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AND
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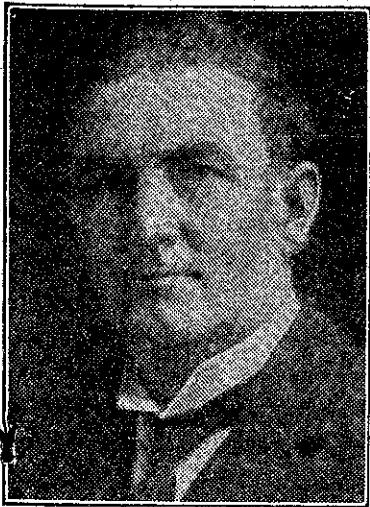
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MR. G. McNAMARA
Head of Post and Telegraph Department,
under whose purview the national development of radio would fall under the Government plans
—S. P. Andrew, photo

other words, the Government has decided to plunge into an experiment involving an unknown expenditure, without even adequate appreciation of the complex and harassing difficulty of arranging hundreds of programmes annually, to suit a catholic variety of tastes in a vast audience of extremely sensitive critics. If the Broadcasting Company had relinquished its license in despair, there might have been some excuse for the Government's calling on its technicians to keep the service going, but its action in deliberately assuming the responsibility is incomprehensible. There has never been a more foolish example of State interference in a field positively marked for private enterprise nor one that will be more vehemently condemned by the general public."

THE "Times," Christchurch:—"It is not clear from the Minister's statement whether he proposes to continue the present policy of entering into a contract with a broadcasting company or whether he proposes to saddle the Post and Telegraph Department with the business of broadcasting. His remarks left room for the latter inference. Public opinion, however, will certainly not tolerate any extension of Government activities in this direction. It is perfectly proper for the Government to maintain control of broadcasting, to insist on the provision of suitable equipment, to arrange the hours of broadcasting, and to see that the stations provide a satisfactory service. A Government broadcasting service, on the other hand, would be an incessant nuisance. As for the B class stations, the Minister seems to be contemplating a move that would simply make for confusion. If minor stations are licensed they will either have to carry on under present conditions, which means that they cannot be commercially profitable, or will have to be subsidised out of license fees from listeners, impairing the efficiency of the main stations; or else they will have to be given the right to broadcast advertising. Once a B station becomes commercially attractive there will be a rush for permits to broadcast, and it will be impossible for the Government to deny licenses to any if it

KEEN interest has been displayed by the Press in the announcement regarding radio made by the Postmaster-General. Leading articles have appeared in most influential papers, and almost wholly look askance at the idea of the State intruding itself into this field. In view of the importance of the matter to listeners we give excerpts from leading papers:

The "New Zealand Herald" states:—"The scheme is either grossly extravagant or too pretentious to be realised, and therefore represents promises that cannot be fulfilled. Mr. Donald admits that the provision of programmes has still to be arranged, but professes to be confident that, with suggestions from members of Parliament and others, this will be a simple matter. In

Still in the Melting Pot.

FOLLOWING on the announcement made on Monday, October 6, as to the Government's intentions regarding radio, the Postmaster-General has announced that the scheme is still "in the melting pot," and he preferred for the present not to elaborate the scheme in detail as it had not been finally worked out. However, the idea was that the Post and Telegraph Department would assume control of the technical side, attending to such matters as keeping the equipment in order and up to date. No plan had yet been developed as far as the broadcasting of programmes was concerned, but it was not intended that the department would conduct that part of the business. Mr. Donald expressed confidence that his department could attend to the technical work at the broadcasting station without any material increase in staff.

Subsequently, in the House of Representatives the Hon. J. B. Donald, in reply to an urgent question by the Leader of the Opposition, Right Hon. J. G. Coates, agreed that no financial commitments would be made by the Government concerning its plans for the future of radio broadcasting control until Parliament had had a chance to review any scheme drawn up. Drawing attention to the Postmaster-General's outline of the Government's intentions concerning radio control, Mr. Coates said expenditure would be necessary to give the scheme effect and in addition the question of policy was also intruded. He asked that before any commitments were made concerning expenditure full particulars of the Government's proposals should be placed before the House, including the estimated capital cost and the annual charges. Parliament would be rising shortly and he felt that the House should at least have a chance to examine the proposals. Not until it had had that chance should the Government take any action. Mr. Donald said he would give the assurance asked.

State Control of Radio

Ministerial Scheme not yet Mature

Parliament to discuss Proposals before final Commitment

issues one. The Minister has only to study the conditions obtaining in North America to realise that there is a real danger in weakness on this subject."

THE "Press," Christchurch:—"In announcing the Government's intention of placing the control of broadcasting in the hands of the Post and Telegraph Department, the Postmaster-General gave the odd impression that he was driven to speak before he was quite ready. The sketchiness of this "policy statement" was one sign of haste. The fact of its preceding any notice to the Radio Broadcasting Company, although the Minister "would have liked" to notify it first, was another; and when Mr. Donald collects himself and is able to fill out some of the blanks in his story, he may explain why he could not wait to tell it more completely or even delay it long enough to break the news to the present licensee, as he wished. However it is carried out, the change announced is sufficiently important and threatens a sufficiently great public expense to make it highly undesirable that there should be a rash or uncertain step at any stage. So far, it is not easy to be confident. Even



HON. J. B. DONALD
Postmaster-General, whose radio plans have excited general interest and controversy.
—S. P. Andrew, photo

if it is a habit of Mr. Donald's, which he illustrated a few days ago, to be a little uncertain of what he should say and when to say it, the Government appears to have made up its mind to undertake both great responsibility and great expense, and yet has decided "nothing definite . . . concerning the actual plan."

"Perhaps the most necessary suggestion (Conclusion page 2.)

to make is the warning that neither the Post and Telegraph Department, nor Cabinet, nor any conceivable committee of Parliamentarians is likely to do anything but bungle the job of reorganising the programme policy, and they must all leave it alone. A State Department, or a branch of a State Department, ought no more to control what goes into the microphone and comes out of the loud speaker than it ought to control literature, art, the pulpit, or the Press. It will be reassuring to hear—if it is the truth—that there will be no such attempt."

The "Sun":—"Broadcasting has now become a national affair, and it is right that it should be under some form of Government supervision or control. Provincial listeners in will feel themselves entitled to these extra services; but the cost of broadcasting is going to be heavily increased. The position would then be that the Government would either have to increase the license fees, or, failing that, rely on a large increase of licensed listeners-in. The number of licenses now held is in the neighbourhood of 50,000; but the Postmaster-General in his statement said that he thought the number could be increased to 100,000. If that can be done, there should be no reason to fear fee increases; but on the other hand there is everything to be urged in favour of a reduction in license fees for crystal sets."

"Star," Dunedin:—"The Broadcasting Company has been far from satisfying all its listeners; that would be an impossibility for any control. In the service which it gives, however, the company has very greatly exceeded the minimum requirements made of it by its contract, and the tendency has been continually to do more. The company has borne the labour and the cost of putting broadcasting on an established footing; in those inaugural years it has had no opportunity of earning the limit of profits allowed to it by its agreement; and it appears unlikely that its money would have been put into such an enterprise if it had not had good reason, from a previous Government, for thinking that, provided the best was made by it of early difficulties, its contract would be renewed. The calculation may have been made that, now that the heaviest spade work has been accomplished, with a department already in being, to take over the service and with the fees from listeners and dealers which it would receive, the Government would stand no chance of losing by its assumption of control. But the improved stations and the new stations which have been foreshadowed cannot be had for nothing; the time is the worst of all times for new Government expenditure on what is, after all, merely a luxury; and Government calculations of the financial prospects of new enterprises that are embarked upon can be sadly belied in practice. A Government broadcasting service, there is reason to fear, would be most likely to become a very routine, unadaptable service once it had been established. It would be no new experience if it should prove much harder to obtain improvements of it than from a private company; and it is not clear but that the services of the present company might be relieved of their chief hindrances to improvement by a revision of its contract with the Government."

"Star," Auckland:—"Many New Zealanders may ask why the Government, which has its hands so full of difficulties, should add to them by taking over the broadcasting stations and services. It is true that the company does not satisfy everybody, but it is reasonable to suppose that the service will improve still further, and what broadcasting system is there that is not a target for criticism? The Government cannot think that it is going to have an easy time as entertainer. The only justification for this unexpected change is the intention, expressed by the Postmaster-General, to add to the number of stations and bring all humble customers into the system. This should be a popular move. On the other hand, with one's experience of Government enterprises, one cannot help feeling doubtful about the finance of the scheme and the quality of the pro-

find another State service on his hands for subsidies. The Postmaster-General can be given credit for the best of intentions, even if he has acted precipitately, but it may be hoped that he will take time to reconsider what appears to be a hastily-conceived and ill-advised decision."

Amateur Song-Writers

ABOUT 250 entries were received for the IYA song-writing competition, which aroused much wider interest than was anticipated. When the awards have been made there will be a further competition for the musical setting. Finally the prize song will be broadcast with its best musical setting.

Readings from IYA

A REGULAR feature of the IYA programmes which is deserving of more notice than it is apt to get, is the literary selection given by the announcer, Mr. Culford Bell, during the afternoon session. Some particularly good essays on a wide variety of topics are secured for this, and last week we were given an excellent short story, "Call Up" congratulates Mr. Culford Bell on his consistently well-selected readings, and also on his very capable delivery of them.

"Radio Record and Electric Home Journal"?
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Recordings of Overseas Programmes

WE understand from the Broadcasting Company that the special equipment required for reproducing the electrical recordings of overseas broadcasting talent, which was the subject of investigation by Mr. A. R. Harris during his recent visit to America, is now in New Zealand, and the first installation will shortly be made at 2YA.

It is also understood that the sample recordings of overseas programmes procured by Mr. Harris have also arrived, and that they will be appearing on 2YA programmes as soon as possible after the equipment has been installed.

grammes. It is important to know what the taking over and the additions are going to cost the country and what are the estimates of annual revenue and expenditure. Moreover, in State control of a monopolistic publicity and entertainment service there is an obvious danger to freedom of thought and expression."

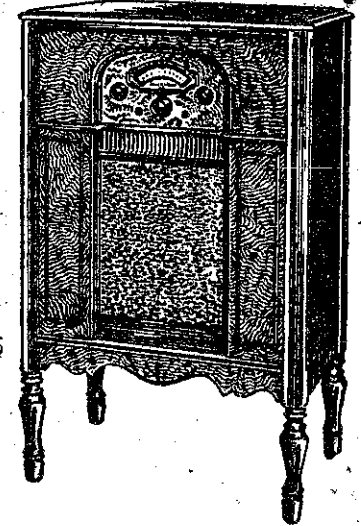
"Dominion," Wellington:—"Much water will flow under the bridge and, incidentally, a general election will be held before January, 1932, when the present Government proposes to take over the radio broadcasting service. Listeners should therefore not worry overmuch at a hypothetical event still far removed in time. Apparently the Government intends not only to elaborate the existing stations but to add seven new ones in provincial centres, each as good as or better than those already functioning in Auckland, Christchurch or Dunedin. That will cost money when State funds are supposed to be low. As a matter of fact the present licensee is reported to be willing to make these extensions. If that is so, why should the State step in to create a new department, more officials and fresh liabilities and at the same time lose the tax revenue it draws from the present company? The answer may be service. But since when did the State give better service at the same or even at a much higher price than private enterprise? Listeners should be very critical of this suggested transfer to officialdom and the general taxpayer on his guard lest he



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"Il Trovatore" from 2YA



Verdi's Great Opera Presented by



Signor Lucien Cesaroni

melted by the helplessness of the Count's innocent child, Azucena resolved to cure him and rear him as her own. Thanks to her care and devotion, the tiny boy had grown into Manrico; and to Azucena's love was now added an intense pride in his achievements. He had become as dear to her as though he were her own flesh and blood.

Disguised as a troubadour, Manrico serenades fair Leonora beneath her window, and there are many stolen love meetings between the devoted pair. When the Count at length discovers that he has a rival in Manrico, the cause of Leonora's coldness is explained, and his fury knows no bounds, especially when he thinks of the difference of rank he supposes to exist between them. It exasperates the proud nobleman to think that a lady of Leonora's rank should deign to stoop so low as to accept a base-born minstrel as lover.

The Count interrupts the lovers one night, and a fight ensues between the two men. Manrico is soon wounded, but despite his injury he vanquishes the aggressor, and has him at his mercy. Scorning to slay a disarmed man, he spares the discomfited Count, who goes off muttering threats of vengeance against Manrico, against Leonora, against Azucena. It is rumoured that Manrico has been killed in the duel. Leonora, hearing this, is broken-hearted and, tired of life without her lover, prepares to take the veil. The Count has plotted to abduct her outside the convent, but is once more foiled by Manrico, who by this time is at the head of a body of trusty followers.

Leonora and Manrico are compelled hastily to take refuge in the Castle of Castellar which is presently besieged by Di Luna and his vassals. In the end they prevail, the castle is stormed, Leonora escapes, but Manrico is taken and thrown into a tower cell. Azucena, too, has been captured by the son of her enemy, who has an evil joy at finding her at last in his power. He proclaims that she, like her mother before her, shall be burnt as a witch. They confine her in the same cell as Manrico.

News of the fate, that di Luna has arranged for his rival, comes to Leonora's ears and, demented with fear, she seeks out the fastness in which her lover is imprisoned. Standing beneath this tower which holds him in bondage, she hears him singing a farewell song, for on the morrow he is to die.

A last despairing hope springs into Leonora's breast. She will make a final fight to save Manrico, whatever the cost such an attempt may call for. It so happens that, with this intention planted firm in her heart, the Count di Luna comes upon her. She appeals to him for mercy, she tells him, when all other entreaties fail, that she will be his bride if he will but spare the man she loves. He, after at first refusing to listen to her anguished entreaties, finally promises to consent now she will marry him; so, thinking only of her lover's safety, the luckless girl definitely agrees to the cruel bargain.

Leonora is permitted to go to Manrico's cold dark dungeon, to tell him he is free. When he hears the hideous terms on which he is to regain his longed-for freedom, he concludes that Leonora, to avoid the Count's odious embraces, has taken poison. She dies in the arms of her lover, who, heart-broken, realises at last the extent of her devotion. Now he cares nought for life, and makes no attempt to escape.

The Count di Luna rushes in, and, finding Leonora dead, orders that Manrico be beheaded forthwith. Azucena is dragged off to witness the crime. As she falls, dying, to the ground, she tells the bewildered, horror-stricken oppressor that he has murdered his own brother. The gipsy has had full revenge.

THE opera contains many delightful airs and choruses. Of these the latter one stands out as being included among the most beautiful of the world's concerted numbers—it is the Gypsies or Anvil Chorus. We are, in the beginning of Act One, transported to the mountains of the Gypsies, and introduced to them singing in their forges. The number contains all the swing and rhythm that is necessary to make a perfect picture of the simple mountain folk welding their plow shares. In the background rings the metal as it is struck on the anvils. This number will be presented by Signor Cesaroni and Company at about 8.34 p.m.

Two other of the best known airs are the "Miserere" and "Home" (Concluded on page 21.)



J. Rand

On the evening of October 24, Signor Lucien Cesaroni will present from 2YA the best-known excerpts of Verdi's grand opera, "Il Trovatore." From the story of the life of this great Italian composer it will be recalled that this was one of the three operas that made their creator famous, and indeed it is one of the world's greatest grand operas. It was first produced at the Apollo, Rome, on January 19, 1853, and has since been produced in theatres the world over.

Its principal characters are:—

MANRICO—A young troubadour of mysterious birth. (Tenor)
COUNT DI LUNA—A nobleman (Manrico's brother). (Baritone)
LEONORA—Loved by Di Luna and Manrico. (Soprano)
AZUCENA—A Gypsy woman, who passes as Manrico's mother. (Mezzo-soprano)
FERNANDO—A captain under Count Di Luna. (Bass)

It is interesting to note a story that is told of the opera, and its connection with some very fashionable opera patrons who once attended a fancy dress ball in the make-up of their favourite opera—"Il Trovatore." On being asked the story of the plot the amazing discovery was made that none of them had the faintest notion of what it was about. The plot is certainly intricate, and the outline we give must necessarily omit many of the details. Otherwise it would not be able to be followed.

MANRICO, hero of the fifteenth century wars, has returned to his home in Northern Spain, with all his blushing honours thick upon him, and, as though that were not enough, has just been proclaimed champion at the tournament and crowned victor by the lovely Countess Leonora. Small wonder that she should love him and he love her. But, as ever the course of their true love does not run smooth. Leonora's beauty has long appealed to the dissolute, arrogant Count di Luna, who holds sovereign sway over the district and all within it. He has marked her down as his prize, but as she is of birth as noble as his own, no simple abduction will avail him; he must force her to accept his hand in marriage. And this she will not do, since she loathes him as intensely as she loves her splendid soldier.

Manrico's birth is doubtful. He is generally supposed to be the son of the proud, handsome gipsy woman Azucena, whose fondness for the gallant youth might well seem to justify this assumption. But when Manrico visits his reputed mother in the gipsy encampment, she is impelled at last to reveal to him the truth. He is not her son, but the younger brother of the Count himself. He was once the child she had intended to destroy.

Then Azucena tells Manrico the whole tragic story. Her mother—also of gipsy blood,—was falsely accused of having bewitched the sickly infant son of the former Count di Luna, and was mercilessly burnt. Azucena, then a young woman, was infuriated at the atrocious treatment of her mother, and determined to have full revenge. She stole the ailing child and, as she thought, threw it on the still burning pyre, where it perished. But by some mischance her own child took the place of the noble baby; thus her revenge had recoiled on herself. Mourning her own loss, and

The New Zealand Radio Record

—AND—

Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

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WELLINGTON, FRIDAY, OCTOBER 17, 1930.

THE RADIO PROPOSALS.

IN writing last week we accepted the Postmaster-General's statement, made by him in the House of Representatives upon the broadcasting service, as being a considered and decisive one. It now appears from his further remarks that this is not so, and that his words do not convey the full face value ascribed to them. The position seems to be that, while the Minister has decided that the Radio Broadcasting Company's license will not be renewed, decision has not been reached yet in regard to the extent of the Government's course of action at the termination of the Company's contract. The Minister seems to have adopted in broad outline the scheme for expansion submitted to him by the Company itself some two years back, under which it was prepared itself to undertake the capital expenditure involved in the erection of the necessary subsidiary stations under conditions involving an extension of the contract and adjustment of the term of the license fee. While the Company doubtless had worked out in detail the cost of the exact proposals made by it, it does not appear that the Government, on the Minister's statement, had made a similar examination of the facts and the costs involved. Hence the Minister's disclaimer to the effect that the scheme was still "in the melting-pot" awaiting finality in regard to the extent of the stations to be erected, their cost, and—most important from the listeners' point of view—decision as to the measures to be taken to provide programmes from the main and subsidiary stations, once they were erected. In those circumstances it is practically impossible to subject to analytical discussion proposals which are not yet clear—in fact, since the proposals are so nebulous, the question might be asked

why was the statement made at this stage? Quite rightly, in view of the importance of the proposals to listeners, the Leader of the Opposition, Rt. Hon. J. G. Coates, raised the question in the House of Representatives and sought from the Minister an assurance that Parliament, as matters of policy were involved, would have the opportunity of discussing them before financial commitments were entered into. This assurance the Postmaster-General gave, and there the matter rests, presumably till next session. The intervening time, it may be expected, will be employed by the Government and the departmental experts in clarifying their ideas, so as to be assured of producing a scheme which will definitely give listeners that improvement in programmes and performances which alone will warrant so important and drastic a change in policy. The cost of effecting such improvement will inevitably have a bearing upon the public recognition of its merits.

AN interesting feature of the situation has been the measure of comment evoked in the daily Press upon the Government's proposals. Most of the leading newspapers discussed the matter editorially, and, in broad terms, viewed the Minister's statement unfavourably. Even Government journals questioned the wisdom of the scheme. Opposition was based mainly upon the ground of it being unnecessary to invest public money at a time when conditions are bad in a venture which private enterprise had shown itself capable of adequately fulfilling. Further opposition was based upon lack of confidence in economical administration of a public utility by a Government department, particularly in a field where individuality and enterprise are so necessary as is the case here. Definite danger was foreseen of costs unduly mounting by reason of the fact that the Government, and not a private company, was concerned. Dread, too, that the broadcasting service, once under definite Government control, would be subject to political manipulation was expressed. Altogether the reception by the Press of the Government proposals is not favourable. This opposition, particularly in the conditions obtaining now, is significant.

AS we pointed out last week, two main interests are involved: first, that of the listener himself; secondly, that of the taxpayer. Proposals for betterment will inevitably find favour with the listener. It is important, however, that those proposals shall involve real and permanent betterment, and not be of a character which, giving temporary advantage, may ultimately leave a train of dissatisfaction. From the taxpayer's point of view, he is primarily concerned that benefit to the few shall not be at the expense of the many; in other words, that the service supplied by radio—whether it be regarded as a luxury or a necessity to those benefiting—shall be self-supporting, and not a national charge. We and listeners are wholly concerned with the development of the radio service on a basis likely to be permanently satisfactory. Hence the proposals of the Government, when finally clarified, will need to satisfy searching examination. Trade interests themselves are investigating the position with a keen scrutiny, and it is significant that their reaction, as in the case of the Press, is far from being wholly favourable to the suggestions made by the Minister.

Battery Sets Still Selling

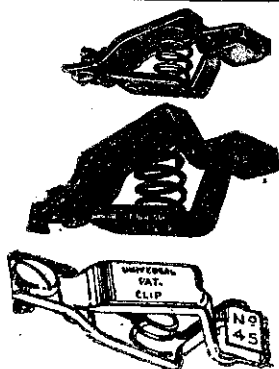
Radio for Hospital

AN interesting feature in connection with the sale of sets was mentioned recently by a radio dealer. This was that there was still quite a big sale for battery sets, even in areas equipped with power. The explanation is that in some areas the transmission lines are so overloaded that leakages and radiations are marked, with consequent heavy interference in reception to the listeners in that area. Battery sets do not pick up so much of this interference as the A.C. sets; hence the recurrence of demand for the battery sets.

IN order to open the Wellington campaign to provide funds for the establishment of radio in the Porirua Mental Hospital, a special concert was held in the Town Hall on Saturday last. An encouraging attendance witnessed a very fine concert, the broadcast of which came over splendidly. It was arranged by 2YA, whose artists provided the entertainment. The arrangement of the programme speaks highly for its organiser, for there was a splendid variety of meritorious performances. During the evening there were several speeches. A surprise was that of Lord Bledisloe, who graciously responded to an invitation and made an impromptu speech.

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Trampers Broadcast

An Unusual Programme

TRAMPING is an activity which has become very popular of recent years, and the announcement that the concert given by the Auckland branch of the Alpine Sports Club is to be broadcast is not without interest. The concert will be held in the Lewis Eady Hall.

From a foundation membership of twenty-five on March 1, 1929, the club has steadily grown, and at the present time its members total 150. The primary objects of its constitution are to encourage walking, climbing, and alpine sports in New Zealand. With the gradual development of our alpine playgrounds and the erection of modern hostels and lodges in the heart of the highlands, has come a realisation by many whose daily occupations are of an indoor nature that the mountain regions have much to offer the sportsman or holiday-maker who visits them from time to time. Exhilarating winter sports, climbing, and walking tours form but part of the activities of the club parties when on tour.

To promote good fellowship among mountaineers, mountain climbing and mountain exploration, and a little knowledge of the mountains through literature, science, and art, sums up one of the guiding principles of the club's work during the past sixteen months. At the evenings which are a feature of the life of the club in Auckland, an endeavour is being made to inculcate those principles that make for safety in mountaineering. It is on the ability of a party to work harmoniously in action and by co-operative effort among members of a climbing party that really successful and enjoyable climbing and exploration expeditions depend, and it is through the practice of the known principles of the sport that the organised climbing parties of the club achieve their greatest success.

The outdoor activities of the club are not restricted to mountain climbing. A special feature of club outings is the regular weekly tramps on the Waitakere Ranges and to the west coast, where some of Auckland's finest scenery is to be found. Everyone who wishes to hear further of the "Delights of Tramping" should listen-in to 1YA on Thursday evening, October 23.

"A Mystery Man"

THE 3YA radio children had introduced to them recently a "mystery man" (Mr. Ashleigh Phear, son of an Indian judge), who told them thrilling stories of animal life in India. Ladybird induced him to come along to the microphone, and he has promised to broadcast frequently. Except for the time he was in England receiving his education he has spent all his life in India, but is now resident in Christchurch.

"Radio Record and Electric Home Journal"?

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Children's Sessions

From 1YA.

TUESDAY, OCTOBER 21.—Once again Uncle Dave will talk to "Mike," and cousins will sing and present a playlet.

WEDNESDAY.—A particularly melodious programme this evening, for four boy sopranos will be present, singing together and separately, while Uncle Tom will tell stories and relate some of his jokes.

THURSDAY.—The choir from the Normal School, who will make their reappearance after a long absence, will be welcomed. Peter Pan will be in charge of the session.

FRIDAY.—A cheery hour with Nod and Aunt Jean; listen to their stories and songs, and Cousin Kirk singing, too.

SATURDAY.—Cinderella among the girls. Miss Gunman is bringing her girls' choir, so be sure and tune in at 5 p.m. and don't miss any of the fun.

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

From 2YA.

MONDAY, OCTOBER 20.—We have had a Scottish and an English evening, now to-night we will have a special Irish programme, which Cousin Jeane has prepared for us. Uncle Jeff will be in charge of the session.

TUESDAY.—An interesting programme based on "Jack the Giant-Killer" has been arranged by the pupils of Miss Ethel Mackay for to-night. Big Brother Jack will be here with Robinson to meet "Jack the Giant-Killer."

THURSDAY.—A miscellaneous programme with stories, songs and recitations is to be given by the pupils of Mrs. Percy Woods. Uncle

George will act as host for the evening.

FRIDAY.—Mr. Maunder has arranged the programme for to-night. There are to be choruses, trios, violin solos and stories. Story Book Lady and Uncle Jim will help entertain.

SATURDAY.—Uncle Toby will be here to-night with Cousins Lucy, Agnes and Athol, who will sing, recite, and tell fairy stories.

SUNDAY, OCTOBER 26.—Uncle George will conduct the song service, and the choir work will be done by the Wellington South Church of Christ under the conductorship of Mr. Thomas.

From 3YA.

MONDAY, OCTOBER 20: Children's stories by Scatterjoy and the Mystery Man, tunes on the zither by Gwen and several little songs by Evelyn.

WEDNESDAY: Uncle John has some delightful stories to tell to-night and there will be songs and choruses. Mr. Laing will give us a short talk on the aims and objects of the League of Nations.

THURSDAY: Little stories and little songs for little people by Ladybird, Uncle Frank and Uncle Dick.

FRIDAY: Stories by Peterkin and the Pigeon Bay School choir under Mr. Hector G. Brown will give solos, duets, recitations and jolly part-songs. There will also be a mouth-organ solo.

SATURDAY: Aunt Pat will tell stories and will sing her songs with Uncle Charlie. Everyone likes his English songs and compositions of his own.

SUNDAY: OCTOBER 26: St. Andrew's Presbyterian Sunday School scholars will provide the song service and there will be a talk by the Rev. Alexander McNeur.

Empire Broadcasting

SOME weeks back we mentioned that proposals would be submitted to the Imperial Conference for the establishment of a broadcasting station to serve Empire needs on a shortwave length. It was understood that the Colonial Office was prepared to find a capital sum of approximately £23,000 for the erection and maintenance of a station to be run by the technicians of the B.B.C.

The subject was raised before the Imperial Conference by Mr. Forbes presenting a remit originally passed by the Wellington Amateur Radio Society urging the erection of an Empire broadcasting station. According to cabled reports the discussion revealed that this was practically impossible at present for financial and technical reasons, but the committee was awaiting the views of the B.B.C. experts. The cost of a station capable of broadcasting reliably over the whole Empire would, it was stated, be enormous, and could only be partly met by Britain, leaving the Dominions and colonies to contribute the balance. The general

financial position throughout the Empire at present made the possibilities of Parliaments voting grants rather remote. The report stated that the colonies had only 3000 listeners. This would apparently mean 3000 listeners on shortwave, as the total number of listeners is immeasurably greater than the figure given.

The discussion is announced to be continued next week. The full reports when available will prove interesting to New Zealand listeners.

Wellington to London

Radio-Telephone Service

ALTHOUGH the results of radio telephone tests between New Zealand and Sydney are reported to have been satisfactory, the shortwave radio-telephonic service between Wellington and London is not yet ready to be opened. The first conversation will take place about a fortnight hence between the Acting-Prime Minister, Hon. E. A. Ransom, in Wellington, and

Relay from Balclutha

ARRANGEMENTS have now concluded for the relay from Balclutha of portion of the celebrations held in connection with the anniversary of the town. The relay by 4YA takes place on Tuesday evening, October 28.

the Prime Minister, Hon. G. W. Forbes, in London.

Up to the present the only conversations transmitted have been between the engineering experts, who are testing the apparatus during the entire 24 hours of the day and schooling the officers.

"The results so far are highly satisfactory," the Secretary of the Post Office, Mr. G. McNamara, recently stated. "The thing, however, is full of problems. The service between Sydney and London is only working a few hours a day owing to fading troubles. When we get going we do not anticipate much trouble so far as communication between Wellington and Sydney is concerned. To get into touch with London presents some difficulties. For one thing there is 12 hours' variation in time."

In reply to an inquiry as to whether eavesdropping had been eliminated, Mr. McNamara said that it was impossible for the owners of crystal sets to listen-in. "The only persons who can hear now," he said, "are the owners of shortwave sets, and they have all signed a declaration of secrecy. They can hear if they happen to get on to the same wavelength at the same moment, but they must not disclose the conversation taking place."

THE short-wave station, Konigswusterhausen, which is often heard in New Zealand, has recently increased its power to 37 kilowatts.

We can suit You with an Electric Radio Set

PHILIPS Q.P. Set and Speaker £19/15/-

"PLYMOUTH" Screen-grid 5-valve Receiver with built-in Dynamic Speaker £22

"ROLA" Screen-grid Radio in handsome Console Cabinet of Maple and Walnut £38

EASY TERMS ARRANGED.

G. G. MACQUARRIE LTD.,
120 WILLIS STREET, WELLINGTON.

Pioneering Days of Radio

A Dramatic Rescue

THE incalculable value of wireless in preventing shipping disasters is apparent to-day to even the man on the street. The following incident, taken from a magazine dated July, 1913, shows that even at that period, when radio telegraphy was in its infancy, it was already an active agent in saving lives.

"The incident happened at Nassau, in the Bahamas. Just outside the shoal bar—Nassau has no harbour—the cruiser *Indefatigable* was anchored. There was a tremendous sea, the aftermath of a hurricane which had slid past Nassau and missed it by a hair's breadth. The terrific winds had stirred up the usually calm waters of the South Atlantic, sending out in all directions huge waves, veritable mountains of water.

On board the *Indefatigable*, on a tour of inspection, were the officer of the port and the Governor of the Bahamas. They stayed overnight. By morning the big seas had begun to come in, slowly and regularly, lifting the cruiser high in the air, letting her gently down into the valleys of water, and then striking the bar and rushing shoreward a mass of spray and foam. Daylight found the coast hidden by clouds of white.

At eleven o'clock an attempt was made to cross the bar. The Governor was anxious to return, and the commander of the cruiser was under orders to proceed at noon.

The long-boat, with seven pairs of oars, the crew wearing lifebelts, cautiously approached the dangerous passage. A dash was made. The next instant a big wave rose from somewhere, broke in the shoal of water directly behind the boat, and hid it from view. A moment later it emerged half-filled with water, while two of the crew were struggling in the sea perhaps fifty feet distant.

From the cruiser it appeared as if the entire boat-load was doomed. To send assistance from the ship was impossible. The only help could come from those on shore, who, however, could not have witnessed the accident, and with whom communication was cut off.

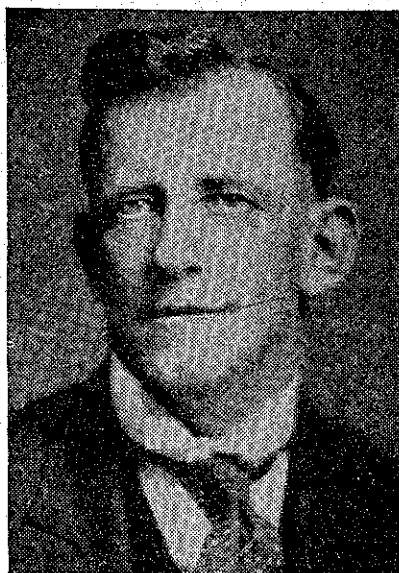
Then came a happy thought. The cruiser was equipped with wireless telegraphy. There was, however, no wireless station at Nassau, but two hundred miles away, on the coast of Florida, lay Key West, with its powerful Government wireless station.

Key West was called. In a moment a response was received. Three minutes more and the message for assistance had been telegraphed from Key West to the Bahama cable office, from there flashed beneath the water to Nassau, where it arrived at the Government building over the telephone. The complete passage took eight minutes. A few moments later a plucky little powerful tender found its way safely across the bar, and rescued the entire crew, who by this time were all in the water clinging to the sides of their overturned boat.

FROM 2YA, on the evening of Monday, October 20, will be broadcast a programme of the works of the well-known Wellington composer, Mr. Claude Haydon, Mus.B., L.A.B. This is of particular interest considering the very successful list of works Mr. Haydon has to his credit. Taking his Bachelor's degree in 1911, Mr. Haydon produced his first opera in May, 1920, at Melbourne. This was the well-known "Paolo and Francesca" with full orchestra and stage settings.

The opera was successfully repeated by the Wellington Harmonic Society in 1926. Mr. Haydon's String Quartet was performed in Vienna on May 27, and the first radio programme was broadcast on June 25, 1928. To his credit is the music of the Children's Radio Hymn, the words of which were written by the "Radio Record" contributor, John Storm.

On the occasion of the forthcoming broadcast from 2YA, a varied programme will be submitted, every item of which is his own composition. Special features will include the "Ballade in E Flat Major," for violin, with orchestra (Miss Ava Symons, soloist), and 'cello and piano-



Mr. Claude Haydon, Mus.B., L.A.B

A Programme by a LOCAL COMPOSER to be Broadcast from 2YA

programme. Mr. F. Haydn Rodway, one of Mr. Haydon's most brilliant pupils, will play three groups of compositions for the pianoforte to include a composition "Five Glimpses of Fairyland."

Mr. C. Wilkie (baritone) will sing in addition to a cycle of songs, two lighter numbers of a humorous type, the words of which are written by New Zealand writers.

The accompaniments are in the capable hands of Mr. Gordon Short, and it is gratifying to note the warmth and friendly enthusiasm shown by all the artists in securing a worthy rendering of items on what promises to be a unique programme.

American Scheme

A Radio University

A RECENT proposal to establish an American radio university for purposes of national education was held to be premature by a committee appointed to consider the scheme. Their report stated that the magnitude of such an undertaking required that experiments be conducted on a smaller scale at first.

Radio and Aviation

IN a recent interview with a representative of a New York newspaper, Colonel Lindbergh, the famous aviator, made some interesting predictions concerning flying and its future. He warmly praised radio as an important safety factor, and prophesied that within a few years every aeroplane, private or commercial, would be fitted with an automatic direction finder, thus enabling pilots to take infallible bearings on radio beacons.

Attack on Interference

Novel French Broadcast

forte sonata to be rendered by Claude Tanner and Madame Evelyn de Mauny, which contains four movements, but on this occasion the first only will be played.

For several of the songs, for example—the entire tenor cycle to be sung by Mr. Roy Hill—Mr. Haydon has written words as well as music. This applies also to three of the four songs which Miss Monica Malroy will present. Well-known 2YA artists, including Miss Hilda Chudley (contralto), will figure on this

PROBABLY every listener knows what radio disturbances are, but not every listener knows their origin. In France, under the general term "parasites"—a well-chosen and very expressive name—are included all varieties of troublesome noises which spoil the pleasure of listeners.

A well-organised movement, known as the "Anti-Parasites League," has been inaugurated by two French radio journals, and has already by its investigations brought relief to many harassed listeners. To enable a listener to detect the nature of the disturbance from which he suffers, an experimental station at Brussels recently made an unusual broadcast, devoted to "parasites."

First came the purr of household motors, then the roar of industrial machines, followed by the intermittent static-like crackling of tramways. Then he was introduced to his neighbour's use of reaction: "Twee-ee-ee-EET! ee-ee-ee-EET! . . . zzzzz!" He was taught what a heterodyne means: "Zzzzzzeeee. eeet!" He received a faked thunderstorm and experienced the joy of having a high-tension line running near his home.

These revelations must have been intensely interesting to the happy listener, free from any annoyance, but were probably too acutely reminiscent for the martyr of "parasites" to enjoy.

Radio in the Arctic

An Indispensable Messenger

LISTENERS in Canada often pick up messages from the Canadian National Railways broadcasting stations in which instructions are given to the railroad engineers and the outlying Hudson Bay trade posts.

Quite recently the Canadian Government broadcast instructions to the post at Cape Dorset, Baffin Island, regarding food supplies. The delivery of such a message before the days of wireless would have meant many weeks of travel by sled and canoe.

The railroad engineers in the more lonely parts of the system invariably carry small receiving sets, and tune-in for instructions from headquarters at regular intervals.

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Trade Notes

The New Portable

THERE will appear on the local market in the course of the next few weeks a new Philips portable radio set, which will have a special appeal to car owners, in view of the advent of the summer season. It will be contained in a polished walnut cabinet, with a carrying handle, and will be provided with a waterproof cover. Equipped with four valves, it will have an effective range for reception.

JANETTE ROTARY CONVERTERS

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- 2.—Cosmos (Metro-Vick) 2-volt Red Spot Valves. Eng. or UX Base. Usually 13/6. Now 2/6
- 3.—0003 Pilot Variable Condensers. Usually 7/6. Now 3/6
- 4.—2, 3 and 6 ohm. Centralab Rheostats. Usually 3/-. Now 9d.
- 5.—45-Volt Ray-o-Vac. B. Batteries. Usually 20/-. Now 15/6
- 6.—Pilot 1281 Single Drum Dials. Usually 20/-. Now 7/6

The above prices are for one week only.

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Electric Lamp House,
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WELLINGTON.

NOTES and NEWS
from the NORTH

OUR Auckland correspondent "Call Up" writes:

Mr. A. B. Chappell, M.A., who regularly gives topical talks from 1YA, chose as his subject for Tuesday the airship R101. His talk, which was really a very vivid description of a journey in a modern airship, was one of the best he has given listeners, and evoked wide interest. At the conclusion of the talk the station staff stood

Visit of Dutch Warships

THE civic reception, which is to be accorded to the admiral and officers of the Dutch fleet at noon on Friday, October 24, at noon, is to be broadcast by 1YA.

in silence for a minute as a mark of respect for those who perished in the R101, and Mr. Chappell asked listeners to do the same.

STATION 1ZH, Hamilton, gave a special concert on Wednesday, October 8, for the members of the Radio Service Club. A number of special soloists rendered items, including Mr. J. F. Montague, a well-known 1YA entertainer. The Radio Boys' 1ZH Orchestra made their first appearance over the air, rendering a number of popular items.

THE half-hour lecture recital on Rosini, which was given by Mrs. Daisy Basham and Mr. Len Barnes on Tuesday evening, was most enjoyable. Mrs. Basham described in her usual pithy style the life and accomplishments of the celebrated Italian composer, and Mr. Barnes sang two of his songs. These lecture-recitals are always worth listening to, and should do a great deal of good work by interesting listeners in classical composers, and encouraging their appreciation of good music.

AUCKLAND listeners have not heard very much from the local B class stations lately. Station 1ZQ, Mount Albert, was forced to close down owing to continued complaints in regard to its interference with 1YA, and although it has drawn up a new schedule of broadcasting hours which do not clash at all with 1YA, it cannot use this until it has been sanctioned. Meanwhile the little station is completely silent. When it moves into Queen Street, as it intends to do shortly, it should be able to come on the air again without causing any interference. Owing to alterations and improvements to its transmitting apparatus station, 1ZB, Karangahape Road, has also been off the air temporarily.

WHAT with races and wrestling there has not been much silence about 1YA on recent Mondays, and listeners have been receiving many hours of extra service. In fact, although it is the station's official silent day, it has lately been several times the longest broadcasting day of the week.

A SHORT talk by Colonel B. J. Palmer was given from 1YA on Wednesday evening. Colonel Palmer, who is prominently associated with broadcasting in the United States, is at present touring New Zealand, and his talk, although quite unconnected with radio matters, was interesting.

MRS. DOROTHY SINGER, who died on October 7 through taking poison accidentally, was one of Auckland's leading musical lights and had often been heard from 1YA. She was formerly conductor and pianiste of the

1YA Salon Orchestra, and had also been heard from the local station when playing for the Bohemian Orchestra, of which she was leader this year, and for the Amateur Operatic Society. In addition to being an accomplished pianiste, Mrs. Singer was also well known as a player of the violin and the viola. Her death at the early age of 37 removes one of the most talented and popular of local musicians and is a real loss to the community.

THE Hon. J. B. Donald's recent announcements as to the future of broadcasting in New Zealand have naturally aroused great interest in Auckland. The "New Zealand Herald" published two leaders on the subject, in one of which it referred to his plans as "this hazardous experiment."

Correspondent's View

Australian & N.Z. Programmes

A NEW SOUTH WALES correspondent, in reporting on his reception of a band concert from 3YA, remarks: "I received your programme (a much superior one, by the way, to any of the A class stations here in Australia, and we should be able to judge, for we receive them all)."

Your Last
Chance to Save
On an All-Electric

£5

CROSLEY
BUDDY

Save at least £5 by purchasing an All-Electric Crosley "Buddy" before October 22.

Trade in your old gramophone, wireless receiver or crystal set for a magnificent new "Buddy," and we will give you a MINIMUM allowance of £5. This concession is offered to North Island residents only. As we are making this offer to enable everyone to enjoy the wonderful performance of the "Buddy," only one trade-in will be allowed on each purchase. But you must hurry. There is less than a week to go, as this

Offer Definitely Closes on Oct. 22

Don't delay a day longer, call to-day and hear the "Buddy's" sparkling performance, or send for full particulars.

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

Advertisement of the Crosley Radio Corporation of America.

Laboratory Jottings

Philips Combination

THE degree of sensitivity obtainable with four valves has been ably demonstrated by Philips Radio Combination. In this receiver there are two stages of screen grid, a leaky grid detector and a power pentode with four hundred volts on the plate. This is coupled through a special output transformer to the dynamic speaker, the field of which is energised by a separate transformer and rectifier.

In appearance the Philips is something out of the usual. The two control knobs are mounted on a moulded bakelite case, and the remainder of the set and speaker is hidden away under the cabinet work. The two controls, tuning and volume, make for a decidedly neat appearance, while the two switches, gramo-radio and off-on, complete the panel controls. The drum control comprises a transparent scale with a lamp and hair-line indicator, and is particularly smooth in operation, making very fine tuning possible. The volume control, fitted on the radio side makes an excellent control until a strong local station has to be tuned in, when it is necessary to remove the aerial and substitute it by a small piece of wire. It is interesting in this connection to note that the set will not operate on the local station without an aerial, though when even a foot of wire is used, there is more than ample volume. This illustrates that the shielding is most effective.

On removing the grate covering from the back of the set, one is struck by the very complete shielding, for there is absolutely nothing to be seen except the power pentode and the rectifier. The shielding is all in heavy iron, and is of the appearance that it will stand considerable knocking before altering its shape. The removal of the cover automatically cuts off the current.

Sensitivity.—Though somewhat more sensitive on the higher frequencies than on the low, the set gives uniformly good results. It will bring in the main Australian stations under ordinarily good conditions with a reserve of power and will generally give enough strength in relation to noise to make listening worthwhile. In other words, it is as powerful as is required under ordinary conditions.

The Lure of the Mountains

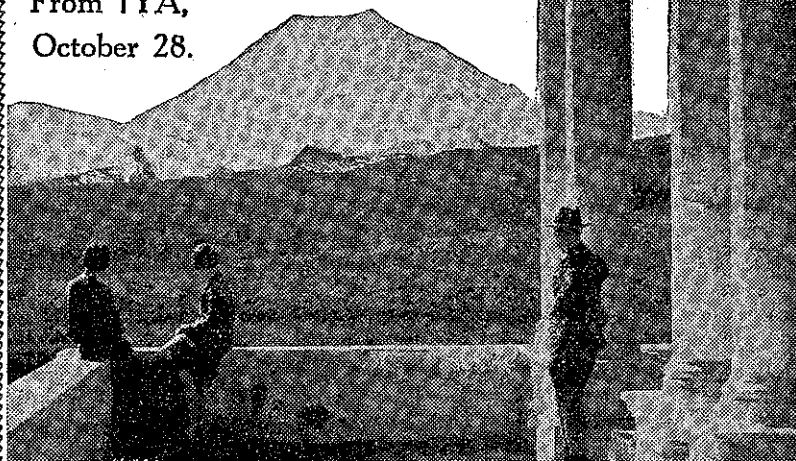
Will inspire a broadcast by the

Auckland Alpine Sports Club

Being

A Relayed Concert

From 1YA,
October 28.



Further increases in power raise the noise level and make the extra power of no value. Under test it was capable of bringing in Japanese stations regularly and an occasional American under very favourable conditions.

Selectivity.—This was such that with a long aerial 2BL could be brought in with only a faint background of 2YA. We have had 2FC and 2BL, but these only late, and rarely. The set is as selective as required under New Zealand conditions.

Advisory Committees Meet

THE 2YA Musical and Dramatic Advisory Committee met on Monday, October 6. There were present: Mr. E. Palliser (chairman), Mr. J. Carr (Charley's Aunt Club), Mr. I. M. Levy ("Radio Record"), Mr. L. J. Retallick (Apollo Singers), Mr. E. W. Pankhurst (C.T. Male Voice Choir), Mr. H. Hardcastle ("Evening Post"), Mr. W. A. Jamieson (Wellington Operatic and Theatrical Society), Mr. W. Robb (Or-

Fidelity.—The tonal qualities are good. It is bright and clear, and is somewhat different from the ordinary. This is due, no doubt, to the pentode in the last stage, and for this reason it takes some time before one becomes accustomed to the tone. After the usual duller sound one is likely to accuse the Philips of harshness, but time dispels this. The definition and the ability to separate instruments is more marked than usual. On measuring the cut off, it was noticed that signals fall off at 4500 and disappear at 6000. The bass goes down to below 40, but this lower register is not accentuated. The high cut off eliminates much of the gramophone scratch. There is a filter in the receiver that gives more prominence to the bass should it be desired, but in our opinion the set is better without it.

Operating Cost.—83 watts an hour or that taken by an ordinary bright light. The cost, where electricity is 2d. a unit, is six hours for a penny—surely moderate. The set will handle comfortable volume for a large room without overloading.

In summing up, the set is one designed for average use without wasting either space or expense on components that will not be required for average use. Everything is of the best and doing its job to the fullest.

pheus Musical Society), Mr. J. Ball (editor-announcer), Mr. J. Davies (station director). Apologies for absence were received from Messrs. Harrison Cook, Bennett, Lyon, and Dawson.

Reference was made to the Postmaster-General's statement, made in the House that afternoon, and a discussion ensued as to the probable effect on broadcasting in New Zealand from the point of view of the taxpayer and the listening public. The chairman regretted that as far as the committee was concerned it would probably bring about the termination of what he considered one of the finest arrangements organised between the company and the societies.

The question of whether or not broadcasting kept people away from concerts was raised by Mr. Pankhurst, and an interesting discussion ensued. During it the chairman, Mr. E. Palliser, said: "For over thirty years I have been connected with the musical fraternity, and I have a big circle of friends in this city who are all musical and who have sets. Not one of them would consider staying at home in preference to going to the actual performance. A man in Kelburn happened to be listening in one night, a very wet night, too, and he heard an orchestra which he thought sounded different from the ordinary studio orchestra. He looked up the programme and found it was the Symphony Orchestra's first concert. He immediately ordered a taxi and he and his wife arrived at the Town Hall before the conclusion of the first item. As a result, the next morning he paid for two subscriptions. I did not know the man. He went out of his way to tell me."

Mr. Retallick added: "We are not doing at all badly. I have had seven new subscribers to-day, with prospects of another dozen. We have had more subscribers since we had our concert than we had three months before. One man after hearing us called on Monday morning and paid us his subscription. He heard us over the air."

Chairman: "We must not overlook the fact that it is the worst year we have had since the war."

AT the monthly meeting of the 4YA Children's Advisory Committee, held on October 2, there were present: Captain Chandler (Salvation Army), Mrs. Denton Leech (National Council of Women and Branch of League of Nations), Miss Feichley (Girl Guides), Miss Hindle (Y.W.C.A.), Miss Telfer (Presbyterian Social Service), Mr. A. H. Williamson (Headmasters' Association), Rev. J. S. Cooper (Anglican Boys' Home), Pastor W. D. More (Children's Organiser), Brother O'Sullivan (Christian Brothers' School), Mr. MacKenzie (station director). Captain Chandler presided.

The main subject for discussion was the question of conducting a general knowledge competition and a sub-committee was set up to go fully into the matter. Mrs. Leech, Miss Hindle, Brother O'Sullivan, and Mr. Cooper were appointed as the weekly visitors to the studio during the ensuing month.

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Government Tourist Agencies.

AS usual, running descriptions of the Caulfield Cup, on October 18, and the Melbourne Cup, on November 4, are to be broadcast throughout Australia by the "A" class stations and by shortwave transmission. Melbourne Cup Day is a public holiday in the Victorian capital, and many thousands who do not attend the races go picnicking for the day. Portable wireless sets are taken on these outings, and the broadcast running description of the Melbourne Cup is heard on the beaches and in many a picnic spot in the bush.

MR. CLAUDE P. GREY, of Shannon, one of the "long-distance radio aces" of New Zealand, still pins his faith to his battery-model receiving set, which, he states, on any night compares more than favourably with A.C. models. Recently Mr. Grey received a printed permit from broadcast station KGMB, Honolulu, offering him free use of that station "to promote education, science, music, agriculture, spiritual and fraternal subjects when they can be broadcast without prejudicial intent, mercenary motives, and for the betterment of the public as a whole." Rumour hath it that Mr. Grey is preparing an address on "The Polemics of the Athanasians" for delivery from the Honolulu station. Perhaps!

"SCREEN GRID" (Opunake) writes: "I notice in your last notes mention of a station between 3AR, Melbourne, and 4YA, Dunedin, which you had been unable to identify. I heard this station fairly distinctly on a Thursday night (September 18 I think was the date), but I could not hear the announcer at all well. However, I thought I heard the word 'Columbia,' so came to the conclusion that it was CFCT, Victoria, British Columbia, as the wave-length (635 kc.) coincides with the listed wave-length of that station. I also heard a station which seemed to be putting over a similar programme (musical) on 690 kc. (just above 6WF, Perth), which I think may have been CFCN, Calgary. The strength of these two stations seemed to be similar. The night in question was a wonderful one for reception. I listened from about midnight until 12.30, and heard no fewer than ten different Japanese stations. I was unable to wait and hear all the call signs, but the usual ones are: JOAK (865 kc.), JOFK (850 kc.), JOGK (790), JOHK (770), JOBK (750), JOCK (830), were operating, and in addition stations were operating on 800 kc., 900 kc., 870kc., 890kc. These four-letter stations are apparently not listed. One other Japanese station on 970 kc. was evidently not open on that evening. I also heard COMK and GOW very distinctly."

LISTENERS from time to time must have noticed a rather flagrant flaw in ringside descriptions of wrestling matches both in New Zealand and Australia. Many an excellent description of these contests has been spoilt by the unnecessary ejaculations or superfluous exclamations of the gentlemen at the microphone. Nothing could be more amateurish than such exclamations as "Oh! Ah! What do you think about that?" etc., etc., and then also the loud guffaws of an announcer when the wrestlers amuse him with their antics. It is all a matter of a little self-control

and commonsense. In the theatre where the audience may be screaming with laughter the performers manage to continue without joining in the merriment. Wrestling announcers should practice self-control in such a case. A commentator on wrestling matches in Sydney is the worst offender.

"TEST" (Kelburn) writes: "I have an idea that my a.c. set is picking up parasitic noises from the house-

Reception Table for Australian Stations

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

2FC, Sydney	10
2LB, Sydney	9
4QG, Brisbane	8
3LO, Melbourne	7½
3AR, Melbourne	7
2GB, Sydney	7
2UE, Sydney	6
3UZ, Melbourne	4½
3DB, Melbourne	4
7ZL, Hobart	3½
5CL, Adelaide	3½
6WF, Perth	2
2KY, Sydney	1½

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

hold electric mains. Is there any method of blocking this?" The source of noise mentioned by "Test" is uncommon. A method of mitigating the trouble is to connect a filter consisting of a 150-turn coil in series with each mains supply lead to the receiver. Further improvement could be obtained by connecting across the mains side of the coils a pair of 2 mfd. capacity by-pass condensers in series, and connecting their midpoint to earth. The job, however, should be entrusted only to a certificated electrician, who would enclose the whole in a danger-proof container.

THE majority of listeners show great interest when news comes to hand of some revolutionary development in radio reception. Many false alarms, however, have occurred during the past three or four years. The latest announcement comes from Germany, where an inventor claims to have perfected a valve which requires no A battery for its operation, depending upon the action of a substance when light is shone upon the valve. This

would be a great boon to New Zealand country listeners who reside in remote places and have to carry their A batteries long distances for recharging. The new valve would also be extremely acceptable for portable receiving sets. The cost of A batteries, wet or dry, is also a factor in rendering such an invention as this new valve most welcome. "Switch" hopes the news is authentic, for, no doubt, the American and English valve manufacturers would make a bid for manufacturing rights.

THE discovery that certain substances when exposed to light will emit electrons is not new. Fifty years ago a German experimenter, Hallwachs, announced this discovery. Long before commercial broadcasting was evolved selenium cells were available for experiment. The modern photo-electric cell used in some talking-picture systems and in television is an adaptation of the 50-years-old discovery of Hallwachs. Now the invention of a radio valve which works without an A battery is merely a further development of the same discovery.

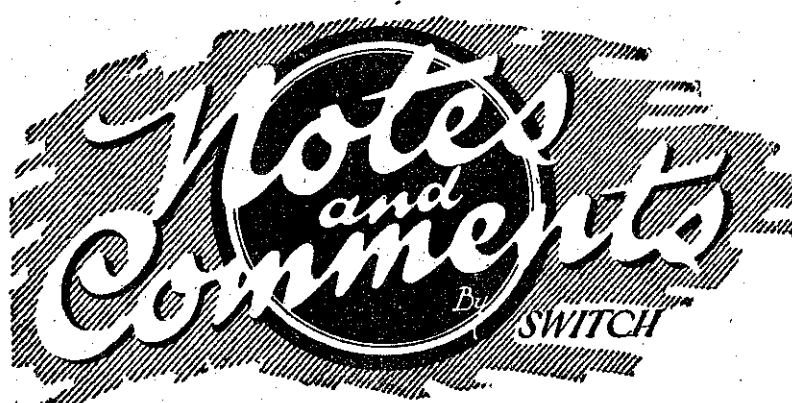
A WELLINGTON radio dealer informs "Switch" that the establishment of an Empire shortwave super-power broadcast station in the

near future has aroused considerable interest in shortwave reception. He has received quite a number of orders for shortwave sets, and is devoting a large amount of time to building them. As soon as this high-powered short-wave station is on the air in England, he is convinced that there will be a veritable boom in shortwave receivers.

THE Australian Government has decided to establish a supplementary station at Crystal Brook, South Australia, next year. The station will broadcast its own programmes, but on special occasions will be linked up by land-line with the Commonwealth "A" stations. Listeners have been agitating for the new station, as 5CL, Adelaide, is not well received in the Crystal Brook district.

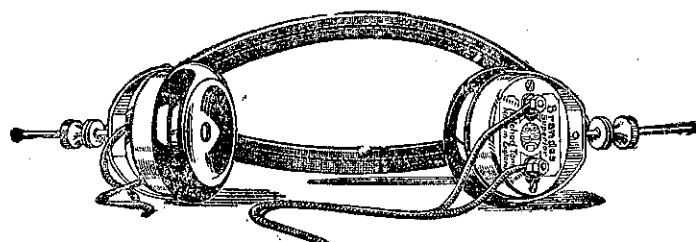
"SWITCH" expresses thanks to "E.M.W." (Christchurch) and the Wellington correspondent who forwarded particulars concerning the Beverage aerial. The writer envies those listeners who reside up-country and have plenty of room to erect one of these aerials for experimental purposes. Placing the aerial along the top of a fence seems to provide a solution of the expense problem. An aerial over 280 yards in length, apart from the cost of insulators and wire, is rather too expensive if posts have to be erected to support it properly.

A WELLINGTON listener who has employed a screen-grid valve for a considerable time in his short-wave receiving set gave the writer a demonstration of its powers a few days ago. The set performed surprisingly, and it was easy to operate. The owner contended that the screen-grid valve is all that has been claimed for it, but in many instances it has not been fairly treated, hence many failures to "deliver the goods." Success is sometimes achieved," he stated, "by varying the screen voltage of the valve." The higher the screen voltage for a given plate voltage the lower is the impedance of the valve, and, therefore, the smaller its magnification factor.



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Feature Peeps at Future Programmes

SUNDAY

1YA Notes

THE evening service in Pitt Street Methodist Church will be relayed, the preacher being the Rev. W. Walker, and the organist and choirmaster Professor W. A. Moor. The 1YA Broadcasting Choir will contribute to the evening's after-church programme. Two folk songs (one, the familiar "Canadian Boat Song," and the other "Golden Slumbers Kiss Your Eyes"), an old canon, "Non Nobis Domine," Mendelssohn's "Farewell to the Forest," Beethoven's "The Heavens Resound," and the wonderful composition, "Hymn to Music" (by Dudley Buck), will be the numbers to be sung. Instrumental items will be played by the Studio Trio and Mr. Cyril Towsey will be heard in a pianoforte solo.

2YA Broadcast

THE evening service of the Vivian Street Baptist Church will be on the air. The preacher will be the Rev. J. T. Crozier, the organist Mr. Charles Collins, and the choirmaster Mr. J. R. Samson. Following the church service there will be a relay of a concert in St. James Theatre, given by the Municipal Tramways Band, under the conductorship of Mr. E. Franklin.

From 3YA

HOLY Trinity Anglican Church, Avonside, will celebrate the 150th anniversary of the world's first Sunday school. Mr. E. H. Hitchcock, superintendent of Holy Trinity Avonside Anglican Sunday School, will deliver an address on "Sunday Schools and the Founder of Them—Robert Raikes." The organist and choirmaster at the church is Mr. Arthur Lilly, A.R.C.O. Following

the church broadcast there will be a relay from Dunedin.

Comments from 4YA

THE Rev. A. Meade will be the preacher at Moray Place Congregational Church, Dunedin, when the service will be broadcast. Mr. A. Walmsley is the choirmaster. At 8.15 there will be a relay from the Army Citadel of a con-



ROY W. HILL,
A well-known 2YA vocalist, who is scheduled for some of Mr. Claude Haydon's original numbers next week.

—Jauncey, photo.

cert programme to be given by the Citadel Band and Salvation Army Choir.

MONDAY

Wellington Features

THE second of a series of lecture-dialogues on "The Rationalisation

of Industry" will be given at 7.40 by Mr. A. J. Heighway and Mr. C. A. L. Treadwell.

For the evening concert arrangements have been made to present a programme of the works of a well-known Wellington composer, Mr. Claude Haydon, Mue.Bac., L.A.B. Notes on this unique programme appear elsewhere.

Christchurch Items

A TALK on "Esperanto" by Mr. N. M. Bell, is scheduled for the news and reports session. Derry's Military Band, under Mr. J. Scott, has been engaged for the concert, which should be of high standard.

Notes from 4YA

THE Orphans' Club of Dunedin has already presented several programmes of great interest to listeners, and another appearance at 4YA by this excellent body of artists will be welcomed by all those who heard their performance on the previous occasion. The concert will be given under the direction of Mr. R. Bryant.

There will be an orchestra of sixteen instrumentalists under the conductorship of Mr. E. Kerr.

TUESDAY

From Auckland

AT 3.15 p.m. Mrs. Les Crane will give a further talk on "The Beauty of Mind and Body in Relation to Diet," and at 7.40 Mr. Rod Talbot will continue his talks to motorists.

As to-day, October 21, is the anniversary of the Battle of Trafalgar, fought in 1805, 1YA has arranged a programme in commemoration of the great event.

THE String Octet, under the direction of Mr. Whitford Waugh, will play several numbers appropriate to the Navy. This evening will see the first appearance at 1YA of the very fine Melbourne contralto, Miss Jessie Shmith. Miss Shmith has had many years' experience of broadcasting work at 3LO and 3AR, and possesses a radio voice of rare merit. Miss Shmith has appeared at the YA stations in the south, and will appear three times at 1YA. She has chosen suitable numbers for this commemorative programme, her items including "There is No Death," "The Heart Worships," "O, That It were So," and "Dedication."

Mr. J. M. Clark will recite Tennyson's immortal poem, "The Revenge," which tells of one of the greatest and bravest efforts in the annals of British naval history. Mr. Frank Campbell, light baritone, will sing "Who'll Venture With Me?" and "The Midshipmate," and the items by Mr. Frank Sutherland, bass-baritone, will be "Nelson Goes a-Sailing," "Death of Nelson," and "Hearts of Oak." Both

The Week

LOCAL COMPOSER
2YA, MONDAY

ORPHANS' CLUB
4YA, MONDAY

TRAFALGAR ANNIVERSARY
1YA, TUESDAY

LAUGHTER LEAGUE
2YA, TUESDAY

ALPINE SPORTS CLUB
1YA, THURSDAY

LISZT RECITAL
1YA, FRIDAY

IL TROVATORE
2YA, FRIDAY

these gentlemen possess excellent voices and are always very popular with 1YA listeners.

The programme will conclude with a presentation of the dramatic sketch, "The Signal," written by Mr. E. J. Landon, of Auckland. This sketch was recently given at 1YA, and proved so successful that in response to numerous requests, it will be repeated on this programme. It is very appropriate for the commemoration of Trafalgar.

Items from Wellington

A NEW combination, "The Laughter League," will make their first appearance this evening. They will present a revue type of programme, the items comprising humorous numbers, light vocal solos, duets, and sketches.

The supporting orchestral items will be played by the 2YA Salon Orchestra.

From Dunedin

THE Kaikorai Band, under the direction of Mr. T. J. Kirk-Burnand with a strong assisting combination, will supply a bright programme.

WEDNESDAY

Features at 1YA

TWO new artists will appear at 1YA this evening, Master T. R. W. Trafford, boy soprano, with a beautiful voice well trained, and Miss Olive Munroe, contralto. It is seldom that outside Christchurch one has the opportunity of hearing well-trained boy singers, and listeners will welcome the appearance of this lad at 1YA. Miss Munroe, who comes from Tauranga, will sing "Indian Love Call," "Good Morning, Brother Sunshine," and "Thoughts Have Wings." Mr. Tom Moffitt is already well known to listeners, and his performances are al-

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SEND FOR NEW LIST

From 1YA

A CONCERT programme to be given by the Auckland Branch of the Alpine Sports Club, will be relayed.

2YA Notes

THE Wellington Municipal Tramway Band (under the conductorship of L. E. Franklin), assisted by 2YA artists, will give another of their excellent studio programmes this evening. Their numbers will include "Poet and Peasant" overture, a selection from Gounod's operas, a characteristic selection, "The Grasshopper's Dance," and two marches, one, "The A to Z" by Hopkinson, a New Zealand composer. Bandsman Tallantyne, one of the finest solo trombone players in New Zealand, will play as a solo with band accompaniment a special arrangement of the well-known German ballad "Drinking." The supporting items will include vocal numbers by the Lyric Quartet (both solo and concerted).

Items from 3YA

FOUR quartets, three of them negro spiritual songs, will be featured: "Nobody Knows the Trouble," "Oh, Dem Golden Slippers," "Deep River" and "Sweet and Low." The vocalists will be the Melodious Four. As a violin solo, Miss Thelma Cusack will play Glazounoff's "Meditation" and an instrumental programme will be provided by the Christchurch Broadcasting Trio.

FRIDAY

Selections from 1YA

PROFESSOR J. C. SPERRIN-JOHNSON, president of the Auckland Zoological Society, will give a talk at 7.40 on "Survey of Recent Advancement in Zoology."

The feature will be a lecture-recital on the life and works of Liszt, to be given by Mrs. Daisy Basham, assisted by Mr. Cyril Towsey, pianist.

Mr. Victor Baxter, a young baritone from England, who has an excep-

tionally fine voice, will sing: "Had a Horse," "Shepherd, See Thy Horse's Foaming Mane," and "Trotting to the Fair." Miss Jessie Shmith will make her second appearance. Instrumental items will be given by the Studio Trio, including a cello solo by Miss Lalla Hemus and a violin solo by Mr. Whiteford Waugh. Mr. Karl Atkinson's talks on various works are always very enjoyable and interesting, no matter what topic of musical life he chooses. He will conclude this evening's programme with a gramophone lecture-recital on "Wagner," the great German composer.

Gleanings from 2YA

THE concert programme will feature Signor Lucien Cesaroni's Operatic Company in excerpts from Verdi's popular opera, "Il Trovatore." The whole of Act 1 will be given, and excerpts of the other parts of the opera will include all the well-known and favourite solos and choruses.

The soloist will be Signor Lucien Cesaroni, who ranks as one of the finest operatic basses South of the Line. Interest will be added to this programme by the fact that before each number is presented a brief explanation will be given by Signor Lucien Cesaroni, who is an authority on matters operatic. The chorus and solo numbers are now in rehearsal, and an excellent programme of grand opera is assured. The Orchestra, under Signor A. P. Truda, will play music appropriate to the programme.

From 3YA

AT 7.30 Mr. Charles Hines, hon. secretary of the Sumner Lifeboat Institution, will give a talk on "Lifeboat Service." Songs by the Valencia Quartet will be interspersed by mouth-organ items by Mr. John Gallacher, cornet solos by Mr. N. G. Goffin, and contributions from Miss Elaine Moody's Hawaiian Trio.

4YA Relay

There will be a relay from Oamaru—"Our Miss Gibbs," as pre-



ZANTE WOOD.

An entertainer whose numbers from 1YA are enjoyed by listeners.

—S. P. Andrew, photo

sented by the Oamaru Operatic Society.

SATURDAY

Items from 1YA

FROM 11.45 the station will broadcast at intervals the results of the races at the Auckland Trotting Club's meeting.

An item of outstanding interest on the concert programme will be the musical medley, "Merry Moments at the Piano," to be given by Ernest and Wendy Luks.

Mr. Ivan Perrin, who has had professional experience in Australia and New Zealand, will be heard in several novelty piano solos. The 1YA String Octet will play several instrumental items, including the delightful "Carnival Suite," while Mr. Leslie Haynes will be heard in a violin solo, "Serenade" (by Toselli).

2YA Notes

THE station will be on the air at noon to give listeners the results of the races for the first day of the Wellington Racing Club's spring meeting.

been arranged for the evening. The lighter portion of the programme will be furnished by a combination new to radio, Messrs. Patterson and Hull, a pair of bright comedians who have had professional experience. The Golden Hula Quintet will play Hawaiian instrumental numbers and the 2YA Salon Orchestra, under Mr. M. T. Dixon, will play the "Stradella" overture, "The Dance of the Tea Dolls," Baynes's "Ballad Memories," and several of the latest dance novelties. Mr. W. J. Haines will play as a saxophone solo with orchestral accompaniment, Sanderson's popular ballad "Until."

3YA and 4YA Programmes

IN the varied programme there will be auto-accompaniment items by Mrs. R. E. Hodgson, sketches by the Mascots, soprano solos by Mrs. Ralph Sierokowski, popular songs by Miss Betty Hilliard (mezzo-contralto), tenor solos by Mr. David McGill, and various selections by the Studio Octet.



WILLIAM L. BENBOW.

Known to 1YA listeners as a singer of popular numbers, to the accompaniment of a Spanish guitar.

—S. P. Andrew, photo.

ways welcome. The Clarsax Duo, consisting of clarinet and saxophone, have established themselves firmly in Auckland, and they will provide some fine numbers during the evening.

Christchurch Topics

THE first half of the programme will be devoted to the relay from the Civic Theatre of the Second Annual Children's Festival of Music, to be performed under the conductorship of Mr. E. Douglas Tayler and Mr. T. Vernon Griffiths. Choral numbers, duets for two violins, quartet for strings, a brass quartet and a chorus for boys will be broadcast. The concert will provide a fine demonstration of the excellent musical training which the children of the schools are now receiving under the direction of Mr. E. Douglas Tayler. The second half of the evening's programme will be contributed by well-known artists.

Dunedin Notes

"THE School Lunch Box" will be the subject of the afternoon talk arranged by the Home Science Extension Department of Otago University. At 7.15 Mr. J. Beatson, of the Department of Agriculture, will speak on "The Importance of Quality in Dairy Produce." Both talks are under the auspices of the 4YA Primary Productions Committee.

Mr. G. J. Christie, who will be heard during the evening, is an artist who has experienced several contest successes in the capacity of cornet soloist of St. Kilda Band as well as in individual competitions. He has selected a contest solo and a ballad number for this occasion.

THURSDAY

Christmas Gifts

FROM 1YA, 2YA and 3YA this afternoon there will be a further home science talk, this time on "Useful Hints for Christmas Gifts," and at 7.40 p.m. Mr. N. M. Richmond, B.A., will speak on the problems of capital and labour. Mr. Richmond's lectures are under the auspices of the W.E.A.



MARION IRVING AND JOHN BREE.

Two of Auckland's best-known artists, who broadcast frequently from 1YA. Miss Irving is an excellent elocutionist and a member of the 1YA Broadcasting Choir, while Mr. Bree is a baritone well-known in Auckland's musical circles. —S. P. Andrew, photo

Full Programmes for Next

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

Sunday, October 19

4YA AUCKLAND (900 KILOCYCLES)—SUNDAY, OCTOBER 19.

- 3.0 : Afternoon session—Selected Studio Items, including Literary selection by the Announcer.
 4.30: Close down.
 6.0 : Children's Song Service, conducted by Uncle Bert.
 6.55: Relay of Divine Service from Pitt Street Methodist Church. Preacher: Rev. W. Walker. Organist and Choirmaster: Professor W. A. Moor.
 8.30: (approx.) Band—Garde Republicaine of France, "The Two Pigeons" (Messenger) 1. Entrance of Tziganes, 2. Scene and March.
 Choral—1YA Broadcasting Choir, under direction of Mr. Len Barnes, (a) "Canadian Boat Song" (Voyages Tune) (Folk song); (b) "Golden Slumbers Kiss Your Eyes" (Folk song).
 Instrumental—Studio Trio, (a) "Andante Con Moto Tranquillo" (from "Trio in D Minor No. 1 Op. 49" (Mendelssohn), (b) "Don Juan."
 Choral—1YA Broadcasting Choir, (a) "Non Nobis Domine" (Old Canon), (b) "Farewell to the Forest" (Mendelssohn).
 Instrumental—Studio Trio, "Kol Nidrei" (Bruch).
 Piano solo—Mr. Cyril Towsey, "Melody in E" (Rachmaninoff).
 Choral—1YA Broadcasting Choir, "The Heavens Resound."
 Instrumental—Studio Trio, (a) "Menuet" (Bach); (b) "Marche Militaire" (Schubert).
 Choral—1YA Broadcasting Choir, "Hymn to Music" (Dudley Buck).
 Orchestral—Kettelbey's Concert Orchestra, "By the Blue Hawaiian Waters" (Kettelbey).
 9.30: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, OCTOBER 19.

- 6.0 : Children's song service, conducted by Uncle George, and assisted by Lyall Bay Baptist Sunday School Choir.
 6.0 : Relay of evening service from Vivian Street Baptist Church. Preacher, Rev. J. T. Crozier. Organist, Mr. Chas. Collins. Choirmaster, Mr. J. R. Samson.
 8.45: (approx.) Relay from St. James Theatre of Band Recital by the Wellington Municipal Tramways Band (Conductor, Mr. E. Franklin).

3YA, CHRISTCHURCH (930 KILOCYCLES)—SUNDAY, OCTOBER 19.

- 6.0 : Relay from Christchurch Cathedral of Celebration of the Robert Raikes Third Jubilee.
 4.0 : (approx.) Selected studio items.
 6.30: Children's Song Service by Children of Church of England Sunday Schools.
 6.15: Chimes.
 6.30: Musical recordings from studio.
 7.0 : Relay of Special Evening Service from Holy Trinity Anglican Church, Avonside. Celebrating 150th Anniversary of the World's First Sunday School. An address will be given by Mr. E. H. Hitchcock, Superintendent of Holy Trinity, Avonside, Anglican Sunday School. Subject: "Sunday Schools and the Founder of Them—Robert Raikes." Organist and choirmaster: Mr. Arthur Lilly, A.R.C.O.

- 8.15: (Approx.)—Relay of programme from 4YA, Dunedin. God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, OCTOBER 19.

- 3.0 : Chimes. Selected gramophone items.
 5.30: Children's Song Service, conducted by Big Brother Bill.
 6.30: Relay of Evening Church Service from Moray Place Congregational Church, Dunedin. Preacher: Rev. A. Meade. Choirmaster: Mr. Alfred Walmsley.
 7.45: Instrumental—San Francisco Symphony Orchestra, "A Midsummer Night's Dream" (Mendelssohn).
 Tenor—Richard Crooks, (a) "Open the Gates of the Temple" (Knapp); (b) "The Star of Bethlehem" (Adams).
 Instrumental—Squire's Celeste Octet, (a) "Valse Caprice" (Rubinstein); (b) "Valse Bleue" (Margis).
 8.15: Relay from Salvation Army Citadel, Dunedin, of Concert Programme by the Citadel Band and Salvation Army Choir. Conductor: Mr. A. A. Millard.
 9.30: God save the King.

Monday, October 20

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, OCTOBER 20.

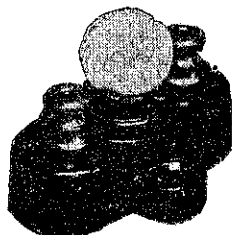
SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, OCTOBER 20.

- 3.0 : Chimes. Selected studio items.
 3.30 and 4.30: Sporting results to hand.
 5.0 : Children's session, conducted by Uncle Jeff.
 6.0 : Dinner music session.
 National Symphony Orchestra, "Orpheus in Hades" (Offenbach).
 San Francisco Symphony Orchestra, "Caprice Viennois" (Kreisler).
 6.12: Tacet.
 6.15: New Light Symphony Orchestra, (a) "Spring Song" (Mendelssohn), (b) "Narcissus" (Nevin).
 San Francisco Symphony Orchestra, "Coppelia Ballet" (Delibes).
 Trio—Fritz and Hugo Kreisler and Michael Rauchs, "Syncopation" (Kreisler).
 6.28: Tacet.
 6.30: Philadelphia Symphony Orchestra, "Invitation to the Waltz" (Weber).
 San Francisco Symphony Orchestra, (a) "Serenade" (Moszkowski); (b) "Oriental" (Auber).
 6.42: Tacet.
 6.45: San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov), "Liebeslied" (Kreisler).
 6.57: Tacet.
 7.0 : News session, market reports and sports results.
 7.40: Lecturette—Mr. A. J. Helghway, "The Rationalisation of Industry."
 8.0 : Chimes. "A Claude Haydon Evening." A special programme featuring the compositions of the local composer, Claude Haydon, Mus. Bac. L.A.B.
 Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "Bon Vivant" (Grenfeld).
 8.9 : Mezzo-soprano—Miss Monica Malfroy, (a) "Meeting," (b) "My Garden" (words and music by Claude Haydon).
 8.15: Piano—Mr. F. Haydn Rodway, Short Suite for Piano, (Claude Haydon), (a) "Gathering Roses," (b) "Passing Clouds," (c) "Home Again."
 8.25: Baritone—Mr. C. Wilkie, (a) "In Absence," (b) "Sometimes."
 8.31: Violin with orchestra, Miss Ava Symons, "Ballade in E Flat Major."
 8.37: Contralto—Miss Hilda Chudley, (a) "Maid of Brittany"; (b) "Mother."
 8.43: Cello—Mr. Claude Tanner, accompanied by Madame Evelyn de Mauny, "First Movement of the Sonata in C Major for Cello and Piano."
 8.49: Tenor—Mr. W. Roy Hill, (a) "Entreaty," (b) "Contrast."
 8.56: Selection—2YA Orchestra, (a) "Liebestraum" (Von Blon), (b) "Zorahayda" (Svendsen).
 9.0 : Weather report and station notices.
 9.2 : Piano—Mr. F. Haydn Rodway, "Five Glimpses of Fairyland" (Claude Haydon), (a) "Chasing a Sunbeam," (b) "In a Fairy Canoe," (c) "Fairy Fun"; (d) "Where Are They?"
 9.14: Mezzo-soprano—Miss Monica Malfroy, (a) "Dear White Hands," (b) "Wonderland" (Claude Haydon).
 9.20: Baritone—Mr. C. Wilkie, (a) "My Love," (Claude Haydon), (b) "Love is King."
 9.26: Symphonic poem—2YA Orchestra, "Vitava" (Lotter).
 9.34: Contralto—Miss Hilda Chudley, (a) "Sleep," (b) "The Sea Shell's Whisper" (Claude Haydon).

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Week-all Stations-to Oct. 26

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- 9.39: Duet—Miss Monica Malfroy and Mr. C. Wilkie, "Blessings."
 9.42: Selection—2YA Orchestrina, (a) Tone Poem, "Tasca" (Sarolla), (b) "Berceuse" (Sibelius).
 9.50: Tenor—Mr. W. Roy Hill, (a) "The Rose," (b) "Dream Song."
 9.56: Piano—Mr. F. Haydn Rodway, (a) "The Unveiling," (b) "Menuetto in F Major" (Claude Haydon).
 10.4: Humorous songs for baritone—Mr. C. Wilkie, (a) "Hello! Good Morning," (b) "Don't Forget to Smile" (Claude Haydon).
 10.8: March—2YA Orchestrina, "Byzantine" (Ganne).
 10.12: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, OCTOBER 20.

- 3.0: Afternoon session—Gramophone recital.
 4.25: Sporting results.
 5.0: Children's hour—"Scatterjoy."
 6.0: Dinner music session.
 Selection—H.M. Grenadier Guards Band, "New Sullivan Selection."
 Waltz—Court Symphony Orchestra, "Destiny Waltz" (Baynes).
 6.12: Tacet.
 6.15: Columbia Symphony Orchestra, "Idillo" (Lack).
 New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor), (1) La Caprice de Nanette, (2) Demande et Response
 6.26: Tacet.
 6.30: Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor), (1) Un Sonnet d'Amour, (2) La Tarantelle Fretillante.

- Wurlitzer organ—Terence Casey, "I'm Lonely" (Coates).
 6.42: Tacet.
 6.45: Dance suite—H.M. Grenadier Guards Band, "Neil Gwyn Dances" (German), (1) Country Dance, (2) Pastoral Dance.
 Columbia Symphony Orchestra, "Spring Song" (Mendelssohn).
 Waltz—Symphony Orchestra, "Morgenblatter" (Strauss).
 6.58: Tacet.
 7.0: News session.
 7.30: Lecture—Mr. N. M. Bell, M.A., "Esperanto."
 8.0: Chimes. Band programme by Derry's Military Band (Conductor, Mr. J. Scott), and assisted by 3YA artists.
 March—Band, "The Desert Song" (Romberg).
 Foxtrot—"A Little Kiss Each Morning" (Wood).
 8.11: Bass—Mr. W. J. Richards, (a) "Devonshire Cream and Cider" (Sanderson), (b) "Simon" (Grant).
 8.15: 'Cello—W. H. Squire, "Sarabande" (Sulzer).
 8.19: Contralto—Mrs. C. Craythorne, "Still as the Night" (Bohm).
 8.23: Medley—Jack Payne and B.B.C. Dance Orchestra, "Say it with Songs."
 8.31: Humour—Miss Rhoda Pearce, "Paddy's Courtship" (Anon.).
 8.36: Three dale dances—Band, (a) "Allegro Con Brio" (Wood), (b) "Andante Molto Expressivo" (Wood), (c) "Allegro Vivace" (Wood).
 8.46: Humorous song—Mr. Cheslyn O'Connor, "Peculiar" (Chas. Ingle).
 8.52: Banjo—Len Fillis, "Uncanny Banjo" (Fillis and Bright).
 8.55: Mezzo-soprano—Miss Betty Simpson, "A May Morning" (Denza).
 8.59: Weather report and station notices.
 9.1: Suite—Band, "Second Suite in F Major" (Holst), (a) Morris Dance, Swansea Town, Cloudy Banks, (b) Song Without Words, "I'll Love My Love," (c) Song of the Blacksmith, (d) Fantasia on the Dargason (introducing Green Sleeves).
 9.16: Bass—Mr. W. J. Richards, (a) "The Veteran's Song" (Adams), (b) "Old Barty" (Grant).
 9.22: Xylophone—Rudy Starita, "Dance of the Raindrops" (Evans).
 9.25: Contralto—Mrs. C. Craythorne, (a) "I'm Longing for the Spring" (Gwynn Morris), (b) "Stay With Me, Summer" (Gwynn Morris).
 9.31: Waltz—Band, "Lazy Louisiana Moon" (Donaldson).
 9.37: Humour—Miss Rhoda Pearce, "The Student" (John Edwards).
 9.42: Symphony Orchestra, "Morgenblatter" (Strauss).
 9.46: Popular song—Mr. Cheslyn O'Connor, "High Society Blues" (Hanley).
 9.49: Organ—Pattman, "Rosalie" (Wade and Valentine).
 9.52: Soprano—Miss Betty Simpson, (a) "Sing, Joyous Bird" (Pringle Scott), (b) "The False Prophet" (Scott).
 9.58: March—Band, "Allegiance" (Shutt).
 10.3: God save the King.

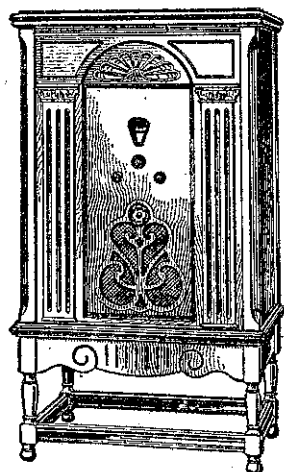
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DIVISION

WELLINGTON

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, OCTOBER 20.

- 3.0: Chimes. Selected gramophone items.
 4.25: Sporting results.
 5.0: Chimes. Children's Hour, conducted by Big Brother Bill.
 6.0: Dinner music.
 New Mayfair Orchestra, "Lilac Time" (Schubert-Clutsum).
 Royal Opera Orchestra, "Carmen Ballet No. 1" (Bizet).
 6.12: Tacet.
 6.15: National Symphony Orchestra, "William Tell Overture" (Rossini).
 6.27: Tacet.
 6.30: Royal Opera Orchestra, "Sylvia Ballet" Pizzicato and procession of Bacchus (Delibes).
 Royal Opera Orchestra, "Carmen Ballet No. 2" (Bizet).
 6.42: Tacet.
 6.45: London Symphony Orchestra, "Chanson De Matin" (Elgar).
 Trio—Fritz and Hugo Kreisler and Michael Raucheisen, "Ariestienne Intermezzo" (Bizet, arrgd. Kreisler).
 Philadelphia Symphony Orchestra, "Nocturne No. 2 Fetes."
 6.27: Tacet.
 7.0: News session.
 7.40: Talk—Under auspices of W.E.A.
 8.0: Chimes. Studio Concert by Dunedin Orphans' Club, under direction of Mr. R. Bryant, together with orchestra of sixteen instrumentalists, under conductorship of Mr. E. Kerr and soloists of the Dunedin Orphans' Club.
 10.0: God save the King.

Tuesday, October 21

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, OCTOBER 21.

- 3.0: Afternoon session—Selected gramophone items.
 3.15: Talk—Mrs. Les Crane, "The Beauty of Mind and Body in Relation to Diet."

- 5.0 : Children's session, conducted by "Uncle Dave."
 6.0 : Dinner session.
 Berlin State Opera Orchestra, "Mignon" (Thomas).
 Grand Symphony Orchestra, "Tales of Hoffman—Barcarolle."
 6.12: Tacet.
 6.15: Edith Lorand Orchestra, "Faust Fantasia" (Gounod); "Wedding of the Winds" (Hail).
 6.27: Tacet.
 6.30: Berlin State Opera Orchestra, "Italiana in Algeria" (Rossini).
 'Cello—Oratio de Castro, "Nocturne in E Flat" (Chopin).
 6.42: Tacet.
 6.45: Grand Symphony Orchestra, "Fra Diavolo" (Auber).
 Grand Symphony Orchestra, "Tales of Hoffman—Entr'acte and Minuet" (Offenbach).
 6.57: Tacet.
 7.0 : News and market reports.
 7.40: Talk—Mr. Rod Talbot, "Motoring."
 8.0 : Chimes. Special programme in commemoration of "Trafalgar Day," October 21, 1805.
 Overture—Band of H.M. Coldstream Guards, "1812" (Tschalkowsky).
 8.9 : Light baritone—Mr. Frank Campbell, "Who'll Venture with Me?" (from "Young England") (Bath).
 8.13: Selection—1YA String Octet, under direction Mr. J. Whiteford Waugh, "Life on the Ocean Wave" (Binding).
 8.23: Elocution—Mr. J. M. Clark, "The Revenge" (Tennyson).
 8.30: Contralto—Miss Jessie Smith, (a) "There is No Death" (O'Hara); (b) "The Heart Worshippers" (Holst).
 8.37: Selection—1YA String Octet, "Admirals All" (Bath).
 8.44: Bass-baritone—Mr. Frank Sutherland, (a) "Death of Nelson" (Braham); (b) "Hearts of Oak" (Boyce).
 8.51: Orchestral—1YA String Octet, "Nautical Scenes" (Fletcher).
 9.1 : Evening weather forecast and announcements.
 9.2 : Band—United States Navy Band, (a) "All Hands" (Benter); (b) "Anchors Aweigh" (Zimmerman).
 9.8 : Light baritone—Mr. Frank Campbell, "The Midshipmite" (Adams).
 9.12: Overture—1YA String Octet, "Plymouth Hoe" (Ansell).
 9.16: March—"Naval Review" (Hogwill).
 9.20: Contralto—Miss Jessie Smith, (a) "O That it were So" (Bridge); (b) "Dedication" (Franz).
 9.26: Bass-baritone—Mr. Frank Sutherland, "Nelson Goes A-sailing" (Loehr).
 9.30: March—1YA String Octet, "On Board a Man-o'-War" (Armand).
 Selection—"The Union Jack" (Volti).
 9.37: Presentation of the dramatic sketch, "The Signal" (Landon).
 9.57: Orchestral—San Francisco Orchestra, "March Militaire" (Schubert).
 10.1 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, OCTOBER 21.

- 3.0 : Chimes. Selected studio items.
 3.30 and 4.30: Sporting results to hand.
 5.0 : Children's session, conducted by Big Brother Jack.
 6.0 : Dinner music session.
 Royal Italian Band, "Marcia Reale" (Gabetti).
 Court Symphony Orchestra, "In Venice" (Sellars).
 Cinema organ—Stanley MacDonald, "Was It a Dream?" (Coslow).
 Royal Italian Band, "Garibaldi's Hymn" (Olivieri).
 6.42: Tacet.
 6.45: Ketelbey's Concert Orchestra, "Sanctuary of the Heart" (Ketelbey).
 'Cello—W. H. Squire, "Melody in F" (Popper).
 6.56: Tacet.
 6.58: W. H. Squire's Celeste Octet, "Mignon." 1—Introduction and Romance; 2—Polonaise (Thomas).
 'Cello—W. H. Squire, "Silver Threads Among the Gold."
 6.42: Tacet.
 6.45: H.M. Grenadier Guards, "Turkish Patrol" (Michaelis).
 Organ—Stanley MacDonald, "Nicolette" (Batten).
 Jacques Jacobs' Ensemble, "Weiner Blut" (Strauss).
 H.M. Grenadier Guards Band, "Smithy in the Woods" (Michaelis).
 6.58: Tacet.
 7.0 : News session, market reports and sports results.
 7.40: Lecture—Representative, Agricultural Department, "For the Man on the Land."
 8.0 : Chimes. A Revuesical Evening by "The Laughter League" assisted by the 2YA Salon Orchestra.
 Overture—2YA Salon Orchestra, (Conductor, Mr. M. T. Dixon), Selection of "Haydn Wood's Songs" (arr. Higgs).
 8.9 : Chorus—The Laughter League, "Opening Chorus" (Low).
 8.11: Humorous—Quartet, "Army A.B.C." (Low).
 8.17: Soprano—"What a Wonderful World it would Be" (Loehr).
 8.20: 'Cello with orchestra—Mr. Stanley Chapman and 2YA Salon Orchestra, "Slumber Song" (Squire).
 8.23: Humour—"The Fact Is" (Ayer).
 8.32: Duet for soprano and contralto—"Little Bluebird of My Heart" (Grey).
 Tenor solo—"I Heard You Singing" (Coates).
 8.33: Humour—"Cross Talk" (MS.).
 8.45: Selection—2YA Salon Orchestra, "Request Item."
 8.53: Popular song—"You Are a Song" (Goulding).
 Humour—"Castles in the Air" (Broughton).
 9.0 : Weather report and station notices.
 9.2 : Concerted number—The Company, "The Cottage by the Sea" (Low).
 9.5 : Suite—2YA Salon Orchestra, "Ballet Suite" (May).
 9.13: Duet for tenor and contralto—"The Garden of My Heart" (Dorel).
 Humorous sketch—"The Auto Ride" (Newton).

- 9.22: Duet for soprano and contralto—"Sweet Hawaiian Moonlight."
 9.25: Selection—2YA Salon Orchestra, "Idilio" (Lack).
 9.29: Chorus—The Company, "Bye-Bye" (Gordon).
 9.30: Dance programme.
 Foxtrots—The Harmonians with vocal chorus, "I'm in Seventh Heaven."
 The Knickerbockers with vocal refrain, "Song of Siberia."
 The Harmonians with vocal chorus, "Used to You."
 Ernie Golden and His Orchestra with vocal chorus, "Satisfied" (Friend and Caesar).
 9.42: Vocal—Eddie Walters, with piano and guitar accompaniment, "Goodness Gracious Gracie" (Abbott, Casem and Wimbrow).
 Foxtrots—Stellar Dance Band, "Dancing Goblin—Novelty Foxtrot."
 Harry Reser's Syncopators with vocal chorus by Tom Stacks, "The Flippity Flop" (Coslow, Robin & Whiting).
 Stellar Dance Band, "Giggling Goliwog" slow foxtrot.
 Waltz—Ben Selvin and His Orchestra, "I've Waited a Lifetime for You" (Edward and Goodwin).
 9.57: Duet—Ford and Glenn with novelty accompaniment, "Where the Sweet Forget-Me-Nots Remember" (Dixon, Warren).
 Foxtrots—Guy Lombardo and His Royal Canadians with vocal trio, "When We Canoe-dle-oodle Along."
 Ben Selvin and His Orchestra, with vocal chorus, "Junior."
 The Midnight Revellers with vocal refrain, "True Blue Lou."
 Ipana Troubadours with vocal refrain, "There was Nothing Else to Do" (Kalmr, Ruby and Warren); "Just a Glimpse of Paradise" (Kalmr, Ruby and Warren).
 10.15: Duet—Pearce Brothers (Al and Cal), "If I Give up the Saxophone."
 Foxtrots—Ben Selvin and His Orchestra, "Am I Blue?"
 The Midnight Revellers, "If I Had My Way."
 Ted Fiorito and His Edgewater Beach Hotel Orchestra, "Candle Light Lane" (Lewis and Fiorito).
 Waltz—Frank Ferera's Hawaiian Trio with vocal chorus, "Pagan Love Song" (Brown and Freed).
 Foxtrot—Guy Lombardo and His Royal Canadians, "You Want Lovin'" (Spier, Coslow and Osterman).
 10.30: Vocal—Marie Burke, "The Song I Love" (de Sylva, Brown, Henderson).
 Foxtrots—Guy Lombardo and His Royal Canadians, "Here We Are."
 Ted Fiorito and His Edgewater Beach Hotel Hotel Orchestra, "You've Never Been Blue" (Lewis, Young & Fiorito).
 Ted Lewis and His Band with vocal refrain, "My Love Song" (Yoell and Lewis).
 10.45: Duet—The Two Gilberts, comedians and orchestra, "Smith's Crisp Crisps" (Weston, Lee and Weston).
 Foxtrots—Ray Starita and His Ambassadors Band, "Iz Izzy Azzy Wozz" (A. le Clerq).
 Harry Reser's Syncopators with vocal refrain, "Piccolo Pete" (Baxter).
 Waltz—Frank Ferera's Hawaiian Trio, with vocal chorus, "Ua Like a No a Like" (Everett).
 11.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, OCTOBER 21 SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, OCTOBER 21.

- 3.0 : Chimes. Selected gramophone items.
 4.25: Sporting results.
 5.0 : Chimes. Children's Hour, conducted by Uncle Bert.
 6.0 : Dinner session.
 Ketelbey's Concert Orchestra, "In a Persian Market" (Ketelbey).
 Violin—Efreim Zimbalist, "Liebeslied Old Vienna Waltz" (Kreisler).
 6.12: Tacet.
 6.15: Plaza Theatre Orchestra, "The Busy Bee" (Bendix), "My Lady Dainty" (Hesse).
 J. H. Squire's Celeste Octet, "La Serenata" (Braga).
 Organ—G. T. Pattman, "Firefly" (Nicholls).
 6.27: Tacet.
 6.30: Paul Whiteman and His Orchestra, "Song of India."
 New Concert Orchestra, "Hydropaten" (Gungl).
 Violin—Efreim Zimbalist, "Zapateado" (Sarastate).
 6.42: Tacet.
 6.45: New Concert Orchestra, "Jolly Fellows" (Bruder).
 J. H. Squire's Celeste Octet, "Serenade" (Trdtl.).
 Paul Whiteman and His Orchestra, "Liebestraum."
 6.56: Tacet.
 7.0 : News session.
 8.0 : Chimes. Programme of music to be rendered by Kaikorai Band, under direction of Mr. Thos. J. Kirk-Burnand, assisted by 4YA artists.
 March—Band, "The Cossacks" (Rimmer).
 Entracte—Band, "No. 2 from Petite Suite De Concert" (Taylor).
 8.12: Soprano—Miss Ray A. C. Stubbs, (a) "Waltz Song" (from "Merrie England") (German), (b) "Ash Grove" (Welsh Air).
 8.22: 'Cello—Beatrice Harrison, "Harlequinade" (Popper).
 8.26: Recital—Mr. A. Gorrie, "Up-a-Daisy" (Braken).
 8.32: Selection—Band, "The Crusaders in Egypt" (Meyrbeer).
 8.48: Baritone—Mr. N. C. Hamble, "Droop Not, Young Lover" (Handel).
 8.51: Piano—Mrs. C. Drake, "Refrain De Berceau" (Palmgreen), "Bird's Song" (Palmgreen).
 8.56: Contralto—Miss Helen E. Roy, "It Was a Dream" (Sanderson).
 9.0 : Weather report.

- 9.2 : Philadelphia Symphony Orchestra, "Danse Macabre" (Saint Saens).
 9.10 : Soprano—Miss Ray A. C. Stubbs, "Kerry Dance" (Baynes).
 9.18 : Descriptive selection—Band, "The Seige of Rochelle" (Douglas).
 9.26 : Vocal Quartet—The Revellers, "Was It a Dream?" (Coslow).
 9.30 : Recitals—Mr. A. Gorrie, "Not Understood" (Bracken).
 9.34 : Baritone—Mr. N. C. Gamble, "The Vagabond" (Williams), "Roadside Fire" (Williams).
 9.40 : Valse—Band, "Erin Memories" (Round).
 9.47 : Contralto—Miss Helen E. Roy, "Yesterday and To-day" (Spross), "Lullaby" (Scott).
 9.53 : Novelty—Kiriloff's Balalaika Orchestra, "Shining Moon" (trdtl.).
 9.56 : March—Band, "The Gladiator" (Fueck).
 10.0 : God save the King.

Wednesday, October 22

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, OCTOBER 22.

- 3.0 : Afternoon session—Selected studio items, including literary selection by the Announcer.
 5.0 : Children's session, conducted by "Uncle Tom."
 6.0 : Dinner session.
 Overture—H.M. Coldstream Guards Band, "Poet and Peasant" (Suppe).
 Symphony Orchestra, "Love, the Magician" (de Falla) (D1453).
 6.12 : Tacet.
 6.15 : National Military Band, "Liberty Bell" (Sousa).
 International Novelty Quartet, "Cuckoo" (Jonasson).
 Jack Hylton's Orchestra, "Spanish Rose" (Pearson).
 Xylophone—Sara Herman, "Al Fresco."
 6.27 : Tacet.
 6.30 : New Light Symphony Orchestra, "In a Clock Store" (Orth).
 Royal Opera Orchestra, "Marche Hongroise" (Berlioz).
 Symphony Orchestra, "Spanish Dance" (de Falla).
 6.42 : Tacet.
 6.45 : Schottische—International Novelty Quartet, "Lena" (Mews).
 Organ, piano, trombone and harp—Shilkret's Rhythm Melodists, "When You're With Somebody Else" (Gilbert).
 Jack Hylton's Orchestra, "The Angelus Was Ringing" (Damarell).
 National Military Band, "El Capitan" (Sousa).
 6.57 : Tacet.
 7.0 : News and market reports.
 7.40 : Talk—Mr. Norman Kerr, "Physical Culture."
 8.0 : Chimes.
 Overture—Bernardo Gallico's Orchestra, "Dance of the Dwarfs."
 8.5 : Boy soprano—Master T. R. W. Trafford, "Hark, Hark, the Lark."
 8.9 : Selection—1YA Studio Trio, under direction of Mr. J. Whitford Waugh, "Carmen" (Bizet).
 8.19 : Tenor—Mr. Tom Moffitt, (a) "I Will Await Thee" (Clarke), (b) "Here in the Quiet Hills" (Carne).
 8.26 : Violin—Mr. J. Whitford Waugh, "Tarantella" (Papini).
 8.30 : Contralto—Miss Olive Munroe, (a) "Indian Love Call" (Friml), (b) "Good Morning, Brother Sunshine" (Lehmann).
 8.37 : Clarinet and saxophone duets—The Clarsax Duo, (a) "Harvest Tide" (Kaeuffer), (b) "Honolulu Moon" (Lawrence).
 8.45 : Talk—Mr. A. B. Chappell, M.A., "Topical Talk."
 9.0 : Evening weather forecast and announcements.
 9.2 : Instrumental—1YA Studio Trio, "Humoresque" (Dvorak), "Canzonetta" (Godard).
 9.14 : Boy soprano—Master T. R. W. Trafford, (a) "Who Is Sylvia?" (Schubert), (b) "Advice" (Carew).
 9.21 : Cello—Miss Lalla Hemus, "O Star of Eve" (Wagner).
 9.27 : Band—H.M. Grenadier Guards, "Ivanhoe" (Sullivan—arr. Godfrey).
 9.35 : Tenor—Mr. Tom Moffitt, "My Desire" (Cadman).
 9.39 : Clarinet and saxophone duets—The Clarsax Duo, (a) "Bear Tracks" (Barroll), (b) "Happy Days" (Ager).
 9.48 : Contralto—Miss Olive Munroe, "Thoughts Have Wings" (Lehmann).
 9.52 : Milan Symphony Orchestra, "Grand March from Aida" (Verdi).
 10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, OCTOBER 22.

SILENT DAY.

3YA, CHISTCHURCH (980 KILOCYCLES)—WEDNESDAY, OCTOBER 22.

- 3.0 : Afternoon session—Gramophone recital.
 4.25 : Sports results.
 4.30 : Close down.
 5.0 : Children's hour, conducted by Uncle John.
 6.0 : Dinner music.
 New Light Symphony Orchestra, "Merry Wives of Windsor" (Nicolai).
 Marek Weber's Orchestra, "Moonlight on the Alster" (Fetras).
 6.12 : Tacet.
 6.15 : New Light Symphony Orchestra, "Hearts and Flowers" (Tobani).
 Marek Weber's Orchestra, "Wine, Women and Song" (Weber).
 Wurlitzer organ—Reginald Foort, "By the Blue Hawaiian Waters."
 6.26 : Tacet.
 6.30 : New Light Symphony Orchestra, "The Glow-worm Idyll" (Lincke).
 Victor Salon Orchestra, "Indian Love Call" (from "Rose Marie") (Friml), "The World is Waiting for the Sunrise" (Lockhart).

- De Groot and His Orchestra, "When Summer is Gone."
 6.43 : Tacet.
 6.45 : De Groot's Orchestra, "The Merry Widow" (Lehar).
 Wurlitzer organ—Reginald Foort, (a) "Leave Me Alone," (b) "Songs My Mother Taught Me" (Dvorak).
 6.57 : Tacet.
 7.0 : News session.
 7.30 : Addingdon stock market reports.
 8.0 : Chimes. Relay from Civic Theatre of first half of the "Second Annual Children's Festival of Music," Conductors, E. Douglas Tayler and T. Vernon Griffiths. Accompaniste, Miss Bessie Pollard.
 Choral—Children's Festival Choir, Three State Songs (C. H. H. Parry), (a) "This Royal Throne of Kings," (b) "A Song of Empire" (Arthur Somervell), (c) "And Did Those Feet in Ancient Time" (C. H. H. Parry).
 Duet for two violins—Dora Elliot Cotton and Irish Williams, "Gavotte."
 Choral—Children's Festival Choir, Three Shakespearian Songs, (a) "Who is Sylvia?" (Schubert), (b) "Hark, Hark, the Lark" (Schubert), (c) "Full Fathom Five" (two-part) (T. F. Dunhill).
 Quartet for strings—Colin Bisset, Douglas Zander, P. Ackerley, J. Minson, "Polly Oliver" (arr. T. V. Griffiths).
 Choral—Boys Semi-Chorus, (a) "Frolie" (two-part) (Hollingrake), (b) "Binkie and Me" (arr. T. V. Griffiths).
 Brass instrumental quartet—Trevor Richards, Ron Sturrock, Colin Cooper, Niv Marshall, "Folk Song Quartet," for four brass instruments (arr. T. V. Griffiths).
 Choral—Children's Festival Choir, (a) "Freedom" (E. Douglas Tayler); (b) "My Heart Ever Faithful" (Bach); (c) "Let the Bright Seraphim" (Handel).
 Children's Festival Orchestra (assisted by Harold Beck's String Orchestra), (a) "Variations on a Folk Song" (arr. T. V. Griffiths), (b) "Suite," (1) Minuet, (2) The Woodcutter, (3) March James Brown).
 9.0 : Weather report and station notices.
 Studio programme—London Symphony Orchestra, "Coriolan Overture."
 9.10 : Baritone—Mr. Percy A. Cathness, (a) "The Lute Player" (Allitsen), (b) "For You Alone" (B. Geehl).
 9.15 : Violin—Miss Irene Morris, (a) "Meditation" (from "Thais") (Massenet), (b) "Tempo di Minuetto" (Pugnani-Kreisler).
 9.21 : Contralto—Miss Jean Johnson, (a) "Thoughts" (Fisher); (b) "Beautiful Beatrice" (Mallinson).
 9.26 : Piano—Miss Dorothy Davies, "Romance in F Sharp" (Schumann).
 9.30 : Sea shanties—John Goss and Cathedral Male Quartet, (a) "Lowlands" (arr. Taylor), (b) "Highland Laddie" (Harris).
 9.33 : Instrumental—Broadcasting Trio, "Romance" (Frank Bridge).
 9.37 : Baritone—Mr. Percy Cathness, (a) "Pagan" (Lohr), (b) "Internos."
 9.41 : Piano—Miss Dorothy Davies, "Nocturne in F Sharp" (Chopin).
 9.45 : Contralto—Miss Jean Johnson, (a) "The Melody of Life" (Harrington Leigh), (b) "Homeward to You" (Coates).
 9.50 : Chorus—Light Opera Company, vocal gems, "Belle of New York."
 9.56 : Instrumental—Broadcasting Trio, (a) "Intermezzo" (Frank Bridge), (b) "Saltarello" (Frank Bridge).
 10.2 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, OCTOBER 22.

- 3.0 : Chimes. Selected gramophone items.
 3.15 : Lecture—"The School Lunch Box." Talk prepared by the Home Science Extension Department of Otago University.
 4.25 : Sporting results.
 5.0 : Chimes. Children's hour, conducted by Big Brother Bill.
 6.0 : Dinner music.
 Paul Godwin's Orchestra, "Musical Panorama Medley, Parts 1 and 2" (Lincke); "Birthday Serenade" (Lincke).
 6.13 : Tacet.
 6.15 : Paul Godwin's Orchestra, "The Spider" Intermezzo (Klose); "Tonerna" (Sjoberg); "Wedding Serenade" (Klose); "Butterfly Intermezzo." Violin with orchestra—Paul Godwin's Orchestra, "Serenade" (Tosti).
 6.29 : Tacet.
 6.30 : Paul Godwin's Orchestra, "Geisha" Medley (Jones).
 Vienna Schrammel Quartet, "Firefly's Appointment" (Siede).
 6.43 : Tacet.
 6.45 : Paul Godwin's Orchestra, "Medley Memorial of Strauss' Waltzes." Vienna Schrammel Quartet, "Serenade" (Heykens).
 6.58 : Tacet.
 7.0 : News session.
 7.15 : Talk—Mr. E. Beatson, "Quality of Milk and Cream." Under auspices of 4YA Primary Productions Committee.
 8.0 : Chimes.
 Band of H.M. Grenadier Guards, "New Sullivan Selection."
 8.9 : Soprano—Miss Rita Holmes, (a) "Villanelle" (Dellacqua); (b) "Roses in June" (O'Hagan).
 8.15 : Popular melodies—Kenz Orpheans, "Keeping Myself for You" (Clare); "Lonesome Little Doll" (Boutelje).
 8.23 : Recital—Miss Leonore Mackenzie, (a) "Cuddle Doon" (Anderson); (b) "Swallowing an Egg" (Farjeon).
 8.29 : Cornet—Mr. G. J. Christie, "Lucille" (Code).
 8.34 : Bass—Mr. Jack Clark, "Deathless Army" (Trotter).
 8.37 : Popular melody—Kenz Orpheans, "Sweeping the Clouds Away" (James); "Lady Luck" (Perkins).
 8.43 : Contralto—Miss M. Somerville, (a) "John Anderson" (Burns); (b) "The Rowan Tree" (Traditional).

- 8.48: Banjo novelty—Kenz Orpheans, "B and D Super March" (Anon).
 8.51: Scottish humour—Mr. James A. Paterson, (a) "Where Does the Rhinoceros Get His R.H.I.N.O.?" (Allan); (b) "When the Bloom is on the Heather" (Coates).
 8.57: Popular hit—Kenz Orpheans, "Stein Song" (Fenstad).
 9.0: Weather report.
 9.2: Soprano—Miss Rita Holmes, "Let Me Have My Dreams" (Yellen).
 9.5: Popular melody—Kenz Orpheans, "Happy Days are Here Again."
 9.9: Recital—Miss Leonore Mackenzie, "Rejuvenation of the Bishop."
 9.12: Cornet—Mr. G. J. Christie, "The Trumpeter" (Dix).
 9.17: Bass—Mr. Jack Clark, (a) "Song of the Waggoner" (Smith); (b) "At Tankerton Inn" (Fisher).
 9.22: Popular melody—Kenz Orpheans, "Telling it to the Daisies" (Warren).
 9.25: Contralto—Miss M. Somerville, "The Bonnie Banks o' Loch Lomond."
 9.28: Syncopated melody—B. Finlayson, "Steppin' on the Ivories" (Anon).
 9.32: Scottish humour—Mr. James A. Paterson, "My Highland Rose."
 9.35: Dance session.
 Foxtrot with vocal trio—Alfredo and His Band, "Sweetheart of all My Dreams" (Fitch).
 Foxtrot with vocal chorus—The Blue Jays, "Dance of the Paper Dolls."
 Foxtrots—Alfredo and His Band, "Deep Night" (Henderson).
 The Blue Jays, "The Toy Maker's Dream" (Golden).
 9.42: Waltzes with vocal choruses—Alfredo and His Band, "My Song of the Nile" (de Sylva); "I'll Always be in Love with You" (Ruby).
 Foxtrots with vocal choruses—Alfredo and His Band, "Turn on the Heat" (de Sylva); "This is Heaven" (Yellen); "If I Had a Talking Picture of You" (de Sylva).
 Vocal—G. H. Elliott, "Muddlin' Thro'" (Howard Flynn).
 10.0: Foxtrot with vocal duet—Alfredo and His Band, "Little Pal."
 Foxtrot with vocal chorus—Alfredo and His Band, "Why Can't You?"
 Waltz with vocal chorus—Alfredo and His Band, "Sometimes."
 Waltz with vocal trio—Alfredo and His Band, "Let Me Dream in Your Arms Again" (Nicholls).
 10.15: Vocal—Stanley Kirkby, "My Mother's Eyes" (Baer).
 Foxtrots with vocal choruses—Radio Rhythm Boys, "Painting the Clouds With Sunshine" (Burke).
 Alfredo and His Band, "Mean to Me" (Turk).
 Radio Rhythm Boys, "Tiptoe Thro' the Tulips With Me."
 The Plaza Band, "A Precious Little Thing Called Love."
 10.30: Waltz with vocal chorus—Alfredo and His Band, "Lady Divine."
 Foxtrot with vocal chorus—Harry Hudson's Melody Men, "Why do I Love You?" (Kern).
 Two-step—Bal Musette Orchestra, "Mayorgua" (Brunel).
 Vocal—G. H. Elliott, "Yodelling Coon" (Howard Flynn).
 10.42: Foxtrots with vocal choruses—Alfredo and His Band, "I've Never Seen a Smile Like Yours" (Johnson); "I Think of What You Used to Think of Me" (Turk).
 Harry Hudson's Melody Men, "Ol' Man River" (Kern).
 Alfredo and His Band, "I Don't Know Why I Do It, But I Do"; "Do Something" (Green, Stept).
 Dutch dance—Bal Musette Orchestra, "Rafle" (Berniaux).
 11.0: God save the King.

- Charles Dornberger and His Orchestra, "Campus Capers."
 Johnny Hamps Kentucky Serenaders, "Sunny Side Up."
 The High Hatters, "I'm in Love With You."
 9.48: Waltzes—The Troubadours, "Alice Blue Gown" (McCarthy-Tierney).
 Nat Shilkret and His Orchestra, "Dream Lover."
 10.3: Foxtrots—Nat Shilkret and His Orchestra, "Broadway Baby Dolls" (Bryan-Meyer); "You Wouldn't Fool Me, Would You?"
 Rudy Vallee and His Connecticut Yankees, "A Little Kiss Each Morning" (Woods).
 Henry Busse and His Orchestra, "After the Clouds Roll By."
 10.15: Waltzes—Nat Shilkret and His Orchestra, "Until the End."
 Jack Hylton and His Orchestra, "Tondeleyo" (Gay).
 Foxtrots—Leo Reisman and His Orchestra, "My Sweetest than Sweet."
 Nat Shilkret and His Orchestra, "Wishing and Waiting for Love" (Clarke-Akst).
 10.30: Jack Hylton and His Orchestra, "Jollity Farm" (Sarony).
 The High Hatters, "Aren't We All" (de Sylva-Brown-Henderson).
 Jack Hylton and His Orchestra, "On Her Doorstep Last Night" (Hargreaves-Damerall-Tilsley).
 The High Hatters, "You've Got Me Picking Petals off of Daisies" (de Sylva-Brown-Henderson).
 10.45: Waltz—The Troubadours, "Beautiful Lady" (McLennan-Caryll).
 Foxtrots—The High Hatters, "Nobody's Using It Now."
 Johnny Johnson and His Orchestra, "Just You, Just Me."
 Waltz—Nat Shilkret and Orchestra, "Love Me" (Lenoir Morse Aivaz).
 Foxtrots—Jack Hylton and His Orchestra, "Yours Sincerely."
 The High Hatters, "My Love Parade" (Grey-Schertzinger).
 Ted Weems and His Orchestra, "Sophomore Prom."
 Johnny Johnson and His Statler Pennsylvanians, "You're Responsible" (Clare-Levant).
 Ted Weems and His Orchestra, "I Don't Want Your Kisses if I can't have Your Love" (Fisher-Brookes).
 11.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, OCTOBER 23.

- 3.0: Chimes. Selected studio items.
 3.15: Lecturette—Miss I. F. Meadows, "Useful Hints for Christmas Gifts," prepared by the Home Science Extension Department of Otago University.
 3.30 and 4.30: Sports results to hand.
 5.0: Children's session conducted by Uncle George.
 6.0: Dinner session:
 New Mayfair Orchestra, "Follow Through" Selection.
 'Cello—Pablo Casals, "Spanish Dance" (Granados, arr. Casals).
 Novelty Orchestra, "Ginger Snaps" (Bourdon).
 6.18: Tacet.
 6.15: Victoria Orchestra, "La Serenata" (Metra).
 Kirilloff's Balalaika Orchestra, "Medley of Old-Time Songs."
 Organ—Jesse Crawford, "How Am I to Know?" (Parker-King).
 6.29: Tacet.
 6.30: Vienna Philharmonic Orchestra, "Die Fledermaus" (Strauss).
 Organ—Jesse Crawford, "I'll Close My Eyes to the Rest of the World."
 Novelty Orchestra, "Midnight Bells" (Heuberger).
 6.44: Tacet.
 6.45: Novelty Orchestra, "Passion Rose" (Lehar).
 Victoria Orchestra, "Espanita" (Rosey).
 'Cello—Pablo Casals, "Vito" (Spanish Dance), Op. 54, No. 5 (Popper).
 Novelty Orchestra, "Danse Bagatelle" (Bourdon).
 6.53: Tacet.
 7.0: News session, market reports and sports results.
 7.40: Lecturette—Mr. W. J. Fergie, New Zealand Railways, "The Romance of the Main Trunk Railway."
 8.0: Chimes. Studio concert by the Wellington Municipal Tramways Band (Conductor, Mr. E. Franklin) and 2YA artists.
 Overture—Band, "Poet and Peasant" (Suppe).
 8.9: Quartet—The Lyric, "In Silent Mead" (Emerson).
 8.13: Tenor—Mr. Charles Williams, "Pale Moon" (Logan).
 8.17: Novelty piano—Mr. Claud Bennett, (a) "Hippity Hop" (Green), (b) "Song of the Islands" (King).
 8.23: Elocution—Miss Esme Crow, "The Soliloquy of a Safety-Pin" (Floyer).
 8.28: Waltz—Band, "Waltz from 'Eugene Onegin'" (Tchaikowsky).
 8.35: Bass—Mr. W. Binet Brown, "Captain Mac" (Sanderson).
 8.39: Halle Orchestra, "Rosamunde Ballet Music No. 2" (Schubert).
 8.47: Soprano—Miss Veronica Mackenzie, "Sing, Joyous Bird" (Phillips).
 8.51: Quartet—The Lyric, "As the Moments Roll" (Webbe).
 8.55: March—Band, "On the Quarter-Deck" (Alford).
 9.0: Weather report and station notices.
 9.2: Tenor—Mr. W. Roy Hill, "Dolly, the Milkmaid" (Douglas Taylor).
 9.6: Novelty piano—Mr. Claud Bennett, "Judy" (Mayerl).
 9.10: Trombone—Bandsman Tallantyne, "Drinking" (with variations).
 9.15: Humour—Miss Esme Crow, "Greetings—Old and New."
 9.20: Selection—Band, "From Gounod's Operas" (Gounod).
 9.30: Baritone—Mr. Will Goudie, "Norseman's Song" (Allitsen).
 9.34: Classic Symphony Orchestra, "Pagliacci Selection" (Leoncavallo).
 9.42: Duet—Miss Veronica Mackenzie and Mr. W. Roy Hill, "Mountain Lovers" (Squire).
 9.46: Selection—Band, "Grasshoppers' Dance" (Bucalosi).
 9.50: Soprano—Miss Veronica Mackenzie, "Love's Valley" (Foster).
 9.54: Chorus—Musical comedy, "Miniature Musical Comedies" (Simpson and Holt).

Thursday, October 23

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, OCTOBER 23.

- 3.0: Afternoon session—Selected studio items, including Literary Selection by the Announcer.
 3.15: Lecturette—"Useful Hints for Christmas Gifts," prepared by the Home Science Extension Department of Otago University.
 3.30: Further selected studio items.
 5.0: Children's session, conducted by "Peter Pan."
 6.0: Dinner session.
 Charles Ancliffe and His Orchestra, "Ancliffe Waltzes" Selection.
 Octet—J. H. Squire's Celeste Octet, "Twilight on the Waters."
 Gil Dech Ensemble, "Italian Nights" (Roberts).
 6.14: Tacet.
 6.15: Regal Cinema Orchestra, "Sally Selection" (Burke, Kern).
 Organ—Quentin Maclean, "Lily of Laguna" (Leslie Stuart).
 J. H. Squire's Celeste Octet, "Minuet Sicilienne."
 6.28: Tacet.
 6.30: Debroy Somers Band, "Mister Cinders" Selection (Ellis and Myers).
 J. H. Squire's Celeste Octet, "The Piccaninies' Picnic" (Squire).
 Organ—Quentin Maclean, "Little Dolly Daydream" (Leslie Stuart).
 6.43: Tacet.
 6.45: Albert W. Ketelbey's Concert Orchestra, "The Clock and the Dresden Figures" (Ketelbey).
 J. H. Squire's Celeste Octet, "Minuet in D" (Mozart, arr. Willoughby).
 Albert W. Ketelbey's Concert Orchestra, "Wedgwood Blue."
 Orchestral—Gil Dech Ensemble, "Valse Parisienne."
 6.58: Tacet.
 7.0: News and market reports.
 7.40: Talk—Mr. N. M. Richmond, "Problems of Capital and Labour."
 8.0: Chimes. Relay from the Lewis Eady Hall, of Concert to be given by the Auckland Alpine Sports' Club.
 9.30: Programme of Dance Music from the studio.
 One-step—Jack Hylton and His Orchestra, "Moscow" (Evans).
 Foxtrots—"My Wife is on a Diet" (Tobias-Bennett).
 The High Hatters, "The Web of Love" (Cowan, Tittsworth).

- 9.58: March—Band, "A to Z" (Hopkinson).
10.2: God save the King.

3YA, CHRISTCHURCH (930 KILOCYCLES)—THURSDAY, OCTOBER 23.

- 3.0: Afternoon session—Gramophone recital.
3.15: Lecturette—"Useful Hints for Christmas Gifts," prepared by the Home Science Extension Service, Otago University.
4.25: Sports results.
5.0: Children's hour, conducted by "Ladybird" and "Uncle Frank."
6.0: Dinner session:
Mengelberg's Concertgebouw, "Oberon Overture," Parts 1, 2, and 3.
Squire's Chamber Orchestra, "L'Arlesienne Suite" (Intermezzo).
6.13: Tacet.
6.15: Menorah Symphony Orchestra, "Shulamith Selection" (Goldfaden).
B.B.C. Wireless Military Band, "Indian Queen" (arr. S. Chapp).
Squire's Chamber Orchestra, "L'Arlesienne Suite—Minuet" (Bizet).
6.29: Tacet.
6.30: New Queen's Hall Orchestra, "Slavonic Dance in G Minor" (Dvorak).
B.B.C. Wireless Military Band, "Indian Queen" (arr. C. Sharp).
Classic Symphony Orchestra, "Classical Memories" (arr. M. Ewing).
6.44: Tacet.
6.45: Squire's Celeste Octet, "Ave Maria" (Bach).
Poltronieri String Quartet, "Quartet in E—Andante and Canzonetta" (Haydn).
Squire's Celeste Octet, "On Wings of Song" (Mendelssohn).
6.58: Tacet.
7.0: News session.
8.0: Chimes. Classical and Miscellaneous Programme.
Overture—New Queen's Hall Orchestra, "Finlandia" (Sibelius).
8.9: Quartets—Melodious Four, (a) "Nobody Knows the Trouble" (Slave Hymn), (b) "Oh, Dem Golden Slippers" (Bland).
Soprano—Miss Frances Hamerton, "Spring" (Stern).
8.16: Instrumental—Studio Octet (Conductor, Mr. Harold Beck), "Itallana in Algeria" (Rossini).
8.24: Tenor—Mr. Russell Sumner, "Go, Lovely Rose" (Quilter).
Mezzo-contralto—Miss Millicent Jennings, (a) "A Prayer in Absence" (Brahe), (b) "A Letter Song of Picardy" (Scott).
8.31: Novelty—Circolo Mandolinistico, (a) "Stephanie Gavotte" (Czibulka), (b) "Torna a Surriento" (Czibulka).
8.37: Humour—Miss Ruby Boot, "Table Manners" (Harry Graham).
8.42: Instrumental—Studio Octet, (a) "Waltz," (b) "Intermezzo," (c) "Pas-sacaglia" (Cyril Scott).
8.50: Soprano and tenor—Dulce Duo, "Swing Song" (Messenger).
8.54: Bass—Mr. T. D. Williams, "I Fear No Foe" (Pinsuti).
8.58: Weather report and station notices.
9.0: New Concert Orchestra, "Nights of Fragrance" (Ziehrer).
9.4: Quartet—Melodious Four, "Deep River" (Negro Spiritual).
Soprano—Miss Frances Hamerton, (a) "The Reason" (Hickey); (b) "Ambition," from "Littlest One" (J. Webb).
9.10: Studio Octet—Gressenhall Suite (Woods), (a) "Preamble," (b) "A Norfolk Folk Tune," (c) "Slow Air," (d) "Jig and Finale."
9.21: Tenor—Mr. Russell Sumner, (a) "Serenade" (Schubert), (b) "Pleading" (Elgar).
Mezzo-contralto and bass—Melodious Duo, "Nile Waters" (Lohr).
9.29: New Concert Orchestra, "Vienna Maidens" (Ziehrer).
9.33: Recitation—Miss Ruby Boot, "King Hillary and the Beggarman."
9.38: Violin—Miss Thelma Cusack with Studio Octet, "Meditation."
9.46: Mezzo-contralto—Miss Millicent Jennings, (a) "Brittany" (Bullock), (b) "Caravan" (Shaw).
9.50: Bass—Mr. T. D. Williams, "Brian of Glannar" (Graham).
Quartet—Melodious Quartet, "Sweet and Low" (Barnby).
9.56: Instrumental—Studio Octet, (a) "La Fenetre d'Amour" (De Sevarac), (b) "Tempo di Minuetto" (Beethoven), (c) "Spanish Dance" (Moszkowski).
10.5: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, OCTOBER 23.

SILENT DAY.

Friday, October 24

1YA, AUCKLAND 900 KILOCYCLES)—FRIDAY, OCTOBER 24.

- 12.0: Relay from Auckland Town Hall of Civic Reception to the Admiral and Officers of the Dutch Fleet.
3.0: Afternoon session—Selected Studio Items, including Literary selection by the Announcer.
5.0: Children's session, conducted by Nod and Aunt Jean.
6.0: Dinner session.
Berlin State Opera, "Polonaise" Liszt) D1625).
Violin—Isolde Menges, "Nocturne in E Flat Op. 9 No. 2." Chopin).
6.13: Tacet.
6.15: Band—H.M. Coldstream Guards, "La Fille De Madame Angot."
Piano—Mark Hambourg, "Rakoczy March" Liszt).
John Barbirolli's Chamber Orchestra, "A Little Night Music—First Movement" (Mozart).
6.29: Tacet.
6.30: John Barbirolli's Chamber Orchestra, "A Little Night Music—Second, Third and Fourth Movements."

Piano—Mark Hambourg, "On Wings of Song" Mendelssohn).

- 6.44: Tacet.
6.45: Quartet—Virtuoso String Quartet, "Londonderry Air" arrgd. Bridge).
Violin—Isolde Menges, "Air on G String" (Bach) (D1288).
Quartet—Virtuoso String Quartet, "The Emperor" Quartet Op. 76. No. 3" (Haydn).
6.58: Tacet.
7.0: News and market reports.
7.40: Talk—Professor J. C. Sperrin-Johnson, President of Zoological Society: "Survey of Recent Advancement in Zoology."
8.0: Chimes. Instrumental—Studio trio, under direction of J. Whitford Waugh, (a) "Hungarian Dance, No. 7 in A Major" (Brahms); (b) "Rustle of Spring" (Sinding).
8.11: Baritone—Mr. Victor Baxter, (a) "Had a Horse" (Korby); (b) "Shepherd, See Thy Horse's Foaming Mane" (Korby).
8.19: Lecture-recital—Mrs. Daisy Basham, assisted by Mr. Cyril Towsey, pianist, "The Life and Works of 'Liszt.'"
8.34: Cello solo—Miss Lalla Hemus, "Gavotte" (Popper).
8.39: Contralto—Miss Jessie Shmith, (a) "Bois Epaïs" (Tully); (b) ("Sylvia" SSpeaks).
8.47: Instrumental—Studio Trio, Three Pieces: 1. Serenade; 2. Barcarole; 3. Pizzicato Gavotte (Pache).
8.58: Evening Weather Forecast and Announcements.
9.0: Baritone—Mr. Victor Baxter, "Trotting To The Fair" (Stanford).
9.4: Lecture-recital—Mrs. Daisy Basham, assisted by Cyril Towsey, "The Life and Works of 'Liszt.'"
9.19: Violin—Mr. J. Whitford Waugh, "Kuyawick" (Wieniawski).
9.23: Contralto—Miss Jessie Shmith, (a) "The Cloths of Heaven" (Dunhill), (b) "Trees" (Rasbach); (c) "Babe o' Mine" (Shmith).
9.30: Lecture-recital—Mr. Karl Atkinson, Gramophone Lecture-recital "Wagner in Homeopathic Doses."
10.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, OCTOBER 24.

- 3.0: Chimes—Selected studio items.
3.30 and 4.30: Sporting results to hand.
4.55: Close down.
5.0: Children's session, conducted by Uncle Jim.
6.0: Dinner music session.
Selection—Court Symphony Orchestra, "The Windmill Man."
J. H. Squire's Celeste Octet, "Scene de Ballet" (de Berliot—arr. Sear).
Halle Orchestra, "Hungarian Dance, No. 5, in G Minor" (Brahms).
6.13: Tacet.
6.15: Plaza Theatre Orchestra, "The Three Bears" Fantasy (Coates).
J. H. Squire's Celeste Octet, "A Vision of Christmastide" (Harrison).
6.27: Tacet.
6.30: Regimental Band of H.M. Grenadier Guards, "La Benediction des Poignards" (Meyerbeer).
Bournemouth Municipal Orchestra, "Echoes of the Valley" (Genin).
J. H. Squire's Celeste Octet, "Second Movement from Symphonie Pathetique" (Tchaikowsky—arr. Robertson).
Halle Orchestra, "Hungarian Dance, No. 6, in D" (Brahms).
6.43: Tacet.
6.45: Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).
Regimental Band of H.M. Grenadier Guards, "Lo, Here the Gentle Lark"
Herman Finck's Orchestra, "Christmas Memories" (arr. Finck).
6.58: Tacet.
7.0: News session, market reports and sports results.
8.0: Chimes. An operatic programme, featuring Signor Lucien Cesaroni's Operatic Company in excerpts from "Il Trovatore" (Verdi).
Overture—2YA Orchestra (Conductor, Signor A. P. Truda), Selection from "Il Trovatore" (Verdi).
8.9: Act 1—Bass and Chorus—Signor Lucien Cesaroni and the Company, "Swarthy and Threatening" (Verdi).
8.26: Selection—2YA Orchestra, "From Aida" (Verdi).
8.34: Chorus of Gipsies from Act II. "See How the Darkness of Night Hovers"
Mezzo-soprano—Miss Janette Sterling, "Pierce Flames are Soaring."
Chorus of Gipsies, "Sad is Thy Morning Song" (Verdi).
8.44: Band—National Military Band, "Flying Dutchman" (Wagner).
8.52: Selection—2YA Orchestra, "Tyrolean" (Zelle).
9.0: Weather report and station notices.
9.2: Duets—Mrs. H. Maplesden and Mr. R. Trewern, (a) "Yes, I Will Rest, for My Soul is Weary" (Verdi), (b) "Home to Our Mountains" (Verdi).
9.10: Harp—Mildred Dilling, (a) "Arabesque No. 1" (Debussy), (b) "Am Springbrunnen" (Zabel).
9.18: Bass—Signor Lucien Cesaroni, aria, "In the Light of Her Sweet Glances" (Verdi).
9.22: Bass solo and chorus—Signor Lucien Cesaroni and Chorus, Soldiers' Chorus, "Now the Dice Invite of Leisure" (Verdi).
Bass recitative—Signor Lucien Cesaroni, "Yes, Brave Companions."
Chorus—"Clarions Blowing" (Verdi).
9.28: Waltz—2YA Orchestra, "Chantilly" (Waldteufel).
9.36: Tenor—Mr. R. Trewern, Aria from Act 3, "Oh, Come Let Links Eternal" (Verdi).
9.40: Band—H.M. Coldstream Guards, "La Fille de Madame Angot."
9.48: The Grand Finals, Chorus—The Company, "Pray Thy Peace" (Verdi).
Soprano—Miss M. Christie, "What Voices of Terror" (Verdi).
Tenor—Mr. R. Trewern, "Thou Here on Earth" (Verdi).
Chorus—The Company, "Pray Thy Peace" (Verdi).
Soprano—Miss M. Christie, "O, Night Full of Anguish" (Verdi).

- Chorus—The Company, "Heaven Have Mercy" (Verdi).
 9.56: March—2YA Orchestra, "A Francesca" (Costa).
 10.0: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, OCTOBER 24,

- 3.0: Afternoon session—Gramophone recital.
 4.25: Sports results.
 5.0: Children's hour—"Peterkin."
 6.0: Dinner session.
 Symphony Orchestra, "Artists' Life" (Strauss).
 Columbia Symphony Orchestra, "Al Fresco" (Herbert).
 La Nuova Orchestra, "Di Napoli" (Romani).
 H.M. Grenadier Guards, "La Paloma" (Yradier).
 6.13: Tacet.
 6.15: Ketelbey's Orchestra, "In a Monastery Garden" (Ketelbey).
 Jacques Jacobs' Ensemble, "Over the Waves" (Rosas).
 6.27: Tacet.
 6.30: Columbia Symphony Orchestra, "Bandinage" (Herbert).
 Royal Serbian Tambouritzza Orchestra, "Kosovo."
 Symphony Orchestra, "Tales from the Vienna Woods" (Strauss).
 H.M. Grenadier Guards Band, "Twist and Twirl" (Kottfaun).
 6.43: Tacet.
 6.45: Royal Philharmonic Orchestra, "Blue Danube" (Strauss).
 Jacques Jacobs' Ensemble, "España" (Waldteufel).
 6.57: Tacet.
 7.0: News session.
 7.30: Talk—Mr. Charles Hines (Hon. Secretary Sumner Lifeboat Institution), "Lifeboat Service."
 8.0: Chimes. Band of H.M. Coldstream Guards, "Geisha" Selection (Jones).
 8.4: Quartet—Valencia Quartet, "Will o' the Wisp" (Cherry).
 Bass—Mr. E. J. Johnson, (a) "Song of the Waggoner" (Smith), (b) "King Charles" (M. V. White).
 8.14: Mouth organ—Mr. John Gallacher, (a) "Serenade" (Toselli—arr. Self), (b) "La Paloma" (Yradier—arr. Self).
 8.19: Soprano—Miss Lucy Fullwood, (a) "April's Coming" (Hewitt), (b) "The Bonnie Bush and Broom" (Hewitt).
 8.27: Cornet—Mr. Norman G. Goffin, "Wendouree" (Percy Code).
 8.32: Contralto—Miss Mary Taylor, "I Heard You Singing" (Coates).
 Quartet—Valencia Quartet, "O, Hush Thee, My Babe" (Sullivan).
 8.38: Steel guitars and ukulele—Elaine Moody's Hawaiian Trio, (a) "With My Guitar and You" (Sayder), (b) "Hawaiian Smiles" (Earl), (c) "Hear Those Ukuleles Calling" (Scott) (with vocal refrains by Elaine Moody).
 8.48: Tenor—Mr. T. G. Rogers, (a) "Nirvana" (Adams), (b) "Roses."
 Contralto—Miss Mary Taylor, (a) "A Bowl of Roses" (Clarke), (b) "The Sweetest Flower that Blows" (Hawley).
 9.0: Weather report and station notices.
 9.2: Cornet—Mr. Norman G. Goffin, "Till My Soul Be Free" (Piccolomini).
 9.7: Tenor and baritone—Valetta Duo, "Love and War" (Cook).
 9.11: Mouth organ—Mr. John Gallacher, (a) "I'm in the Market for You" (de Sylva), (b) "The Toymaker's Dream" (Golden).
 9.16: Valencia quartet—"Softly Fall the Shades of Evening" (Hatton).
 9.20: Steel guitars and ukulele—Elaine Moody's Hawaiian Trio, (a) "High Society Blues" (Hanley), (b) "Hawaiian Lullaby" (Bridges), (c) "My Pet" (arr. Moody).
 Dance music.
 Foxtrots—The Rhythmic Eight, "I'm Doing What I'm Doing for Love."
 The High Hatters, "Hoosier Hop" (Dreyer-Macdonald).
 Jack Hylton and His Orchestra, "Button Up Your Overcoat."
 Nat Shilkret and His Orchestra, "Chant of the Jungle."
 Jack Hylton and His Orchestra, "My Lucky Star."
 9.45: Vocal duet—The Duncan Sisters, "I'm Following You."
 Foxtrots—The High Hatters, Look for the Silver Lining."
 Rudy Vallee and His Connecticut Yankees, "You're Just Another Memory" (Coots-Davis-Klages).
 The High Hatters, "Wild Rose" (Grey-Kern).
 Waring's Pennsylvanians, "Navy Blues" (Turk-Ahlert).
 Leo Reisman and His Orchestra, "Happy Days are Here Again."
 10.3: Waltz—George Olsen and His Music, "Romance" (Leslie-Donaldson).
 Foxtrots—Rudy Vallee and His Connecticut Yankees, "I Love You, Believe Me, I Love You" (Cowan-Bartholomae-Boutelje).
 Nat Shilkret and His Orchestra, "Bigger and Better than Ever" (Friend).
 Vocal—Daniel Haynes and Dixie Jubilee Singers, "Waiting at the End of the Road" (Berlin).
 10.15: Foxtrots—George Olsen and His Music, "After a Million Dreams."
 New Mayfair Orchestra, "There's Room in My Heart."
 Nat Shilkret and His Orchestra, "That Wonderful Something" (Goodwin-Alter).
 New Mayfair Dance Orchestra, "I'll Be Getting Along."
 The Rhythmic Eight, "I'm Feathering a Nest."
 10.30: Waltz—Rudy Vallee and His Connecticut Yankees, "If You Were the Only Girl in the World" (Grey-Ayer).
 The High Hatters, "I'm Following You" (Dreyer-Macdonald).
 Jack Hylton and His Orchestra, "The Banjo" (Porter).
 Vocal duet—The Duncan Sisters, "Hoosier Hop" (Dreyer-Macdonald).
 10.42: Foxtrots—Jackie Taylor's Orchestra, "A Night of Happiness."
 Jack Hylton and His Orchestra, "Turn on the Heat."
 Jackie Taylor's Orchestra, "Sitting by the Window."

- Jack Hylton and His Orchestra, "If I Had a Talking Picture of You" (de Sylva-Brown-Henderson).
 George Olsen and His Music, "South Sea Rose."
 Leo Reisman and His Orchestra, "Lucky Me, Loveable You."

11.0: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, OCTOBER 24.

- 3.0: Chimes. Selected gramophone items.
 3.15: Talk—Miss Buccleugh, "Fashions."
 4.25: Sports results.
 5.0: Chimes. Children's hour, conducted by "Aunt Sheila."
 6.0: Dinner music:
 Halle Orchestra, "Capriccio Espagnole" (Rimsky-Korsakov).
 6.13: Tacet.
 6.15: Menorah Symphony Orchestra, "Bar Kochba" Selection (Goldfaden).
 Piano—Ignaz Friedman, "Minuetto from Suite" (J. Suk).
 New York Symphony Orchestra, "Entrance of the Little Fauns."
 6.28: Tacet.
 6.30: Quartet—Musical Art Quartet, "To a Wild Rose" (McDowell).
 Violin—Yelly D'Aranyi, "Souvenir" (Drdla).
 Orchestra de la Société des Concerts du Conservatoire, Paris, "Le Rouet d'Omphale" (Saint-Saens).
 6.42: Tacet.
 6.45: Quartet—Musical Quartet, "Mighty Lak a Rose" (Nevin).
 Piano—Ignaz Friedman, "Berceuse" (Chopin).
 Berlin State Orchestra, "Wiener Blut" (Strauss).
 6.57: Tacet.
 7.0: News session.
 8.0: Relay from Oamaru of public performance of "Our Miss Gibbs" (Monckton) by Oamaru Amateur Theatrical Society. Producer, Mr. B. Syverston; Musical Director, Mr. George Whale.
 Cast:
 Hon. Hughie Pierrepont—Mr. Graham Dickel.
 Slitheers—Mr. Les. Frame.
 A Taxi "Cabby"—Mr. Charles Rowe.
 Toplady—Mr. Stanley Hook.
 Mr. Amalfi—Mr. Tom Banks.
 Earl of St. Ives—Mr. E. Brown.
 Lord Eynesford—Mr. P. Linton Hodge.
 Beavis—Mr. Allan Young.
 Timothy Gibbs—Mr. B. Syverston.
 The Duchess of Minster—Mrs. Laura MacDowell.
 Lady Elizabeth Thanet—Miss Edna Fraser.
 Mrs. Farquhar—Miss Nancy Dexter.
 Madame Jeanne—Miss Olive Bennett.
 Our Miss Gibbs—Miss Tui Salt.
 10.30: God save the King.

Saturday, October 25

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, OCTOBER 25.

- 11.45: Results of Auckland Trotting Club's meeting—Interspersed with selected studio items.
 5.0: Children's Session—conducted by Cinderella.
 6.0: Dinner session.
 March—H.M. Grenadier Guards, "Martial Moments" (arr. Winter).
 Waltz—Eddie Thomas' Collegians, "Missouri Waltz" (Logan).
 6.12: Tacet.
 6.15: Violin and Wurlitzer Organ—Marrnello, "Evening in the Desert."
 Hawaiian—South Sea Islanders, "Dreamy Hilo Bay" (Heagney).
 March—Columbia Symphony Orchestra, "March of the Toys."
 Piano solo—Percy Grainger, "Molly on the Shore" (Grainger).
 6.26: Tacet.
 6.30: Waltz—Eddie Thomas' Collegians, "Till We Meet Again" (Whiting); "Beautiful Ohio" (Earl).
 Piccolo duet—Jean and Pierre Gennin, "Rippling Streams."
 6.41: Tacet.
 6.45: Violin and Organ—Marrnello, "Once" (Saunders).
 Xylophone—W. W. Bennett, "Gee Whiz" (Byron).
 Hawaiian—South Sea Islanders, "Lei Lani" (Heagney).
 Denza Dance Band, "In the Shadows" (Finck).
 6.58: Tacet.
 7.0: News and Market Reports.
 7.40: Talk—Mr. A. E. McMahon, "Chrysanthemums."
 8.0: Chimes.
 Overture—New Mayfair Orchestra, "Love Lies" (de Sylva).
 8.5: Contralto—Miss Edna Peace, (a) "Echo" (Wolstenholme); (b) "When Childer Plays" (Davies).
 8.12: Selection—1YA String Octet, under direction of Mr. Whiteford Waugh, "No, No, Nanette" (Youmans).
 8.22: Baritone—Mr. Clinton Williams, "When My Ships Come Sailing Home" (Dorel).
 8.26: Violin—Mr. Leslie Haynes, "Serenade" (Toselli).
 8.31: Musical Comedy—Ernest and Wendy Luks, "Merry Moments at the Piano."
 8.41: Novelty piano solo—Mr. Ivan Perrin, (a) "Telling It To The Daisies" (Warren); (b) "Pagan Love Song" (extemporisation) (Brown).
 8.48: Orchestral—1YA String Octet, "Lightning Switch" (Alford).
 8.58: Evening Weather Forecast and Announcements.

- 9.0 : New Mayfair Orchestra, "Five O'Clock Girl" (Ruby).
 9.4 : Contralto—Miss Edna Peace, "Like to a Damask Rose" (Elgar).
 9.8 : Suite—1YA String Octet, Carnival Suite (Ring) 1. Cavalcade; 2. Pierette; 3. Harlequin; 4. Columbine; 5. Frolic.
 9.20: Baritone—Mr. Clinton Williams, (a) "Myself When Young" (Lehmann); (b) "For The Green" (Lohr).
 9.27: Novelty piano solos—Mr. Ivan Perrin, (a) "Mocking the Classics" (Own arrgt.); (b) "The Devil is Afraid of Music" (Robertson).
 9.34: Sea Shanties—John Goss and Cathedral Male Voice Quartet. (a) "Shenandoah"; (b) "Rio Grande"; (c) "Billy Boy" (arr. Terry).
 9.40: Musical comedy—Ernest and Wendy Luks. "Merry Moments at the Piano."
 9.50: Orchestral—1YA String Octet, (a) "Andantino" (Lemare); (b) "Nos 2 and 3 from Mask Dances" (Wood).
 10.0 : Programme of Dance Music.
 Foxtrots—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "When The Little Red Roses Get The Blues For You" (Dubin-Burke), "Puttin' on the Ritz" (Berlin). "Leven-Thirty Saturday Night" (Burnett, Frantham, Kirkpatrick).
 Waltz—Regent Club Orchestra, "It Happened in Monterey."
 10.12: Foxtrots—Ben Bernie and His Orchestra, "To My Mammy" (Berlin). Slatz Randall and His Orchestra, "What a Perfect Night For Love" (Lenzen, Cameron, Bontsema).
 10.21: Vocal—Chester Gaylord, "Any Time's The Time To Fall In Love." Foxtrots—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Courtin' Time" (Stoddard, Coburn, Burnett). Meyer Davis' Hotel Astor Orchestra, "O! How I Adore You." Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Song of the Dawn" (Yellen, Ager). Roger Wolfe Kahn and His Orchestra, "Dark Night." Waltz—Meyer Davis' Hotel Astor Orchestra, "Farewell."
 10.36: Foxtrots—Ben Bernie and His Orchestra, "Looking At You" (Berlin). Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "There's Danger in Your Eyes, Cherie!" Slatz Randall and His Orchestra, "Sweetheart Trail."
 10.45: Vocal—Chester Gaylord, "Blue is the Night" (Fisher). Waltz—Colonial Club Orchestra, "Why Don't You Love Me" (Mason). Foxtrots—Roger Wolfe Kahn and His Orchestra, "Into My Heart." Louis Panico and His Orchestra, "Wabash Blues." Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "With You" (Berlin).
 11.0 : God save the King.
- 9.40: Contralto—Miss Dorothy McEwan, (a) "One Hour" (Longstaffe), (b) "Home Along" (Sanderson).
 9.46: Comedy—Norman Long, (a) "What Did the Village Blacksmith Say?" (Henry), (b) "Overture 1929" (Carlton and Long).
 9.52: Dance numbers—2YA Salon Orchestra, "Dance Novelties."
 10.0 : Dance programme:
 Foxtrots—Nat Shilkret and His Orchestra, "Nobody But You." Jack Hylton and His Orchestra, "Orange Blossom Time." Nat Shilkret and His Orchestra, "Your Mother and Mine." Waltz—Leo Reisman and His Orchestra, "Dance Away the Night."
 10.12: Foxtrots—The Rounders, Jack Hylton and His Orchestra, "Singin' in the Rain" (Freed-Brown). The High-Hatters, "Low Down Rhythm" (Klages-Greer). Waring's Pennsylvanians, "Navy Blues" (Turk-Ahlert). Humour—Norman Long, "Is It British?" (K. and G. Weston).
 10.24: Foxtrots—Henry Busse and His Orchestra, "Since I Found You." George Olsen and His Music, "South Sea Rose." Charles Dornberger and Orchestra, "May-Be-Who-Knows." Leo Reisman and His Orchestra, "Doing the Boom Boom."
 10.36: Waltz—Henry Busse and His Orchestra, "Like a Breath of Springtime" (Dubin-Burke). Vocal—Norman Long, "I Think of You" (K. and G. Weston).
 10.42: Foxtrots—Victor Arden, Phil Ohman, and their Orchestra, "Love, Your Spell is Everywhere" (Janis-Goulding). Nat Shilkret and His Orchestra, "You Made Me Love You, Why Did You?" (Lombardo-Kippel). Leo Reisman and His Orchestra, "Look What You've Done to Me" (Conrad-Mitchell-Gottler).
 10.51: Waltz—Ben Pollack and His Park Central Orchestra, "You're Always in My Arms" (McCarthy-Tierney). Foxtrots—"Sweetheart, We Need Each Other" (McCarthy-Tierney). Charles Dornberger and Orchestra, "I Want to Meander in the Meadow" (Wood and Tobias).
 11.0 : Sporting summary.
 11.10: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, OCTOBER 25.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, OCTOBER 25.

- 12.0 : Chimes. Results of the first day of the Wellington Racing Club's Spring Meeting, interspersed with studio items.
 5.0 : Chimes. Children's session conducted by Uncle Toby.
 6.0 : Dinner music session:
 Edith Lorand Orchestra, "Johann Strauss" Fantasia (Strauss). Piano and orchestra—Raie da Costa and Orchestra, "When Day Is Done" (De Sylva).
 6.12: Tacet.
 6.15: Hawaiian—David Kaili, "Honolulu March." Organ—Leslie Harvey, "Where the Shy Little Violets Grow" (Warren). Dajos Bela Orchestra, "The Grenadiers" (Waldteufel). Saxophone—Arnold Brillhart, "Fascination" (Bernie).
 6.28: Tacet.
 6.30: Dajos Bela Orchestra, "Polish Life" (Nedbal). Piano and orchestra—Raie da Costa and Orchestra, "Sweetheart, I'm Dreaming of You" (Carter). Dajos Bela Orchestra, "Dancing Demoiselle" (Fall).
 6.42: Tacet.
 6.45: Edith Lorand Orchestra, "Dollar Princess" (Fall). Dajos Bela Orchestra, "Casino Tanze" (Gungl).
 6.57: Tacet.
 7.0 : News session, market reports and sports results.
 8.0 : Chimes. Overture—2YA Salon Orchestra (Conductor, Mr. M. T. Dixon), "Stradella" (Plotow).
 8.9 : Soprano—Mrs. Eileen Miller, "Bird Songs at Eventide" (Coates).
 8.13: Novelty—The Golden Hula Quintet, (a) "Kamehameha Waltz" (King), (b) "Medley Manna, Wili and Ohinemutu" (traditional).
 8.20: Songs at piano—Mr. Billy Hart, (a) "Roll, Roll, Rolling Along" (Mencher), (b) "The World Is Yours and Mine" (Green), (c) "Sweetheart of All My Dreams" (Fitch).
 8.30: Saxophone—Mr. W. J. Haines, "Until" (Sanderson). Selection—Salon Orchestra, "Dance of the Tea Dolls" (Schmidt-Hagen).
 8.38: Humour—Patterson and Hull, "Ballyboegoy Boy" (original).
 8.45: Novelty instrumental—Flanagan Brothers, (a) "The Coach Road to Sligo," (b) "Hearty Boys of Ballymote."
 8.48: Contralto—Miss Dorothy McEwan, "Hindoo Song" (Bemberg).
 8.52: Selection—Salon Orchestra, "Request item."
 9.0 : Weather report and station notices.
 9.2 : Soprano—Mrs. Eileen Miller, "Ma Curly-Headed Baby" (Clutsam).
 9.6 : Mackey's Band, "The Vagabond King" (Friml).
 9.14: Baritone—Mr. Ken Rigby, (a) "Sally" (Kern), (b) "I'm a Dreamer."
 9.20: Selection—Salon Orchestra, "Ballad Memories" (Baynes).
 9.28: Humour—Patterson and Hull, "Listening In" (original).
 9.33: Novelty—The Golden Hula Quintet, (a) "Angela Mia" (Rapee), (b) "Honolulu Maids" (King).
 3.0 : Afternoon session gramophone recital.
 4.25: Sports results.
 5.0 : Children's Hour, conducted by Aunt Pat and Uncle Charlie.
 6.0 : Dinner session.
 International Concert Orchestra, "Over the Waves" (Rosas). Paul Whiteman and His Orchestra, "High Water." Hilo Hawaiian Orchestra, "My Hula Love" (Kealakai). Zonophone Salon Orchestra, "Simple Aveu" (Thome).
 6.13: Tacet.
 6.15: Paul Whiteman and His Orchestra, "Mississippi Suite" (Grove). Organ—Edward O'Henry, "Chant Sans Paroles" (Tschalkowsky). Zonophone Salon Orchestra, "Narcissus" (Nevin).
 6.29: Tacet.
 6.30: Waltz—International Concert Orchestra, "Danube Waves." Hilo Hawaiian Orchestra, "Kawaihau Waltz" (Kealakai). Paul Whiteman and His Orchestra, "Caprice Futuristic" (Malneck). Organ—Edward O'Henry, "Ca C'Est Madrid" (O'Henry).
 6.44: Tacet.
 6.45: Hylton's Orchestra, "Good Old Songs" Selection. International Concert Orchestra, "Barcarolle" (from "Tales of Hoffman") (Offenbach). New Light Symphony Orchestra, "Cavalleria Rusticana" (Mascagni).
 6.59: Tacet.
 7.0 : News session.
 7.30: Sports results.
 8.0 : Chimes. Vaudeville and Dance Programme. Band of H.M. Grenadier Guards, "Regimental March Medley."
 8.9 : Mezzo-contralto—Miss Betty Hilliard, "Ka-Lu-A" (from "Cabaret Girl") (Kera).
 8.13: Auto Accordion—Mrs. R. E. Hodgson, "American Patrol March."
 8.17: Tenor—Mr. David McGill, "Annie Laurie" (Lehmann).
 8.21: Instrumental—Studio Octet (Conductor Harold Beck), "Valse-Artist Life" (Strauss).
 8.31: Humorous Sketch—The Mascots, "In the Nick of Time."
 8.41: Auto Accordion—Mrs. R. E. Hodgson, "The Estudantina Waltz."
 8.44: Soprano—Mrs. Ralph Sierokowski, (a) "Dream Lover" (Schertsin-ger), (b) "One Alone" (Romberg).
 8.50: Instrumental—Studio Octet, "Musical Comedy Selection Wildflower."
 9.0 : Weather report and station notices.
 9.2 : Gil Dech Ensemble, "Italian Nights" (Roberts).
 9.5 : Mezzo-contralto—Miss Betty Hilliard, (a) "Bell of the Bal Masque" (from "French Maid") (Slaughter); (b) "A Wee Bit of Love."
 9.11 : Auto Accordion—Mrs. R. E. Hodgson, "Troubadour Cavatina."
 9.14: Tenor—Mr. David McGill, (a) "A Dream" (Bartlett); (b) "The Carnival" (Molloy).
 9.20: Instrumental—Studio Octet, (a) "Parade of the Tin Soldiers" (Leon Jessel); (b) "Eidelweiss Gavotte" (Toubie).
 9.27: Humorous Sketch—The Mascots, "Lest We Forget."
 9.37: Comedy—Will Fyffe, "Sheila McKay" (McKenzie).
 9.41: Soprano—Mrs. Ralph Sierokowski, "That's How The World Was Made" (Nicholls).
 9.45: Instrumental—Studio Octet, (a) "Broadway Melody" (Brown); (b) "The Love Parade" (Schertzing).
 9.45: Instrumental—Studio Octet, (a) "Broadway Melody" (Brown); (b) "The Love Parade" (Schertzing).

- 9.53: Chorus—Harold Williams and Chorus, (a) "Song of the Vagabonds"; (b) "Only a Rose" (Hooker and Friml).
 9.59: Instrumental—Studio Octet, "Serenade" (Pierne).
 10.3: Dance music until 11 p.m.
 Foxtrots—Jesse Stafford and His Palace Hotel Orchestra, "Sophomore Prom" (Klages-Greer).
 Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Reach Out For a Rainbow."
 Irving Mills and His Hotsy Totsy Gang, "My Little Honey and Me" (Hackforth).
 Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Parade of the Blues" (Conrad-Mitchell-Gottler).
 10.11: Duet—Al and Pete, "Piccolo Pete" (Baxter).
 Foxtrots—Herbert Gordon and His Hotel Ten Eyck Whispering Orchestra, "I Could Do It For You."
 Dan Russo and His Oriole Orchestra, "Wouldn't It Be Wonderful" (Clarke-Akst).
 Herbert Gordon and His Hotel Ten Eyck Whispering Orchestra, "Hard To Get" (Meyer-Bryan-McLaughlin).
 10.2: Waltzes—Carter's Orchestra, "Missouri Moon" (Parish Lodge).
 Eddy Shaw's Hawaiians, "Sweetheart of the Tropical Sea."
 Hal Kemp and His Orchestra, "H'Lo Baby."
 Red Nicholls and His Strike up the Band Orchestra, "Strike Up The Band" (Gershwin).
 10.16: Vocal duet—Al and Pete, "When You're in Love" (Little-Burke).
 Foxtrots—Hal Kemp and His Orchestra, "A Little Kiss Each Morning" (Woods).
 Red Nicholls and His "Strike up the Band" Orchestra, "Soon" (Gershwin).
 Waltzes—Eddy Shaw's Hawaiians, "Under the South Sea Moon" (Perry-Ball).
 10.48: Carter's Orchestra, "Daddy's Lullaby" (De Voll-Gene-Ford-Glen).
 Foxtrots—Bob Haring and His Orchestra, "Love Made a Gipsy Out of Me" (Phillips-De Costa-Zimmerman).
 Hal Kemp and His Orchestra, "I Love You, Believe Me I Love You" (Cowan-Bartholomae-Bontelje).
 Bob Haring's Orchestra, "Georgia Pines" (Trent-De Rose).
 11.0: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, OCTOBER 25.

- 3.0: Chimes. Selected gramophone items.
 4.25: Sporting results.
 5.0: Chimes. Children's hour, conducted by "Uncle Sambo."
 6.0: Dinner music:
 Piccadilly Orchestra, (a) "My Beloved Gondolier" (Tibor), (b) "Souvenir de Capri" (Beccce).
 New Light Symphony Orchestra, "Just a Memory" (De Sylva).
 Violin and cinema organ—Elsie Southgate, "I Hear You Calling Me."
 6.12: Tacet.
 6.15: Marek Weber's Orchestra, "Potpourri of Waltzes" (Robrecht).
 Hilo Hawaiian Orchestra, "Sweet Hawaiian Dream Girl" (Williams).
 6.20: Tacet.
 6.30: New Light Symphony Orchestra, "Scenes de Ballet Marionettes."
 Violin and cinema organ—Elsie Southgate, "Rose in the Bud" (Tate).
 New Light Symphony Orchestra, "Persiflage" (Francis).
 Jack Hylton's Orchestra, "When the White Elder-Tree Blooms Again."
 6.41: Tacet.
 6.45: Salon Orchestra, "My Blue Heaven" (Whiting).
 Hilo Hawaiian Orchestra, "Sleepy Honolulu Town" (Earl).
 Jack Hylton's Orchestra, "I Kiss Your Hand, Madame" (Erwin).
 6.50: Tacet.
 7.0: News session.
 8.0: Relay of vaudeville programme from 3YA, Christchurch.
 10.0: Dance session:
 Foxtrots—Victor Arden-Phil Ohman and their Orchestra, "How Am I to Know?" (Parker-King).
 New Mayfair Dance Orchestra, "Mickey House" (Carlton).
 Waring's Pennsylvanians, "Alma Mammy."
 Jack Hylton's Orchestra, "House on the Hilltop" (Mayer).
 Leo Reisman's Orchestra, "At Close of Day."
 10.15: Vocal—Mildred Hunt, "Sleepy Valley" (Sterling-Hanley).
 Foxtrots—Bernie Cummins and His Hotel Orchestra, "When a Woman Loves a Man" (Rose-Rainger).
 Nat Shilkret's Orchestra, "Georgia Pines" (Trent-de Rose).
 Waltz—Irving Aaronson and His Commanders, "The Land of Going-to-Be" (Goetz-Kollo).
 10.27: Foxtrots—Arcadians Dance Orchestra, "If I Had My Way."
 Ted Weem's Orchestra, "Miss Wonderful" (Bryan-Ward).
 The Rhythmic Eight, "Welcome Home" (Clarke-Akst).
 Vocal—Mildred Hunt, "S'posin'" (Kazaf-Denniker).
 10.39: Foxtrots—Leo Reisman's Orchestra, "Charming" (Grey-Stothart).
 Henry Busse's Orchestra, "I Came to You."
 Waltz—Leo Reisman's Orchestra, "Shepherd's Serenade."
 Foxtrots—New Mayfair Dance Orchestra, "The Doll's House."
 Leo Reisman's Orchestra, "A Year from To-day."
 Jack Hylton's Orchestra, "Dreamy Honolulu."
 Bernie Cummins and His Hotel Orchestra, "Cooking Breakfast for the One I Love" (Rose-Tobias).
 11.0: God save the King.

Sunday, October 26

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, OCTOBER 26.

- 3.0: Afternoon session—Selected studio items, including literary selection by the Announcer.
 6.0: Children's session conducted by "Uncle Bert."
 6.55: Relay of Evening Service from the Baptist Tabernacle. Preacher, Rev. Joseph Kemp; Organist and Choirmaster, Mr. A. E. Wilson).
 8.30 (approx.): Relay of Band Concert from the Auckland Town Hall, under the conductorship of Mr. H. McLennan.
 9.30 (approx.): God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, OCTOBER 26.

- 3.0: Afternoon session of selected gramophone records.
 6.0: Children's Song Service conducted by "Uncle George."
 7.0: Relay of the Evening Service from St. Paul's Pro-Cathedral. Preacher, Canon Percival James; Organist and Choirmaster, Mr. Robert Parker.
 8.15 (approx.): Studio concert by the Port Nicholson Silver Band (Conductor, Mr. J. J. Drew) and 2YA artists.
 Hymn—Band, "Gentle Shepherd" (Mullinger).
 March—Band, "Half and Half" (Morrison).
 Soprano—Miss Isobel Cooper, "O'er the Dreary Steppe" (Gretchaninoff).
 Organ—Edwin Lemare, "Traumerel" (Schumann).
 Tenor—Mr. G. Austin Blackie, "Who Is Sylvia?" (Schubert).
 Band—"Ruy Blas" Overture (Mendelssohn).
 Mezzo-contralto—Mrs. Margaret Mitchell, "The Hawk" (Coningsby Clarke).
 Berlin State Opera Orchestra, "Capriccio Italien, Op. 45" (Tschai-kowsky).
 Weather report and station notices.
 Soprano—Miss Isobel Cooper, (a) "Oh, Could I But Express in Song" (Malashkin), (b) "Pleading" (Elgar).
 Selection—Band, "Tannhauser" (arr. Round).
 Tenor—Mr. G. Austin Blackie, "Evening" (Landon Ronald).
 Instrumental—Budapest String Quartet, "Quartet in B Major—First Movement, Allegro Vivace" (Mozart).
 Suite—Band, "Indian Love Lyrics" (Woodforde-Finden).
 Mezzo-contralto—Mrs. Margaret Mitchell, (a) "The Blue River" (Coningsby Clarke); (b) "I Will Await Thee" (Coningsby Clarke).
 March—Band, "Joyce's 71st" (Meyer).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, OCTOBER 26.

- 3.0: Lecture on relay from the Civic Theatre—Judge Samuel W. Greene (C.S.B.), of Second Church of Christ Scientist (Chicago, Ill., U.S.A.).
 4.0: Musical recordings from studio.
 5.30: Children's Song Service by Children of Methodist Sunday Schools.
 6.15: Chimes from studio.
 6.30: Musical recordings from studio.
 7.0: Relay of Evening Service from St. Andrew's Presbyterian Church. Preacher, Rev. J. Lawson Robinson; Organist, Mr. R. E. Lake; Choirmaster, Mr. J. Maclean.
 8.15 (approx.): Royal Philharmonic Orchestra, "Rienzi Overture" (Wagner).
 8.31: Baritone—Mr. Sydney Armstrong, (a) "Pilgrimage" (Meale), (b) "Elegie" (Massenet).
 8.35: Cello and harp accompaniment—Mr. Harold Beck (harp accompaniment by Mr. H. Glaysher), "Siciliana" (Mascagni).
 8.43: Soprano—Mrs. J. A. Edwards, "Villanelle" (Del Acqua).
 8.47: Instrumental—Broadcasting Trio, "Rondo from Trio in B Flat" (Schubert).
 8.58: Negro Spiritual—Fisk Jubilee Singers, "Little David" (traditional).
 9.1: Weather forecast and station notices.
 9.3: Cello with harp accompaniment—Mr. Harold Beck (harp accompaniment by H. Glaysher), "Hamadil" (Bantock).
 9.9: Baritone—Mr. Sydney Armstrong, (a) "Two Eyes of Grey" (McGeoch), (b) "To-morrow" (Keel).
 9.15: Harp—Mr. H. Glaysher, (a) "Va Pensiero," from "Nabuco Chorus" (Verdi), (b) "The Blackbird" (Welsh melody) (traditional).
 9.22: Soprano—Mrs. J. A. Edwards, (a) "Grief and the Rain" (words by Mary Colborne-Veel), (Arthur Lilly), (b) "Come Forth, My Love" (Coverly).
 9.27: Instrumental—Broadcasting Trio, (a) "Abenlled" (Schumann), (b) "Autumn and Winter" (Glazounoff).
 9.33: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, OCTOBER 26.

- 3.0: Chimes. Selected gramophone items.
 5.30: Children's Song Service, conducted by "Big Brother Bill."
 6.15: Close down.
 6.30: Relay of evening church service from Trinity Methodist Church. Preacher, Rev. H. E. Bellhouse; Choirmaster, Mr. Jas. Simpson.
 7.50: Orchestra—New Queen's Hall Orchestra, "Petite Suite de Concert" (Coleridge-Taylor).
 Soprano—Amelita Galli-Curci, "Lo, Here the Gentle Lark" (Bishop), "Chanson Solvejg" (Grieg).
 8.15: Relay from 3YA, Christchurch.
 9.30: God save the King.

Australian Programmes

Times Corrected for New Zealand.

Thursday, October 16.

STATION 2FC.—10.0 p.m.: Relay of a concert programme from the Anzac Rifle Range, Liverpool. Assisting artists: The Harmony Four, vocalists; Vera Wareham, violinist; Molly Dougherty, entertainer, and Don Ross, novelty instrumentalist.

2BL.—10.0 p.m.: Community singing from the Ashfield Town Hall, with items by the Ashfield District Band and assisting artists.

3LO.—10.0 p.m.: "Tunit and Hearem" will entertain. 10.30 p.m. and at intervals throughout the evening: Dance numbers by the A.B.C. Novelty Orchestra.

3AR.—10.15 p.m.: A special recital of chamber music by the Elsie Steele String Quartet and assisting artists.

Friday, October 17.

STATION 2FC.—10.0 p.m.: Relay 3LO.

2BL.—10.0 p.m.: A Scottish half-hour. The A.B.C. Orchestra present "Songs of Scotland." 10.30 p.m.: An English half-hour. 10.37 p.m.: The A.B.C. Orchestra. 10.45 p.m. and 12.0 p.m.: Alf Lawrence and Neil Crane, entertainers. 11 p.m.: "The Constant Lover."

3LO.—10.0 p.m.: From the Midget Theatre, "Tangerine," a musical comedy. **3AR.**—10.15 p.m.: Community singing transmitted from the Town Hall, Ballarat.

Saturday, October 18.

STATION 2FC.—10.0 p.m.: Relay from 3LO, Melbourne, of an orchestral concert by the Melbourne Symphony Orchestra.

2BL.—10.0 p.m.: Items from the studio; and at 10.30 p.m.: Description of boxing contest from the Sydney Stadium.

3LO.—10.0 p.m.: Orchestral concert by the Melbourne Symphony Orchestra. A "Wagner" programme: Orchestra—Overture to "Die Feen." Overture to "The Flying Dutchman." Trauer Marsch from "Götterdämmerung." Prelude to Act III, "Dance of the Apprentices," from "The Meistersingers." Introduction to Act III of "Tannhäuser." Introduction to Act III of "Lohengrin." Arias: "Prelude" and "Liebestod" from "Tristan and Isolde." "Elizabeth's Greeting to the Hall of Song," from "Tannhäuser."

3AR.—10.0 p.m.: "Gilbertiana." 10.30 p.m.: A.B.C. String Quartet. 10.53 p.m. and 11.30 p.m.: Studio orchestra. 11.0 p.m.: "Tunit and Hearem" will entertain. 11.20 p.m.: "The Decree Made Absolute," specially written for broadcasting. 12.0 p.m.: "The Supreme Lover," a musical sketch.

Sunday, October 19.

STATION 3LO.—10.0 p.m.: Transmission from The Plaza, St. Kilda, of a concert by Gustave Slappofski and the Victorian Professional Orchestra. 11.0 p.m.: Seventh episode in the story of the Fisk Jubilee Singers. 11.20 p.m.: Continuation of concert.

3AR.—9.0 p.m.: Divine Service from St. Paul's Cathedral, Melbourne. 10.30 p.m.: Relay of programme from 2FC, Sydney.

Monday, October 20.

STATION 3LO.—10.0 p.m.: Trafalgar Day commemoration programme. Studio orchestra present selection of "British Sea Songs." 10.15 p.m.: "The Story of Trafalgar." 11.20 p.m.: Short vocal recital by Eda Bennie, soprano, assisted by the A.B.C. String Quartet. 12.0 p.m.: The Favourite Five in "Quinologues." **3AR.**—10.0 p.m.: Relay from 2FC, Sydney, of "Little Jessie James," a musical comedy.

Tuesday, October 21.

STATION 3LO.—10.0 p.m.: A.B.C. orchestral concert, with Gustave Slappofski and the Victorian Professional Orchestra.

3AR.—10.0 p.m.: Transmission of a vaudeville programme from the Tivoli Theatre. 11.15 p.m.: From the studio, programme of popular classics, ballads, and dance music.

Wednesday, October 22.

STATION 3LO.—10.0 p.m.: The Melbourne Repertory Company present "Caesar and Cleopatra," an amusing and dramatic five-act historical play by Bernard Shaw.

3AR.—10.0 p.m.: Transmission from the Victorian Hall, Melbourne, of a variety concert.

Il Trovatore

Our Mailbag

(Concluded from page 3.)

to Our Mountains." These fall near the end of the opera, when Manrico, doomed to die, spends a restless night on the prison floor in an endeavour to sleep. The prison bell is heard tolling and priests chant for the soul of the condemned. In the later air, mother and son sing this beautiful duet, reminiscent of the mountains where she has brought up as a son the boy she loved.

With a carefully selected company,

Listeners' League Attitude.

THE Executive of the New Zealand Radio Listeners' League has requested me to communicate with you in reference to comments made in the "Radio Record" of September 19 and also October 3, referring to advertising rights for B class stations. We

and the marked ability of Signor Cesaroni, a presentation of excerpts from this opera should be an outstanding success, as was the same company in "Faust" a short time back.

wish to make it quite clear that the question of advertising has not yet been considered by the league, and no pronouncement with regard to advertising can be made until such time as the position has been considered by the conference of New Zealand listeners. What the league stands for is better service from both the A and B stations and full protection for listeners for the license fees they pay.—H. Booth, organiser and secretary, N.Z. Radio Listeners' League.

Each to His Own Taste.

MANY listeners-in are making requests to the Broadcasting Company to provide a whole week of jazz and other light items. The idea is sound; in fact, many listeners will be of the opinion that the items to be so broadcast will be all sound. Undoubtedly there is everything to be said for bowing to the wishes of the majority of listeners in these matters. The majority of listeners, I feel sure, would heartily appreciate also a week of funeral marches and one of hymn tunes, preferably the hymns associated with the Lenten season. There are probably many listeners who would like a week of bagpipe selections. When the company puts on the bagpipe programme I shall arrange my annual leave, but thousands of others will stay at home to listen, they being in the majority, and naturally should have their own way. Majority rule forever.—Cheerful Kenny (Northland).

LAST year the National Broadcasting Company of America installed 14 new stations and laid between them 40,000 miles of landline.

FOR SALE OR EXCHANGE

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

GREY? Burgoyne's Hair Dye in light, mid., dark Brown and Black. Guaranteed harmless. 4/6 posted. Lamb, chemist, Karangahape Road, Auckland.

URGENT DISPOSAL: "Round-the-World Three," partly assembled, 40-volt Wet B., 6V. 100A. Accumulator (as new), Farrand Speaker, etc. Best offers. Phone 20-571 or C/o "Radio Record."

BUST reduced from 42 inches to 36 inches with Youth-o-Form Capsules. 6/6 posted. A. C. Timms, chemist, Pahiatua.

MAIL ORDERS. Entrust your medicinal and toilet requirements to A. S. Lamb, chemist, Karangahape Road, Auckland. Established over 30 years.

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

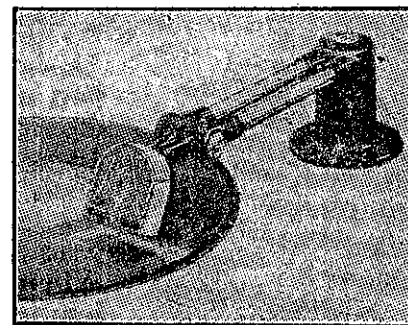
OBESITY! Successful results of Youth-o-Form are more than 90 per cent. 6/6 posted. A. C. Timms, chemist, Pahiatua.

EVERY Radio enthusiast should have **JOHNS, LTD.'s** wonderful Radio Catalogue. Everything for Radio. Post free. Johns, Ltd., Chancery Street, Auckland.

OBESITY! 20lb. reduction secured in six weeks without dieting if you take Youth-o-Form Capsules, 6/6 posted. A. C. Timms, chemist, Pahiatua.

9D. 4½-volt Torch Batteries, Round Units 8d., 9-volt C. 3/-, No. 6 1/11 posted. Royds-Howard Co., Christchurch.

**WHEN NOTHING LESS THAN THE BEST
IN PICK-UPS
IS REQUIRED
AUDAK
IS ALWAYS
SPECIFIED**



Years of work, research and experiments are embodied in the supremely sensitive and reliable "AUDAK"—which has achieved the distinction of being to-day—

THE STANDARD BY WHICH OTHERS ARE JUDGED.

All we ask is—A COMPARISON!

N.Z. Distributors for Audak Pickups,

BOND & BOND LTD.

6-8 COMMERCE STREET, AUCKLAND.

Addresses and Addresses Wanted.

J.C. (N.P.): Address of W6AKQ is c/o A. R. Brearley, 1450 Genesee Street, Hollywood, California.

"Curious" (Otago): Address of VK4-LW is c/o C. R. Morris, 20 Elizabeth Street, Rosalie. Probably testing when you heard him—thus accounting for irregular hours of transmission.

"Proton" (Gisborne): Address of WLW is Crossley Radio Corp., Cincinnati, Ohio.

R.E.K. (Westland): Address of KGA is Northwest Broadcasting System, Inc., Spokane, Washington.

Kaukoki (Murchison): See D.X. Topics.

J.C. (N.P.): Address of VK2JF is J. D. Fraser, North Street, Quirindi, New South Wales. I hold a card from this station, having picked it up on 3rd. ult.—O.J.D. (Ohakune Junction).

K.A.D. (Havelock North): JOHK, Sendai, Japan.

Identification Wanted.

STATION operating one degree above KGO. I caught the words "Los Angeles, California".—(Christchurch).

Sunday, October 5, 10.30 p.m. A station operating on 1400 k.c. (214 metres), broadcasting orchestral music.—J.A.L. (Wellington).

Station operating on about 1500 k.c. (200 metres). Call sounded like VK (? 3UR), Newmarket.—B.W. (Stratford).

What stations operate between 175 to 200 metres? I have received five unidentified stations, their dial numbers being 5, 11, 15, 17, and 20 (2UE, Sydney, on 29, and 3ZC, Christchurch, on 34).—P.K.B. (Oamaru).

October 1 and 2, at approximately 10.30 p.m., station on 203 metres (1480 k.c.). Neither music nor speech was clear.—"Newcomer" (Te Awamutu).

Could anyone give me times and frequencies of 2ZP, 1ZH, and 2XN?—W.J.S. (Waiau).

At 11.30 p.m. on October 4 station

THE D.X. CLUB

Views and News.

broadcasting records on 2ZF, Palmerston's, frequency. Strength R7 on speaker, slight fade, static bad. About 11.40 p.m. this announcement was heard: "Station—, K.B. Mr. — will now address you. Time 6.15." After a few minutes an address on an impending election was given. Both announcer and speaker had a decided accent. Also on the same night at 12.35 a.m. an American broadcasting "phonograph recordings" on 255 metres (1176 k.c.), strength R7, fading and static bad. On September 8 at 7 p.m. an American three degrees below 4QG. One item heard, "An Revoir." Call commenced with W.—Jaka (Hataitai).

On October 6 at approximately 11 p.m. station on 243 metres (1230 k.c.). Items heard: "Jeannine, I Dream of Lilac Time" (soprano), and "Picador" fox-trot. 4ZL, Dunedin, obliterated the stranger at times. Signals R6. At approximately 9.45 p.m. to 10 p.m., another heard operating on 258 metres (1160 k.c.). Items heard: (a) "Dreaming of You" (South Sea Islanders), (b) orchestral selection, (c) "When you come to the End of the Day" (baritone). Signals R6, and was heard on the 7th.—Bob (Wellington).

Station 10 degrees below 2BI, heard on October 6 at 10.45 p.m. Item was played by four saxophonists, who were announced as being members of a Sydney orchestra, at 11 p.m., "Give Yourself a Pat on the Back" was Broadcast. Slight fading and static.—"Crystal-One Valve" (Auckland).

About 1 p.m. on October 5 I heard three new stations. (1) Dials 18, 20, 26

(2YB 20, 18, 22), on various musical items. At 1.15 a.m., time was announced as 9.33 p.m. (2) Dials 18, 19, 23, also on music. What sounded like "Dunbar" was repeated after each call. (3) Dials 15, 17, 23 (2ZI 14, 14, 18), playing "Tip-toe Thru the Tulips," at about 1 a.m.—"Clematis" (Raurimu).

Station heard at 11.10 p.m. on October 8 on 640 kc. (468 metres). A talk

Verification from RV15

MR. C. M. Walker (Wellington) has received an identification card from RA97 (now RV15), Khabarovsk of the Far East, United States of the Soviet Republic. Gleaned from this card are the facts that the station is crystal-controlled, transmits on 70.2 metres every day from 11.10 p.m. to 3.40 a.m., N.Z. time. During the winter the transmissions commence earlier. Information is given in English. A note on the card reads: "On Sunday, 1.35 p.m., listen for 'The Red Banner.'"

was in progress, evidently dealing with the tone range of a radio speaker. At frequent intervals the lecturer gave examples of various instruments, and also of different pitches of the human voice. Static was bad, although the signals were strong. The lecture finished at 11.20 p.m. At 11.22 p.m. a band recording was broadcast, the first side being "Colonel Bogey March"—the other I did not recognise. At 11.30 p.m. the station went off the air, apparently giving no closing announcement. I think this must be the station "Switch" inquires about in issue dated October 3.—W. Hutchison (Gisborne).

On September 29, 1.20 a.m., station near 2YB, call-sign sounded like VKRESO, an experimental station. Items heard: "Oh, Mildura," "Singing in the Bath Tub," and "Give Yourself a Pat on the Back."—Ridley (Pakaraka).

Station heard on October 7 at about 7.45 p.m. on 10 degrees (4ZL 17, 2ZH 16). He was calling "Halloa, Nora," and said he would not call at 10 a.m. tomorrow, as there was a holiday in Sydney. He gave his call 2ME, Sydney. It could possibly be a harmonic of this station. What is the call of the Wairoa station. Is the station two degrees below 3LO, JOCK? I recently heard a call 5AD, Adelaide. Is this a new station?—"Kaukoki" (Murchison).

Station on 200 metres (1500 k.c.) heard between 10 and 11 p.m. on October 4. I think it was a New Zealand amateur. Station heard behind 2FC at about 9 p.m. playing records. Also an American behind 2ZM, Gisborne, 1150 k.c. (261 metres), heard about 7.30 p.m. on September 28. Also an American, 1210 k.c. (248 metres), 1 degree below 3ZC, playing records on October 2. I picked up a New Zealand amateur on September 22 on 2KY's wavelength. All I heard was "Station — broadcasting from the — Gramophone Parlours." Also an American on about 620 k.c. (483 metres) playing records. Heard at about 7.30 p.m. on October 3.—H.E.M. (Dunedin).

Stations Identified.

"JAKA" (Wellington): Station 2UW, Sydney, testing.—H.E.M. (Dunedin).

"B.H.B." (Masterton): WBBM, Chicago. J.T.S. (Napier): VK4LM, Rosa-

lie, Queensland. Station heterodyning 720, is KRG, Shanghai. "J.L.D." (Clyde): American on 4YA is KFI, Los Angeles. "Keijo" (Invercargill): Station on 3YA is Chinese. "Norman C." (Queenstown): Station on 1200 k.c. (250 metres) is KEX, Portland, Oregon. Very often broadcasting request items. 3DH Melbourne heterodynes with him. "G. Cooper" (Timaru): 2XN, Lismore, and 5AD, Adelaide. "B.W." (Stratford): 5DN, Parkside, Adelaide, and KEX, Portland, Oregon. "Radio Boy" (Oamaru): VK3EF, Ellwood. Other items heard were "Lucky in Love" and the "Stein Song." Station was still on the air at 3.15 a.m.—J.P.C. (P.N.).

"R.E.K." (Westland): Probably KR-LG, Dallas, Texas (1047 k.c.). I heard him at midnight on September 28, giving a scriptural talk. According to the "Guide" he is a daytime station.—"Proton" (Gisborne).

"J.V.M." "E.J.W." and "Metre": L.S.H., Buenos Aires. I see "Cross Creek" identified it as 4SH. "A.D. Rogers" appears to have heard the same station. I logged W8XK relaying KD-KA on Sunday afternoon, October 5.—F.B.P. (Gisborne).

The station "Switch" heard on September 25 was undoubtedly 1ZH, Hamilton, on approximately 472 metres (637 k.c.). I picked him up at 9.5 p.m. relaying a concert. It was fading badly at times.—W.E.D. (Picton).

"J.C." (N.P.): Station broadcasting WABC is W2XE, Richmond Hill, N.P., on 49.02 metres. W2XAF, Schenectady, is the station with WGY programme. Station on 32 metres is WND, New York; usually tests duplex telephony with GBW and GBF, in conjunction with WOO on 44 metres.—J.V.M. (Wellington).

E.T.D (Wellington): Missionaries, broken English, etc., from 2UW Sydney. I held them till they closed down. J.T.S. (Napier): Station on 1480 kc. will probably be 3LO's harmonic. I receive this on 3½ (dial 0-100). "Keijo" (Invercargill): VK3HB Brighton, and VK2UR Uralla or Bodallah (opinions vary over this locality). [C. J. Henry, Bridge Street, Walla, N.S.W.—Ed.].—B.W. (Stratford).

[You will find very little, excepting amateur transmission, on the air below 200 metres (1500 kc.). Consequently your set is not graduated below that.—Ed.]

DX Topics.

REGARDING the Japanese stations: I have heard five of these relaying the same concert on several occasions. I recently heard three Chinese stations; 1st, half a deg. below 2UE; a second, one deg. above 3YA; and a third, a deg. above 2YA. Also the Manila station near 3AR.—W.E.D. (Picton).

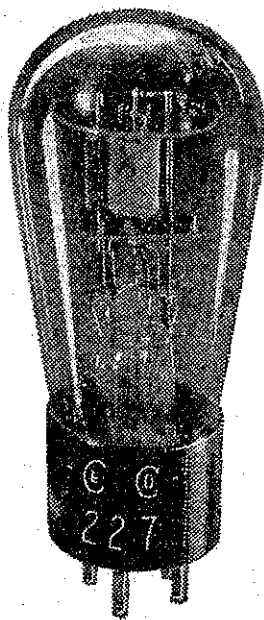
New station giving the call 4BK, Brisbane, was heard on October 5 between 8.30 and 9.30 p.m. It may be found between 3BA and 2XN on approximately 1400 k.c. (214 metres), sisting of hymn tunes. Strength above R3.—H. D. Hunt (Nelson).

I recently received a batch of American verifications for the DX Cup. The following is an extract from a letter from KMOX.—S. Ellis (Okato). "We expect to be on the air with the new transmitter within the next thirty days, and in the meantime they will be used at various times for broadcasting our regular programmes. As you probably realise, any report that you can make on our future tests will be of considerable help to us. If you experience any difficulty with fading, and care to write us again, we would appreciate your giving us information as to your local weather conditions both before, during and after the period of reception. Yours etc., W. H. West (chief engineer)."

Verifications Aboard the Tahiti.

THE following is an extract from a letter recently received from K4LD, Texas:—"One item that might be of interest to you is the fact that your letter was about the s.s. Tahiti, lost at sea

Listen to the Difference



YOUR radio receiver is dependent on the valves you use for correct reproduction of broadcast programs. A good set deserves good valves—and they are the least expensive part of your radio enjoyment. When valves are such an important item you cannot afford to take a chance on inferior brands. Try a complete set of CeCo Valves and listen to the difference in clarity and tone quality. CeCo Valves have longer life.

CeCo
RADIO VALVES

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

Lifetime Service

Design of Modern Receivers

THE life of a radio receiving set has never been determined definitely, though many unfounded conjectures have been made by persons not thoroughly familiar with its construction. Such predictions as were made varied anywhere from two to five years, none of them correct when considering a

The problem of deterioration by moisture entering the radio receiver is of major importance in figuring the life of the apparatus. Of major importance also is the "factor of safety" provided in the electrical insulation and dielectrics employed in the chassis and the loudspeaker.

TUESDAY, OCTOBER 21 is

Cratagar Day

and there will be a

Commemorative Programme from 1YA

The items include

The Revenge J. M. Clark
Admirals All The Octet
Hearts of Oak Frank Sutherland
The Signal A descriptive sketch

well-designed and efficiently-constructed receiving outfit.

The modern receiver is subject to mechanical wear at only three points, which are: the bearings in the variable condensers; the volume control unit and the "on" and "off" switch. While the parts that are subject to mechanical wear are usually designed to be easily replaceable in regular servicing operations, each unit is selected by the aid of "breakdown" tests to give a lifetime of service. These tests operate the moving parts of the apparatus hundreds of thousands of times, which reduced to years of operation represent a lifetime of uninterrupted service.

Another item of importance in figuring the life of a receiver is the ability of the various resistances to withstand adverse climatic conditions. It has been found by field tests that wire wound resistances, for example, must have a conductor size adequate to withstand the mechanical strains of continued heating and cooling, as well as a vitreous enamelled covering over the wire to seal against corrosion and other damaging effects of moisture.

The wiring of the receiver merits

particular consideration with regard to soldering, as long, efficient life of the receiver depends on the materials used in this operation.

While quick and secure soldering can be done by an inexperienced worker, when acids or soldering pastes and solutions are used, it was early found in telephone apparatus construction that these kinds of soldering fluxes were the result of later troubles. Some of these fluxes are conductors for electricity and through creepage along the apparatus terminals or wires cause "cross-talk" or defects in operation. In other cases, the paste collected conducting dust which in time caused electrical trouble. Resin flux is probably the best to use.

It is unreasonable to expect a radio receiver to operate efficiently throughout a lifetime without receiving a reasonable amount of attention, any more than one would expect an automobile to run indefinitely without adequate service. Valves are among the most important considerations in this respect. Their occasional replacement should be practised if the maximum efficiency is desired at all times. Even one slightly defective valve will have a detrimental effect upon the operation of the set as a whole.

Silencing Critics

IF listeners would like to hear some amusing "straight talk" from a station director from his own station he should try to catch Mr. J. Robinson, director of 4QG, Brisbane, answering correspondents from his studio. The other night he silenced a critic who had written in complaining of too much jazz. The actual proportion of dance music to other music from 4QG, quoted by Mr. Robinson, must have silenced the correspondent completely.

Trickle Chargers ! ! !

We have landed limited supplies of "BALKITE" Trickle Chargers, suitable for charging 4-volt or 6-volt Batteries at .65 to .5 amperes.

These were formerly £3/10/- each

Special Price, 32/6 each, Post Free

Thos. Ballinger & Co. Ltd.,

58-62 VICTORIA STREET, WELLINGTON.

"Where the Quality Goods are Sold"

about September 1. The passengers and a part of the mail were recovered, your letter being among those saved, although it was stained and discoloured from contact with the sea water. KRLD received five letters from your country this week, two of them asking for confirmation (yours being one) on the programme of August 9, and were aboard this ship. A feature story appears in this Sunday's "Time Herald" about your letter on the radio page, with a copy of the letter.—H.F.A. (Masterston).

A Special N.Z. Broadcast.

I RECEIVED verification by the last mail from several Americans, KSL, Salt Lake City, Utah, states that: "In the near future we hope to put on an organ recital from the famous Tabernacle Organ especially for you good people who live at this remote point. The broadcast will go on, we expect, at about 10 o'clock in the morning, our time, which should be around 7 or 8 o'clock your time." KSL also states: "We are especially happy in hearing from our friends way down at the bottom of the earth." I have given this extract in the hope that our DXers will be able to pick up the broadcast, and report to KSL on transmission. KSL comes through well here on a five-valve battery set when atmospheric conditions are favourable. It comes in about 2 metres below KMOX.—K.D.B. (Taumarunui).

A Curious Coincidence.

DID any other listener notice the remarkable coincidence on September 30, at 9.45 p.m., when 2ZL, 3ZC, and 4ZP were all rendering "The Stein Song" at the same time? I tuned in W6XN, California (46 metres) later on in the evening just as he started the same item! Also, did anyone listen to the conversation between 2MD and 5SW less than two hours before the anticipated relay of the Premiers' Conference on Wednesday, 1st, and learn that 5SW had heard nothing about any proposed relay when questioned by Sydney in reference to the telegram received from New Zealand? Did the proposed relay originate with Schenectady? Conditions were perfect, although Zeesen was certainly weaker than usual later on. America is to give us a 24-hour continuous programme on the short waves on Sunday, October 12, by our time. This information also came from Schenectady.—G. Fraser (Ohura).

THE following is a summary of 2ZR's verification card: Hours of transmission, M. and F., 1-3.30 p.m.; T., Thur. and S., 10 a.m.-1 p.m.; W., 1-5 p.m.; children's hour, 6-7 p.m.; news, etc., 7-8 p.m.; music, 8-11 p.m. 500 metres (600 k.c.); power, 150 watts; M.O. system; TP-TG 3 stage RF amp. push-pull throughout; Xformer and rectifier, 2000 d.c. 2ZR, Radio Specialties, Ltd., 205 Victoria Avenue, Wanganui.—"Moi Whare" (Feilding).

I HAVE just received a card from KROW which is operated by Educational B. Corp. on 930 k.c. Address: 1520, 8th Avenue, Oakland, California. Their slogan is "KROWing to keep the East Bay smiling."—J.R.W. (Waipawa).

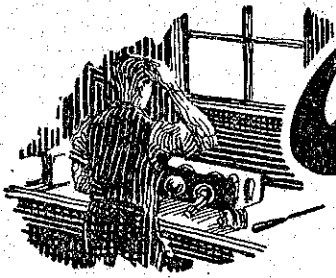
THE station operating on 31 metres (about) on September 15 (afternoon) was an Austrian station, most likely VORZ. Another local listener heard this station also. I recently received a card from VK3ME, the experimental station at Melbourne. They say that it is the second largest short-wave

station in the Southern Hemisphere. The power is 5 k.w. Address: Amalgamated Wireless (A'sia), Ltd., 167 Queen Street, Melbourne.—J.C. (N.P.).

[There is no station VK2FI operating in Australia to our knowledge.—Ed.]

ON September 23 I heard KFKB, Milford, on several numbers at fair strength. At 12.30 a.m. I heard 6WE, Perth, for the first time. On September 30, at 7 a.m., I logged KROW. I take it that this is a privately-owned station, as he said he had received approximately 6000 letters in one day. Following this up with: "Isn't that a lot of letters for one man to get in one day?" and requested listeners to consult him about business, etc. Can anyone tell me the address of WLW? I heard WLW on October 1 at 5 p.m. on several numbers at good strength. —"Proton" (Gisborne).

ELECTRIC RADIOS
METRODYNE EMERSON EARL
ROYDS-HOWARD CO.
 553 COLOMBO ST. OPP. NIVENS



Questions and Answers



COIL (Northland): I wish to build a battery charger such as that described in the 1930 "Guide," but do not want the "B" side. What alterations are necessary?

A.: You will find full particulars of an "A" charger in the 1929 "Guide."

2. How much current will an English dynamic speaker draw from an "A" battery?

A.: Unless you give the name of the speaker it is impossible to say how much current it will take. Probably it will be in the region of three-quarters of an amp.

3. Where can I have a home-built transformer tested?

A.: Almost every dealer has an a.c. meter which he would put on your transformer.

4. Will the Loftin-White transformer

supply sufficient current for an extra 224 valve?—Yes.

5. Will I have to put on an extra filament winding?—No.

U. X. (Te Kuiti): How many turns are required for transformers using a .00035 condenser, any gauge wire and any sized former?

A.: Secondary 84 turns of 24 d.s.c. wire, on a 2in. former. The primary 25 turns slot wound.

2. On my present set I had 70 turns of 24 d.s.c. wire and the inductance was too high, for I could not tune below 3UZ, and I wish to tune 1ZD on 150.

A.: The ordinary broadcast does not go down to 150, so we advise you to make another coil with 30 or 40 turns. A 65-turn coil would be normal for the broadcast band.

3. Can you tell me if the usual screen-grid connections act as well as the space-charge connections?

A.: Use the ordinary screen grid, preferably transformer coupled.

M. (NAPIER): Would a pile of stampings 1½in. wide and ¼in. thick be satisfactory for the Loftin-White following the 1½in. specification?

A.: Your best plan would be to build the stamping up to full thickness, 1½in., and redesign the winding in accordance to numbers of turns given on page 55 of the 1929 "Guide" and in the 1930 "Guide." If you cannot manage this yourself we could do it for you.

2. Will Pilot No. 377 choke be suitable for the transformer?—Yes.

3. Details have been published of the L.W. with r.f. stages. When are you coming to light with your description?

A.: It is on the plan we have for future construction items. When the d.c. eliminator is finished we will, in all probability, commence a series of receivers, working from a one-valve upward, following this a two-stage Browning-Drake, and then the L.W. tuner. However, the bare circuit will be published before then.

C.J.M. (Bombay): What is the maximum output in watts when using the 250 valve?

A.: We have not seen this stated definitely, but it must be in the region of 6 watts.

2. How much louder would signals be using a 250 valve with the 245?

A.: A 250 can handle a greater output without distortion. It does not step-up the signals greater than does 245. If anything, it is less.

3. Will you explain how to connect the amplifier to the detector valve of the set?

A.: The L.W. takes the place of the ordinary amplifier and is used after the first audio transformer.

4. What type output transformer would be suitable for either a magnetic or dynamic speaker?

A.: Most dynamic speakers are provided with a step-down transformer, so you should use a 1-1 or a tapped secondary would be better, and use this in conjunction with the 25-1 in the case of the dynamic speaker.

F.A.A. (Hammer Springs): I enclose a plan of a receiver. What are your comments on it?

A.: The receiver is evidently a very old one, and you will find a much better described in the "R.R." as the "Shielded Five Neutrodyne." Your diagram makes no provision for grid bias which is essential if quality is desired. Furthermore, this circuit as it stands would ruin a power valve. The best valve would be 221 type in the radio and first audio sockets a special detector and a power valve of the 112 type. This combination cannot be used without bias.

2. How far should I be able to reach?

A.: That depends upon your locality. If it is not very poor you should get the Australian stations quite well.

3. Could a screen grid valve be added?

A.: Yes. It could take the place of either the first or the second valve, but would need to be shielded.

4. What wire is required for resistances with the d.c. eliminator?

A.: See this week's instalment.

P.K.B. (Oamaru): Can I add another valve to the Cossor Melody Maker?

A.: Yes, another audio stage was described recently.

2. How much will it cost?—About £2.

3. Can I change my set into an all-electric, and how much?

A.: It could be converted satisfactorily if you had the requisite knowledge. About £10 providing "A" transformer.

4. What stations operate below 200 metres?—Try the DX Club.

H.J.G. (Wellington): Why can I hear wireless with the earphones and the connections lying on the floor or in my hand? Forty years back when I was on a bush section in Taranaki I often used to hear music. Now I hear the same thing only more distinct.

A.: It is almost impossible to explain this phenomenon. You may have un-

RADIO DIRECTORY

What to Buy and Where

CITIES

ACE and HAMMARLUND SETS,	Johns, Ltd.
WESTINGHOUSE Rectifiers	Chancery Street, Auckland.
BROWNING DRAKE SPECIALISTS	F. J. W. Fear & Co.
	63 Willis Street, Wellington.
BURGESS RADIO BATTERIES,	All Radio Dealers.
KING RADIO RECEIVERS ...	F. J. W. Fear & Co.,
	63 Willis Street, Wellington.
LOFTIN-WHITE AMPLIFIERS	Stewart Hardware Ltd.,
	Courtenay Place, Wellington.
MAJESTIC RADIO RECEIVERS	Kirkcaldie & Stains,
	Wellington Agents, Lambton Quay.
MULLARD VALVES	All Radio Dealers.
PILOT 1930 PARTS—PILOT SUPER WASP KITS, GILFILLAN, KELLOGG and ATWATER KENT SETS	Harrington's, N.Z., Ltd.,
	138-140 Queen St., Auckland.
	40-42 Willis St., Wellington.
RADIOLA RECEIVERS and Expert Radiola Service.	Farmers' Trading Co., Ltd.,
	Hobson Street, Auckland.
STEINITE RADIO	G. G. Macquarrie, Ltd.,
	120 Willis St., Wellington.

COUNTRY TOWNS

MAJESTIC, ATWATER-KENT AND RADIOLA ELECTRIC SETS	Radio House, Hamilton.
	G. S. Anchor Manager.
PHILIPS VALVES AND APPARATUS	All Good Radio Dealers.

N.Z.'S OWN RADIO BOOKSHOP

The TE ARO BOOK DEPOT, Wellington.

JUST ARRIVED—Prices include postage:

"Radio Amateur Handbook" (Handy's) 6th edition, third printing June, 1930. 5/3
"Radio Amateur Call Book," June, 1930. 5/3
"Projection Engineering"—a monthly, 21/- per annum.

"Radio Manual," by Sterling and Kruse, latest edition, 26/-.

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

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

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

"Radio Operating—Qstns. and Ansrs.," by Nilson and Hornung, 14/-.

"Radio Receiving Tubes," by Moyer and Westrel, 14/-.

"Practical Radio Construction and Repairing," by Moyer and Westrel, 14/-.

"Electric Wiring," by Ibbotson, 10/-.

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

"Radio Physics Course," by Ghirardi, 13/-.

Also all leading English, American and Australian wireless magazines.

Mr. F. W. Sellens' list of Shortwave Broadcasting Stations, 7d.

Last year's "N.Z. Radio Listeners' Guide" still selling well, 2/9.

"N.Z. Radio Handbook Annual, 1930," 2/9.

Blue prints and complete instructions on following—1/9 each:—

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usually sensitive hearing, but why it should respond to the rapid vibration of a transmitting station is more than we can explain. Can you recognise the items when you have the phones on? As to why you should hear the music in the backblocks we can offer no solution. It wasn't on the air, so far as radio is concerned, at that time. Sounds travel in the air for a considerable distance, and with special instruments they can be interpreted, but to our knowledge it has not been done by the unaided ear.

J. W.F. (Dunedin): What are the number of turns the size of wire, formers, etc., for the 5-valve Browning Drake to be used with .000375 ganged condensers?

A.: Use 2in. formers, and wind for the secondaries about 80 turns of 24 gauge d.s.c. wire. Primaries will depend upon the valves used.

2. Would a rotating tickler be better than a condenser controlled one?

A.: A rotating tickler would be easier to incorporate, but a condenser controlled would give better results.

3. Would 180 volts damage a 609?

A.: Yes, reduce it to at the most 150, and if the valves are to be used in the radio position the voltage should be reduced to 90.

F. W. (Petone): Why can I receive 4YA and 3YA each Wednesday evening on a home-made crystal set of the variometer type, with a one-valve amplifier?

A.: It may be due to reradiation, but it has been proved fairly conclusively that long-distance reception with a crystal set is not an impossibility. Your variometer may be tuning too high to receive as low as 3YA.

A. S. (Wanganui): Can you supply a diagram showing how to place an amplifier on a crystal set, and what stations would I be liable to receive with it? Could I receive 2ZF in Wanganui on the set without the amplifier?

A.: Full descriptions of crystal set amplifiers have been described in the 1929 "Guide" in "All About the All-Electric," and several kinds in the "R.R." You would not be able to receive 2ZF on a crystal set and an amplifier in Wanganui.

TE Atutu (Henderson): Is 80 turns on a 2in. former with 24 gauge wire and .00035 condensers correct for the B.D.?—Yes.

2. What is the correct number of turns and what tap for the aerial coil?

A.: The same number of turns tapped at the 20th turn.

3. I am not clear on how a separate coil is used.

A.: When we refer to the aerial coil of the B.D., we really mean a tapped secondary coil of the same dimensions as the other secondary coils (if tuned with the same sized condenser), and tapped a short way from the low potential end. If a separate primary is used it may consist of 20 turns wound over the secondary or a variable swinging coil like a tickler suspended inside the secondary. In this latter case the selectivity could be varied at will, though it would at no time be as sensitive as the tapped secondary coil.

4. I cannot get on to high frequencies, although when I bring the aerial in to the neutralising condenser results from 3YA are wonderful.

A.: It seems as though your aerial coil is not of the proper dimension.

G. C. (D-N.E. Valley):—I am using a three-stage r.f. B.D., but the reaction condenser appears not to act, and sometimes I get a clicking noise.

A.: This appears to be a defective grid-leak.

3. I tried another .0008 by-pass condenser without result, so I cut out the .001 condensers, and now the reaction condenser works quite satisfactorily.

A.: The .001 was probably too large for your conditions. Try a smaller one.

4. I am using 615 for first audio.

A.: 609 would be better.

5. How can I hook up an anode bend detector?

A.: A diagram shows the idea. Take out the gridleak, short circuit the grid condenser, and connect the grid return to 3 volts negative C battery. Connect the + to A—, and apply 90 volts to the detector valve.

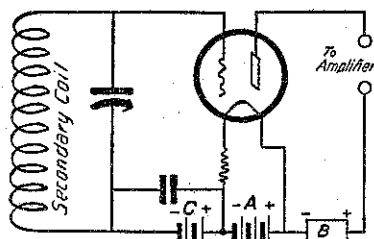
6. Has the tickler coil to be spaced?—No.

7. Is 11 turns correct for the 609 valve?—Yes.

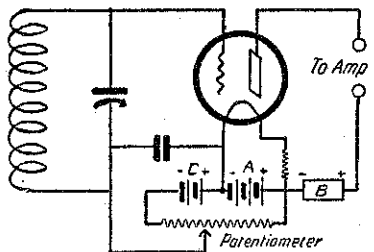
8. For the tickler will the wire wound on a former like the secondary coil be satisfactory?—Yes.

9. Where do you suggest the leakage is if not through the by-pass condenser?

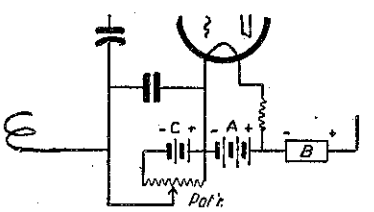
A.: There is no leakage, but blocking.



Bias Variable by Tappings



Potentiometer across A & C



Potentiometer across C Battery

You do not mention what C battery you are using, and what voltage beside 185. If this is on all valves, it is too much for easy control. No more than 90 should be used on radio and audio, and the detector if leaky grid, 45.

CAMERON (Canterbury): Wellington seems to distort on my three-valve set, and neither of the rheostats seems to have any effect on volume.

A.: Have the valves tested, increase the bias on the last valve to 9 volts, and have the transformer tested. We could have discussed your circuit had you sent a theoretical version, but it is impossible to do anything like this when a sketch plan is sent. It would take considerable time to unravel.

G. H.D. (Gisborne): Could you give particulars of a heterodyne wave-meter?

A.: See "Radio Amateur's Handbook," obtainable at least from Te Aro Book Depot, Wellington.

RESISTANCE (Christchurch): What are the numbers of turns for primary and secondary of r.f. coils to suit the valve base coils described for the P.C.J.4 a short time back?

A.: The secondaries are the same, and the primaries 60 and 120 respectively. The fact that you are using a .0001 condenser will slightly alter the tuning ranges.

I. G.A. (Wanganui): Reception on my set is not as good as it might be, for I pick up a noise and only a factory is near.

A.: This is probably coming from some of the apparatus in the factory. Remove your aerial and see if it persists. If it does communicate with the agent.

2. I find it difficult to bring in Auckland and Australian stations during the day.

A.: You are expecting too much—you may be in a bad locality for Auckland, and there are not many sets that can pick up the Australian stations in daylight.

W. G.R. (Ohakune): Which is the better set, "R. the W. 2" or "R. the W. 3"?

A.: "Three" is more sensitive, would cost another £2 or so to build, and would require more battery. The two-valve set was described in our issue of February 28, and the three-valve a week later.

R. W. (Bay of Islands):—What is wrong when a five-valve set pro-

duces no sound, when all the valves are used? All the best stations can be had on the loudspeaker from the four-valve set.

A.: Probably the power valve has been burnt out or has lost its emission. Try another valve in the socket. The inter-valve transformer may be gone. Shift the last valve out and try it in the second last socket, and if the set will not go it is the last valve for certain.

RADOX (Blenheim):—I have a six-valve set, but cannot get the Japanese at speaker strength. What stations could I expect to get?

A.: Your situation may be bad for the Japanese, and it is impossible to say if your receiver is at fault from the very meagre particulars given. Your aerial and earth should be in order, and the former should be 40ft. high, and 70 or 80ft. long, if you want first-class results. The batteries may be a little flat, or there may not be enough of them.

MACH (Opunake):—How can the resistance of an earth connection be measured?

A.: Apply to your electricity supply authorities, who have the necessary measuring instruments, and would probably charge only the price of a fuse replacement.

PUZZLED (Westland):—How can I test a lightening condenser?

A.: Remove it from between your aerial and earth, and if the set goes better it is at fault. If it does not make any difference your earth wire is probably corroded.

A. B.C. (Timaru):—When I connect the short inside antenna to my receiver I find that it goes much better if the

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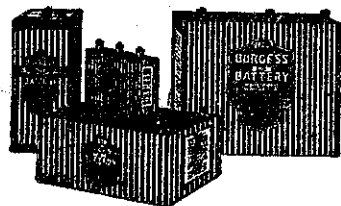
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far end is touched with a piece of metal. Does this signify an internal fault?

A.: No, by contacting the wire you are adding to the effective aerial length, for your body is collecting signals.

W. H. (Alexander): I have an American battery set. What is the best combination of valve?

A.: Four 221's and a B605 suitably biased in the last socket.

KIT SET. (Dunedin): I can get only morse on my all-wave set. The tuning coil ranges from 25 to 45 metres.

A.: Wind a few more turns, say two, to get up to 50 metres, as most of the stations on telephony which are received regularly in New Zealand are transmitting on 49 metres. Always remember when tuning a short-wave set if you want morse oscillate, if you want telephony, do not. The fact that you are receiving morse proves you are oscillating. Stop this and you will receive telephony, which you cannot do otherwise.

BAY (Christchurch): I have a three-valve set. What alterations must I make to convert it to a short-wave set?

A.: We cannot redesign your set, but you will find an excellent adaptor described in the 1929 "Guide," but omit the 1 mfd. by-pass condenser.

J. H.G. (Whangarei): In looking through Q. and A. it is very disheartening to have to read of everything by its technical term. There must be hundreds of listeners who, although interested and desirous of improving their results cannot follow your page because of its technicalities. I have frequently asked people to translate the answers, but they reply in equally baffling terms.

A.: This is more or less inevitable. We cannot devote more space to Q. and A. than they are now receiving, and if we were to attempt to explain everything in everyday language the space required would be more than double. If you refer to the "Radio Guide" of either 1929 or 1930, you will find all the terms explained there in non-technical language. However, we will bear your request in mind, and keep our replies as general as possible.

J. T.S. (Wangatoa). I find that my "B" battery of a hundred Leclanche cells delivers a 140 volts when standing, and 37½ when using. They were supposed to deliver the same voltage at all times. My set draws 28 amps. A friend of mine has a similar battery, from which he draws 15 amps. and his remains constant.

A.: This is due to the extra load drawn by your batteries. You see it is almost double. A peculiarity of Leclanche cell is that when a drain is placed upon it, polarising takes place, and the voltage drops. This is due to the collection of hydrogen bubbles around the zinc. In dry "B" batteries a depolariser is used.

2. What is the approximate life of the porous pots? I can see signs of wear on the zincs after a month's use.

A.: You will find the zincs to wear fairly quickly, but the porous pots and their contents should last for some considerable time.

N. Z.R. (Christchurch). Will my set be materially improved if I substitute six volt valves for two volt? The present valves are 18 months old, and I do not want to go to the expense of a six

To Cure "Overlap"

A Common Fault

ONE little trouble which is not very clearly understood by many people is the reaction irregularity known as "overlap," and it may be useful to some readers to try to explain just what it is. In a normally working set you should find that if you gradually increase the reaction condenser setting the set will presently break into oscillation at a certain reading, and will stop again at the same reading if you reduce reaction once more.

For example, if you find that the set goes into oscillation as the reaction condenser passes the 50 degree mark, it will stop again when the condenser passes 50 degrees once more as you bring it back. That is what happens in a set behaving properly. In one afflicted with overlap you would find that although it might go into oscillation as the reaction condenser reaches, say, 50 degrees, it will not stop again until the reaction is slackened off to perhaps 45 degrees. The two points overlap, hence the name.

Where the overlap is at all serious it can be an extremely annoying fault, and in a set depending to any great extent on properly applied reaction for its sensitivity can make long-distance reception almost impossible. The trouble

is that if you adjust the set to its most sensitive state a little below the oscillation point it is working in a thoroughly unstable condition. If a strong atmospheric comes along the set will probably break into oscillation, and will not stop again until you slack back the reaction considerably.

Each time you have to do this, of course, you probably lose the station altogether, because by the time the set stops oscillating the reaction has been reduced so much that it is a long way off its most sensitive adjustment. You then have to bring it up once more to the sensitive setting, just short of oscillation, presently it goes over the edge once more, and you begin again.

Altogether a most annoying business, both for yourself and for anyone else listening to the same station in your neighbourhood. It is not, you will see, the same thing as "ploppy" reaction, although the causes are much the same. Probably it should be regarded as a more acute form of the same complaint, ploppiness run wild, so to speak.

Here are some of the likely causes, from which you can pick out the ones most likely to be responsible in any particular case; wrong size of reaction coil, wrong B voltage, unsuitable detector valve, detector valve losing emission, grid leak of wrong resistance for valve, faulty grid leak, B battery run down, coupling troubles in B eliminator, radio-frequency currents leaking into audio-frequency stages, faulty high-frequency choke, and a run-down A battery.

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Reception from a set fitted with the Jensen Nucore Dynamic—the latest type of moving coil speaker—is different. Music, both vocal and instrumental, is clear and faithful in tonal quality, while speech is vital and ringing as if the speaker were in the room with you. You can hear this difference even if you know very little of music. And bandmasters, conductors and other members of the musical profession whose judgment carries weight, have expressed their preference for the Jensen's true-to-life reproduction.

The Jensen 6-volt Dynamic operates at full power, using only 4 amp. from the accumulator, or from a Well-Mayde ½ amp. charger connected to the A.C. Mains. Only the Special Core and Winding of the Jensen permits such economy.

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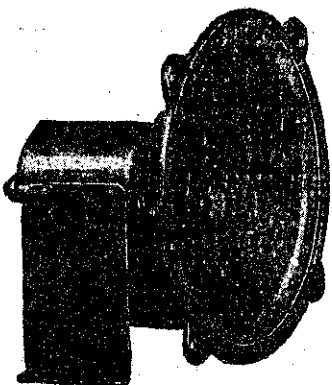
D-6 —Concert Unit	£6/7/6
D-7 —Concert Unit	£6/7/6
D-9 —Concert Unit	£6/7/6
D-80—230-Volt A.C.	£9/15/-
110-Volt A.C.	£10

New Models

New models to arrive shortly (the Concert is the standard model) include AUDITORIUM DADDY, size 12in., for theatres, £15-£19 approx.) and MIDGET (6in., 9/-, 11/- approx.)

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volt battery if a two volt will do as well.

A.: You would find the four volt series a good compromise. They are more sensitive than the two volt.

3. What method of regeneration control would you advise where panel space does not permit the use of a variable condenser and a moving tickler is inconvenient.

A.: You are certainly under difficulties. Resistance control, a diagram of which is published this week, should meet your requirements.

L. J. (Christchurch). My wave trap will not cut out an amateur who is 500 yards away, though it will eliminate 32C in favour of 3YA, and vice versa.

A.: You appear to be in the shock area, and it will be very difficult to eliminate the amateur. If your aerial is not already at right angles to the line between yourself and him, try and get it round. It will probably make a great difference. Otherwise you are unfortunate.

SUCCESS (Napier). What type of dynamic speaker would you recommend to give undistorted volume for a hall?

A.: You do not state the size of the hall, but for medium size one that will deliver 10 watts will be satisfactory.

2. I am troubled with electrical interference. My aerial is at right angles to the lines, and I have tried a counterpoise earth all to no effect.

A.: The first thing to do is to advise the power supply authorities, and see if they can prevent it. If they have done all they can, try another earth, an indoor antenna, such as wires between the ceiling and the roof, and loose coupling in the aerial circuit.

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

Name of set

Number of Valves

Name

Address

Nom de plume

To be kept in subsequent inquiries.

Date

Please Note:—

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

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

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THIS scheme for full plate and filament supply allows of any number of valves being supplied with "A" and "B" current from d.c. mains, together with grid-bias for the audio stages. An anode bend detector is recommended, grid-bias being applied, and the usual leak and condenser dispensed with. A valve of very high impedance may have a high plate voltage and require only $1\frac{1}{2}$ volts bias, whereas the 201A type will require a higher bias, obtainable from a 9-volt tapped bias battery.

One-quarter ampere of current will be drawn from the 230-volt mains, which is economical running—16 hours on one unit of electricity, or where current costs as much as 3d. a heating unit, the set may be used for 3 hours every day at a cost of 17/- per annum for current, or nearly three hours' running for one penny. Compare this with the continual expense of buying new "B" batteries and the cost of recharging accumulators.

Running a Dynamic.

SOME constructors will be making inquiries as to the practicability of using the current to excite the field winding of a dynamic speaker, so it may be stated that a suitable field winding is not likely to be encountered. A winding to pass .25 amp. would only require about 50 volts, and consume 13.5 watts. A field winding to consume 60 watts would be considered extravagant. A 230-volt winding consumes about 6 watts. A specially-wound field would be required, using 26 wire, of which 1050 yards would have a resistance of 98 ohms, giving 4900 turns on the average "pot," which is more than would be necessary with .25 amp. passing. The d.c. resistance must be not more than 500 ohms to include in the filament circuit.

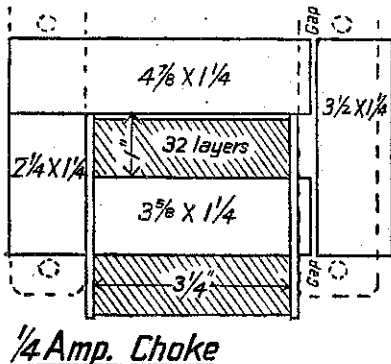
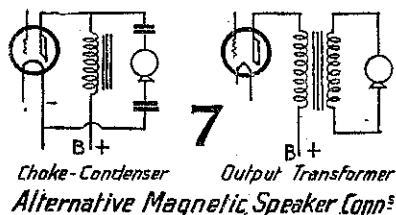
The field winding takes the place of all or part of the extra resistance in the filament circuit, and would render the use of the large smoothing-choke unnecessary.

Valves to Use.

ALL valves used in the receiver must take .25 amp. on the filament, but the voltages may be all the same or different. All filaments are wired in series, including the two push-pull 171's. As the filament in each 171 is at a different potential by the amount of drop across one filament, 5 volts, the bias applied to the grid of each must differ by that amount. That is to say, the grid of the valve (B) nearest to the negative end of the filament circuit requires 5 volts more bias than the other push-pull valve (A). This constitutes the little difficulty that was mentioned earlier.

If a push-pull input transformer is used with a centre-tapped secondary, grid-bias is applied to this tap, and will therefore be equal on each grid. We can increase the potential on the grid of B by placing in the circuit a $\frac{1}{4}$ -volt bias battery as a means of increasing the bias on one valve. Although the bias is actually half a volt short of the required deficiency, this is a very small error in 40 volts—one-eightieth—and clears the difficulty.

It may at first appear to be a poor expedient, including dry batteries, but this small battery saves running the push-pull filaments in parallel, which would double the current consumption of the receiver without any other benefit, and the extra current would cost far more than the $\frac{1}{4}$ -volt battery, of which good makes in the writer's pos-



session have kept full voltage up to 18 months.

When there are fluctuations in the filament supply, either a.c. or d.c., a heavy filament should be used, as it holds the heat better than a light one, making the fluctuations less noticeable, and this quality is particularly needed in the detector. The valve that best fulfils this condition is the 112A, which should be used for the detector and first audio. The 201A type will suit the r.f. stages. If valve voltages are mixed, all that is necessary is to adjust the extra resistance 4 ohms more or less for each volt difference from 5 volts in the filaments. If 201A's give noisy working, try 112A's for r.f. stages.

The Resistances.

TOTALLING up the various resistances in the filament circuit gives 361 ohms, and this deducted from 920 ohms, the full resistance required, gives 559 ohms, which is the minimum extra resistance required in the circuit. In the table of resistances 580 ohms appears as the extra resistance, which allows 40 ohms over, covering a difference of 10 volts. For fine adjustment a rheostat of 10 to 20 ohms to carry $\frac{1}{4}$ amp. may be added to this, but failing a rheostat, the end of the nichrome wire might be made variable by securing to a terminal.

The resistance of a filament is found by dividing the working voltage by the current passed, so the quarter-amp filaments have a resistance of 20 ohms.

The total resistance required across the mains is found by dividing the supply voltage, 230, by .25, the current to be used, which gives 920 ohms. This is to be the total combined resistance of filaments, choke or field windings, bias resistors, etc., included in the filament circuit, to which a small amount of variable resistance should be added.

The total resistance will be made up as follows:—

	Resistance ohms	Volt. drop
Choke	1 0 5	2 7
Extra Res.	5 8 0	1 4 5
5 Valves	1 0 0	2 5
Bias 2 res.	1 7 4	4 5
	9 5 9	2 4 2

Totalling up the various resistances and deducting the sum from 920 gives the amount of extra resistance required in the circuit, but 50 ohms extra at least should be included and made variable so that fine adjustment may be effected to suit mains variation etc. Note that in this circuit every 4 ohms gives a drop of one volt.

Actually 39 ohms extra resistance is shown, but this may be increased slightly to allow for variation. The variable portion is shown at the plate supply end, because this will probably be the most convenient point, especially if a lamp is used for the 400 ohms.

Obtaining suitable resistances is rather a difficulty owing to the comparatively heavy current to be carried.

The best way to make up the 580 ohms is by utilising an electric lamp for 400 ohms, making up the balance of 180 ohms with 28 B. and S. nichrome wire (bare). Only two electric lamps work out to a suitable value—a 230-volt 32 candle-power carbon filament with a resistance of 413 ohms and a metallic filament lamp of 30 watts for 110 volts, having a resistance of 400 ohms.

Two suitable lamps may be used in

parallel for the 580-ohm resistance, but as they will not be brightly lit, care must be taken to make sure that they have sufficient resistance when testing out. A 50-watt 230-volt m.f. lamp works out to 1059 ohms, and passes .217 amp. Two in parallel would have a resistance of 529 ohms when fully lighted. They would jointly be capable of passing .434 amp, but would only be getting .25 amp, between them, hence the reduced brilliancy. Necessary additional resistance would be made up of 30 B. and S. nichrome wire.

When using lamps as resistances it is necessary to arrange that the voltage drop across them is no greater than that for which they are rated, otherwise the filament will burn out.

The 180-ohm resistor may be constructed upon a strip of fibre so that heat may be easily dissipated. Of 28 B. and S. nichrome, 43 feet must be used, with a foot or two extra for preliminary use. If the fibre is six inches wide, each turn will be one foot, so 43 turns will be required. Good spacing will be 10 or 12 to the inch, with notches made at the edges of the strip with a hack-saw. It is best to measure off the wire, which may then be wound upon any convenient size of strip, say 4 inches wide, passing the ends of the wire through fine holes. At the variable end leave 2 feet over, the object of this being to introduce plenty of extra resistance while making preliminary adjustments of the filament circuit. The wire is gradually reduced until the correct reading, 5 volts, is obtained across any of the filaments, using a voltmeter.

The 134-ohm bias resistor for the negative end of the circuit must be constructed of the same wire upon the same plan, using exactly 33 effective feet of wire. If preferred, the fibre strips may be conveniently stowed under the eliminator or receiver baseboards, but a clear air-space of at least $\frac{1}{2}$ in. must be provided on each side to prevent heating.

Bearing in mind that the nichrome wire has a resistance of 4.155 ohms per foot, small bias resistors may be made up as follows: 6 ohms, 18 in.; 7, 20; 8, 23; 9, 26; 10, 29; 12, 35; 16, 46;

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Stations Heard During Week Ending October 11.

RV15, Siberia, 70 metres: This station continues to come in well each evening. On Monday they were heard as early as 7.45 p.m. at R9 with talk in English, which concluded just after tuning-in.

49.9 metres (about): On Tuesday and Friday mornings till 6.30 a.m. a station was heard. Signals were very weak, but voice appeared to be an American.

W9XF, Chicago, 49.83 metres: Sunday and Saturday good volume till 7 p.m.

PK3AN, Sourabaya, 49.7 metres: Saturday from midnight, records; 12.10 a.m. chimes and 8 o'clock strike. Dutch National Anthem, call, etc., in Dutch. Call sounds 3—Ah—N. Excellent at R9. Static bad.

W8XAL, Cincinnati, 49.5 metres: Saturday R7 at 4.30 p.m.

W9XAA, Chicago, 49.34 metres: This station broadcast a special international programme on Sunday, continuing till 10.30 p.m., New Zealand time. After 6 p.m. volume was quite good, but readability with me was poor on account of a noisy background. Announcements were made in several languages. Great interest was taken in Wellington, as I had several inquiries for the address of the station for the reports. The address is W9XAA and WCFU, North-East Tower, Navy Pier, Chicago, Illinois, U.S.A. (office and studios are of 623-633 South Wabash Avenue, Chicago). They were heard again on Saturday night at 11.45 at R9 with "phonograph records."

W8XAL, Boundbrook, New Jersey, 49.18 metres: Saturday and Sunday till 5.30 p.m. They gave the news of the R101 disaster just before signing off on Saturday. Volume R9 for last hour.

W2XE, New York, 49.02 metres: Sunday, but not received too well. R6 at best.

Radio Saigon, Indo-China, 49 metres: Wednesday, Friday and Saturday. Starts about 11 p.m. Interval signal a bell with call "Hullo, here is Radio Saigon."

Round the World on Short-wave

Volume excellent, R9 with one stage of audio.

WSKK, Pittsburgh, 48.86 metres: At 4.45 p.m. on Sunday messages for the Far North were being read, received here at R7. The volume was about the same at this time on Saturday.

KIXR, Manila, 48.86 metres: Each evening except Monday. Volume is best till soon after 10 p.m., when it goes off a little.

48.2 metres (about): Sunday afternoon, first audible 4 p.m., reaching R8 by 5 p.m., but too gurgly to understand the talk.

HS4PJ, Bangkok, Siam, 37 metres: Saturday at 11.35 p.m. calling Buenos Aires, Paris, etc. The call was given several times, but could not understand the letters or figures. Volume was R9. They went off the air at 11.42 p.m., and were heard later on their lower wavelength (see later).

VK2ME, Sydney, 37.6 metres: Wednesday and Friday duplex with 2LW; R9.

PLW, Java, 36.92 metres: Thursday at 9 p.m. duplex with Sydney. R9 one stage of audio.

VK3ME, Melbourne, 31.55 metres: At 10 p.m. on Friday were very loud and clear.

W2XAF, Schenectady, 31.4 metres: On Sunday they were poor, being weak and gushy. Reception was much better on Saturday, reaching R9 by 3 p.m.

Zeesen, Germany, 31.38 metres: Good each morning till about 7 a.m., after which volume decreases.

W1XAZ, Springfield, Mass., 31.3 metres: Saturday, 11.30 p.m., carrier only, increasing to R5 by midnight.

PCJ, Eindhoven, Holland, 31.28 metres: Very good at 6.30 a.m. Friday and Saturday, decreasing in volume by 7.30 a.m. Saturday afternoon reached R8 by 5 p.m., but noisy background spoils reception.

HS2PJ, Bangkok, Siam, 29.5 metres: Saturday, just after midnight (Sunday morning), calling Genoa, Berlin, etc., the same voice that was heard earlier on the other station. The wave, I thought, was about 31 metres, but it is reported to be 29.5.

LSH, Buenos Aires, 29 metres: From R4 at 1 p.m. to R8-9 when closing at 2.30 p.m. on Sunday, but not so good on Saturday, as they were gushy.

VK2ME, Sydney, 28.5 metres: Telephone service twice daily with England. Duplex with PLW on Thursday.

GBP, Rugby, 27.7 metres: Telephone service with Australia daily, duplex with 2LW, Wellington, on Wednesday evening.

G5SW, Chelmsford, 25.53 metres: Not one good morning this week. The transmission starts now at 6.30 a.m., as GMT is again being observed in place of "Summer Time." On Friday evening the special service from St. Paul's came over fairly well. Morse interference till 11.40 p.m. spoilt reception. Signals were gushy, but the service could be followed fairly well. The reading of the 9th verse, 7th chapter, Revelations, was about 75 per cent. intelligible.

3R0, Rome, 25.4 metres: This is still the best long-distance station, being excellent each morning at R9. The music is always of the highest order.

A "Singing" Radio Tower

On Sydney Hills

A CURIOUS phenomenon of great interest to visitors to Amalgamated wireless station on Pennant Hills, Sydney, is the "singing" radio mast erected there.

At the foot of the towering 400-foot mast is an earthing switch, and when this is nearly closed during a transmission a spark leaps across the gap, warming the air in the immediate vicinity and reproducing whatever 2FC may be broadcasting. It is rumoured that Caledonians, especially on a cold day, are the most frequent visitors.

THE
MODERN DISTANCE
GETTER

The Mullard Screened Grid valve does the work of two ordinary distance getting valves. It is a British valve with the wonderful Mullard P.M. filament. Already it has revolutionised radio ideas at home—you can buy it to-day.

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THE MASTER VALVE



Obtainable from all good Radio Dealers in 2, 4 and 6 volt UX and English bases. Sole New Zealand Selling Agents: SPEDDING, LTD., 2 Anzac Avenue, Auckland; Dominion Bldgs. Wellington; 214 Madras St. Christchurch; 42 Crawford St. Dunedin. Advt.—The Mullard Wireless Service Co., Ltd., Mullard House, Orling Cross Road, London, W.C.2.

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Communications are being daily received from happy and satisfied possessors of

OUR FAMOUS SHORT-WAVE SETS,

All confirming their high reputation established throughout the Dominion.

A New Zealand product which has performances unequalled by imported sets.

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Would you like to be one of those who get about and SEE PLACES?

Qualified Radio Operators see the world under ideal conditions. Start learning to-day. For full particulars

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BRANDON STREET, WELLINGTON.

PORIRUA MENTAL HOSPITAL RADIO FUND

XMAS GIFT 1930

for the installation of radio equipment throughout
Porirua Mental Hospital
(Under the patronage of the Minister of Health,
Hon. A. J. Stallworthy)

Your support is urgently needed for this worthy cause. Help to provide comfort and entertainment for those who are cut off from the ordinary joys of life. All listeners-in will appreciate the wonderful difference which radio installation would make at Porirua

DO YOUR BIT! DO IT TO-DAY!

Fund Closes October 31

The Organiser of this Campaign is paying all his own expenses, and every penny collected will go into the fund. All accounts and subscription lists, etc., will be audited

Mental District includes the Provinces of Taranaki,
Hawkes Bay and Wellington

**Subscriptions may be sent to the office of the N.Z.
Radio Record, or direct to the Hon. Organiser,
L. O. HOOKER, P.O. Box 99, Hawera**

Send Your Subscription TO-DAY!

THE intimate lives of the great have ever been the subject of song and drama, and it was inevitable that such a beautiful love story as that of Elizabeth Barrett and Robert Browning should become material for literature. Browning was attracted first by the magic spell of the invalid's poetry, and later the whole chivalrous nature of the man was roused at thought of the gloomy background in which that poetry flowered. His ardent and tempestuous wooing did more for Elizabeth Barrett than all the skill of her doctors, and to her subsequent happiness and reviving interest in life we owe many of her finest poems. The dramatist Rudolf Besier has made the most of his material in "The Barretts of Wimpole Street," and the play was produced for the first time at a matinee during the Malvern Festival. The tender charm and beauty of the story form its chief appeal, but dramatic moments are not wanting, and the play seems assured of a successful run.

WHERE space is limited as it is in most beach huts a good plan is to have folding tables and chairs, so that they can be stored flat against the wall when not in use. The new synthetic china is ideal where there are children, as it is unbreakable, and can be bought in pretty colourings. A couple of extendable clothes-hangers, made to fold flat against the wall when not required, will be found most useful for extra wet-weather coats. And this good idea, for drying bathing suits and towels, is a clothes-horse with several arms—which also rests flat against the wall if necessary.

A SPECIALLY-DEvised cradle float has been adopted by Queen Mary's Hospital for Children, London. This is used for badly-paralysed children who are otherwise debarred from the pleasure of enjoying a real sea bath. It has also been proved that frequently absolutely helpless cripples have been able to get some use from their defective limbs when in the water.

ALL who have read J. B. Priestley's "The Good Companions" will be interested to know that the author has just dramatised it, thus making his debut as a playwright. An operetta version is probably being made also.

A DOMESTIC electric egg-beater is absolutely unbeatable. It's great! In appearance, the whisk part is just like the manual one, but there is a small flat form on the top. On this sits a neat little motor with hand rheostat control. The back portion is securely fixed on a stand, and all one has to do is to place the basin with eggs, cream or cake mixture underneath, turn on the switch, and leave it to do its work while your attention can be diverted to other duties. It is invaluable on farms or in large families, and as it is inexpensive it is by no means beyond the purse of every housewife who has to do her own cooking.

A FRIEND has just installed a very cheap and efficient gas calliphont and it is proving equally as good as the large, expensive ones. It costs only £4/15/-, is nickel-plated, and its chief charm is a quick flow of water,



not a trickle, for its heating capacity is very great. There is also another on the market which is cheaper still, and this can be placed over the bath with an extending tap over the basin. When building, it is well worth considering.

WHEN brick houses are first built it is advisable not to paper on the top of the plaster for a year. Unfortunately, white is a trying colour for a room, especially when the electric light is on; therefore, it is an excellent idea to paint the plaster any desired colour with a good flat paint. I was recently in a home where this had been done and it was most effective, and although it had been painted, for six years, it hadn't a single mark of dirt, for if it becomes marked it can be cleaned with soap and water.

Thought For The Week.

We receive, each one of us, the Magic Bean, and if we plant it, it will undoubtedly grow and become our ladder to the stars and the cloud castles.

Arthur Machen in "Far Off Things."

AN idea was suggested to me yesterday when I was converting a kitchen into a dining-room. Instead of scrimming and papering the wooden walls, use beaver boarding with batons. Not only is it more satisfactory, but it thoroughly changes the impression of its ever having been a kitchen.

I HEARD two women debating the possibility of an ideal dining-room being made out of a room only 9 x 8; and whether six people could be comfortably seated. It is possible, and it has been done and used in a very charming home. All the equipment is built in, even to the pedestal dining table, which is fixed to the floor. This is oval in shape, and a semi-circular seat, which seats six people comfortably, is likewise built in. This seat is built up against one wall and part of two other walls; and the free end of the oval table is cut straight, and a chair is placed there and from that end all the serving is done. The sideboard is built in and has four capacious cupboards, and above is a large mirror which not only improves the lighting but also gives the illusion of spaciousness. The lighting is evenly distributed by opaque glass fittings at the four corners of the room with opal lamps. This gives the room a most cheerful and agreeable effect.

CHANDELIERS are the only central lighting fittings that look well in a period room, and even then the light they throw upon the room

strikes too harsh a note. There is no doubt that the most satisfactory form of lighting to use in any kind of room is concealed lighting or wall brackets with several reading and standard lamps placed about the room. You will find, too, that this means of lighting tends to bring out the warmth and colour of old woods, while the central lighting killed all the soft tones.

MISS JULIA CHATTERTON, the song composer, makes a hobby of collecting old folk-songs, and in the last eight years she has gathered over one thousand from all over the world. She has just returned from a trip to the Balkans, bringing with her fifty new additions to her collection, as well as some quaint home-made

instruments used by the peasants. She is planning an anthology of the folk-songs of the world and intends to visit China, Japan, India and East Africa in the near future.

AT the chocolate and confectionery exhibition held at Olympia, London, last month an official in charge of the stand of prominent manufacturers told a reporter that more sweets and chocolates are being eaten at present than at any time during the past ten years. "Three or four years ago," he said, "the chocolate industry experienced its zero hour. It was due mainly to the drastic diets which women were adopting to acquire the boyishly slim figure then the fashion. Now the pendulum has swung the other way. The ultra-slim figure is no longer the prevailing mode, and chocolates are more popular than ever."

WHEN dyeing faded curtains it is a good plan to bleach them first, otherwise they will take the dye unevenly. If you are doing several pairs it is best to put each pair in a separate bath, in which the dye is of the same strength. If there is only one dye bath, prepared the first pair of curtains will absorb most of the dye, and the subsequent ones will be of a paler hue than the rest.

NOW that Christmas is within sight housewives will be turning their thoughts to fare appropriate to the season. The following recipe for

mincemeat may be found useful:—Ingredients: 1lb. each of apples, suet, large raisins, sultanas, currants and sugar; 4lb. peel, 2oz. almonds, 2 small lemons, half a nutmeg (grated), 1 tea-spoonful mixed spice, quarter pint of brandy or whisky. Put into a large basin the apples (peeled, cored and sliced), the suet (free from skin and roughly cut), the raisins (stoned and cleaned), the currants (cleaned), thickly sliced peel, blanched almonds, and sugar. Mix all together and put in spoonfuls through a mincing machine. Return to the bowl and add the grated rind and juice of the lemons, the nutmeg, spice and brandy or whisky. Stir very thoroughly before putting into clean dry jars and tie up.

DESIROUS of supporting all efforts to introduce a new spirit into industry (says the "Alliance Record") an employer called his men together to place before them his plans for bettering working conditions. "Now, whenever I enter the workshop," he said, "I want to see every man cheerfully performing his task; and therefore I invite you to place in this box any suggestions as to how that can be brought about." A few days later he opened the box and took out a slip of paper on which was written: "Take the rubbers off your shoes!"

DON'T you dislike the look of egg-stains on your egg-spoons? By chance the other day I found that when the spoons are washed if one rubs a little salt on the egg-stain it is removed at once and the salt does not even scratch the spoon.

LATELY we have been buying shelled walnuts, because of the difficulty of excavating the nuts, but they are never so fresh as the ones taken directly from the shell. However, we have now been told to pour boiling water over the nuts and let them stand until cold; then crack the end of the shell with a hammer, and the nuts will come out whole.

BRASS plates and all brassware can be cleaned easily if one has no brass polish by rubbing on a little whiting and then squeezing a lemon on this, and the use the lemon as a sponge on the ware.

HAVE you ever tried putting brown paper or blotting paper under material when using benzine to remove grease stains? This is an excellent idea, as the pad underneath helps to absorb the grease. But, be careful to saturate your material round the stem, and work inwards, otherwise you are apt to leave a water mark.

THE tennis season is here, and one of the chief trials a girl must undergo is sunburn. To avoid it try washing your face in milk, and let it dry on. You'll find it a little uncomfortable for a few minutes, but it is absolutely infallible.

IF your skin and colour are not what you would choose, and if your hair looks lank and mousey in colour, try the effect of a violet ray apparatus every day. There are different electrodes, and a special comb electrode for the hair. The chief virtue of violet ray is that it stimulates circulation, thus nourishing the tissues and cells, and after a short time of using it a woman will

find that a healthy and natural colour will return to her cheeks, and all facial blemishes quickly disappear. Personally, I am of the belief that a good walk every day will be even more advantageous, but more strenuous than this easy and simple method, which, because it is a lazy way of keeping well, is soothing to the nerves..

GARDENING is an excellent tonic for the nerves, excepting when it becomes so fascinating that one loses all sense of time, and suddenly discovers she is left with only half an hour to dress and keep her appointment in town, and then the strain of rushing undoes all the good the playing with mother earth did. Talking of gardens—have you ever tried burning a few pieces of newspaper on top of the earth, where seeds have just been planted? Do so next time, and you'll find they'll germinate much quicker.

THOUGH this is "We Women's" page we don't want to use it to boast about the brains of our sex, but we do like to give credit where it is due. Miss Honey Harris, daughter of Sir Austin Harris, deputy-chairman of Lloyd's Bank in London, and Mrs. Marconi, two well-known artists, have recently been employed to carry out the decorative scheme of the new head office of Lloyd's Bank in London. Miss Honey Harris has designed twenty marble plaques, representing coins from 461 B.C. to the present day, and Mrs. Marconi has been engaged on two marble bas-reliefs in the banking halls.

—Yours,
ALISON.



A Cooking Hint.

—One that means lighter, fluffier, more delicious scones and cakes—with higher food value and a much longer period of freshness.

Add a few spoonfuls of **ANCHOR SKIM MILK POWDER** to every mixture.

Ask your grocer for "ANCHOR" TODAY.

PRICE 1/2 PER TIN.

Free Recipe Folder—write to "Anchor," Box 844, Auckland.

Prize Poem Competition

THE prize of half a guinea for the best poem is awarded to "D.P." for "The Menagerie," a brief and poignant impressionist study of dwellers in the jungle, imprisoned by mankind to indulge the amused curiosity of inquisitive sightseers. This poem is instinct with an ironic indignation against captivity of wild things—a spectacle, as an old poet said, calculated to put "all Heaven in a rage." Good work has been received during the fortnight that has elapsed since our last competition, and though not up to prize-winning standard, we select for commendation "Greta's" two contributions, "The Birth of a Day" in particular revealing imaginative quality combined with attractive expression.

"Wild Rose" possesses a dainty facility for one so young, and her small, sweet poem anent the mists of spring holds promise for literary future.

"Betty K.": Thanks for letter and rapturous verses, which express some of the radiance of a "Dream-come-True." Tennyson was not far out, was he, when he wrote of the spring in "Locksley Hall." Kia ora!

"An Etching": An apt title for a vividly-phrased impression.

"Oh Mack's" work is at all times skilful and effective, and this week's contribution is no exception.

"Annabel Lee": Slight in texture and mediocre in expression.

C.S.: We like your letter of appreciation and what you say of the writing of verse. The poet's path is "uphill all the way," but to scale even a few of the hills of difficulty is well worth while.

"The Punga World" is all for a life of hard work "far from the madding crowd," and makes out quite a good case for it, too.

M.J. sets forth in two short verses a poetic conception of music imprisoned in the dark heart of a fiddle. Her poem has something of the blessed quality of originality.

"Alpha": A conscientious catalogue, but the incidents don't "click."

The Menagerie

*THE Show drums boom, the Showman bawls
Into the tent with its windy walls,
Into the rank and tainted air,
Come the careless, curious crowds to stare.
Here behind sturdy bolts and bars,
Caged forever from wind and stars,
With hate and fear in their amber eyes,
Pace things of the wild and the open skies.
The mangy lion snarls and slinks,
Perhaps in his own dim way he thinks
Of tireless limbs and fearless might
And shimmering wastes of the tropic night.
Over the blur of form and face
The tiger stares into haunted space,
The piteous ape in his squalid den
Serves for the laughter of thoughtless men,
The wolf in a sullen stupor lies,
Dim are the chained eagle's eyes.
But the Show drums beat, the Showman bawls,
And into the tent with its windy walls,
Into the rank and tainted air,
Come the careless, curious crowds to stare.*

—D.P.

YOU CAN STOP IT!

If you smoke you are shortening your life. You can stop it in a very short time. Ask for particulars free. Home Welfare Pty., A.M.P. Buildings, 36 R. Hunter Street, Wellington.

for yearly by the various institutes, and is given for the best crop of potatoes, each member planting three tubers. If won by one institute three times in succession it becomes the property of that institute. The silver motto on the shield is a fitting summary of the aims and objects of the movement: "For Home and Country."

FAMA For Bathrooms, Lavatories,
Sink-tops, etc.

FAMA STONEWOOD FLOORING CO., Wellington.

Women's Institutes

Growing Interest

THE days are now gone when living in the country meant almost complete isolation for women. Improved railway facilities, motor-cars, and wireless have all played their part in bringing rural dwellers into closer contact with the world at large, and now we have women's institutes, the object of which is to bring country women together for social intercourse and the discussion of matters of common interest.

Though of an international character, it is only within the last eight years that the movement has established itself in New Zealand. But in those few years a tremendous amount of activity has been manifest, and now there are nearly 200 women's institutes in this



MISS AGNES M. STOPS,

—S. P. Andrew, photo

country. They hold a social gathering once a month, and specialise in the development of arts and crafts.

In Wellington during the past week there has been a conference of delegates from the various New Zealand institutes, with the object of co-ordinating the different branches by the formation of a national federation for the Dominion. At the same time there has been an exhibition of the handiwork of members, and the excellence of the exhibits testifies to much latent talent, which might never have found an outlet had it not been for the stimulus afforded by the institutes. Great ingenuity was shown in the making of mats and rugs from materials, which would ordinarily be discarded, such as strips of sacking from sugar bags, unravelled wool, and men's worn-out underwear.

Old motor tire tubes were utilised to make the most artistic shopping bags, and dainty mocassins were manufactured from the most ancient of felt hats. At one stall there was an admiring group of visitors round a wonderful hatbox, which had begun life as a cheese crate, and now stood padded and lined with rose-coloured silk—a fitting home for the latest Parisian creations!

The interests of agriculture are not neglected by the institutes, and there was on show a shield presented by Miss Crawford, of Massey Agricultural College. This shield is to be competed (Concluded at foot of column 3.)

How to Care for the Electric Range

A DAY or so ago I was talking to a friend whose husband is very anxious to buy her an electric range, but unfortunately she was labouring under the delusion that an electric range is a complicated and somewhat dangerous apparatus—that had to be handled with the utmost care, or else there would be a series of shocks.

Immediately, of course, I set to work to dispel this idea. All the present day articles have been thoroughly tested, and the Public Works Department take every possible precaution to see that users are properly protected. So many of our units are now practically fool-proof, and also fitted with safety devices.

For the better care of your range and also yourself, it would be wise to follow these suggestions:—

(1) Do not handle electrical appliances of any kind with wet hands, or use a wet cloth to clean the range, unless the power is turned off.

(2) Do not tamper with electrical switches, fuses or any electrical units, and be sure to place all repairs in the hands of your electrician.

(3) One has a family doctor, and lawyer, why not a family electrician, with whom you could arrange to visit your home every month, to inspect all plugs, flexibles and appliances.

(4) Do not attempt to clean the elements with the current on.

(5) Watch the thermometer to overheating, for on no occasion must it ever reach a greater temperature than 600 deg. If it overheats it will probably destroy both elements and thermometer.

(6) If your stove is new, before using for cooking purposes, turn both oven elements on to "full" and leave until the thermometer points to 400 deg., then turn off. This rids the oven of any loose ends of straw from packing or of anything that might cause a smell.

(7) When your oven has reached the correct temperature for cooking, turn out the top element, as this is unnecessary for baking, and use stored as much as possible.

(8) Arrange your menu so as to use your oven to the full advantage.

(9) An automatically controlled oven saves the busy housewife a great deal of extra watching.

(10) If your elements are of the open type, they must be kept clean and free from particles of food—continually brush them with a soft brush not to damage the coils, but be sure your power is turned off.

(11) The best scones, by the way, can be made if put into a cold oven and then both elements put on "full."

(12) Be careful not to let liquids of a salty or a sugary nature boil over. To overcome this use saucepans which will completely cover the elements; by this means full benefit will be received from the heat and no power wasted.

(13) Do not allow anything to come to the boil on the top heating elements before reducing the power, otherwise the heat which is retained for some time after the current is turned off is wasted, unless you have some other immediate use for it.

(14) Use only flat-bottomed aluminium ware saucepans, as iron sauce-



Omelet-Making

OMELETS are very quickly made, and are classed as highly-nourishing and appetising dishes. Their preparation and cooking should be mastered. There is no difficulty, for after two or three trials anyone should be able to produce an excellent omelet. Being the most important ingredients, the eggs and butter must be as fresh as possible.

The omelet pan must not be used for any other purpose. It must never be washed, but is best cleaned by beating and rubbing it with paper or a coarse towel and salt. It must then be wiped with a clean cloth. Beat up the eggs thoroughly with a fork, not a whisk. The eggs must not be frothy, but mixed so as to amalgamate the yolks with the whites. It is a good plan to add a little milk or cream at the time of beating the eggs; this makes the omelet lighter and more moist.

Be careful that the butter is hot, but not oily, before the egg mixture is poured into the omelet pan. Once the mixture begins to set, and when the eggs appear sufficiently cooked, shape it by folding in the ends. This must be done at the side opposite the handle, for which purpose the pan should be tilted. Shake the pan gently, so as to loosen the omelet. To turn it out successfully, hold the pan by the handle with the right hand, have an oblong narrow dish in the other hand, and bring the edge of your pan close to the centre of the dish. Turn out your omelet by reversing the pan, and then quickly remove it. The process of making an omelet should not take more than five minutes.

pan use too much power.

(15) Economise by using stored heat wherever possible, thus reducing your account.

(16) By electric oven cooking there is no waste in foodstuffs, the meat weighing practically the same when it comes out of the oven as when it goes in.

(17) For roasting, the general rule is to have the temperature about 450 deg. Leave both elements on for about ten minutes, then turn top element off.

I hope this does not make you feel you are back at your school desks taking down Latin grammar rules on "what to avoid doing," when writing an essay. However, these are genuine hints which I hope will be useful.—Alison.

Plain Omelet.

Ingredients: Four eggs, 1oz. of butter, 1 tablespoon of milk or cream, pepper and salt.

Method: Break the eggs into a basin, beat them with a fork, add more milk or cream, and season with pepper and salt. Dissolve the butter in the pan, and when quite hot pour the mixture. Stir slowly with a fork over a quick heat, shake the pan. When set shape the omelet on one side of the pan, allow it to take colour, then turn quickly on a hot dish and serve.

Kidney Omelet.

Method: Skin two sheep's kidneys, cut them into thin slices, season, and fry with one ounce of butter blended with a very small chopped shallot; add a little brown sauce, and keep hot. Beat four eggs together with two tablespoons of milk; season with salt and pepper. Melt one ounce of butter in an omelet pan. Pour in the omelet mixture, and stir it over the fire until it begins to set; then put in the stewed kidneys and fold over the ends of the omelet. When nicely browned slip the omelet on to a hot dish; pour a little hot tomato or brown sauce round the base of the dish. Serve at once.

Cheese Omelet

Method: Beat up four eggs with one ounce of grated cheese and two tablespoons of milk. Melt one ounce of butter in an omelet pan and cook the omelet as directed for plain omelet. Sprinkle over the surface of the omelet with a little grated cheese.

Spinach.

Method: Wash well, sprinkle with salt, and boil without any additional water. There is so much water in spinach that it requires none to cook in. Push the spinach well down in the pot, as it reduces in the cooking. Drain, chop finely, add butter and pepper. Re-heat and serve hot.

Stewed Celery.

Method: Trim and cut some celery into equal lengths. Tie in bundles and parboil in boiling salted water for 10 minutes. Drain. Line the bottom of a

stewpan with slices of bacon. Place celery above it with a bunch of sweet herbs, and onion, pepper and salt, and add a little stock. Simmer till celery is just tender. Place celery on towel square, thicken the strained stock with browned flour, pour over the celery and serve.

Coffee Cake.

Ingredients: 3oz. butter, 6oz. sugar, 3 eggs, 4½oz. flour, 1½oz. cornflour, 1 dessertspoonful coffee essence, little vanilla essence, 1 teaspoon baking powder, 2 tablespoons of milk.

Method: Beat up butter and sugar, then eggs, add other ingredients, and bake in sandwich tins.

Filling: 2oz. butter, 4oz. icing sugar, little vanilla, 1 teaspoon coffee essence. Mix all together and spread between the cakes.

Marmalade Pudding.

Method: Line a pie-dish with pastry. cream 3oz. butter, 3oz. castor sugar, 1 tablespoon flour, and 3 tablespoons of marmalade together, and, lastly, 2 well-beaten eggs. Pour the mixture over the pastry in the dish and bake 1 hour.

Topping for Jam Tarts.

BEFORE putting jam tarts in the oven to cook, mix together the following and spread over each; 2 tablespoons of desiccated cocoanut, 1 tablespoon of butter, 1 tablespoon of sugar, 1 beaten egg. This is delicious over any jam tart.

SOUR STOMACH
Indigestion Acidity & all Stomach disorders
SPEEDILY RELIEVED by
PEPTOS
The GREAT RAW-RAW
REMEDY
REVISED BY DR. J. H. GREENE

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1/6 all chemists

ARE YOU A 100% MAN?

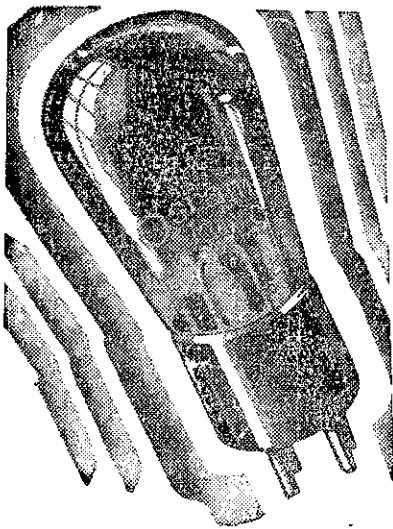
You are not even a 50 per cent. man if you are slave to the smoking habit. We can help you quit it quickly. Home Welfare Pty., A.M.P. Buildings, 36 R. Hunter Street, Wellington.



"Cub sig to be"

YOUV'E known your set to flirt with facts . . . to suggest that the singer had a cold or the announcer a megaphone.

That's easily remedied—by the substitution of one or more of your valves with the battery-operated **L.610** Osrams.



Ask your dealer for Osram Valves—they are of sturdy, honest British manufacture.

If you cannot obtain the valve you need, it will be sent direct, safe delivery guaranteed.

The "Osram Valve Guide"—a helpful little book—will be sent free on request.

A general purpose valve with very low A and B Battery Consumption.

SPECIFICATIONS

Fil. Volts 6.0
Fil. Current 1 amp.
Plate Volts 150 max.
Amp. Factor 15
Impedance 7,500 ohms.
Normal Slope 2.0 ma/volts
Equivalents UX201A, A615, PM5D

Osram Valves

Made in England

Advertisement of the British General Electric Co. Ltd.

Branch Office and Public Showrooms: 31-37 Taranaki Street, Wellington



THE British Broadcasting Company has decided to form an orchestra of 112 players, to cost £100,000 per annum.

DURING a recent "outside broadcast" of a German fete, a description of a mannequin parade was given. Lady listeners were greatly interested in a microphone description of "absolutely the last word."

A BATTERY of 80 loudspeakers have been installed in St. Peter's Cathedral, Rome, so that the words of the priest can be heard by all those assembled.

THE German postal authorities recently made a very wise decision in permitting radio dealers to install receivers on approval in the houses of prospective customers for a period of eight days without license.

A NEW species of thief has made his surreptitious appearance in England. A man visits a house—generally during the absence of its lord and master—and intimates that he has been sent by a radio dealer to collect the set for a free overhaul. The unsuspecting housewife hands it over willingly—and both "collector" and set vanish from human ken.

THE wireless cabin, once regarded by those "who go down to the sea in ships" as the home of much useless "junk," is now one of the most important departments on a ship. Interesting figures are published by the U.S. Light-house Service regarding the stranding of large vessels during a recent three-monthly period. There were 143 strandings and of these 85 per cent. were of ships not equipped with radio compasses. An analysis of the remaining 15 per cent. showed that in only four instances the stranding took place in regions protected by wireless beacons.

FULL arrangements were made during the recent Radio Exhibition at Melbourne to demonstrate the wonders of beam wireless to the public. Receiving apparatus was installed in the hall, and operated from Montreal and London, showing automatic reception of high-speed signals. Two sets of telegraph apparatus were also interconnected from one end of the hall to the other, enabling visitors to the exhibition to dispatch messages between them. These messages were handed in at either point, the sender calling at the other point to receive his message, automatically recorded on a paper ribbon. A further demonstration consisted of projecting a wireless beam across the hall, illuminating powerful lamps as it impinged on a receiving point.

ONE of the most entertaining programmes heard from the United States was broadcast every Monday evening recently from station KNX, Hollywood. It took the form of half an hour with the "Radio Musical Detective," who features in an original way the exposure of stolen melodies. He first announces some melody he encountered in his researches, and after his musicians have rendered the number discloses that some up-to-date composer has "pirated" the tune. The truth of this is strikingly illustrated by the playing of the imitation.

IT appears that, for France, the month of June created a record for stormy days. In 1873 a storm lasted six days, and this was unequalled until the eight in June. People blamed radio, and so fierce raged the arguments for and against this theory that the director of the meteorological department was approached and made a statement of intense interest. "Radio," declared he, "cannot have any influence on the phenomena due to atmospheric electricity, for the simple reason that the strength of the former is almost negligible compared with the latter. One flash of lightning represents energy greater than that possessed by all the wireless stations put together. It is like a fly fluttering by a swinging pendulum of several tons and boasting that he can deflect it to either side by merely flying in the other direction."

DR. WALTER DAMROSCH, of New York, advances the opinion that "radio and the automobile are two opposing forces fighting for the soul of youth." The car will disrupt family life; the radio tends to strengthen it. There is much to be said for either side. The former, though it sometimes encourages the attitude that home is merely a place for sleep, it can be a means of showing people the beauties of the land we live in. The latter can be either an unmitigated evil or a key to the gates of knowledge and entertainment. The choice rests with the users.

TELEVISION received generous publicity in England recently when the London Coliseum, Britain's largest and most famous music hall, announced in August that a television item would be included in the regular programme three times a day. Notabilities in the social, political, and artistic world were "televised" from the Baird studios, situated about a 1/4 mile from the theatre, at the same time making a short speech or giving an item from their repertoire. The general public, critical though they are of such innovations, appeared agreeably surprised at the efficiency already achieved.