. (Don't miss this.)
- "101 Hook-ups" ("Radio News"), 2/11.
- "Radio Physics Course," by Ghirardi—revised and enlarged. Answers every question on Radio, Electricity, Television and Talks. First lot sold on sight. More stock arrived. 30/-.
- "Mathematics for Practical Man," by Howe. Simplicity itself, 10/9.
- "Radio: A Study in First Principles," by Burns, 13/- (Simple and clear).
- "Wireless Weekly," 32-page call-sign booklet for broadcasters, amateurs and short-wavers, 4d. (Useful).
- "Radio Log" (N.Z.), January, 7d.
- Special Short-wave issue ("Popular Hobbies") Complete list S.W. stations. New time conversion chart. Three special S.W. sets. 7d.—Rush it!
- "Elements of Radio Communication," by Morecroft, 13/-.
- "Direction Finding," by Keen, 27/-.

OUR LOCAL AGENTS:

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

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A general view of the interior of the assembly department. Lines of finished cars with N.Z.-built bodies stand ready for inspection in the foreground.

THOUSANDS of listeners were able, through the broadcast given by Station 2ZW of the opening proceedings, to listen to the function held at the Rover Company's Works at Petone on Thursday, February 18. The Prime Minister himself, the Right Hon. G. W. Forbes, P.C., was pleased, because of the special significance and importance of the occasion, to accept the special invitation to attend and formally open proceedings. His presence was a tribute to the importance of the event, and a recognition of the enterprise shown by this English company in founding the first British Overseas Chassis Assembling and Body Building plant in any part of the British Empire. Through radio, the inspiring speeches delivered were enjoyed by an extensive circle of 2ZW listeners.

VICE-REGAL MESSAGE.

HIS Excellency the Governor-General, Lord Bledisloe, sent the following congratulatory message:—

"I warmly congratulate the Rover Company of N.Z., Ltd., on its patriotic enterprise in establishing the first British motor car factory in the Dominion. I think that this pioneer venture, which I confidently believe to be of considerably economic significance to Great Britain and New Zealand, will fulfil the promise of its inception, and prosper exceedingly."

APPRECIATION OF NEW ZEALAND.

IN extending a welcome to the Rt. Hon. G. W. Forbes, Colonel Searle, Managing Director of the Rover Co., Ltd., Coventry, England, said that the reason that had prompted them to decide in favour of New Zealand was the patriotic British sentiment that prevailed. The main object of the Rover Company was to give the

"CONGRATULATIONS, ROVER"

First of the British motor car manufacturers to establish works in New Zealand, the Rover Company, Ltd., has shown an initiative paralleled only by its own achievement in turning out such a sturdy car on the graceful and utilitarian lines that so admirably suit it for the best and the worst New Zealand conditions.

New Zealander the car he required for New Zealand conditions, and at the same time employ as much New Zealand labour as possible. Most of the material used in body-making is produced locally, although, unfortunately, leather for upholstery has to be procured in England.

PRIME MINISTER'S APPROVAL.

MR. Forbes said that any industry which provided a good, serviceable, and substantial article and which helped employment would be cordially supported by the Government. The establishment of the factory was a step in the right direction. New Zealand appreciated the value of the trade she could do with the Mother Country. England was practically the Dominion's only market,

and it was right and proper to do everything possible to enable her to trade with this country. English car manufacturers had expressed their determination to regain the market, and it was right and proper to do everything possible to enable her to trade with this country. The English car manufacturers were determined to regain this market, which they regarded as rightly belonging to them, and which they had al-

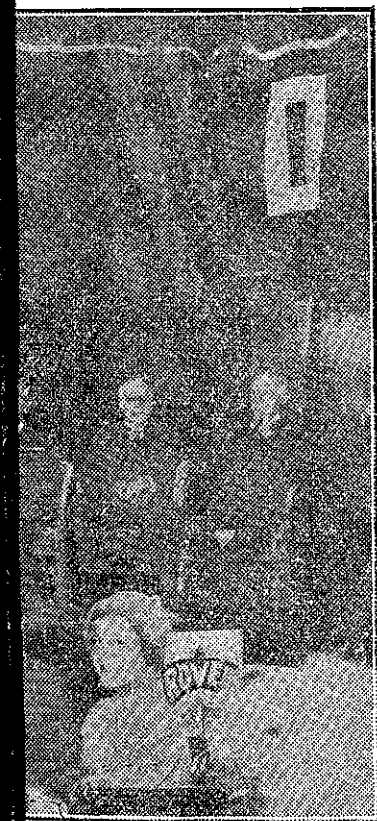


The opening ceremony. Centre:—Rt. Hon. G. W. Forbes, Prime Minister. On his right, Col. Searle, C.B.E., Managing Director of the Rover Company, Coventry, England. On his left Mr. Ernest Lewis, Managing Director of the Rover Company of New Zealand, Ltd.

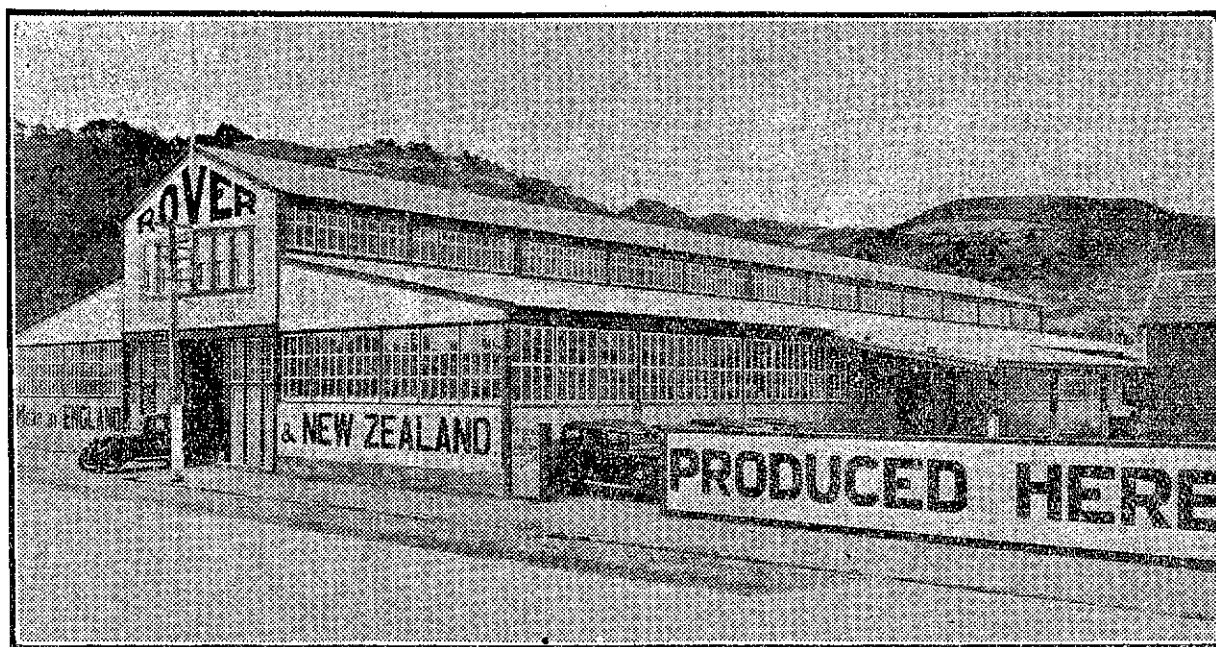
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the Minister. On his right,
Coventry, England. On his
of New Zealand, Ltd.



The exterior of the factory of the Rover Company of New Zealand, Ltd., at Petone. Here Rover chassis are assembled and the bodies built from frames of seasoned Southland beech.

lowed to be exploited by others. Possibly, to a certain extent, they had been lacking in appreciation of New Zealand's requirements. They felt that in coming here they had the advantage of the sentiment of the people, who recognised it was also sound business to trade as much as possible with the country that was taking their products.

That policy was on sound lines. Great Britain had given a practical demonstration of her intention regarding preference for Dominion products, and New Zealand appreciated that to the utmost. Those at home looked to New Zealand to reciprocate, and in these times, when competition was so keen, the fact that the units of the Empire were standing shoulder to shoulder in mutual trade would assist greatly in solving their difficulties. Mr. Forbes said that the Government was carrying out a policy of extension and encouragement of the Dominion's local industries, and expected, in return that they would give the best service, otherwise the protection they were enjoying might be curtailed.

Mr. Lewis, managing director of the Rover Co. of N.Z., Ltd., whose motor talks are so much appreciated by 2ZW listeners, paid a strong tribute to the loyalty and enthusiasm of his staff.

SENTIMENT PLUS BUSINESS.

A PART from the company being the first in the field, and of British origin, the considerable interest being shown in this company's operations is probably due to the popularity of the "Rover" talk from 2ZW every Thursday evening, coupled with the increasing number of new model Rover cars to be seen in every part of New Zealand.

The Rover people were amongst the first car manufacturers to prove to New Zealanders that the reasons why they should buy British cars lay more strongly in the material presence of quality in their car than in patriotism or sentiment on the part of the buyers.

It is true that there are many New Zealanders who, in the past, have bought commodities simply because they were British. That sentiment is intensified in these days, but, because of the difficulty of the times through which we are passing, it is coupled with definite judiciousness in expenditure and a desire to secure full value. Mixed with sentiment, therefore, is the determination to secure value and buy according to the capacity of the purse. The Rover Company, in seeking to establish itself in this market, has taken all those factors into consideration, and, because it looks for business entirely on merit—while still being glad of all goodwill that is possible because of British and Empire sentiment—it is certain that their future will be even more prosperous than is contemplated at the present time. The establishment of an actual factory in New Zealand to distribute British cars to the New Zealand public is an important move, and is certain to be followed by an assured and expanding trade for the future.

Feature Peeps

At

Future Programmes

SUNDAY

At 1YA

THE evening service conducted in the Baptist Tabernacle by the Rev. Joseph Kemp will be broadcast. The organist and choirmaster will be Mr. Arthur E. Wilson. This will be followed by a relay of the municipal Band concert in Albert Park.

2YA Notes

THE evening service to be conducted in St. Thomas's Anglican Church by the Rev. C. V. Rooke will be relayed. The broadcast of a studio concert will follow. The programme will be provided by the Ellwood Sextet, assisted by Mrs. Wilfred Andrews (contralto) and Ernest Glading (baritone). A number of selected recordings will be introduced.

Jottings from 3YA

THE service in St. Paul's Presbyterian Church will be broadcast, the Rev. Thos. Tait being the preacher. The after-church concert, which will also be broadcast by 4YA and 4ZP, will be contributed to by the Christchurch Salon Orchestra (conducted by Francis Bate), Evelyn Shephard, soprano (a visiting Dunedin artist), Belle Renaut (contralto), and Herb. F. Vincent, conductor of the Waimate Band and at one time champion cornetist of New Zealand.

Dunedin Topics

THE service to be conducted in Knox Presbyterian Church by the Rev. D. C. Herron will be broadcast.



AILEEN JOHNS

a prominent Auckland soprano, who broadcasts from 1YA on Sunday, March 6.
—Photo, Crown Studio.

MONDAY

Items from 2YA

OUTSTANDING features on tonight's "nature" music will be vio-

lin and piano recitals by Mrs. Nancie Holloway and Gladys Watkins, with vocal numbers by the Ariel Singers.

The Ariel Singers will present Liza Lehmann's beautiful song cycle, "The Daisy Chain," in the presentation of which they will have trio accompaniment.

Solos during the evening will include "The Call of Spring," to be sung by Jeanette Briggs, and "Give a Man a Horse He Can Ride," by J. M. Caldwell (bass) and "Yarmouth Fair," by Harry Brucey, tenor. Two Tuscan folk songs will be sung as duets. Another very interesting feature on the evening's programme will be a recital by Clodagh Russell, who was introduced to 2YA listeners on December 28. She will recite a series of short poems in a manner known as "verse speaking." The orchestral portion of the programme will be provided by the Orchestra.

3YA Programme

RESUME descriptions of the second day's play in the cricket test match between South Africa and New Zealand will be broadcast. The concert programme will be given by Derry's Military Band (under Mr. J. N. Scott), in association with 3YA artists. The popular Melody Trio will play instrumental trios which will please all tastes, Kathleen Bond (contralto) will sing a group of songs by Dr. C. A. Jarman, the Tasmanian composer and musician who has adjudicated at Christchurch and New Zealand musical festivals. Freda Juddkins, soprano, winner of the Violet Ward prize for gaining highest marks in the L.A.B. examination, and holder of the gold medal for the first time in New Zealand for singing, will be heard in Schubert's "Trout," "Wings" (by d'Hardelet) and Gounod's "Serenade."

TUESDAY

From Auckland

THE recorded programme will commence with "Mother Goose Suite" (by Ravel), played by the Concerts Colonne Orchestra of Paris. Artists to be heard include Robert Easton, Kubelik, Helen Kane, G. T. Pattman, Gladys Moncrieff, Hubert Eisdell, Will Fyffe, and Amelita Galli-Curci. Of special interest on this programme will be "Concerto No. 2 in F Minor," by Chopin, with Marguerite Long at the piano, accompanied by the Orchestre de la Societe des Concerts du Conservatoire, Paris. At 9 p.m. Mr. Frank H. Leonard will give the first of a series of four talks on "The Flags of the Nation."

Featurettes

Nature Music

2YA, Monday

Welsh Airs

4YA, Tuesday

Old English Folk Songs

1YA, Thursday

Items from 3YA

A RESUME of the cricket Test will be broadcast.

Dunedin Notes

THE Mosgiel Municipal Band, under Mr. James White, with Dunedin vocal artists and a number of recordings, will provide the concert programme. The band has arranged a well-selected programme. Quartets of a popular nature will be a feature of the vocal items by the Aeolian Singers. Solos will be broadcast by Noni Davidson (soprano), J. Ferguson (tenor), and L. H. Stubbs (baritone). Welsh airs will be featured and Welsh choral numbers will be introduced by means of recordings by a famous Welsh choir. Violin solos will be contributed to the programme by Eva Judd.

WEDNESDAY

1YA Selections

THE Chamber Orchestra, the New Zealand Four, and Rhona Spence will be the local artists on 1YA's programme. The recordings include numbers by Margaret McKee (whistler), Amos "n" Andy (humorists), The Savoy Orpheans in a novelty sketch entitled "London and Daventry Calling," and Conchita Supervia (soprano).

Jottings from 2YA

A RECORDED programme, featuring some of the world's leading artists,



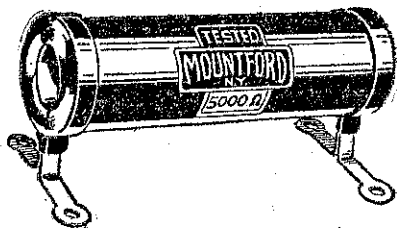
DENNIS JOHNS

will be heard in two recitals from 1YA on Sunday, March 6.
—Bell Studios, photo.

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LIMITED

Manchester and Worcester Sts.,
Christchurch.

will be broadcast by 2YA. Dr. Scholefield will give his weekly topical talk.

Features at 3YA

THE programme will be of a classical character. The Studio Orchestra will, under the conductorship of Harold Beck, play the overtures to Bellini's "Norma" and "Verdi's "La Traviata." Merle Miller, one of New Zealand's most talented mezzo-sopranos, will present a number of songs, including a solo from "La Boheme," "The Isle of Innisfail," and "One Morning Very Early." Some excellent recordings will be interspersed through the programme, and a Welsh sketch, "Owen Glendower," written by Miss M. Carrington (daughter of Dean Carrington, of Christchurch, who is at present finishing her education at Oxford), will be read by Mrs. A. M. Spence Clark.

4YA Jottings

AN orchestral programme by A. H. Pettitt's Octet, with solos and quartets by the Philharmonic Four and eloquent recitals by A. Gorrie will constitute the evening's classical entertainment.

THURSDAY

1YA Programme

THE midday service for businessmen will be relayed from St. Matthew's Church. On the evening's concert programme, the Broadcasting Choir will make its first appearance this year, singing a number of part-songs, including old English folk songs. To be heard in instrumental items and vocal solos on this programme will be Ida M. Moore (mezzo-contralto), Misses Marriage and Foster (in solos and duets), Cyril Towsey (pianist), and the Northern String Quartet. Two comedy sketches will also be presented by members of the choir.

Jottings from Wellington

THE programme will be contributed mainly by the Port Nicholson Silver Band under Mr. J. J. Drew. The numbers to be played will include the march "Punchenelle," the "Tanceredi" Overture, "Gems from Sullivan's Operas," the "Glow Worm" intermezzo, and the march "Dunedin." Some of the latest airs will be played by a guitar duo, Messrs. Berthold and Sullivan. Old-time songs and a comedy sketch will be among the recordings.

Notes from Christchurch

A PROGRAMME of recordings is scheduled. The selection will comprise items which will please all classes of listeners. The opening number will be Beethoven's famous "Battle Sym-



Three clever little performers who assist Aunt Pat at the 3YA children's sessions: Wynne, Claire and Lois Simpson, aged 9, 6, and 3 years respectively.

—Photo, Tilamars Studios.

phony," so rarely heard. It is played by the Berlin State Opera House Symphony Orchestra. At 9 o'clock a talk will be contributed by Mr. J. E. Strachan, M.A., B.Sc., headmaster at Rangiora, on "Storm Clouds in the East." Mr. Strachan has recently returned from an extensive tour of the East—China, Manchuria, Japan, Korea. While there he made an intensive study of conditions in those parts.

FRIDAY

Features from 1YA

DESMOND CASEY, boy soprano, appears on the programme, singing several ballads. Instrumental items will be supplied by Haydn Murray's Trio, the Watters-Rae Duo, and Robert McKnight, on the English concertina. "Lee Fore Brace," teller of sea stories, will be heard in "Marooned."

Items at 2YA

AT 7.40 Mr. K. C. James, the well-known representative wicket-keeper, will discuss the Test. This will be the first of a series of weekly talks by Mr. James. Nora Greene (contralto), Noho Toki (tenor), Douglas Stark (humorist), David Whisker (flautist), the 2YA Orchestra, will provide the concert programme.

Christchurch Notes

A VARIETY programme will be presented. Les Grummitt, piano novelty artist, will entertain with improvisations on song melodies. T. D. Williams, bass, will sing songs new to 3YA listeners. Items by Mrs. Winifred Andrews (contralto) will include

three of Drummond's "Songs of a Welsh Village." Helen Milligan, well-known in amateur theatrical circles, and who has recently had a great deal of experience abroad, including New York, will be heard in a sketch entitled "The General and the Charwoman." The Studio Orchestra, under Harold Beck, will play the "New Colonial" march, the "Jolly Robbers" Overture, "Katinka" (musical comedy) selection, and several other light numbers.

Features from Dunedin

THE programme will be of a miscellaneous type. Popular Scottish airs will be sung by Mrs. D. Carly (soprano). Baritone solos will be contributed by Mr. Noel H. North. A party known as the Radiettes will entertain with song and dance, and Mr. E. J. Andrews with xylophone solos. An orchestral programme will be supplied by the De Rose Octet.

SATURDAY

Notes from Auckland

DESCRIPTIONS of events in the Auckland amateur athletic championship meeting to be held on the Auckland Domain will be relayed.

A vaudeville programme will be presented for the evening, items being given by Don Tasker and Johnnie Madden, Tom Moffitt, Eric Waters and Ray Jury, Mati Trio and the Asquiths. Another new artist will appear, B. J. Watson, humorist and tap-dancer with English vaudeville experience.

From 2YA

THE relays from the second test will be continued. 2YA's week-end concert will feature the Melodie Five in two twenty-minute sessions, during which they will provide popular programmes of concerted and solo vocal numbers and novelty piano items. The balance of the evening's programme will be contributed by the Salon Orchestra (under Mr. M. T. Dixon), recordings and Mr. B. S. Merlin, late Major-General in the Czar's Army, who will speak on "Secret Service During the Great War."

Christchurch Topics

LIGHT vaudeville entertainment will be provided. The Salon Orchestra will present Strauss's "A Night in Venice" and "In a Clock Store" by Orth, also the "Gabrielle Suite" and "Mignon Gavotte." A singer for the first time on the air at 3YA will be Charles L. James, basso cantante, well known throughout New Zealand as a professional singer. He has for some years resided at Oamaru, where in local productions he has filled leading roles, both in opera and in oratorios. Tonight he will sing a popular ballad and two sea songs. A special vaudeville artist engaged for the evening will be Phil Smith, well known as a comedian and attached to the J. C. Williamson's companies for many years. Lottie Colville will be heard in soprano songs, and there will be numerous recordings, mainly of a novelty nature. The programme will be relayed to 4YA.

At intervals during the afternoon 4YA will broadcast descriptions of the Vauxhall Regatta.

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INVALUABLE PASTILLES for COUGHS COLDS 'FLU

Programmes for Week ending March 6

SUNDAY [February 28]

1YA (875 Kc.)—SUN., FEB. 28.

2.0—Selected recordings and literary selection.

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

7.0—Relay of service from the Baptist Tabernacle. Preacher, Rev. Joseph Kemp; Organist and Choirmaster, Mr. Arthur E. Wilson.

8.30—Relay of Municipal Band Concert from Albert Park (Conductor, Mr. George Buckley). March—"The Band, 'Knights of the King' (Ketelbey). Overture—"Martha" (Flotow). Cornet Duet—Messrs. J. Davies and F. Bowes, "Tyrolean Lovers" (Clemment). Selection—"The Band, 'Pirates of Penzance' (Sullivan). Piccolo—Mr. Hal C. McLennan, "The Wren in the Trees" (Adams). Nocturne—"The Band, 'Liebestraume' (Liszt). Selection—"The Band, 'Classica' (Montague Ewing). Reverie—"The Band, 'Traumerel' (Schumann). Hymn—"The Band, 'Stuttgart' (Anon.). March—"The Band, 'Holyrood' (Alford). Selected recordings.

10.0—God save the King.

2YA (720 Kc.)—SUN., FEB. 28.

2.0—Selected recordings.

6.0—Children's song service conducted by Uncle George and assisted by the children's choir from St. James's Presbyterian Church.

7.0—Relay of evening service from St. Thomas's Anglican Church, Wellington South. Preacher, Rev. C. V. Rooke; Organist and Choirmaster, Mr. W. A. Gatheridge.

8.20—Trio—Symons-Ellwood-Short Trio, "Gipsy Rondo" (Haydn). Violin—Miss Ava Symons with String Quartet, "Concerto" (Nardini). Baritone—Mr. Ernest Glading, (a) "Don Juan's Serenade" (Tchaikowsky); (b) "To-morrow" (Keel). Record—H.M. Coldstream Guards Band, (a) "Teddy Bears' Picnic" (Bratton); (b) "Down South" (Myddleton). Duet—Mrs. Wilfred Andrews and Mr. Ernest Glading, "Sweet is the Dream of Youth's Fond Hours" (Campana). Quartet—The Ellwood String Quartet, (a) "Nocturne" (Muted) (Debussy); (b) "Melody" (Rubinstein). Weather report and station notices. Record—Paul Godwin's Orchestra, (a) "The Spider" Intermezzo (Klose); (b) "Butterfly" Intermezzo (Schlenk). Contralto—Mrs. Wilfred Andrews, (a) with violin obligato, "Praises" (Herlitz-Viardot); (b) "At My Window" (Parker). Record—Grand Opera Company, "Il Trovatore" (Verdi). Cello—Mr. George Ellwood with String Quartet, "Air" (Bach). Duet—Mrs. Wilfred Andrews and Mr. Ernest Glading, "Over the Blue Waves" (Mendelssohn). Record—Humour—Will Hay and His Scholars, "The Fourth Form at St. Michael's" (Hay). Trio—Symons-Ellwood-Short Trio, "Eastern Romance" (Saint-Saens). Record—Tenor—Mr. W. F. Watt, (a) "Molly Bawn" (Lover); (b) "Oft in the Silly Night" (Trdltl). Trio—Symons-Ellwood-Short Trio, "Norwegian Dances" (Grieg). God save the King.

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3YA (980 Kc.)—SUN., FEB. 28.

2.0—Gramophone recital.

5.30—Children's song service by Children of Presbyterian Sunday schools.

6.15—Selected recordings.

7.0—Relay of service from St. Paul's Presbyterian Church. Preacher, Rev. Thomas Tait, M.A., B.D. Organist, Mr. Norman Williams. Choir Conductor, Mr. H. Blakeley.

8.15—Studio programme. Suite—Christchurch Salon Orchestra (conducted by Francis E. Bate), "Cobweb Castle" (Lehmann). (a) "The Owl's Turret"; (b) "Fly Away Ladybird"; (c) "By the Sundial"; (d) "My Lady's Jester."

8.25—Record—Jack O'Hagan, "My Desert Rose" (Terese).

8.28—Cornet—Mr. Herb. F. Vincent, Caprice, "Lucille" (Code).

8.34—Soprano—Miss Evelyn Shepard, (a) "A Lullaby" (Welsh air); (b) "Bre Since the Day" (Charpentier).

8.39—Record—Violin, Charles Williams, "Melody in F" (Rubenstein).

8.42—Orchestral—Salon Orchestra, (a) "Chanson Sans Paroles" (Tschalkowsky); (b) "Le Coucou" (Fischer).

8.51—Contralto—Miss Belle Renaut, (a) "Twas in a Land" (Chaminade); (b) "The Early Morning" (Graham Peel).

8.55—Record—Squire Celeste Octet, "Traume" (Wagner, arr. Willoughby).

8.59—Record—Monologue, "Will Kings, 'The Coward'" (May).

9.2—Weather forecast and station notices.

9.4—Record—Creatore's Band, (a) "Introduction and Moorish Ballet" (Verdi); (b) "Grand March and Finale" ("Aida") (Verdi).

9.12—Record—Duet, Winnie Melville and Derek Oldham, "Nocturne" (Chopin and Besly).

9.16—Cornet—Mr. Herb. F. Vincent, with Salon Orchestra, "Roberto Tu Che Adoro" (Meyerbeer).

9.20—Record—Descriptive, Raymond Newell, with Band, etc., "The Trumpeter" (Dix).

9.28—Ballet—Salon Orchestra, "Dance of the Hours" (Ponchielli).

9.35—Soprano—Miss Evelyn Shepard, (a) "A Birthday" (Woodman); (b) with orchestra, "The Dreary Steppe" (Grechmaninov).

9.40—Record—Organ, G. T. Pattman, "Jeanette" (Nicholls).

9.43—Record—Charles Hackett, "O Paradiso" (Meyerbeer).

9.47—Intermezzo—Salon Orchestra, "Carissima" (Elgar).

9.52—Contralto—Miss Belle Renaut, (a) "Blue Eyes" (Williamson); (b)

"A Song I Love" (Rubens); (c) "My Fairest Child" (Hill).

9.58—Record—Military Band, "Martial Moments" (Winter).

10.4—God save the King.

4YA (650 Kc.)—SUN., FEB. 28.

2.0—Selected recordings.

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

6.15—Selected recordings.

6.30—Relay of evening service from Knox Presbyterian Church. Preacher, Rev. D. C. Herron, M.A. Organist, Mr. C. Roy Spackman.

7.45—Selected recordings.

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

10.0—God save the King.

2YB (1230 Kc.)—SUN., FEB. 28.

7.30 to 8.15—Church relay.

8.15 to 10.0—Studio concert.

MONDAY [February 29]

1YA, (875 Kc.)—MON., FEB. 29.

Silent Day.

2YA (720 Kc.)—MON., FEB. 29.

10—Chimes. Selected recordings.

11.12—Lecturette—"Cooking."

11.37—Lecturette—"Health Hints or First Aid."

12.0—Lunch hour music.

2.0—Selected recordings.

3.30 and 4.30—Sports results.

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

6.0—Dinner music session.

7.0—News, market reports and sports results.

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

8.0—Chimes. Overture—2YA Orchestra (Conductor: Signor A. P. Truda), "Ruy Blas" (Mendelssohn).

8.8—The Ariel Singers—Trio, "Ye Shepherds, Tell Me" (Mazzinghi). Bass—Mr. J. M. Caldwell, "Give a Man a Horse He Can Ride" (Heed). Soprano—Miss Jeanette Briggs, L.A.B., "The Call of Spring" (Strauss, arr. Elkin).

8.17—Violin and piano recital—Mrs. Nancie Holloway and Miss Gladys Watkins. Programme of nature music. Violin, "Pastorale" (German). Piano, (a) "The Aeroplane" (Fanning); (b) "Gipsies on the Puzta" (Poldini); (c) "The Sea" (Palgren). Violin, "The Lark Ascending" (Vaughan Williams).

8.29—Recital—Miss Clodagh Russell, (a) "The Changeling" (Mew); (b) "The Drop of Water" (March); (c) "Overheard on a Salt Marsh" (Monro); (d) "The Strange Visitor" (Trdltl); (e) "The Little Creature" (De la Mare).

8.41—Record—Lever String Quartet, (a) "Gavotte—Transcription" (Gluck-Brahms, arr. Weiner); (b) "Barcarolle—Transcription" (Tchaikowsky, arr. Weiner).

8.47—Song cycle, with trio accompaniment—Ariel Singers, "The Daisy Chain" (Lehmann). Part 1—Quartet, "Foreign Children." Contralto, "Fairies." Baritone, "Keepsake Mill." Soprano, "If No One Ever Marries"



NATURE MUSIC

A 2YA Programme for Monday March 6

The Aerial Singers in
"The Daisy Chain" (Lehmann's beautiful song cycle).

Solo Items by
Jeanette Briggs, J. M. Caldwell, Harry Brucey.

Recital by
Clodagh Russell.

Musical Numbers by
The Orchestrina.



Me," Tenor, "Stars." Quartet, "Seeing the World."
 9.1—Weather report and station notices.
 9.3—Violin and piano recital—Mrs. Nancie Holloway and Miss Gladys Watkins. Piano, (a) "The Bees' Wedding" (Mendelssohn); (b) "The Lotus Flower" (Niemann); (c) "West Wind" (Somervell). Violin, "Rondo" (Spring Sonata) (Beethoven).
 9.16—Song cycle, with trio accompaniment—Ariel Singers, "The Daisy Chain" (Lehmann). Part 2—Quartet, "Blind Man's Buff." Contralto, "The Ship that Sailed into the Sun." Soprano, "The Swing." Baritone, "Mustard and Cress." Tenor, "The Moon." Quartet, "Thank You Very Much Indeed."

9.30—Record: Humour — Wish Wynne, (a) "An Embankment Impression" (Wynne); (b) "Bluebeard" (a bedtime story) (Wynne).
 9.36—Instrumental — 2YA Orchestral, (a) "Le Lac Des Cygne" (Tschalkowsky); (b) "Slumber Song" (Squire).
 9.44—Tenor—Mr. Harry Brusey, "Yarmouth Fair" (Warlock). Duets—Misses Jeanette Briggs and Ngaire Coster, "Two Tuscan Folk Songs" (Caracciolo), (a) "A Streamlet Full of Flowers"; (b) "Nearest and Dearest."
 9.52—Waltz—2YA Orchestral, "Mon Reve" (Waldteufel).
 10.0—Dance programme.
 11.0—God save the King.

3YA (980 Kc.)—MON., FEB. 29.

12.0—Description of South Africa v. New Zealand test cricket match from Lancaster Park.
 5.0—Children's hour, conducted by Uncle John.
 6.0—Dinner music session.
 7.0—News and reports.
 7.30—Talk—Mr. R. W. Marshall, District Manager N.Z. Tourist Department, "Tourist Resorts."
 8.0—Chimes—Programme by Derry's Military Band (conductor, Mr. J. N. Scott) and 3YA artists. March—Band, "The Last Stand" (Myddleton). Fox-trot—Band, "Moonlight Saving Time" (Kabal).
 8.10—Record—Light Opera Company, "The Belle of New York" (Kerker).
 8.16—Instrumental — Melody Trio, "The Merry Widow" (Lehar).
 8.25—Soprano—Miss Freda Judkins, (a) "The Trout" (Schubert); (b) "Wings" (D'Hardelot).
 8.30—Record—Banjo—Olly Oakley, "Nigger Town" (Morley).
 8.33—Waltzes — Band, "Viennese Waltzes (Romberg) (arr. Scott).
 8.40—Record — Humour — Harry Hemsley, "Lather Father" (Hemsley).
 8.43—Record — Piano — Lee Sims, "Rockin' Chair" (Carmichael).
 8.46—Contralto — Miss Kathleen Bond, (a) "Rhapsodie"; (b) "Nocturne" (Jarman).
 8.51—Record — Roy Smeck's Vitaphone Trio, "Broken Hearted Waltz" (Kenny Little).
 8.54—Record—Bass — Noah Beery, "One Little Drink" (Clarke-Akst).
 8.57—Overture — Band, "Mirella" (Gounod).
 9.6—Weather forecast and station notices.
 9.8—Violin—Miss Norma Middleton, "My Treasure" (Trevalsa). Instrumental — Melody Trio, "Serenade" (Henry Ern).
 9.15—Record — Eveready Hour Group, "Down South" (Myddleton).
 9.19—Oriental Tone Picture—Band, "In Old Thibet" (Selhars).
 9.29—Soprano—Miss Freda Judkins, "Serenade" (Gounod).
 9.33—Record—Banjo — Olly Oakley, "Campdown Carnival" (Marley).
 9.36—Record — Comedian — Harry Hemsley, "Misery Farm" (Wallis).
 9.39—"Cello—Mr. Hamilton Dickson, "Lullaby" (Cyril Scott). Instrumental — The Melody Trio, "Les Millions D'Arlequin (Drigo).
 9.46—Mazurka Militaire — Band, "Sabre Au Clair" (Missa).
 9.51—Contralto — Miss Kathleen Bond, "There's a Spring;" (b) "Cradle Song" (Jarman).
 9.56 — Record — Novelty — Roy Smeck's Vitaphone Trio, "Rocky Mountain Lullaby" (Leeking).
 9.59—March—Band, "Hands Across the Sea" (Souza).
 10.4—God save the King.

8.22—Popular Concert — Brunswick Salon Orchestra, with Vocal Quartet: (a) "Song of the Bayou" (Bloom); (b) "Song of the Riveter" (Schwartz).
 8.30—Octet—J. H. Squire Celeste Octet, "Putting the Clock Back" (arr. Squire).
 8.38—Selection—Philadelphia Symphony Orchestra, "Toccata and Fugue in D Minor" (Bach).
 8.46—Soprano—Elena Danielli (with violin obbligato): (a) "Angel's Serenade" (Braga); (b) "Song of Mourning" (Massenet).
 8.52—Selection — Debroy Somers Band, "Stealing Thro' the Classics" (arr. Somers).
 9.0—Weather report and station notices.
 9.2—Selection—The Court Symphony Orchestra, "The Three Musketeers" (Frml).
 9.10—Violin—Tossy Spiwakowsky: (a) "Tambourin Chinois" (Kreisler); (b) "Caprice XX" (Paganini-Kreisler).
 9.18—Waltzes—International Concert Orchestra: (a) "The Skaters" (Waldteufel); (b) "Estudiantina" (Waldteufel).
 9.26—Tenor—Browning Mummery: (a) "The Dream" (Massenet); (b) "No. Punchinello, No More" (Leoncavallo).
 9.32—Selection—Gil Dech and His Orchestra, "Turned Up" (O'Hagan).
 9.38—Contralto—Essie Ackland: (a) "Melisande in the Wood" (Goetz); (b) "Time's Garden" (Thomas).
 9.44—Marches — Vienna Philharmonic Orchestra: (a) "Turkish March" ("Ruins of Athens" (Beethoven); (b) "Turkish March" (Mozart).
 9.40—Piano — Wilhelm Backhaus, "Caprice Espagnole" (Moszkowski).
 9.54—Selection—Jack Payne and the B.B.C. Dance Orchestra, "Say it With Songs" (de Sylva, Brown, Henderson).
 10.1—God save the King.

2YB (1230 Kc.)—MON., FEB. 29.

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

TUESDAY . [March 1]

1YA (875 Kc.)—TUES., MARCH 1.

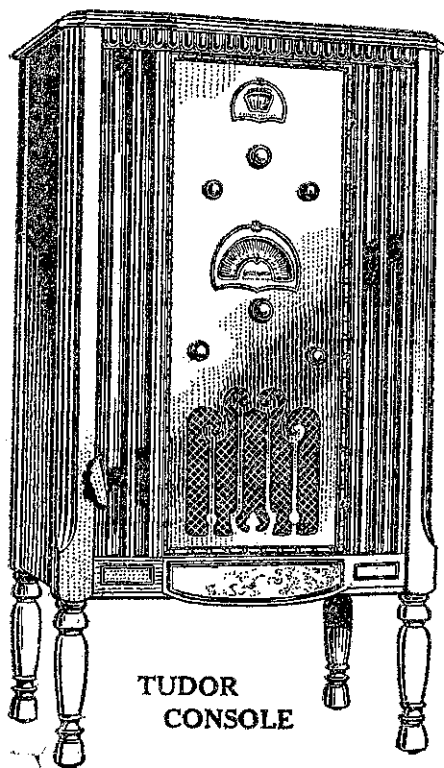
3.0—Selected recordings and literary selection.
 4.30—Sports results.
 5.0—Children's hour, conducted by Uncle Dave.
 6.0—Dinner music session.
 7.0—News and market reports.
 8.0—Chimes. Programme of recordings. March—National Military Band, "Semper Fidelis" (Souza).
 8.4—Gallis Orchestra, "Gold and Silver" (Lehar).
 8.10 — Bass — Robert Easton, (a) "The Midnight Review" (Glinka); (b) "The Song of Hybris the Cretan" (Elliot).
 8.18—Violin—Jan Kubelik, "Dudziary Muzurke" (Wieniawski).
 8.22 — Humour — Helen Kane, (a) "Aintcha" (Gordon); (b) "I Have to Have You" (Robin).
 8.28—Organ—G. T. Pattman, "Firefly" (Nicholls).
 8.31 — Soprano — Gladys Moncrieff, "Sweetheart" (Tierney).
 8.34—Frank Ferera Trio, (a) "Ua Like Noa Like" (Everett); (b) "One, Two, Three, Four" (Alau).
 8.40 — Tenor — Hubert Eisdell, (a) "Hey, Ho, the Wind and the Rain" (Quilter); (b) "Go, Lovely Rose" (Quilter).

4YA (650 Kc.)—MON., FEB. 29.

3.0—Selected recordings.
 4.30—Sports results.
 5.0—Children's hour, conducted by Uncle Jack.
 6.0—Dinner music session.
 7.0—News and reports.
 8.0—Chimes. Programme of selected recordings. Overture—The Concertgebouw Orchestra, "Tannhauser" (Wagner).
 8.16—Baritone — Keith Falkner, "Two Hungarian Folk Songs;" (a) "Shepherd, See Thy Horse's Foaming Mane;" (b) "Had a Horse" (Korbay).



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Radio *Hope Gibbons Ltd* Division

AUCKLAND — CHRISTCHURCH — WELLINGTON.

8.46—Four Provinces Orchestra, (a) "The Merry Blacksmith"; (b) "The Lightning Flash."
 8.49—Humour—Mr. Will Tyffe, "Daft Sandy" (Tyffe).
 8.51—Cleveland Orchestra, "School of the Fauna" (Pierne).
 9.0—Evening weather forecast and announcements.
 9.2—Lecture—Mr. Frank H. Leonard, "The Flags of the Nations" (arr. Leonard).
 9.23—Piano Concerto—Marguerite Long and Orchestre de la Societe des Concerts du Conservatoire, Paris, "Concerto No. 2 in F Minor" (Chopin).
 9.50—Soprano—Amelia Galli Curci, "Lo, Here the Gentle Lark" (Bishop).
 9.54—Organ—Jesse Crawford, "Hawaiian Sandman" (O'Flynn).
 9.57—U.S. Military Academy Band, "Thunderer March" (Sousa).
 10.0—God save the King.

2YA (720 Kc.)—TUES., MARCH 1.

10.0—Chimes. Selected recordings.
 11.12—Lecturette—"Fabrics and Fashions."
 12.0—Lunch-hour music.
 2.0—Selected recordings.
 3.30 and 4.30—Sports results.
 5.0—Children's hour, conducted by Jumbo.
 6.0—Dinner music session.
 7.0—News, reports and sports results.
 7.40—Lecturette—Representative of the Agricultural Department, "For the Man on the Land."
 8.0—Chimes. Record—Grand Symphony Orchestra, "Caliph of Bagdad" (Boieldieu).
 8.5—Male Quartet—The Serenaders, "A Song of the Armada" (Chudleigh-Candish). Tenor—Mr. E. L. Howe. "March Winds" (Meade).
 8.14—Dances—Salon Orchestra (Conductor, Mr. M. T. Dixon), "Spanish Dances" (Moszkowski).
 8.22—Record—Comedienne—Florrie Forde, "Florrie Forde Old-time Medley."
 8.28—Contralto—Miss Evelyn Robinson, (a) "Home Isn't Home Without You" (Lohr); (b) "When Song is Sweet" (Sans Souci).
 8.34—Suite—Salon Orchestra, "In Downlands" (Hewitt).
 8.44—Baritone—Mr. H. F. Gardiner, "Cobbler's Song" (Norton). Male Quartet—The Serenaders, "A Musical Muddle" (Lewis).
 8.50—Record—Humour—Leonard Henry, (a) "The Tale of the Talkies" (Henry); (b) "General Post" (Henry).
 8.56—Duet—Messrs. H. F. Gardiner and Clement Howe, "The Gendarmes" Duet (Offenbach).
 9.0—Weather report and station notices.
 9.2—Sketch—Mr. R. D. Maunsell, "Fifteen Minutes At Any Man's Club" (Maunsell).
 9.17—Contralto—Miss Evelyn Robinson, (a) "No, Sir" Wadefield; (b) "Madrigal" (Chaminade).
 9.23—Instrumental—Salon Orchestra, (a) "Viennese Melody" (Kreisler); (b) "Melodie" (Tschalkowsky).
 9.33—Male Quartet—The Serenaders, "Eventide" (Shepherd). Baritone—Mr. H. F. Gardiner, "A Chip of the Old Block" (Squire).
 9.39—Recording—Banjo—Michele Ortuso, (a) "Lollipops" (Reser); (b) "Teasin' the Frets" (Collocchis).
 9.45—Bass—Mr. K. H. B. Strong, (a) "Red Devon by the Sea" (Clarke); (b) "The Happy Man" (Dunhill).
 9.51—Selection—Salon Orchestra, (a) "Mary" (Hirsch); (b) "Chanson Poetique" (Farman).
 10.1—God save the King.

3YA (980 Kc.)—TUES., MARCH 1.

12.0—Relay description of Test Cricket Match from Lancaster Park—South Africa v. New Zealand.
 6.0 (approx.)—God save the King.
 4YA (650 Kc.)—TUES., MARCH 1.
 3.0—Selected recordings.
 4.30—Sports results.
 5.0—Children's hour, conducted by Aunt Leonore.
 6.0—Dinner music session.
 7.0—News and reports.
 8.0—Programme by Mosgiel Municipal Band (Conductor, Mr. James White) and assisting artists. March—The Band, "Hale and Hearty" (Powell). Selection—The Band, "Rustic Revelry" (Greenwood).



A. S. BROADRIBB,
Mouth-organist, who will broadcast from 1YA, February 27.

8.9—Quartets—The Aeolian Singers, (a) "Row, Boatman, Row" (Barnard); (b) "The Rosary" (Allan).
 8.15—Selection—The Band, "Recollections of Wales" (Rimmer).
 8.27—Duet—Misses Noni Davidson and Ruth D. Sell, "All Through the Night" (trdtl.).
 8.30—Baritone—Mr. L. H. Stubbs, "Men of Harlech" (trdtl.).
 8.34—Waltz—Band, "Wildflower" (Rimmer).
 8.40—Record—Three Valleys Festival Welsh Choir, "Land of My Fathers" (trdtl.).
 8.43—March—The Band, "Irwell Springs" (Greenwood).
 8.47—Soprano—Miss Noni Davidson, "The Ash Grove" (trdtl.).
 8.50—Record—Three Valleys Festival Welsh Choir, "Joanna" (Cymreig).
 8.53—Violin—Miss Eva Judd, "Fantasia on Welsh Airs" (trdtl.).
 9.0—Weather report and station announcements.
 9.2—Fantasia—The Band, "The Golden Age" (Greenwood).
 9.10—Quartet—The Aeolian Singers, "Come to the Fair" (Martin). Tenor—Mr. J. Ferguson, "When Other Lips" (Balfe).
 9.16—Record—Jack Hylton and His Orchestra, "The Selfish Giant" (Coates).
 9.24—Quartet—The Aeolian Singers, "Echoes" (Sullivan).
 9.28—Selection—The Band, "A Musical Souvenir" (Hawkins).
 9.40—Soprano—Miss Noni Davidson, "Shepherd's Song" (Elgar).
 9.44—Violin—Miss Eva Judd, (a) "Spanish Airs" (Seybold); (b) "Broken Melody" (van Biene).
 9.52—Quartet—The Aeolian Singers, "The Long Day Closes" (Sullivan).
 9.56—March—The Band, "Invercargill" (Lithgow).
 10.0—God save the King.

WEDNESDAY [March 2]

1YA (875 Kc.)—WED., MARCH 2.

3.0—Chimes. Selected recordings and literary selection.
 4.30—Sports results.
 5.0—Children's hour—conducted by Uncle Reg.
 6.0—Dinner music session.
 7.0—News and market reports.
 8.0—Chimes. Overture—1YA Chamber Orchestra (under direction of Mr. Harold Baxter), "William Tell" (Rossini).
 8.10—Quartet—The New Zealand Four, "Come Where My Love Lies Dreaming" (Foster). Duet—Messrs. J. Simpson and A. G. Taylor, "Star of the Desert Sky" (Alexander).
 8.17—Record—Whistling—Margaret McKee, (a) "The Call of the Angelus" (Walton); (b) "Spring Song" (Mendelssohn).
 8.23—Humour—Miss Rhona Speed, (a) "Alphabetical Diary" (Henry); (b) "The Way to Accept Him" (Grete-Hahn).
 8.30—Suite—The Orchestra, "A Children's Suite" (Ansell).
 8.41—Quartet—The New Zealand Four, (a) "By the Sea" (Schubert, arr. Barnett); (b) "The Wood-Chuck" (Linders).
 8.47—Record—Amos 'n' Andy, (a) "Check and Double Check"; (b) "I've Regusted" (Correll and Gosden).
 Johnny Noble and His Hawaiian Music, "For You a Lei" (Noble).
 8.55—Intermezzo—The Orchestra, "Gallantry" (Ketelbey).
 9.0—Evening weather forecast and announcements.
 9.2—Record—Savoy Orpheans, "London and Daventry Calling."
 9.10—Humour—Miss Rhona Speed, "The Waybacks" (Anon).
 9.14—Novelty for piano and orchestra—Miss Dorothea Ryan and the Orchestra, "The Clock and the Dresden Figures" (Ketelbey).
 9.18—Record—Light Opera Company, Vocal gems from "Robin Hood" (de Koven).
 9.26—Selection—The Orchestra, "Tunelandia" (Lodge).
 9.32—Record—Soprano—Conchita Supervia, "Cavatina di Rosina" (Rossini).
 9.40—Duet—Messrs. Roy Dormer and Eric Mannall, "Down the Vale" (Moir). Quartet—The New Zealand Four, "Away Down South" (Perks).
 9.46—Record—Comedian—Vernon Watson, (a) "The Future Mrs. 'Awkins" (Chevalier); (b) "Knocked 'Em in the Old Kent Road" (Ingle); (c) "Our Little Nipper" (Ingle).
 9.50—Selection—The Orchestra, "Patience" (Sullivan).
 10.0—God save the King.

2YA (720 Kc.)—WED., MARCH 2.

10.0—Chimes. Selected recordings.
 12.0—Lunch hour music.
 3.30 and 4.30—Sporting results.
 5.0—Children's hour, conducted by Aunt Daisy.
 6.0—Dinner music session.
 7.0—News, market reports and sports results.

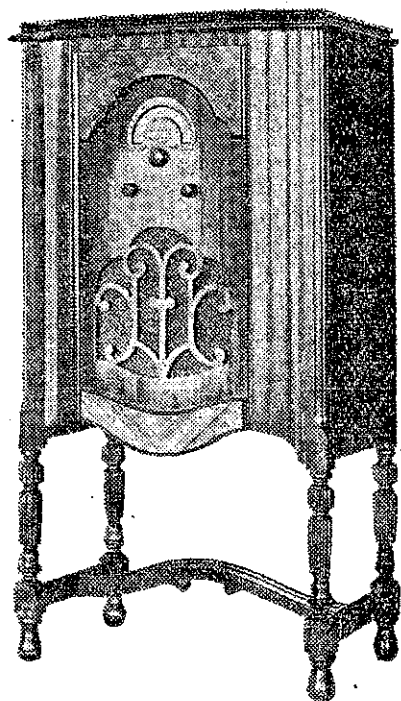
8.0—Chimes. Programme of recordings.

8.1—Overture—The Polydor String Orchestra, "In Indra's Land" (Lincke).
 8.9—Soprano—Elisabeth Gero with Berlin State Opera Orchestra, (a) "L'Estasi" (Arditi); (b) "Chanson Espagnole" (Delibes).
 8.17—Pianoforte—Niedzielski (a) "Mazurka in A Minor No. 2"; (b) "Mazurka in A Minor No. 4"; (c) "Mazurka in F Sharp Minor No. 3"; (d) "Mazurka in B Minor No. 2" (Chopin).
 8.25—Concerted—Light Opera Company, "Viktoria and Her Hussar" (Beda).
 8.33—Violin—Fritz Kreisler, (a) "Shepherd's Madrigal" (Kreisler); (b) "Gypsy Caprice" (Kreisler).
 8.41—Bass-baritone—Peter Dawson, (a) "The Word Song" (Bigar); (b) "Midnight Review" (Glinka).
 8.49—Instrumental—Great Symphony Orchestra, "The Gypsy Princess" (Kalmann).
 8.57—Vocal trio—The Baraldi Trio, "Beauteous Morn" (German).
 9.0—Weather report and station announcements.
 9.2—Lecturette—Dr. Guy H. Scholefield, O.B.E.
 9.17—Selection—The Paul Godwin Orchestra, "The Czarewitsch" (Lehar).
 9.25—Tenor—John McCormack, (a) "Now Sleeps the Crimson Petal" (Quilter); (b) "A Fairy Story by the Fire" (Merikanto).
 9.31—Cornet, with organ—R. Arnold Greir, "Softly Awakes My Heart" (Saint-Saens).
 9.35—Concerted—Light Opera Company, "Miss Hook of Holland" (Rubens).
 9.43—Instrumental—Cedric Sharpe Sextet, (a) "Les Tresors de Columbine" (Drigo); (b) "Valse Bluette" (Drigo).
 9.49—Baritone—Emilio de Gogorza, "In Old Madrid" (Trotter).
 9.52—Selection—The Band of H.M. Coldstream Guards, "H.M.S. Pinafore" (Sullivan).
 10.0—God save the King.

3YA (980 Kc.)—WED., MARCH 2.

3.0—Gramophone recital.
 4.30—Sports results.
 5.0—Children's hour, conducted by Uncle Bill.
 6.0—Dinner music session.
 7.0—News and reports.
 7.30—Addington stock market reports.
 8.0—Chimes. Overture—Studio Orchestra (Conductor, Harold Beck), "Norma" (Bellini).
 8.6—Record—Tenor and Bass—F. Annsean and M. Journet, "Je Suis Escamille" (Bizet).
 8.10—Record—Piano—Vladimir Horowitz, "Capriccio in F Minor" (Dohnanyi).
 8.13—Mezzo-soprano—Miss Merle Miller, (a) "As Thro' the Street" (Puccini); (b) "The Isle of Innisfail" (Pennicuck).
 8.19—Record—Cello—Cedric Sharpe, "Consolation" (Liszt, arr. Sharpe).
 8.22—Instrumental—Studio Orchestra, (a) "Harvest Festival" (Ames); (b) "Folk Song and Fiddle Dance" (Fletcher).
 8.33—Reading—Mrs. A. M. Spence Clark, "Owen Glendower" (Carrington).
 8.49—Record—Vienna Schrammel Quartet, "Firefly's Appointment" (Siede).
 8.53—Mezzo-soprano—Miss Merle Miller, (a) "Put Out Your Candle" (Besly); (b) with orchestra, "One Morning Very Early" (Sanderson).

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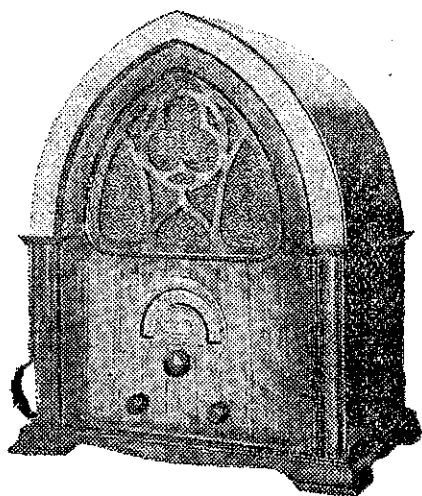
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GULBRANSEN

8.50—Record—Organ—Arthur Meale, "Storm" (Meale).
 9.5—Weather forecast and station notices.
 9.7—Record—La Scala Chorus, "O Signore Dal Tetto Natio" (Verdi).
 9.10—Selection—Studio Orchestra, "La Traviata" (Verdi).
 9.22—Record—Giovanni Inghilleri Octave Duo Luigi Cilla, "Brindisi" (Drinking Song) (Verdi).
 9.26—Incidental Music—Studio Orchestra, "Monsieur Beauchaire" (Rosse).
 9.31—Dance music.
 11.0—God save the King.

4YA (650 Kc.)—WED., MARCH 2.

3.0—Selected recordings.
 3.15—Home science talk, prepared by the Home Science Extension Service of Otago University.
 4.30—Sports results.
 5.0—Children's hour, conducted by Big Brother Bill.
 6.0—Dinner music session.
 7.0—News and reports.
 8.0—Chimes. Record—Berlin State Opera Orchestra, "Capriccio Italien" (Tschalkowsky).
 8.9—Vocal Quartet—The Philharmonic Four, (a) "The Victor's Return" (Mendelssohn); (b) "How Beautiful This Night" (Fletcher).
 8.15—Selection—Mr. A. H. Pettitt's Octet, "Nuits Algerienne" (Chapelier).
 8.27—Humour—Mr. A. Gorrie, "How Granfer Volunteered" (Francis).
 8.37—Record—Violin—Mishel Piasiro, "Faust Fantasy" (Gounod-Wieniawski); (b) "Pearl Fishers" (Bizet-Piasiro).
 8.43—Baritone—Mr. F. Mortley Peake, "Onaway, Awake, Beloved" (Cowan).
 8.47—Quartet—The Philharmonic Four, "Old Love Song" (Mendelssohn).
 8.50—Selection—The Octet, "The Conqueror Suite" (German).
 9.0—Weather report and station notices.
 9.2—Record—Organ—Marcel Dupre, "Fugue in G Major" (Bach).
 9.6—Quartet—The Philharmonic Four, "Welcome to May" (Mendelssohn).
 9.9—Contralto—Miss M. Kenward, "Ye Powers That Dwell Below" (Gluck).
 9.12—Waltz—The Octet, "Valse Des Alouettes" (Drigo).
 9.18—Recital—Mr. A. Gorrie, "The Battle of Sedgemoor" (Macaulay).
 9.22—Quartet—The Philharmonic Four, "O Happy Eyes" (Elgar).
 9.25—Selection—The Octet, "Plymouth Hoe" (Ansell).
 9.30—Dance session.
 11.0—God save the King.

2YB (1230 Kc.)—WED., MARCH 2.

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

THURSDAY [March 3]

1YA (875 Kc.)—THURS., MARCH 3.

12.15—Selected recordings.
 12.30—Relay of mid-week service from St. Matthew's Church.
 3.0—Selected recordings.
 3.15—Home science talk, prepared by the Home Science Extension Service of Otago University.
 4.30—Sports results.
 5.0—Children's hour, conducted by Skipper.

6.0—Dinner music session.
 7.0—News and market reports.
 8.0—Chimes. Record—London Symphony Orchestra: (a) "The Impresario" (Mozart); (b) "Minuet" (Mozart).
 8.9—Choral—The 1YA Broadcasting Choir with String Quartet: (a) "Come Lassies and Lads"; (b) "Here's to the Maiden of Bashful Fifteen" (17th Century).
 8.15—Record—Bournemouth Municipal Orchestra, "Gee Whizz" (Brooke).
 8.19—Mezzo-Contralto—Miss Ida M. Moore: (a) "Thou Art Repose" (Schubert); (b) "Morning" (Speaks).
 8.25—Quartet—Northern String Quartet: (a) "Old Black Joe"; (b) "The Mill" (arr. Pouchon).
 8.33—Choral—The Choir, with String Quartet: (a) "Sweet Genevieve" (Tucker); (b) "The Old Rustic Bridge" (Skelly).
 8.39—Record—J. H. Squire Celeste Octet: (a) "The Butterfly" (Bendix); (b) "The Grasshoppers' Dance" (Bucalossi).
 8.45—Sketch—"Swamped" (Carlton and Manley).
 9.0—Evening weather forecast and announcements.
 9.2—String Quartet—Northern String Quartet, "An Old English Love" (arr. Pouchon).
 9.6—Choral—The Choir: (a) "Parting and Meeting"; (b) "Departure" (Mendelssohn).
 9.12—Record—Bournemouth Municipal Orchestra, "Rippling Streams" (Gennin).
 9.16—Vocal duet—Misses Chrissie Foster and Nellie Marriage: (a) "Whispering Hope" (Hawthorne); (b) "List to the Convent Bells" (Blockley).
 9.23—Piano—Mr. Cyril Towsey, "Prelude and Fugue" (Bach).
 9.30—Choral—The Choir, "London-derry Air" (Irish); With String Quartet, "There Was a Jolly Miller" (Old English).
 9.35—Record—Royal Opera Orchestra Covent Garden, "The Sleeping Beauty" (Tschalkowsky).
 9.39—Sketch—"The Amorous Cop" (Cronin).
 9.50—Choral—The Choir: (a) "When Evening's Twilight" (Hatton); (b) "The Whale" (arr. Riddle).
 9.56—Record—Edith Lorand Orchestra, "Norma" (Bellini).
 10.3—God save the King.

2YA (720 Kc.)—THURS., MARCH 3.

10.0—Chimes. Selected recordings.
 10.45—Lecture—"Cooking."
 12.0—Lunch hour music.
 2.0—Selected recordings.
 3.15—Lecture—Miss I. F. Meadows, talk prepared by the Home Science Extension Department of the Otago University.
 3.30 and 4.30—Sports results.
 5.0—Children's hour, conducted by Uncle George and Big Brother Jack.
 6.0—Dinner music session.
 7.0—News, reports and sports results.
 7.40—Lecture—Mr. W. A. Sutherland, Secretary Wellington Automobile Club, "Reading Progress in New Zealand."
 8.0—Chimes. Concert by the Port Nicholson Silver Band (Conductor, Mr. J. J. Drew) and 2YA Artists. March—The Band, "Punchenelle" (Rimmer).
 Overture—"Tancredi" (Rossini).
 8.10—Baritone—Mr. H. Mitchell, (a) "Son o' Mine" (Wallace); (b) "The Rebel" (Wallace).
 8.16—Piano—Miss Gladys Marshall, "Rhapsodie" (Brahms).

8.22—Soprano—Miss Janet Stirling, (a) "The Little Damsel" (Novello); (b) "I Know of Two Bright Eyes" (Clutsam).
 8.28—Selection—The Band, "L'Etoile Du Nord" (arr. Rimmer).
 8.43—Guitar duo—Berthold and Sullivan, (a) "Kawaihau Waltz" (Awai); (b) "When the Moon Comes Over the Mountain" (Woods).
 8.49—Quartet—Bandsmen, "Euryanthe" (arr. Rimmer).
 8.56—Record—Vocal—Parlophone Variety Quartet, "Veterans of Variety."
 9.2—Weather report and station notices.
 9.4—Baritone—Mr. H. Mitchell, (a) "Drake Goes West" (Sanderson); (b) "Absent" (Metcalf).
 9.10—Piano—Miss Gladys Marshall, "Blue Danube Paraphrase" (Schutz-Eyler).
 9.16—Trombone duet—Bandsmen Marshall and Matson, "The Gliders" (Trenchard).
 9.20—Soprano—Miss Janet Stirling, (a) "Charming Chloe" (German); (b) "Happy Song" (del Riego).
 9.26—Guitar duo—Berthold and Sullivan, (a) "Sleepy Eyes" (Alau); (b) "When Your Hair Has Turned to Silver" (de Rose).
 9.32—Record: Comedy—Jimmy O'Dea and Harry O'Donovan, (a) "Mrs. Mulligan at the Telephone" (O'Donovan); (b) "Mrs. Mulligan at the Pawnshop" (O'Donovan).
 9.38—Selection—The Band, "Gems from Sullivan's Operas" (arr. Drew).
 9.45—Record—International Novelty Orchestra, "Carmen Sylva" (Ivanovici).
 9.48—Intermezzo—The Band, "Glow Worm" (Lincke). March—"Dunedin" (Alford).
 10.0—God save the King.

3YA (980 Kc.)—THURS., MARCH 3.

3.15—Home science talk, prepared by the Home Science Extension Service of Otago University.
 4.30—Sports results.
 5.0—Children's hour, conducted by Ladybird and Uncle Frank.
 6.0—Dinner music session.
 7.0—News and reports.
 7.20—Review of Journal of Agriculture.
 8.0—Chimes. Programme of recordings. Orchestral symphony—Berlin State Opera House Symphony Orchestra, "Battle Symphony" (Beethoven).
 8.16—Humour—Harry Gordon, (a) "The Story That I Started"; (b) "The Village Editor" (Hazelwood).
 8.22—Piano—Lily Dymont, "Sevilla" (Albeniz).
 8.28—Vocal variety—Mona Grey, "Entertaining Peter."
 8.34—Instrumental—The A. and P. Gypsies, (a) "White Acacia" (Stone); (b) "Herbertiana" (Victor Herbert Melodies) (Stone).
 8.40—Vocal trio—Nessi, Baracchi, Venturini, "Trio of the Masks" (Puccini).
 8.46—Foxtrots—Debroy Somers Band, (a) "A Clockwork Courtship" (Rayners); (b) "Wedding of the Three Blind Mice" (Williams).
 8.52—Vocal gems—Light Opera Company, "Lily of Killarney" (Benedict).
 9.0—Organ—Marcel Dupre, (a) Chorale, "Sleepers Awake" (Bach); (b) "Christ Came to Jordan" (Bach).
 9.6—Weather forecast and station notices.
 9.8—Talk—Mr. J. E. Strachan, M.A., B.Sc., "Storm Clouds in the East."
 9.23—Orchestral—Milan Symphony Orchestra, "Le Maschere" (Mascagni).
 9.31—Vocal—The Jolly Old Fellows, "Chorus Hits of Yesterday" (Francis).

9.37—Melodies—Jack Hylton and His Orchestra, "Selection of Boosey Ballads."
 9.45—Comedians—Eddie Cantor, "Eddie Cantor's Tips on the Stock Market." The Happiness Boys, "Who Cares Anyhow" (Midgeley).
 9.51—Mixed chorus—Ever Ready Hour Group, "Going Home" (Fisher).
 9.55—Descriptive selections—Super Cinema Orchestra, (a) "In the Sudan" (Sebek); (b) "Babylonian Nights" (Zamecnik).
 10.3—God save the King.

4YA (650 Kc.)—THURS., MARCH 3.

Silent Day.

FRIDAY . . [March 4]

1YA (875 Kc.)—FRI., MARCH 4.

3.0—Chimes. Selected recordings and literary selection.
 4.30—Sports results.
 5.0—Children's hour, conducted by Nod and Aunt Jean.
 6.0—Dinner music session.
 7.0—News and market reports.
 7.40—Sports talk.
 8.0—Chimes. Record—Symphony Orchestra, (a) "Turkish March" (Mozart, arr. Herbeck); (b) "Marriage of Figaro" (Mozart).
 8.9—Boy soprano—Master Desmond Casey, (a) "Only the River Running By" (Hopkins); (b) "The Birds Go North Again" (Willeby).
 8.15—Instrumental—Haydn Murray's Trio, "Bolero" (Arbos). 'Cello—"Kol Nidrei" (Max Bruch).
 8.25—Record—Super Cinema Orchestra, "Hush" (Douglas).
 8.29—Contralto—Miss Winifred Johnson, (a) "Evening" (O'Connor); (b) "Sometimes When Night is Night" (Phillips).
 8.35—Novelty—Watters-Rae Duo. Saxophone, "Gloria" (Wiedoeff). Pianoforte, "Improvisations" (Lee Sims). Saxophone, "Valse Elegante" (Johnson).
 8.43—Record: Yodelling—Rex Cole Mountaineers, "The Waltz of the Hills" (Hall).
 8.46—Concertina—Robert McKnight, "The Harp That Once" (arr. Farmer).
 8.52—Boy Soprano—Master Desmond Casey, "The Lass With the Delicate Air" (Arne).
 8.56—Record—New Mayfair Orchestra, "Waltz Medley."
 9.0—Evening weather forecast and announcements.
 9.2—A sea story—Lee Fore Brace, "Marooned" (arr. Eadie).
 9.22—Recording—Victor Arden-Phil Ohman Orchestra, "Funny Face" Selection.
 9.26—Instrumental—Haydn Murray's Trio, "Faust" Selection (Gounod).
 9.35—Contralto—Miss Winifred Johnson, (a) "Sunshine and Rain" (Blumenthal); (b) "I Know Where I'm Goin'" (Hughes).
 9.40—Novelty—The Watters-Rae Duo. Saxophone, "Kiss Me Again" (Wiedoeff). Pianoforte, "Pettin' the Keys" (Confrey). Saxophone, "Parade of the Wooden Soldiers" (Jessel).
 9.48—Record—Super Cinema Orchestra, "Love's Dream After the Ball" (Czibulka).
 9.51—English concertina—Mr. Robert McKnight, (a) "Valse Ah Che Assorta" (Venzano); (b) "Belphegor March" (Brepant).
 9.56—Recording—New Mayfair Orchestra, "Hungarian Medley" (arr. Somers).
 10.0—God save the King.

2YA (720 Kc.)—FRI, MARCH 4.

- 10.0—Chimes. Selected recordings.
 11.12—Lecturette—"Fashions."
 11.30—Relay from the Basin Reserve of Second Test Cricket match, South Africa v. New Zealand.
 12.0—Lunch hour music.
 2.0—Selected recordings.
 3.30 and 4.30—Sports results.
 5.0—Children's hour, conducted by Uncle Jim.
 6.0—Dinner music session.
 7.0—News, reports and sports results.
 7.40—Lecturette—Mr. K. O. James, "Comments of Play in Second Test, South Africa v. New Zealand cricket match."
 8.0—Chimes. Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "Knight Errant" (Bendix).
 8.8—Contralto—Miss Nora Greene, (a) "A Summer Night" (Goring Thomas); (b) "We'd Better Bide a Wee" (Claribel).
 8.14—Humour—Mr. Douglas Stark, "I'm 94 To-day" (Fyffe).
 8.20—Flute—Mr. David Whisker, (a) "Barcarolle" (Catherine); (b) "Badinerie" (Fontaine).
 8.26—Tenor—Mr. Noho Toki, (a) "Manuka" (Don); (b) "If All the World" (Lyll Phillip).
 8.32—Selection—2YA Orchestra, "Little Dutch Girl" (Kalman).
 8.42—Contralto—Miss Nora Greene, (a) "Mother Town" (Longstaffe); (b) "White Birds" (Arundel).
 8.48—Flute—Mr. David Whisker, (a) "Andante" (Mozart); (b) "Chant Sans Paroles" (Speelman).
 8.54—Humour—Mr. Douglas Stark, "I'm Glad I'm Married Tae the Wife" (Fyffe).
 9.0—Weather report and station notices.
 9.2—Fantasia—2YA Orchestra, "Clutsam's Plantation Songs" (Clutsam).
 9.11—Tenor—Mr. Noho Toki, (a) "One Heart Divine" (Roswig); (b) "Song of Songs" (Moya).
 9.17—Record: Humour—Frank Crumit, (a) "The Three Trees" (McNaughton); (b) "No News."
 9.23—Instrumental—2YA Orchestra, "By An Old Mill Stream" (Leigh). Two-step—"Step Lively" (Roberts).
 9.30—Dance programme.
 11.0—God save the King.

3YA (980 Kc.)—FRI, MARCH 4.

- 3.0—Gramophone recital.
 4.30—Sports results.
 5.0—Children's hour, conducted by Aunt Pat.
 6.0—Dinner music session.
 7.0—News and reports.
 7.30—Talk under the auspices of the Canterbury Manufacturers' Association (Inc.)—Mr. W. A. Bascand, "New Zealand Industries."
 7.45—Talk under auspices of the New Zealand Utility Poultry Club—Mr. S. F. Marshall, "Utility Poultry Farming."
 8.0—Chimes. March—Studio Orchestra (Conductor, Harold Beck), "New Colonial" (Hall). Overture—"Jolly Robbers" (Suppe).
 8.9—Record—Light Opera Company, "Robin Hood" Vocal Gems ((Smith, de Koven).
 8.17—Saxophone—Mr. E. Askenback, "Valse Vanite" (Wiedoeft).
 8.22—Bass—Mr. T. D. Williams, (a) "Song of the Sea Kings" (Lohr); (b) "The Gay Cavalier" (Smith).
 8.28—Record—Organ—Jesse Crawford, "La Borrachita" (Esperon).

- 8.31—Contralto—Mrs. Winifred Andrews, (a) "The Birth of Morn" (Leoni); (b) "In Autumn" (Curran).
 8.36—Selection—Studio Orchestra, "Katinka" (Friml).
 8.48—Sketch—Helen Milligan, "The General and the Charwoman" (compiled by Bernard Shaw).
 9.0—Weather forecast and station notices.
 9.2—Record—Arthur Pryor's Band, "Philadelphia" (Dieck).
 9.5—Melodies—Studio Orchestra, (a) "South Sea Rose" (Gilbert and Baer); (b) "Lonesome Little Doll" (Cowan and Boutelje).

- 5.0—Children's hour, conducted by Aunt Sheila.
 6.0—Dinner music session.
 7.0—News and reports.
 8.0—Chimes. Record—Percival Mackey's Band, "The Vagabond King" (Friml).
 8.9—Song and Dance—The Radiettes, (a) "I'm Gonna Get You" (Ronneheim); (b) "Love Letters in the Sand" (Kenny).
 8.17—Selection—The De Rose Octet, "The Gipsy Baron" (Strauss).
 8.30—Soprano—Mrs. D. Carty, (a) "Rowan Tree" (Nairn); (b) "Cam Ye By Athol" (Hogg).

Final Duet from RIGOLETTO

Sung by
**LUCIEN
CESARONI**
and
**AIDA
BULMAS**
from 2YA

Sunday, March 6,

as part of a Grand Programme featuring
Vinogradoff, Cesaroni, Bulmas
assisted by Mavis Dillon



- 9.13—Record—Duet, North and South, "The Kerb Step" (Knox).
 9.16—Saxophone—Mr. E. Askenback, (a) "Valse Inspiration" (Hazlett); (b) "Saxophone Scandals" (Dormberger).
 9.21—Record—Humour—John Henry and Blossom, "The Stocking" (Henry and Reeve).
 9.27—Record—Russian Novelty Orchestra, "Greetings of Spring."
 9.30—Bass—Mr. T. D. Williams, (a) "Song of Triumph" (Phillips and Page); (b) with orchestra, "A Soldier's Toast" (Barron and Dix).
 9.36—Record—Piano—Lee Sims, (a) "Something to Remember You By" (Dietz); (b) "Body and Soul" (Heyman).
 9.42—Contralto—Mrs. Winifred Andrews, "Songs of a Welsh Village" (Drummond)—(a) "Three Hundred Miles from London"; (b) "Garden of Memories"; (c) "The Sweet Shop."
 9.47—Record—Vocal Quartet, "Sally" (Haines).
 9.49—Waltz—Studio Orchestra, "Valse Bleue" (Margis).
 9.54—Record—Comedy—The Two Gilberts, "We Must All Pull Together" (Weston Lee).
 9.57—Record—Walter Rogers and His Band, (a) "Manhattan Beach March"; (b) "High School Cadets March" (Sousa).
 10.1—God save the King.

4YA (650 Kc.)—FRI, MARCH 4.

- 3.0—Selected recordings.
 4.30—Sports results.

- 8.36—Xylophone—Mr. E. J. Andrews, (a) "Liberty Bell" (Sousa, arr. Pettitt); (b) "The Spooks Parade" (arr. Pettitt).
 8.42—Record—The Merry-makers, (a) "The Merry-makers in Hawaii"; (b) "The Merry-makers in Spain" (Ford-Haenschen).
 8.50—Selection—The Octet, "The Chocolate Soldier" (Strauss).
 8.57—Baritone—Mr. Noel H. North, "Sleeping Beauty" (Romberg).
 9.0—weather report and station notices.
 9.2—Record—Savoy Orpheans, "Round the World" Medley (arr. Somers).
 9.10—Soprano—Mrs. D. Carty, (a) "Duncan Gray" (Burns); (b) "My Ain Wee Hoose" (Munro).
 9.16—Selection—The Octet, "The Gipsy Princess" (Kalman).
 9.28—Song, Dance, and Patter—The Radiettes, "That's Where the South Begins" (Yellen).
 9.33—Record—Piano—Lee Sims, (a) "Stardust" (Arish); (b) "Rockin' Chair" (Carmichael).
 9.39—Baritone—Mr. Noel H. North, (a) "A Pair of Blue Eyes" (Hanley); (b) "Song of My Heart" (Hanley).
 9.46—Xylophone—Mr. E. J. Andrews, (a) "Repaz Band" (arr. Pettitt); (b) Home, Sweet Home" (arr. Pettitt).
 9.52—Record—Bud Billings and Carson Robison, "Moonlight on the Colorado" (Moll-King).
 9.55—Selection—The Octet, (a) "The Butterfly" (Bendix); (b) "Aisha" (Lindsay).
 10.2—God save the King.

SATURDAY [March 5]**1YA (875 Kc.)—SAT, MARCH 5.**

- 2.0—Relay from the Auckland Domain of description of the Auckland Amateur Athletic Championships.
 5.0—Children's hour, conducted by Cinderella.
 6.0—Dinner music session.
 7.0—News and market reports.
 8.0—Chimes. Record—Band of H.M. Coldstream Guards, "Poet and Peasant" (Suppe).
 8.9—Syncopated piano and song numbers—Don Tasker and Johnny Madden, (a) "Nobody Cares If I'm Blue" (de Sylva); (b) "Someday I'll Find You" (Burke).
 8.16—Record—The Merry-makers, "The Merry-makers' Carnival" (Ford-Haenschen).
 8.24—Tenor—Mr. Tom Moffitt, (a) "Come Back to Erin" (Irish); (b) "I Did Not Know" (Trotter).
 8.30—Piano and xylophone—Eric F. B. Waters and Ray Jury, (a) "Bing Bing" (Lopez); (b) "You're Driving Me Crazy" (Donaldson).
 8.37—Record—Edith Lorand Orchestra, "Johann Strauss Fantasia" (Strauss).
 8.45—Song and tap dance—Mr. B. J. Watson, (a) "Noah's Wife Lived a Wonderful Life" (Erdman and Olman); (b) "Molly" (O'Hagan).
 8.52—Novelty instrumental—The Mati Trio, (a) "Maori Moon" (Smyth); (b) "In the Cafe on the Road to Calais" (Van); (c) "Ukulele Dream Girl" (Kali).
 9.1—Evening weather forecast and announcements.
 9.3—Syncopated piano and song numbers—Don Tasker and Johnny Madden, (a) "Love Song" (Herbert); (b) "You're Just a Lover" (Vallee).
 9.9—Record—Band of H.M. Coldstream Guards, "Wedding of the Rose" (Jessel).
 9.12—Entertainers—The Asquiths, "Novelty Entertainment" (arr. Asquith).
 9.27—Piano and xylophone—Eric Waters and Ray Jury, (a) "Loin du Bal" (Gillet); (b) "Jovial Jasper" (Green).
 9.34—Tenor—Mr. Tom Moffitt (a) "A Song of Sleep" (Somerset); (b) "Parted" (Tosti).
 9.40—Novelty instrumental—The Mati Trio, (a) "Vahine Vave Au" (Lou); (b) "Raratoa E" (Lou).
 9.46—Record—Peter Biljo's Balalaika Orchestra, "The Wide Dnipter."
 9.49—Humour—Mr. B. J. Watson, "Pottering Along" (Sanders).
 9.53—Record—Jack Hytton and His Orchestra, "Medley of Chappell Bal-lads."
 10.0—Programme of dance music.
 11.0—Sports results.
 11.10—God save the King.
- 2YA (720 Kc.)—SAT, MARCH 5.**
- 12.0—Chimes. Relay from the Basin Reserve of Second Test Cricket Match, South Africa v. New Zealand, interspersed with selected recordings.
 3.30 and 4.30—Sports results.
 5.0—Children's hour, conducted by Aunt Molly and Uncle Jasper.
 6.0—Dinner music session.
 7.0—News, reports and sports results.
 8.0—Chimes. Fantasia—Salon Orchestra (Conductor, Mr. M. T. Dixon), "In the Land of Mystic Egypt" (Ketelbey).
 8.10—Record—Mona Grey, "Entertaining Peter."
 8.18—Suite—Salon Orchestra, "Three Light Pieces" (Somerville).

8.28—Twenty minutes with the Melodie Five—Quintette—Melodie Five, "Southern Moon" (Zamecnik). Bass—Mr. W. W. Marshall, "The Skipper" (Jude). Novelty piano—Mr. Bert Burton, "Marigold" (Mayerl). Quintette—Melodie Five, "Go Home and Tell Your Mother" (McHugh). Tenor—Mr. Frank Bryant, "I Love You More" (Lee). Quintette—Melodie Five, "Cinderella's Wedding Day" (Cabe).
 8.48—Selection—Salon Orchestra, "Rose Marie" (Friml).
 9.0—Weather report and station notices.

9.2—Lecturette—Mr. B. S. Merlin, "Secret Service During the Great War."
 9.17—Ballet—Salon Orchestra, (a) "Air de Ballet" (Herbert); (b) "Balletscene" (Meyer Helmund).
 9.25—Twenty minutes with the Melodie Five—Tenor—Mr. Sam Duncan, "Mignon" (D'Hardelot). Baritone—Mr. R. S. Allwright, "Lily of Laguna" (Stuart). Novelty piano—Mr. Bert Burton, "Trivoly" (Lee Sims). Quintette—Melodie Five, "The Owl and the Pussy Cat" (de Koven).
 9.45—Record—Piano—Schutt and Cornell, (a) "Canadian Capers" (Cohen); (b) "Flapperette" (Greer).
 9.49—Two songs—Salon Orchestra, (a) "Farewell" (Lehar); (b) "The Dancing Lesson" (Oliver). Dance novelties.

10.0—Dance programme.
 11.0—Sporting summary.
 11.10—God save the King.

3YA (980 Kc.)—SAT., MARCH 5.

3.0—Gramophone recital.
 4.30—Sports results.
 5.0—Children's hour, conducted by Aunt Pat.
 6.0—Dinner music session.
 7.0—News and reports.
 7.30—Sports results.
 8.0—Chimes. Selection—Christchurch Salon Orchestra (Con. Mr. Francis E. Bate), "A Night in Venice" (Strauss, arr. Wiegand).
 8.10—Record—Syd. Howard, Vera Pearce, Leonard Henry and Company, "Our Village Concert."
 8.18—Record—Saxophone, Rudy Wiedoeft—"Liliewellyn" Waltz (Wiedoeft).
 8.21—Bass—Mr. Charles L. James, with orchestral accompaniment, "The Bell at Sea" (Adams).
 8.24—Record—Guitar—Frank Ferrara, "Love Dreams of Lulu Lu" (White).
 8.27—Humour—Phil Smith, "The First Forty Years are the Hardest" (Morton and Jerome).

8.34—Descriptive Fantasia—Salon Orchestra, "In a Clock Store" (Orth, arr. Bach).
 8.43—Record—Novelty—Buddy Morgan and His Veterans, "La La, Mama" (Cohen and Bibbo).
 8.46—Record—Piano—Leslie Hutchinson, "O Kay, Baby" (Tracey).
 8.49—Soprano—Miss Lottie Colville, (a) "A Wee Bit of Love" (Spencer); (b) "Listenin'" (Wood).
 8.55—Record—Bands of H.M. Grenadiers and Scots Guards, "The Battle of Waterloo" (Eckersberg).
 9.3—Weather forecast and station notices.

9.5—Suite—Salon Orchestra, "Gabrielle" (Rosse). (1) Pizzicato; (2) Minuet; (3) Valse; (4) Patrol.
 9.13—Record—Salon Group, "Kiss Me Again" (Herbert).
 9.19—Bass—Mr. Charles L. James, (a) "The Merry Monks" (Bevan); (b) "King of the Deep" (Jude).
 9.27—Record—Concertina—Flanagan Brothers, (a) "Chicken Reel"; (b) "Turkey in the Straw"; (c) "Arkansas Traveller."
 9.30—Record—Lions Quartet of Seattle, "Vere Is Mein Little Dog Gone?"
 9.33—Humour—Phil Smith, "How Ya' Gonna Keep Your Mind on Dancing?" (Brown and Hanley).
 9.40—Gavotte—Salon Orchestra, from "Mignon" (Thomas).
 9.45—Soprano—Miss Lottie Colville, (a) "Love is a Merry Carpenter" (Hill); (b) "When the Wind's in the Chimney" (Sanderson).
 9.49—Record—Charles Coburn and Company, "An Old-Time Sing-Song."
 9.57—Record—B.B.C. Wireless Military Band, "Dance of the Tumblers" (Rimsky-Korsakov).
 10.1—Dance music.
 11.0—God save the King.

4YA (650 Kc.)—SAT., MARCH 5.

3.0—Gramophone recital. Resumes of events at the Vauxhall Regatta will be broadcast during the afternoon.
 4.30—Sports results.
 5.0—Children's hour, conducted by Aunt Anita.
 6.0—Dinner music session.
 7.0—News and reports.
 8.0—Relay of concert programme from 3YA, Christchurch.
 10.0—Dance session.
 11.0—God save the King.

2YB (1230 Kc.)—SAT., MARCH 5.

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

SUNDAY . . [March 6]

1YA (875 Kc.)—SUN., MARCH 6.

2.0—Chimes. Selected recordings and literary selection.
 6.0—Children's song service, conducted by Uncle Leo.
 7.0—Relay of service from St. Matthew's Church. Preacher: Canon C. H. Grant-Cowen. Organist and choir-master: Mr. J. H. Philpott.
 8.30—Overture—1YA Chamber Orchestra (under direction Mr. Harold Baxter), "Mirella" (Gounod). Soprano—Madame Aileen Johns, (a) "Little Brown Owl" (Sanderson); (b) "In Quelle Trine Morbide" (Puccini). Record: Violin—Isolde Menges, "Nocturne in E Flat" (Chopin). Recital—Mr. Dennis Johns, "Ballad of East and West" (Kipling). Suite—The Orchestra, "Ballet Russe" (Luigini). Baritone—Mr. A. B. Thompson, "The Sands o' Dee" (Clay). Evening weather forecast and announcements. Record—Manchester Children's Choir and Halle Orchestra, (a) "Dance Duet" (Humperdinck); (b) "Nymphs and Shepherds" (Purcell). Selection—The Orchestra, "Tunelandia" (Lodge). Soprano—Madame Aileen Johns, (a) "Mocking Fairy" (Keel); (b) "Deirdre's Farewell" (Kennedy Fraser). Record: Organ—Edouard Commette, "Fantasie in G Minor" (Bach). Recital—Mr. Dennis Johns, (a) "The Ice Cart" (Gibson); (b) "The Old Sedan Chair" (Dobson); Morceaux—The Orchestra, (a) "Songe D'Extase" (Chuckerbutty); (b) "Two Eastern Pictures" (Lottier). Baritone—Mr. A. B. Thompson, (a) "Tell Me Not, Sweet" (Keel); (b) "The Guest" (Coleridge Taylor). Valse—The Orchestra, "Nina" (Rayners). God save the King.

2YA (720 Kc.)—SUN., MARCH 6.

2.0—Selected recordings.
 6.0—Children's song service, conducted by Uncle George, assisted by the children's choir from St. Jude's Anglican Church, Lyall Bay.
 7.0—Relay of evening service from St. Gerard's Redemptorist Church, Hawker Street, Wellington.
 8.20—(Approx.): Record—Berlin State Opera House Orchestra, "Allegro Con Brio" (Fifth Symphony in C Minor) (Beethoven). Bass—Cesaroni, "In Questa Tomba" (Beethoven). Pianoforte—Monsieur Paul Vinogradoff, "Appassionata" Sonata First Movement (Beethoven). Record: Tenor—Tudor Davies, "Adelaide" (Beethoven). Soprano—Signora Bulmas, "Know'st Thou the Land." Record—Berlin Philharmonic Orchestra, "Torch Dance in B Flat Major" (Meyerbeer). Weather report and station announcements. Two pianos—Paul Vinogradoff and Mavis Dillon, "Concerto in D Minor" (Mozart). Record: Tenor—Tudor Davies, (a) "Oh Voice of Magic Melody" (Mozart); (b) "Oh, Loveliness Beyond Compare" (Mozart). Vocal duet—Cesaroni and Signora Bulmas, "Why Cruel" (Mozart). Record—Zurich Tonhalle Orchestra, (a) "Gavotte" from "Idomeneo" (Mozart); (b) "Andante for Flute and Orchestra" (Mozart). Bass—Cesaroni, "When the King Went Forth to War" (Koenemann). Piano—Paul Vinogradoff, "Polonaise in a Flat Major" (Chopin). Soprano—Aida Bulmas, "Farewell, Sweet Memory" (Verdi). Record—J. H. Squire Celeste Octet, "Praeludium" (Jarnefeldt). Vocal duet—Cesaroni and Aida Bulmas, "Oh, My Daughter" (Verdi). Record—National Military

Band, "Ballet Egyptian" (Luigini). God save the King.

2ZW Programmes

MONDAY, FEBRUARY 29.

10.0—Devotional service.
 10.15-11.45—Women's session, including daily cookery recipe and hints to the housewife.
 11.45-2.0—Miscellaneous orchestral programme.
 7.0—After dinner music.
 7.30—Weekly talk to motorists by Mr. Ernest Lewis, Managing Director Rover Motors Ltd.
 8.0—"Gloom-Chasers" programme of popular music and humour.
 10.0-11.0—Dance music.

TUESDAY, MARCH 1.

10.0—Devotional service.
 10.15-11.45—Women's session, including daily cookery recipe.
 11.45-2—Miscellaneous orchestral programme.
 7.0—After dinner music.
 7.15—Talk by Mr. H. Amos, F.R.E.S., F.A.I.S., etc., on "Education as it concerns the problems facing the young man and woman of New Zealand at the present day."
 8.0—Vacuum Oil Company's programme.
 8.9—Old-time melodies.
 9.11—Dance programme by 2ZW's full dance orchestra.

WEDNESDAY, MARCH 2.

10.0—Devotional service.
 10.15-11.45—Women's session, including daily cookery recipe.
 11.45-2—Miscellaneous orchestral programme.
 5.0—Children's hour (Aunt Betty, Lady Gay, Pat, Gloria, and Uncle Toby).
 7.0—After dinner music.
 7.30—Talk by Mr. W. E. Lavelle, architect on "The Place of the Architect in Modern Life."
 8.0—Tabloid revue by the Ipana Merry-makers.
 8.30-10.0—All-British programme.
 10.0-11.0—Dance music.

THURSDAY, MARCH 3.

10.0—Devotional service.
 10.15—Kirkcaldie and Stains' special session for womenfolk.
 10.30-11.15—"Alice from Kirkcaldie-land," a special session for the tiny tots—fairy stories, nursery rhymes, etc.
 11.15-12.0—Fashion talks and music.
 12.0-2.0—Miscellaneous orchestral programme.
 3.0—Relay from Kirkcaldie and Stains' tea-rooms.
 7.0—After dinner music.
 7.30—Talk on the Tung oil industry.
 8.0-10.0—Quality programme.
 10.0-11.0—Dance music.

FRIDAY, MARCH 4.

10.0—Devotional service.
 10.15-11.45—Usual women folk's session (as for Monday).
 11.45-2.0—Miscellaneous orchestral programme.
 Silent Evening.

SATURDAY, MARCH 5.

12.0-2.0—Miscellaneous band and orchestral programme.
 7.0-8.0—After dinner music.
 8.0-10.0—Light popular programme.
 10.0-Midnight—Dance session, including relay from Majestic Lounge.

SUNDAY, MARCH 6.

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

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China and Japan when they joined the League of Nations, gave equally solemn undertakings not to resort to war. Open and successful defiance of the League would undoubtedly destroy whatever hopes have been built upon it.

Up to date, neither Japan nor China has actually declared war. Such a declaration would represent a formal and open repudiation of treaty obligations, and an act of defiance to all peaceful opinion throughout the world. Neither Power has yet seen fit to take this last irrevocable step. If the League of Nations has done nothing else, it has provided a rallying point for those forces in the world which condemn war. The question is whether these forces will prevail. Failure is bound to affect in varying degrees the lives of every one of us, even in New Zealand—success on the other hand will mark a great advance toward security.

It must not be supposed that the problems confronting the Chinese and Japanese Governments are capable of simple statement. I can only mention a few points which indicate the problems which each country is now facing. The Chinese say that the Japanese have pursued a well-planned policy of penetration in Manchuria, and that the Japanese soldiers have deliberately and on numerous occasions provoked hostilities. The Chinese say that they will abide unreservedly by the decisions of the League of Nations and will give

Can the League save Shanghai?

(Continued from page 3.)

any undertaking to carry out any instructions the League might give. The Japanese say that even if the Chinese Government gave such undertakings the Chinese soldiery would not respect the instructions of their own Government—in other words they say that the Chinese Government cannot control their own soldiery and their own population. The Japanese say that the Chinese have repeatedly broken the understandings with Japan relating to Manchuria—that the Chinese Government has invited trouble by encouraging a boycott in China of Japanese goods, causing grave unemployment in Japan.

It is unnecessary for us to enter into the rights and wrongs of the dispute between Japan and China. What we are concerned with at the moment is the position of the League of Nations.

Briefly, the league's case against Japan is that the Japanese have constituted themselves judges in their own cause, instead of using the machinery of the league. The chief concern of the Western world is the evasion by Japan of her obligations to us under the League Covenant and the Kellogg Pact—the chief obligation being not to go to war. One clear fact is

that Japan in the last few weeks has occupied Chinese territory greater in extent than the British Isles.

The powers of the League of Nations for punishing a state which goes to war are contained in the famous 16th clause or article, as it is called, of the League Covenant. Article 16 provides that a state which resorts to war, in breach of the Covenant, shall be treated as being at war with all the other members of the league, which thereupon must sever all trade and financial relations with the covenant-breaking state. Mutual support is to be given against the aggressor, and, in addition to economic pressure, military pressure may be used. Now Great Britain and the United States of America have never been very favourable to Article 16. Great Britain agreed to the article with reluctance, and the United States has refused to join the League of Nations partly because of the existence of this article. The British and American Governments look upon the league as an instrument to be used to pacify and unite peoples, rather than as an instrument of punishment.

This view is a practical one. The League of Nations is no stronger than the public support which it can command. Britain has always seen that if and when Article 16 is applied, heavy burdens would fall upon her, and it is doubtful whether public opinion in Britain would countenance a war of punishment, even in a just cause.

Some of the less responsible English newspapers, with large daily circulations, have concealed and distorted the facts as to the Far Eastern situation, and have demanded that Britain should not support the League of Nations even in the limited action it has taken. One newspaper even condemned the comparatively trifling expense of sending Sir John Simon to the meetings of the League Council.

Two of these journals which have consistently attacked the League of Nations since its formation are endeavouring to stir up public opinion in England against the League. They may or may not be justified in what they are doing, but I merely state the fact to show that public opinion in England is not yet overwhelmingly behind the League. When people say, why doesn't the League of Nations act, they are really thinking, why doesn't the League take drastic steps, even to the extent of going to war? The answer is that the League dare not become involved in this way without the whole-

hearted public support which would be essential to successful action. The League of Nations can advise, it can warn, it can judge—but it will never threaten where it cannot compel.

One can only state the problem in the form of questions, the answers to which are obscure. The problem resolves itself along these lines: Can the League remain inactive and still retain its influence in the world? If an Asiatic Power successfully defies the League Council, which is essentially European, what effect would this successful defiance have upon the peoples of Asia? What will the United States do if the balance of power in the Pacific is radically changed? Is it better for the League to lose prestige rather than for Japan to feel insulted by the European Powers? If the League goes no further, will the Chinese people turn upon their own rulers and destroy them, on the ground that they have relied upon treaties and moral forces rather than upon military preparation?

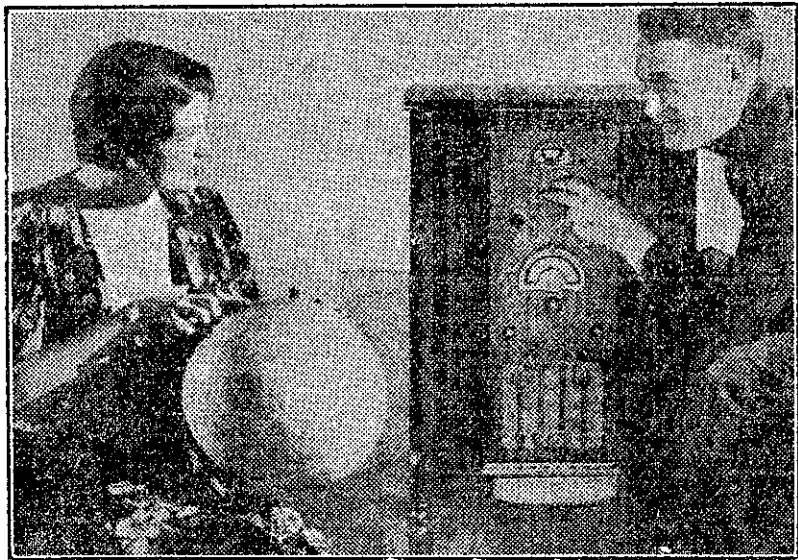
Finally, I wish to stress this point for the consideration of each one of you: The British Empire is a member of the League of Nations. What do you, as British citizens, think about the honourable obligations which you have entered into under the Covenant of the League?

Serviceman's Exam.

IN the list of successful candidates published recently the following names were omitted in error:—Olivecorona, E. E. D., Hardie, T. G.

Television from the Vatican

ON October 25, the television transmitting station of the Vatican was put into operation. The apparatus was a gift of Edouard Belin, the well-known French inventor in this line. At the inauguration a photograph of the Pope was transmitted to the laboratory of Belin at Paris.



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No longer is the thrill of radio confined to reception of the familiar New Zealand and Australian broadcasts on standard wave programmes.

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Short-wave Notes

Special Tests from Zeesen.

WITH a view to carrying out special tests, the Zeesen (Germany) short-wave transmitter broadcasts every Tuesday morning (N.Z. time), on 19.737 metres.

High-powered Canadians.

The Canadian Marconi Company announces that programmes from station CFCF will be simultaneously rebroadcast by short-wave from a new transmitter in the Marconi trans-Atlantic Beam Wireless Station at Drummondville, Quebec, approximately fifty-five air miles from Montreal. To start with, all CFCF programmes from 11 a.m. to 5 p.m. (N.Z.-S.T.), will be broadcast, and later it is expected that the new transmitter will be tied in with CFCF during the entire sixteen hours of daily operation. The call letters will be VE9DR. This station will be the highest powered short-wave station in Canada, and it is expected to give reception practically all over the world.

Empire News Bulletins.

The B.B.C. is happy to be able to announce, by arrangement with Reuters, it has now become possible to meet a wish almost universally expressed by correspondents in the overseas Empire, that news bulletins should be included in the transmissions from the short-wave experimental station, G5SW, at Chelmsford (writes "World Radio," the official organ of the B.B.C.). Hitherto the uncertain future of Empire broadcasting and the legal status of the station, which held a purely experimental license, have prevented this from being done, but it was always foreseen that news bulletins must form a considerable element in an Empire programme service, and provision had been made for this in the scheme for a new station, which is now being carried into effect. As, however, this station will not be available until 1933, it has been decided to introduce a news service from the existing station at once.

The Empire news bulletins will be given at 12.30 p.m. (Saturdays 12.45 p.m.), 6.15 p.m., and 12.0 midnight (12.30 a.m., Sundays 12.45 a.m., 6.15 a.m. and 12.0 noon, N.Z. summertime). These times have been chosen to suit, as far as possible, the needs of short-wave listeners in the Far East and Australasia; in Africa, India, etc., and in Canada and the West Indies, respectively. The first bulletin was broadcast at 6.15 p.m. on Monday, January 4, 1932.

At the same time, in agreement with Marconi's Wireless Company (the owner of G5SW), it has been decided that the station will be closed on Sundays only, instead of, as heretofore, throughout the week-end. Beginning on January 9, therefore, the normal schedule (with the slight difference of timing above mentioned), will be in force on Saturdays as on other week days.

Notes on Reception.

Conditions have been similar during the past week as they were the week before, as shown in the log. RV59 on Saturday morning, from 6 a.m. onward, appeared to be linked up with Leningrad, as during a long talk, which was loudly applauded at times, that city was often called, and a different voice heard as though on relay, as it was not as clear as the main talk.

3ME has been distorted during the last two transmissions, Wednesday and Saturday evenings. This was more noticeable on music than on speech.

W2XAF each Monday, from 3.45 p.m. till 4.15 p.m., broadcasts a song service, apparently from the studio, where they have a choir.

Zeesen is improving but is not heard every morning. When heard it is at better volume than for some time. At 1 a.m. they are excellent at R9.

FYA, on 25.63 metres, was heard on Friday for the first time for several weeks. Tuned in at 11.45 a.m., which is later than their regular schedule. I heard French talk, followed by what appeared to be a relay from America. The station closed at noon with the Marseillaise.

Our Mailbag

(Continued from page 9.)

do with us? We pay dealers 20/- in the £1 for our sets, and they get their profits out of that. Of course we know the dealers say "We're increasing the number of licenses and thus helping to build up the service," and one is still spurred to retort, "And getting paid for it." A lot of us, more or less in the know, take most of these arguments of the trade stations and dealers with a couple of granos of salt, and one is gratified that for the present at least the board does too. We want effective coverage for the whole of New Zealand (including the country) first—then we can talk alternative programmes. The board wants to keep a headlock, or a stranglehold if you like, on its purse, so as to effect that coverage. In the meantime, I for one don't think that very many—even of the unselfish squealers—will fail to renew their licenses next month.—Not in the Trade (New Plymouth).

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At last Radio has been given a Condenser that is moisture-proof. After a searching test, conducted by the I.T. and T. Laboratories, the new Standard Simplex Condensers proved, beyond all doubt, their ability to resist humidity—the bug-bear of radio sets.

The test consisted of storage in an atmosphere of 80 per cent. humidity for four to twelve days, and then immersion in water for four hours. After a three to four minutes' 1000 volt D.C. Test (not a flash test) the condensers showed practically unchanged capacities.

Every Radio enthusiast will immediately realize the importance of this test . . . will appreciate the freedom from "shorting" which the new Condenser gives. Hermetically sealed in a specially-prepared and water-tight container, these new Standard Simplex Condensers will give your set new life. Change over to-day—easy to fix . . . there for years.

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Electric Eye Counts Loaves

ONE large London bakery has applied the electric eye, or photo-electric cell, to the counting of loaves of bread as they came from the ovens on a conveyor band. The eye is mounted under the band and a light source above it. As the shadow of each loaf cuts off the light to the cell, a counting machine is set into operation.

Loud-speaker in Court

SHY witnesses in South African courts who refuse to talk louder at the behest of counsel or Judge now fill the courtroom with their voices whether they wish or not. Court-rooms are equipped with microphones in front of witness-boxes, these leading to amplifiers. Through these the lowest-voiced witness can be heard distinctly in every part of the room.

"Silent" Paper for Broadcasting

TO end the harsh crackling sounds produced by ordinary notepaper in the hands of a speaker before the microphone, a special "silent" writing paper is now being used in some radio-broadcasting studios. This paper can be shuffled or crumpled without making any sound which would register on the recording apparatus.

Telegrams from Planes

PASSENGERS on some European aeroplane routes are now able to send private telegraph messages while in flight. This is made possible through an agreement on a fixed tariff by the aerial radio service of the route and the post administration offices of Czecho-Slovakia and Austria. The messages are sent by radio to the airports and forwarded by telegraph to the addressees. Code messages are not accepted.

Radio Amplifier Controls Violin Tone

ONE violin virtuoso has equipped his instrument with a radio amplifier which increases the tone volume fiftyfold. The amplifier consists of a phonograph pick-up with loudspeaker mounted, by means of a bracket, on the tailpiece of the violin, its needle making contact with the top sounding board just behind the bridge. Tone volume is controlled by a potentiometer operated by an assistant who can regulate it at will from the faintest pianissimo to a fortissimo of far greater volume than any single instrument would be capable of producing, yet the tone is without distortion and even more warmth and fullness.

Hence the attachment is of special value in executing triumphal music where unusual volume is warranted. This suffices for one instrument, but in a quartet a device is added which equalises and blends the frequencies.

Medical Advice by Radio

WHEN a passenger or member of a crew of a ship at sea becomes ill, the commander of the vessel or those caring for the sick may obtain expert medical advice by radio by applying to a station at Cuxhaven, on the North Sea, Germany. This station is under the control of the German Post Office Department and is specially equipped for giving medical information to ships applying for it. The message for aid is made by radio telegram or phone, and the staff of the Hamburg State Hospital supplies the information.

Robot Boatswain

FORTY loudspeakers compose a robot boatswain's mate on a large battleship recently constructed in England. The telephone-radio equipment, located at strategic points over the vessel, shouts the commander's orders in stentorian tones heard by every member of the crew. At other times the system broadcasts music from the ship's orchestra. As a test before the apparatus was accepted, men with heavy sledgehammers beat on the iron plates to which the speakers were fixed, the amplifiers being required to operate in spite of this abuse.

Daily Newspapers on Liners

WORLD news events are brought to passengers on the trans-Atlantic liners through the medium of a daily newspaper printed in tabloid form each 24 hours of the voyage from information received by radio. Usually the current news is condensed to about 2000 words, the rest of the ship paper being devoted to short features and advertising. In this condensed newspaper, however, the ocean-going reader gets a fairly comprehensive glimpse of world events. Part of the paper is prepared before sailing, the features and advertising being printed beforehand, with one or two pages left blank for the current news. This daily digest is sent to the vessels by radio after it has been edited to bare facts.

Dial System

REMOTE control of the radio now is possible with a dial system, similar to that used in dialing numbers on automatic telephones. By dialing simple number combinations, radio programmes and recorded music can be brought into different rooms of a home from a master radio-gramophone outfit installed in attic or basement. The dial control is mounted on a small ornamental box with pilot light and is installed at desirable locations throughout the house, providing complete operating control of both the radio and gramophone.

Up to eighteen different stations are pre-tuned and adjusted to the master dial unit, to respond to easy code-number combinations, and the automatic gramophone is similarly adjust-

ed. To bring in a radio programme to one of the rooms, the dial is twirled to the code number of the desired station.

In the same way, a code number is dialed to raise or lower volume, start or stop radio music, and to play records or reject them. The volume of each loudspeaker may be separately regulated by any of the dial controls. The code numbers are conveniently listed in the lid of each control box. For the gramophone, the code number of the record-changing device is dialed, and the machine plays a continuous programme of twelve records.

Crime Information by Radio

AT a recent congress of European police officials and criminologists, a plan was adopted to create an international radio clearing house for all information pertaining to crime and the detection of criminals. A Berlin station was selected as the central broadcasting agency and the system already has been adopted by Germany, Austria, Poland Czecho-Slovakia, Switzerland and Hungary. The Berlin station will broadcast regularly crimes committed, descriptions of suspects, or, if they are known, complete information about criminals with pictures, fingerprints, and Bertillon measurements supplied by telephotographic apparatus.

Airplane Control by Radio

AIRPLANES can now be flown so accurately by instruments alone that the human pilot is virtually idle after having once set his course. The pilot of an army plane that was being steered automatically recently submitted to a radio interview, turning his ship over to the robot pilot and conversing with interviewers on the ship and others on the ground, questions and replies being heard by a radio audience. A magnetic compass is responsible for the success of automatic steering.

Heretofore the pilot has had to steer the ship himself, relying on his instruments or on visual observations around him. Now he simply sets his course and turns the plane over to the magnetic compass. A further development is control of the steering equipment by radio beams which are already in use on airways. In combination with gyroscopic devices, the course of flight and the altitude of the plane may be controlled without the pilot's assistance. Altitude is determined by a sonic altimeter, the interval between an emitted note and its echo indicating height, the echo being received audibly or registered on a meter.

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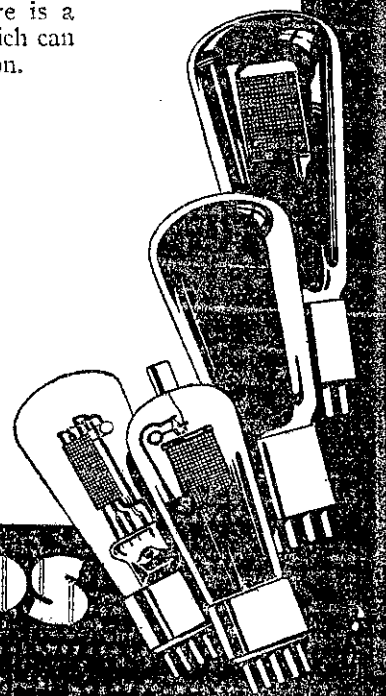
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Tips and Jottings for the Constructor

Shorts in Old A.C. Sets.

IN the older a.c. receivers the insulated leads from the power unit were often pressed tightly together under the chassis. The rubber insulation on these wires hardens and cracks with age, causing short circuits. Trouble originating from this source often is attributed to shorted condensers in error.

Trouble Light for Battery Sets

AN ordinary panel light and socket may be permanently mounted inside the cabinet at any convenient point where it will be found quite handy when it becomes necessary to change valves or look for trouble. Leads may be run from the A battery binding posts and a small switch placed in one side of the line, or flexible leads terminating in small spring clips will do.

Locating Trouble in Push-Pull Amplifier.

WHERE two type-245 valves are used in push-pull and one shows a blue glow, that valve may be defective, or overloaded because the other valve is defective. Both valves should be tested to determine which valve should be replaced.

Red Pencil Prevents Wiring Errors.

WHEN wiring a new circuit it is a good idea to have a red pencil handy and draw a line over each connection in the blue-print as you complete the corresponding lead in the set. In this way a constant check may be kept on the amount of work completed, and no connections will be overlooked. By adopting this scheme, needless checking is avoided, as well as loss through damage to valves and parts.

Drilling Bakelite.

DRILLS dull quickly when used on bakelite and similar materials, but their cutting edge will last much longer if the end of the drill is run through a cake of soap at intervals. Lubricated in this way the work is not spoiled, but the drill cuts a clean polished hole through the material. A flat piece of hardwood should be placed under the bakelite panel while drilling so that the hole will have a clean edge on the underside.

An Aid in Soldering Small Parts.

WHEN two small parts are to be soldered together, it frequently happens that, while heating one part, a previously soldered joint becomes sufficiently heated to come loose. Over-

heating may be controlled by using a thin sheet of copper upon which to lay the work. Sheet aluminium is also suitable for the purpose. A sheet of metal, about 1ft. square, should be employed, and a hole is drilled in one corner for hanging the sheet on a nail when it is not in use.

How to Strip Insulation From Wire.

WHEN building small coils, or wiring a circuit in busbar fashion, the experimenter sometimes requires a length of bare wire. If this is not at hand, it may be prepared by stripping the cotton insulation from the proper-size wire. To remove the insulation quickly, fasten one end of the wire to a nail and rub the insulation with a strip of medium sandpaper. Heavier wire, covered with rubber or fabric insulation, may be rolled into a coil and placed in a fire, and after the insulation has been burned off the wire is brightened with sandpaper.

Removing Film from Antenna Insulators.

WITHIN a few months' time antenna insulators will gather a film of soot that will lower their efficiency. This is true of any type of insulator, and the lowered insulating value is quickly noticed in amateur transmitting installations. The effect in standard broadcast receivers is noted by the increasing difficulty in tuning in distant stations. It is a good plan to lower the antenna at least once every six months and wash the insulators with warm water or carbon tetrachloride, after which they should be polished with a soft rag. At this time, the antenna should be inspected for bad connections, and the guy wires and lead-in checked.

Adjusting Screws.

SOME screws in a receiver do not need to be permanently locked in position; in fact, they should work easily in their threads, and it is worth while giving such screws a dressing of lubricant before screwing them in. Screw-adjusted components, for example, will work much more sweetly if you put a little graphite on the thread. If you cannot obtain the graphite as such, grind up the lead of a very soft (BBB) pencil finely. Add the smallest spot of thin oil, just enough to bind the particles together into a paste.

Smear a very little of this paste on the thread of any screw, in wood, ebonite or metal, which you may wish to use in operating or to remove again later. You can then be certain that it will not stick firmly in position. The lubricant will also save wear on fragile

threads, such as those cut in ebonite or bakelite.

Security, when you wish your bolts and nuts to remain firm indefinitely, can be ensured by the application of shellac varnish after tightening up. Apply the varnish with a brush over both bolt and nut after assembling, warming the metal if possible to make the varnish run into the threads more readily. Do not touch the varnish until it has set hard.

If you should need to release the nut at any time, warm it first with a hot soldering iron, when the varnish will soften. Methylated spirit dabbed on with a brush will have a similar effect, if the nut is inaccessible for the hot iron.

Machining Aluminium Radio Panels.

A PLEASING machine finish can be given to aluminium radio panels with a round piece of wood and a drill. A piece of broom handle or dowel stock, about 3in. long, may be used. A large nail, with the head cut off so that it will fit the drill chuck, is driven into the centre at one end and a piece of fine emery paper is fastened to the other, where it is held by a rubber band. A hand drill can be used, but a small electric drill is preferable. The panel is placed on a flat table and clamped down. The emery-covered end of the tool is brought firmly against it and spun rapidly, thus removing the shiny aluminium surface in a circle as large as the end of the stick. The process is repeated until the entire panel is covered with these overlapping circles.

DO not make marks on the back of the panel with a lead pencil, as the pencil mark affords a high resistance conductive path on the ebonite surface, and impairs its insulation.

WHEN looking for a cheap cabinet or for a good method of staining a box, do not forget the possibilities of leatherette or American cloth, which, glued down carefully, is capable of giving very pleasing effects.

WHEN two equal resistances are connected in series, the total resistance is doubled. When two equal resistances are connected in parallel with each other, the total resistance is halved.

DO not drop your telephones or knock them unnecessarily, as the permanent magnets of these (or of loudspeakers) are injured by mechanical shocks.

WHEN making your own coils from a description, be very careful that the direction of winding is as indicated, or otherwise you may fail to get reaction effects.

IF for any reason it is necessary to remove the diaphragm from the telephone earpiece, it should be slid off sideways, and not pulled up from the magnets, as this is liable to bend it.

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