

THE RADIO RECORD

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Historic Gathering of Radio Interests

Following on the success of the recent Radio Exhibition held in Wellington, which was initiated and organised by the "N.Z. Radio Record," in conjunction with the trade, the management of the "Record" entertained at dinner all the allied radio interests represented by the Post and Telegraph Department, the Radio Broadcasting Company, and the trade. The gathering was markedly successful and may be a milestone in the advancement of radio in the Dominion.



HAPPY gathering of possibly some historic import was held on Friday evening last, when the "Radio Record" tendered complimentary dinner to exhibitors at the recent Wellington Radio Exhibition and other trade interests. Some leading officials of the Post and Telegraph Department connected with the administration of radio, and members of the administrative side of the Radio Broadcasting company. The function took place in Messrs. Gamble & Creed's restaurant, which was happily filled with guests.

For absence were received the Hon. J. B. Donald, Postmaster-General, Mr. M. B. Esson, First Assistant Secretary, Post and Telegraph Department, Mr. J. M. Fleming, President of the Electrical Federation, Messrs. Abel, Smeeton & Co., Ltd., Auckland, L. B. Scott, Christchurch, J. I. Smaill, Christchurch, Mr. Gray (Laidlaw & Gray), Dunedin, Mr. Eric Wiseman, Auckland, Royds, Howard, Ltd., Christchurch, and Mr. E. R. Boucher (Spedding Ltd.), Auckland.

Amongst the principal guests present were Mr. J. Robertson, Acting Secretary Post Office, Wellington, Mr. A. Gibbs, Chief Telegraph Engineer, Wellington, Mr. A. R. Harris, Radio Broadcasting Company, Christchurch, Mr. J. R. Smith, Engineer in Charge Laboratory, Wellington, and Mr. E. H. R. Green, Engineer, Laboratory, Wellington, Mr. H. E. Taylor, vice-president Electrical Federation, and Mr. J. Lauchlan, Assistant Electrical Engineer Wellington City Council. The exhibitors and radio trade in Wellington were strongly represented.

—Continued on page 2.



Flashlight photograph of performers and audience in connection with the second night of the Maori Pageant, when transmission was made from 10.30 p.m. to 1.30 a.m. to permit of reception in Antarctica by the Byrd Expedition, in Australia, and in the Pacific Islands. Messages subsequently received recorded the special thanks of the Byrd Expedition and others for the treat afforded. The Hon. J. G. Coates, Leader of the Opposition, is in the foreground of the photo.—L. Wallace photo.

The Radio Service.

THE chairman, Mr. A. J. Heighway, Managing Editor of the "Radio Record," in proposing the toast of the Radio Service, coupled with the names of J. Robertson (Post and Telegraph Department), A. R. Harris (Radio Broadcasting Company), and C. J. Ralph (Radio Branch Electrical Federation), asked the gathering to regard the radio service as the consummation of the efforts of man through the ages to achieve perfect communication between localities and peoples. History showed that civilisation advanced only as communication was made more perfect. Rome built its power and maintained it through the centuries because of the rapid communication made possible by its roading system permitting the ready transfer of troops and the promotion of commerce, as well as the diffusion of news and views. China, in her imperial days, according to Marco Polo, had established a postal service which, for rapidity and comprehensiveness, was unrivalled in the eleventh century. Cortez, prior to his conquest of Peru, found that even Mexico had a transport system so perfected by relays of runners that the monarch in his capital scores of miles from the sea could enjoy fresh fish for breakfast. With the coming of the mechanical age, the rapidity and perfection of communications were intensified, and with the printing press, the telephone, the telegraph, the cable system, the Beam system, and in the present age the radio service, communications between peoples were so advanced that the spread of civilisation was promoted and intensified. They could thus regard the radio service as a perfected machine for the diffusion of news, views and entertainment. The question was, how was that machine to be utilised? So far as New Zealand

land was concerned, that gathering contained those who would supply the answer.

The New Zealand radio service had had the opportunity on its establishment of profiting by the experience of overseas countries, and credit was due to the Government in general, and the permanent officers of the Post and Telegraph Department in particular, for their detailed study of the situation and their adoption of a system which, in spite of criticisms, had resulted in the attainment of a standard of efficiency that was creditable to the country in its present state of development. The country owed much—probably more than it realised—to the quiet study and efficiency of the permanent officers of the Post and Telegraph Department for their recommendations which had guided the political leaders in formulating the New Zealand system.

The Company and the Trade.

THE administration of the service had been entrusted to the Radio Broadcasting Company. While, more particularly in the early days, more blame than praise was directed towards the company by those who desired a standard of perfection to be attained more rapidly than was possible in the time, he felt justified in saying that the spirit of service had actuated that company, and in Mr. Goodfellow and Mr. Harris they had men with the vision and the administrative capacity to work steadily towards the ideal that they themselves had of the standard of service necessary for the satisfaction of the needs of the country. He was specially glad to see that the time had now arrived when, with the provision of the four main stations, more attention could be given to furthering the spread of radio in the rural areas. No class of the community stood to

profit more by radio than did the farming community. Just as speedy communications were of benefit to the world at large, so ready communications were of intensive value to the rural community. The community stood to gain much by extending the social amenities of radio in the rural areas. It was in this, and the allied field of steadily serving the public with sets and equipment, that the trade had rendered, and was still rendering, such valuable service. A tribute had been paid by the Postmaster-General at the opening of the Radio Exhibition to the manner in which the trade had co-operated with the department in providing the public with sets conforming to the regulations. The trade could do much to further and maintain the general interest; and arising out of the success of the Wellington Exhibition and the standard of perfection now attained in the sets available to the public, he felt that the doorway of the future was opening, and that the present total of 45,000 listeners would steadily expand until in the not very distant future the grand total would be from 90,000 or 100,000 listeners. When that standard was reached the country would be provided with a service really adequate for making radio available in all parts of the Dominion.

Acts as Referee.

MR. J. Robertson (acting-secretary of the Post and Telegraph Department) in proposing the toast of "The Radio Service" to his department had only one part to play of referee as between the Broadcasting Company and the listeners, and he modestly claimed no great credit for the wonderful progress in the popularity of broadcast listening due to the present service. The increase in the number of listeners' licenses this year had eclipsed all previous years, and he anticipated that at the end of the current month there would be 45,000 listeners' licenses. Broadcasting, however, was only one phase of the P. and T. Department's radio activities, for there was much work involved in connection with the department's morse stations and the traffic between them and ships at sea. He had observed in the handbook issued by Amalgamated Wireless Ltd. reference to the world's record for long-distance morse services conducted by that company, but he thought that his department could claim a greater feat than that of the Australian company. A few months ago a lady had asked his department to transmit a morse radio message to Mars. The message was accepted, duly paid for, and Mr. Robertson, himself, had heard it being transmitted. As he had not heard anything to the contrary from Mars, he thought he was justified in assuming that the message had been duly received. (Laughter.) Where was the record of Amalgamated Wireless after that? (Laughter and applause.)

For the Trade.

MR. C. J. Ralph (chairman of the Radio Branch of the Electrical Federation) in responding to the toast of "The Radio Service" paid a tribute to the conduct of the exhibition and the part played by the "Ra-

dio Record" and its staff. He urged that the P. and T. Department should alter the present system of granting listeners' licences and make it possible for a listener to take out a licence on any day of the year for a year ahead. He said this would greatly assist in stimulating the sale of sets and increase the number of licences. Mr. Ralph commented on the greater spirit of co-operation now existent in the trade and associated interests, and stated that infinitely greater progress could be expected under those conditions than any other..

The Radio Exhibition.

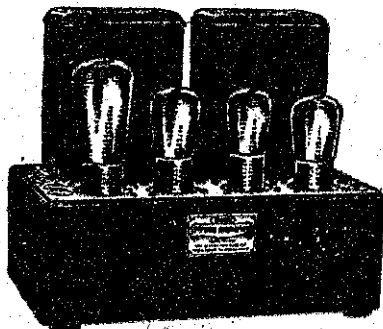
THE toast of "The Radio Exhibition" was proposed by Mr. F. Fitt, coupled with the names of the committee, Messrs. G. Robertson, C. W. Rickard, C. J. Ralph, J. Davies and the chairman. Mr. Fitt said that the exhibition had been a very great success, and in his view would become a permanent annual feature. The trade in general appreciated the work that had been done in connection with the exhibition by the committee. The whole proceedings had been most harmonious, and characterised by a strong co-operative effort on the part of all concerned. The experience of the exhibition showed that improvements might be effected next year by expanding the scope, particularly in the direction of making fuller provision for the children. The opportunity presented of meeting Mr. Announcer and Aunt Gwen had been very popular with listeners, and that might be expanded next year.

In replying, on behalf of the committee, Mr. C. W. Rickard said that the committee had been very glad indeed to render such services as it had in connection with the exhibition. The whole experience had been pleasing and beneficial to all concerned. Mr. Rickard mentioned that he had also visited the Dunedin Exhibition more recently held, and that, too, had been a definite success. Without the opportunity of Wellington for making quite so effective a display, satisfactory results had yet been secured. A special feature had been the catering for the children, of whom 620 had been invited to a special party. He believed that the exhibition could be made an annual affair with advantage, and on behalf of the committee thanked exhibitors for the co-operation afforded them and the harmonious way in which the whole affair had been conducted.

The Programme Service.

MR. Byron Brown, president of the Wellington Amateur Radio Society, in proposing the toast of "The Programme Service," coupled with the name of Mr. P. Davies, Station Director of 2YA, and Mr. J. Ball, Editor-Announcer of the Radio Broadcasting Company, expressed appreciation of the general standard now maintained by the programme. It was, of course, impossible to satisfy everybody all the time: all that could be hoped for was to satisfy the largest possible number of people all the time. Mr. Brown expressed the view that, since the recent change effected in Australian broadcasting, a noticeable trend towards vaudeville

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had developed in the programmes, and in so far as this gave the opportunity for the transmission of an undue percentage of Yankee twang, he thought it regrettable.

Mr. Ball, in responding to the toast, spoke interestingly of the work of arranging programmes, and quoted some amusing experiences of the inevitable disappointed person on the occasion of some memorable programme. For instance, his recent trip through New Zealand had showed him that his own admiration of the Shakespearean items given by Mr. Byron Brown was endorsed by thousands of other people, but at the same time their correspondence enabled them to produce some dozens of letters from listeners pleading that the company never allow Mr. Byron Brown to again go on the air! (Laughter.) Similarly, in the case of the Wellington Symphony Orchestral Concert, which had been enjoyed by thousands of people who paid for admission, and enjoyed by more thousands of listeners who sat at home, one listener was so disgusted that he made a particular point of calling at the studio the next day and

asking the station director to specially avoid putting such rubbish on the air again in the future! Even so late as that very morning, following on the Maori Pageant so successfully given on Thursday evening, a letter had been received asking that "for Gawd's sake" no further transmission should be given for their Aussie friends on Friday evening. These instances showed that it was impossible to avoid criticism. The radio service differed from specialised entertainments conducted by others, in that it put its programme on the air to be heard by all classes of listeners, and it was impossible that, with that cosmopolitan whole, at any one given time satisfaction could be given to all listeners.

The "Radio Record."

MR. H. E. Taylor, vice-president of the Electrical Federation, added to the formal toast list by proposing the toast of "The Radio Record." In a happy speech Mr. Taylor congratulated the chairman upon the idea of the dinner, and upon the service the paper was rendering listeners and the trade in general.

Mr. Heighway suitably responded, saying that it was the function of the paper to serve, and if they were achieving that function they were happy.

Presentations.

DURING the evening various references were made by many speakers to the excellent work done by Mr. John Galvin, advertising manager of the "Radio Record," in connection with the organisation of the Radio Exhibition. This feeling found expression by Mr. G. Robertson making a presentation to Mr. Galvin of a handsome fountain pen and pencil on behalf of the exhibitors.

Mr. Robertson, in a humorous speech, paid a tribute to the activity and capacity of Mr. Galvin in handling the detail work and lightening the labour of the committee. In point of actual fact the committee had had a comparatively easy time because of the special work of Mr. Galvin. On behalf of exhibitors, therefore, he presented Mr. Galvin with the memento mentioned, and on behalf of the "Radio Record" with a cheque. To Mr. Colin W. Smith,

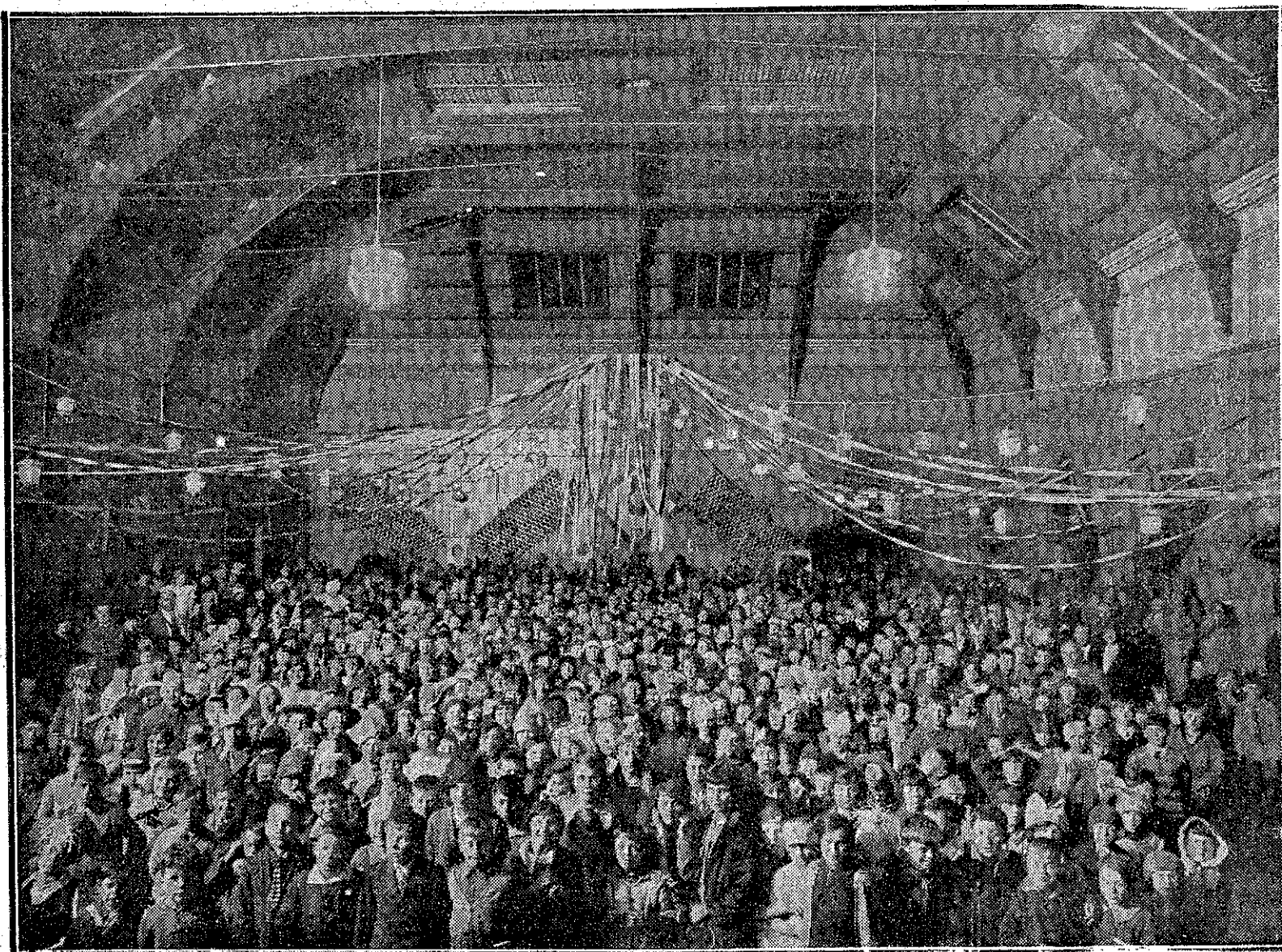
Technical Editor of the "Radio Record," who provided the idea of an exhibition, he also presented a cheque on behalf of the "Radio Record."

Messrs. Galvin and Smith suitably acknowledged the presentation. Reference was also made during the evening to the very valuable services rendered by Mr. C. G. Camp, Secretary of the Electrical Federation, towards the conduct of the exhibition.

Musical numbers were provided during the evening by the Melody Four and some of the leading performers in the Maori Pageant. On the conclusion of the dinner, the bulk of the guests adjourned to the 2YA studio, and witnessed the presentation of the Maori Pageant for overseas reception.

For the Company.

IN responding to the toast Mr. A. R. Harris dealt with several aspects of the radio service. Radio broadcast, he said, opened up an entirely new channel of service. The primary object of a broadcast service should be to disseminate such



Big Brother Bill's Children's Party. Second night of the Dunedin Exhibition.

—Henry C. Gore, Photo.

desirable news, information and entertainment as was already available and should be based on a spirit of co-operative effort with other interests as far as possible, having regard for the listeners' acceptability of the matter to be broadcast. There was ample scope in this new field without need of digression into the operation of other services. Every endeavour was being made in New Zealand to organise for broadcast, such information and talent as already existed, and instead of teaching music to provide talent, or conducting classes to educate lecturers for broadcast purposes, it was obviously more sound to leave this to the musical profession and educational institutions and to co-operate with them. From a national, as well as from a service viewpoint, a co-operative arrangement of this character would enable each and every one concerned to widen their field of activity without overlapping or detrimentally affecting individual interests. Following this policy, every endeavour had been made to feature the broadcast of public functions and in this way those living away from the cities and those in the cities who were unable to attend such public functions were able to keep in touch with current events. This policy meant that a greater number of people than hitherto were kept informed of the progress of events and a greater interest in Dominion affairs was fostered and maintained.

Developing Relays.

BROADCAST of public functions gave variety and under proper regulation increased the diversity of

interests and tended not only to stabilise industry, but also to establish the national consciousness. In broadcast relays, the company had co-operated and was prepared to continue to co-operate as far as it could with those responsible for the functions to be broadcast. In this respect it had in the past supplied vocal and instrumental items for church services and musical organisations. In this, and a number of other ways, it had assisted with a view to helping community interests, and at the same time, making the relay more attractive to its listeners. As far as was known, the New Zealand service was the first to do this. New Zealand was also the first to broadcast direct descriptions of sporting events. Some of the broadcast authorities in other countries were preparing and featuring studio concerts as the primary object of their service. This might be satisfactory where unlimited talent was available, but undoubtedly it was possible for interest in studio concerts to wane as time went on. There was a sameness about them that it was difficult to get away from. From this they would gather that the company was inclined to the opinion that the broadcast service should be developed as a medium of communication for the broadcast of public functions and matters of public interest. At the same time they recognised that studio concerts were of prime importance and particularly was this the case for continuous service. Notwithstanding this, experience led them to believe that relays of public functions were the first preference of the majority of listeners. In the

circumstances they proposed to continue this policy and in this respect they had the valued and essential co-operation of the Post and Telegraph Department.

As they were aware, relays were now being made from between main centres and from places outside main centres; and they hoped that as time went on further relays from additional towns would be made by means of land lines supplied by the department. In this way an increasing variety of broadcast would be possible and listeners would also be able to obtain direct information and entertainment from all over the Dominion. In featuring these relays, however, they would not neglect studio and other performances as it was realised that the evening sessions from 8 p.m. onwards, and other times of the day should feature entertainment. They were very anxious to extend the existing service and to introduce, as soon as possible, from 6 to 7 p.m., dinner sessions of music at Auckland, Christchurch and Dunedin stations on the same lines as the present Wellington sessions.

Just as soon as the company could see its way to introduce dinner sessions at the three other stations, it would do so.

Primary Production.

Mr. Harris proceeded to outline the proposals in connection with primary production on lines already announced.

It was not proposed to prepare matter for broadcast but to organise it from available sources. In this respect they would, if necessary, arrange for land lines where practicable to suitable places such as the various agricultural colleges, universities and so on. This would create atmosphere and make the service even more attractive. Radio would undoubtedly prove a valuable asset to the farming community. Not only would it provide the farmer with entertainment but would also prove instructive to him in his business and probably improve that which the country was so vitally interested in, namely, the development of our primary produce. He commended to dealers the desirability of developing the rural field.

United States Radio

IN the United States there are no less than 238 stations established for purely commercial objects. Colleges and universities have 65 stations, churches and similar institutions, 46; and newspapers own 32. Besides these the exchanges and other business bodies hold 119, factories 19, insurance companies six, hotels nine, and three restaurants each possess a station.

There are also a large number of stations which are the property of electrical companies, who manufacture batteries and other radio apparatus. Theatres have three stations, and two cinemas and a cabaret have one each. In most of the States the police station is equipped with broadcasting apparatus, and in Kansas City, the Boy Scouts, too, have a broadcasting station.

Australian Broadcasting

ALTHOUGH under the conditions of their contract the Australian Broadcasting Company can lessen the hours of transmission, they have decided to increase them by 286 hours per annum. In this connection, too, they have established, as far as possible, a continuous programme of music from one of the stations, right through the broadcasting hours.

Duplication in the transmission of market reports, news service, etc., has always been an undesirable feature, but under the new regime there is to be a change. Where repetition must occur, the announcement will be made in progressive form, bringing the information given right up to the moment.

The music system as set out leaves nothing to be desired, for both the classical and popular taste are catered for. Recitals by symphony orchestras will be a feature, in which the leading instrumentalists of Sydney and Melbourne will take part, and steps have been taken to secure the co-operation of the Conservatorium.

Comprehensive arrangements have been undertaken in connection with church services, and it is the intention of the directors that Sunday night shall be the big night of the week, as on that night more people are interested listeners than on any other.

Indeed, the new regime has set forth a system which caters for all tastes, and no doubt their intention to provide bigger, better, and brighter programmes will meet with the heartiest approval of Australia's listeners.

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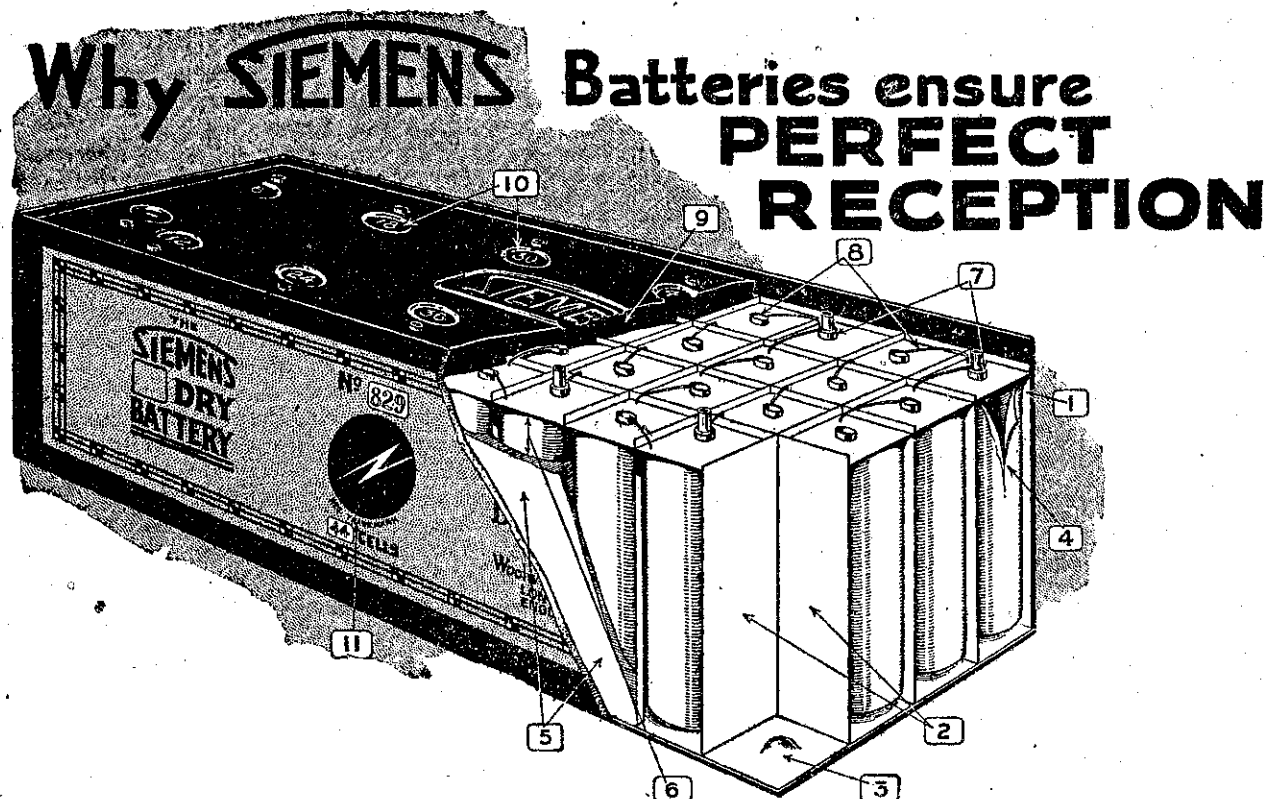
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WELLINGTON, FRIDAY, AUGUST 16, 1929.

THE CO-OPERATIVE SPIRIT IN RADIO.

THE gathering of radio interests at a dinner function on Friday evening last was a happy idea, and proved to be a clearing-house for the exchange of thoughts and the development of mutual better understanding of others' problems. The gathering was in a sense historical. It was, we believe, the first distinctly social gathering at which all the main radio interests of New Zealand were represented. So much co-operation and mutual good-will developed in connection with the Wellington Radio Exhibition that the idea of cementing it by a social function was a natural evolution. In his speech, in reply to the toast of the "Radio Service," Mr. J. Robertson, Acting-Secretary of the Post and Telegraph Department, likened the Department to a referee as between the listener and the Company. It was their function, he said, to administer the regulations and see that fair play obtained as between the Company and the listener. The real hard work of the service was undertaken by the Company, and that naturally lightened their task. They occasionally had to blow the whistle and make suggestions in this direction or that direction.

THIS point was happily commented upon by Mr. Harris in his reply. Humorously, he assured his hearers—and this might be a consolation to listeners, too—that the Department frequently did more than blow its whistle; it exercised definite effective supervision in the interests of the listeners; but, he was happy to say, the Department was in every way ready to co-operate with the Company whenever and wherever co-operation was required. The efficiency of the service given listeners was materially added to by the ready co-operation afforded by the Department. Just as an illustration he cited the fact that the recent relay from Wanganui was made effective at the last minute only by the efficiency of the Department. A misadventure to the land-line occurred one hour before the concert was timed to begin, and communication was lost with Wellington. It was then touch and go whether the concert could be broadcast. The Department, however, rose to the occasion, speedily located the fault and rectified the situation, so that listeners received under highly satisfactory conditions the relay from Wanganui. In other directions as well, the Department afforded definite backing in the interests of listeners and the added efficiency of the service.

THE opportunity was taken by Mr. Ralph, as chairman of the Radio Branch of the Electrical Federation, to place one particular

problem before the Department. This is the vexed question of the date of expiry of licenses at the uniform term of March 31. It was, he said, the definite and strongly held view of dealers that the expansion of radio would be facilitated by an alteration to permit licenses being taken from point to point. He hoped that it would be possible for the departmental heads to go into this matter once more, with a view to seeing whether some efficient means could not be devised to effect this. We can endorse Mr. Ralph's view here. We have earlier pointed out the disability the service suffers by the sudden slump in revenue suffered after March 31. A cure for that position would be beneficial. Mr. Ralph happily remarked that the last twelve months had seen a marked development of the spirit of amity and co-operation in radio circles. It was obvious that with the interlocking of interests the service to the public would be increased and better results, leading to the attainment of the goal of 100,000 listeners, secured more rapidly by working together than in any other way. He was pleased to see the spirit that now obtained.

MR. HARRIS, on behalf of the Radio Broadcasting Company, took the opportunity to review certain aspects of the radio service, and what will appeal most to listeners in centres other than Wellington, he promised that, so soon as circumstances warrant and the Company finds it possible, dinner sessions in particular will be provided at 1YA, 3YA, and 4YA. The popularity that has attended the provision of this service at 2YA makes it certain that this move will be popular, and listeners will sincerely hope that the time will be short till Mr. Harris sees his way clear to make this extension.

ANOTHER point of moment in Mr. Harris's remarks was his brief analysis of the function of radio. It was not its place, he indicated, to develop competitively with other interests. It was its purpose rather to co-operate in every way with established activities. He indicated a decided preference for modern programmes. Frequently the remark is made that classical authors should be put on the air—that extracts from their works should be broadcast with a view to developing the popular taste. While a little of this may be done, Mr. Harris indicated that in his view the radio service would be fulfilling a better function by concentrating upon the diffusion of present-day information, broadcasting actual happenings in our times, encouraging the study of present-day activities, rather than reviving the dead memories of the past. In this Mr. Harris is right. Study of the classics of the past is certainly desirable, but it is not desirable on the air. The student has his opportunity in his own home. The public will naturally prefer the living present to the dead past. Development of present-day activity by an active prosecution of the rebroadcast of public events and extended relays from provincial centres is indicated in Mr. Harris's statement. This is a wise policy, which will expand the service and intensify rural interest.

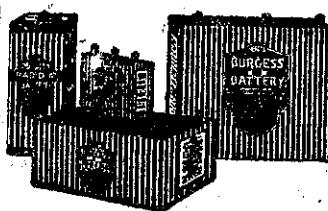
THE Maori Pageant which was broadcast from 2YA on two evenings last week, in commemoration of the second birthday of 2YA, was a distinct success. On both evenings the transmission was good and the performances living and vital. Opportunity to show to the Wellington public the Maori Party in action was taken on Sunday evening at the Tramway Band's concert in the Opera House. A number of choruses and vocal items were given with action by the party. These showed listeners the intensity and vitality that the Maoris impart to their performance. To achieve the spirit of the occasion, even in the studio, they attire themselves in the national garb and carry out the performance with full vigour and swing. This co-operation with the Wellington band was a happy idea, and prompts the thought that on some future occasion it might be possible for a definite concert programme to be staged by 2YA in order to give the public not only a splendid concert, but an intimate touch with broadcasting transmission.

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Grand Opera Enjoyed

1YA to Present "La Traviata"

LETTERS are continually being received by the Broadcasting Company expressing appreciation of the recent presentations of grand opera. There is little doubt that the manner in which gramophone recordings by world-famous artists, supplemented by descriptions of the stories of the operas and an explanation of each record, has given great pleasure to listeners, even to those who have hitherto not been lovers of this form of musical entertainment.

1YA listeners will be interested to learn that the next opera to be presented there will be "La Traviata," which will commence on Tuesday, August 27.

"The May Queen"

An Appreciated Programme

OF all the thousands of people who listened in to the very successful presentation of Sir William Sterndale Bennett's "The May Queen" by 1YA Choir, under Mr. Len Barnes, probably the most interested and most appreciative was Mrs. Macandrew, of Titirangi, near Auckland. Mrs. Macandrew is a descendant of the great composer, and in a note of appreciation for the broadcast performance she says:—

"Just to say how we have enjoyed 'The May Queen.' The performance was certainly a success and reception excellent. We congratulate you and your choir on their initial effort, and hope for a further pleasure later on. Personally, I am always interested in Sterndale Bennett's works, old as they are, being a descendant of his, on my father's side. In my early youth, we had a manuscript copy of 'The May Queen,' and the first performance of it in New Zealand was conducted by my father in Dunedin, Mr. Edward Towsey (Mr. Cyril Towsey's uncle) singing the tenor soli."

Dunedin Exhibition

The Children's Session

A Great Success

GREAT success attended the special children's sessions at the Dunedin Radio Exhibition. The programmes arranged by Big Brother Bill purported to demonstrate the two types used generally at 4YA. On Wednesday, August 1, the opening night of the exhibition, a group programme of 22 Maori children from Otakau, at the end of the Otago Peninsula, gave a varied programme of haka, poi dances, and Maori part songs.

The Maori bairns received a fine reception from the big crowd in the Pioneer Hall, and they certainly deserved the ovation. There was something especially quaint in the sight of the youngsters dressed in ancient Maori mats and feather decorations. And there was something else, especially appealing, in the childish trebles and contraltos singing the old songs of love and war of a warlike race.

Uncle Allan, Aunt Anita, and Big Brother Bill had charge of Wednesday night's session, and the big crowd listening in the hall enjoyed the quips and jokes equally with those listening in their own homes.

ON Friday night, August 2, a programme of individual performers entertained a still larger crowd in the Pioneer Hall. Here again, their appreciation of the songs, recitations, and instrumental items was unmistakable. Rounds of applause greeted each small performer, and the riddles, jokes, and birthday letters were equally subjects of keen and appreciative interest. Aunt Shiela, Uncle George, and Big Brother Bill conducted this session, whilst Mr. Announcer joined in the fun at every opportunity. The laughter and fun in the Pioneer Hall during the children's hour was attractive enough to fill the big hall long before the hour had passed.

Thursday night was, of course, the big night for the radio bairns. It was 4YA's party, and an excellent opportunity of making the acquaintance of all the radio Uncles and Aunts and Big Brother Bill. Six hundred and fifty tickets were issued, and 200 parents allowed seating accommodation around the walls of the Pioneer Hall. It is estimated that 700 children came to the party and 200 parents watched the fun. And it is known that hundreds of children were disappointed, whilst the police had to be requisitioned to keep in order the crowd of parents who failed to get admission after the hall was filled.

The Grand March of the bairns, in multi-coloured paper hats and costumes of every colour and shape, past the judging committee, was a sight to be remembered. "Topsy" won the costume prize, and a most original radio aerial hat, the hat prize.

Following the Grand March, the children took complete charge of the programme. Wherever a radio Uncle, or Aunt, could be seen, they were surrounded by a sea of happy laughing faces. Uncle George mounted a chair, and with a broom handle as baton, led the children in singing "Show Me the Way to Go Home." Aunt Anita

Boxing Match to be Broadcast

Shack v. Delaney

TOM SHACK'S first fight in New Zealand after his arrival from Australia will be against Bobbie Delaney at Dunedin on Friday, August 17. The winner will most probably meet Johnny Leckie.

A description of the Shack-Delaney mill will be broadcast by 4YA, Mr. Harry Divers being the narrator at the microphone. The boxing broadcast will commence at 9 o'clock.

Talks to Farmers

Schedule of Broadcasts from 3YA

FOLLOWING is the list for forthcoming broadcast talks for farmers as arranged by the 3YA Primary Productions Committee:—

August 15: 7.30 p.m., "Seasonable Orchard Work," by Mr. S. Frew, Orchard Division, Department of Agriculture.

August 22: 7.30 p.m., "Wool Production in the South Island," by Mr. G. A. Holmes, of the National Mortgage and Agency Co., Ltd.

August 26: 7.20 p.m., "Farm Chat—Pasture Management," Agricultural Bulletin issued by the Canterbury Chamber of Commerce.

August 29: 7.30 p.m., "Seed Potato Cultivation," by Mr. C. P. Leitch, Fields Division, Department of Agriculture.

September 5: "Farm Forestry," by Mr. R. G. Robinson, Superintendent Selwyn Plantation Board.

September 12: "Milk Fever and Other Ailments of Stock," by Mr. R. R. H. Murray, R.C.V.S., Canterbury Agricultural College, Lincoln.

September 19: "Seasonal Orchard Work from October Onwards," by Mr. J. D. Carolin, Orchard Division, Department of Agriculture.

played "living snake" in the middle of a procession of bairns in another corner. Uncle Allan and Big Brother Bill were roped in by a living chain and compelled to play "Here we come gathering nuts in May." Mr. Announcer acted in his professional capacity and bellowed instructions through a megaphone. And all the time the station director told the world what was happening at the party. It was an uproarious time, but everybody was happy; and although there were ambulance men ready for business they were not given a single case for attention. Tired bairns, and equally tired radio Uncles and Aunts and Big Brother, saw 9 o'clock come with relief. It was a night to be remembered, with soft drinks, biscuits, and lollies to stimulate the memory; and a good preliminary effort towards the great big party which is being planned to celebrate the opening of our new Dunedin station.

Children's Wireless Exhibition

Prizes for Enthusiasts

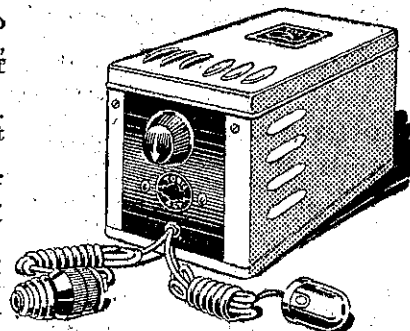
IN connection with the forthcoming Children's Wireless Exhibition which is to be held in the Y.M.C.A. on September 5, 6, and 7, it has been decided to extend the open class competition to include entries by children 18 years and under instead of limiting the age of entrants to 15 years.

This alteration will considerably improve the conditions of the competition and ensure an increased number of entries.

The exhibition, and particularly the competitions, should make a great appeal to all juveniles. There are many classes open to both boys and girls, and the prizes offered are well worth winning. These classes are for the construction of crystal sets, one valve and two-valve sets, and prizes are also offered for the best essays. A special prize of £1 ls. will be given to the boy or girl, 15 years and under, who constructs and exhibits the most economical working set.

The exhibition is being promoted by the 3YA Children's Sessions Advisory Committee, and entries close August 12.

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An Interesting Broadcast

A Happy Little Ceremony

4YA to Open in September

Famous Australian Ventriloquist

Landing of Graf Zeppelin

Wireless for Orphans

A Model Studio

Visits New Zealand

ON tuning in W2XAD, the G.E.C. shortwave experimental station at Schenectady, New York, at 1.25 p.m. (N.Z. M.T.), on Monday, August 5, the arrival of the victorious Graf Zeppelin was being described from the hangar at Lakehurst, New Jersey, by the National Broadcasting Company, and associated radio stations, writes a Christchurch correspondent, "A.E." The popular announcer, John B. Daniels, described the landing, stating that the steel grey bulk of the huge "ship" was looming up like morning mist, before the blinding rays of the huge searchlight, which was installed on the landing ground. The arrival took place at 9.53 p.m., E.D. S.T. It took well over an hour to manoeuvre her into the huge hangar, where she was placed

Big Brother Bill, Aunt Anita, Aunt Shiela, Uncle Allan, and Uncle George were specially invited guests at the Nesbit Home, Waverley, Dunedin, on the occasion of the formal transfer of the five-valve radio set, donated by the Presbyterian Young Women's Bible Classes to the orphan bairns at the home. The ceremony happened on Saturday night, August 3, and the children's staff of 4YA went immediately following the session.

There are about 30 children, infant boys and growing girls in the home, who greeted the radio Uncles and Aunts and Big Brother with great enthusiasm. There was fun, and romping, and laughter in which everybody joined; but the actual formal transfer

THE new studio at Dunedin for 4YA is nearing completion, and the station will be officially opened in probably the third week in September. In point of actual fact, the major part of the equipment was ready for the official opening about the end of this month, but on account of the extensive glass panels used in the layout of the studio, special drapings have had to be procured. It was necessary to procure these from England, but they are on the Port Melbourne, due middle of September. Immediately on arrival they will be placed in position, and organisation is now in train for the official opening in the third week of next month.

MR. WILL HAIGH has recently come from Australia, where he was one of Sydney's leading ventriloquists, and was for some time a prominent entertainer at Station 2KY. Along with his mechanical pal "Johnny," he had



many friends on the air. And even though Johnny could not be seen, his humorous little jokes and songs were always highly appreciated by both young and old. Mr. Haigh has also been a popular worker for charity in Sydney. As well as being a ventriloquist, Mr. Haigh is also a musician, elocutionist, and magician.

Jasper's Concert

Broadcast from 1YA

SPECIAL interest will attach to next Wednesday evening's programme from 1YA, for it will consist of a relay of Jasper's Concert, in conjunction with Messrs. Howie's recital, from the Auckland Town Hall. The Rev. Jasper Calder is too well-known throughout New Zealand to need introduction, and his efforts in connection with the relief of the down-and-outs and poor and needy are appreciated by all. There is no doubt that this concert, enhanced as it will be with a recital by Messrs. Howie's, Ltd., will prove of outstanding interest.

Exide BATTERIES

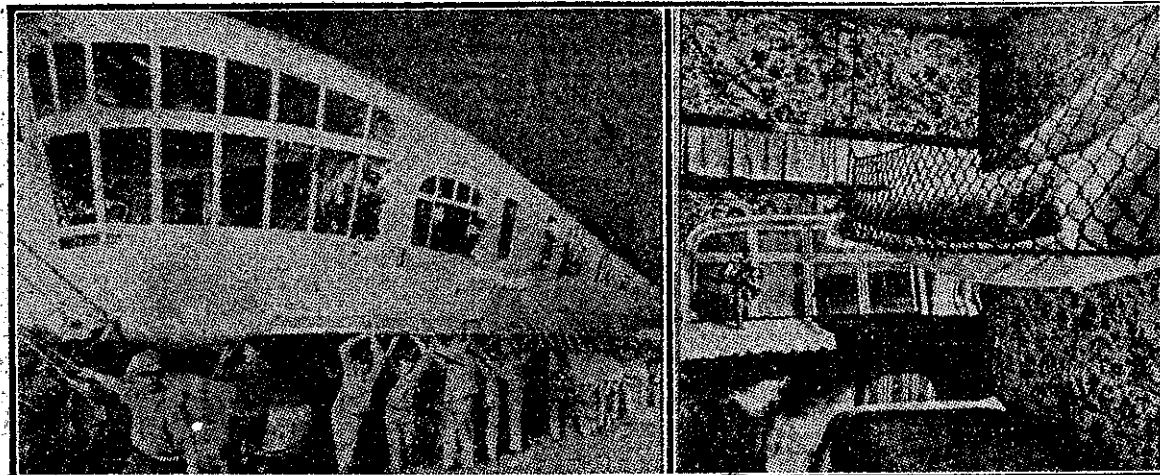
MEAN DEPENDABILITY.

Installed at 2YA Wellington

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EXIDE SERVICE STATION

79 Kent Terrace, WELLINGTON



Right.—Graf Zeppelin commencing trip around world. Left.—Interior of the air liner.

alongside the American airship, Los Angeles, amidst the thunderous cheering and applause of thousands of assembled spectators. Dr. Hugo Eckner, commander of the Zeppelin, who has thrice piloted her safely across the Atlantic, then described the entire flight in his own native tongue, German, it being translated into English, step by step, for the benefit of the English-speaking section of his vast unseen audience.

At the conclusion of this, W2XAD signed off at 11.39½ p.m., E.D. S.T., the announcer stating that their broadcast had been rebroadcast all over Germany. He also asked for reports from German listeners.

At 1.25 p.m., W2XAD was R9, remaining at this until they closed. Excellent strength on speaker and 100 per cent. readable throughout. W2XAF and W8XK were also broadcasting the same proceedings, the former R8-9,

of the gift was in the nature of a striking and happy little religious dedication ceremony. There was complete silence whilst suitable hymns, dedicatory prayers, and a fine little talk was given by one of the Bible class leaders. And there was no incongruous note struck anywhere during the ceremony. The bairns at the home had no difficulty, apparently, in understanding that so marvellous a thing as their radio set should be given with special thanksgiving, and they sat as silent as little mice. But the silence was shattered very speedily after the last quiet words had been said, and the music boomed out of the loud-speaker.

The party broke up at a late hour with both Uncles, Aunts, Big Brother, and the children, thoroughly satisfied with introductions to each other.

The new station will be equal in power to Christchurch and Auckland, and probably in operation will prove to be more efficiently workable than any of the existing stations, because of the favourable layout. The whole of the studio and transmitting apparatus is housed on the one floor, thus conducting to adequate and easy control. A special programme is being organised for the opening night, and as Dunedin is, so far as New Zealand is concerned, the special home of the Scot, it is not unlikely that the Scottish element will constitute a feature of that programme. This will make the occasion memorable, not only to Dunedin residents, but to those of Scottish extraction throughout the Dominion.

"CONTACT" is the organ chiefly interested with the development of aviation in the Dominion. It is concisely written and contains matter interesting to all who have the possibilities of Dominion aviation progress at heart. It should prove no small factor as a stimulant for interest towards what is becoming more and more a part of our everyday life.

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A VERITABLE galaxy of artists will provide the entertainment which is to be relayed from Hastings on Thursday evening, August 22. The Hawke's Bay Radio Society has secured the finest talent available in the district, and a programme will be presented which for quality and diversity will be unsurpassed.

This concert will be relayed to Wellington. 3YA will pick up and rebroadcast 2YA and relay to 4YA. The concert is also to be relayed from Hastings to Napier and presented in the theatre there, by means of loud speakers. This will be the first time in New Zealand that such a dual presentation in two theatres has been attempted, and the venture is a tribute to the enterprise of the Radio Society. The proceeds from the two concerts will be used for the purpose of installing radio sets in the Napier Hospital, and to help the funds of the society.

We append below the full programme arranged by the society. It will be seen that instrumental and vocal numbers have been judiciously selected and carefully arranged. Among the excellent combinations engaged are the Hastings Orphans' Orchestra, the Hastings Citizens' Band, the Maori Agricultural College String Band, the Club Cabaret Orchestra, and the Collegians' Dance Band. The Maoris of the district, both men and women, are contributing generously to the programme.

The vocal and instrumental soloists are of outstanding talent. So also is the male voice quartet, which hails from Napier.

Orchestras and Band.

THE Orphans' Orchestra comprises thirty-four instruments, and is recognised as one of the finest combinations of its kind in the Dominion.

The Maori Agricultural College String Band need little introduction to Hawke's Bay people, but on this occasion they will make their bow to a Dominion-wide audience. They can handle their string instruments as only members of their race can.

The Hastings Citizens' Band are a fine combination, and at the last contest in Wanganui were successful in winning the "B" grade championship. Since then they have improved wonderfully, and are working up to an ideal "A" grade combination.

The Collegians' Dance Orchestra hails from Napier, and will present some lively dance music.

The Club Cabaret Orchestra is a Hastings dance orchestra. Mr. Newton Mitchell, the xylophone soloist, is a first-class performer with much experience in Australian dance orchestras. His turn should go over well.

Brilliant Soloists.

Signor Corredetti is an Italian tenor with a wonderful voice. He is at present in Hastings learning the English language with a view to further stage efforts. A powerful and sweet singer, he is bound to be a favourite with listeners.

Mrs. R. J. Robertson, of Hastings, is one of the finest contralto singers in New Zealand to-day. She studied in the Homeland, and was there billed in the theatres as "the Young Clara Butt." She has a wonderful voice, which is even sweeter than that of Clara Butt herself. If, and one does not hesitate to suggest that she will be a sensation when her fine voice is heard.

Interpolated in the programme will be a five minutes' talk by the Bishop

Hastings Secures Superb Talent for Coming Concert

Diversified Programme to be Broadcast by 2YA, 3YA and 4YA on August 22.

of Aotea Roa. He is president of the Radio Society. His talk will be on Maori history.

Principal A. Ballif, of the Maori Agricultural College, who sings "Sonny Boy," has had much experience on the concert platform in America, but will be making his first bow to the public in Hastings. He is a singer of real class, as may be gathered from the fact that when the programme was being arranged the Radio Society were advised not to miss him at any cost.

Mr. Len. Wood, of Napier, who pro-

vides the comedy, is a born comedian, and listeners can look forward to a happy time when he gets before the microphone.

tainment. The three Maori combinations—the Te Aute and Maori Agricultural College boys, and the ladies of the Awapuni Institute—will sing a part song, and there will be a haka by the Te Aute boys.

PROGRAMME.

National Anthem, played by the Orphans' Orchestra.

Orchestral selection, Hastings Orphans' Club, "Bohemian Girl" (Balfe).

Vocal quartet, Messrs. J. Nuttall, J.

Contralto solo, Mrs. R. J. Robertson, selected.

Orchestral selection, Orphans' Orchestra, "The Smithy in the Woods."

Five minutes' historical talk by the Bishop of Aotea Roa.

Selection, Hastings Citizens' Band, "La Diadem."

Tenor solo, Mr. A. F. Ballif (principal, Maori Agricultural College), "Sonny Boy" (Jolson).

Cornet solo, Mr. R. Taylor, "Australia" (Lithgow).

Orchestral, Maori Agricultural College Orchestra, "Sally of My Dreams."

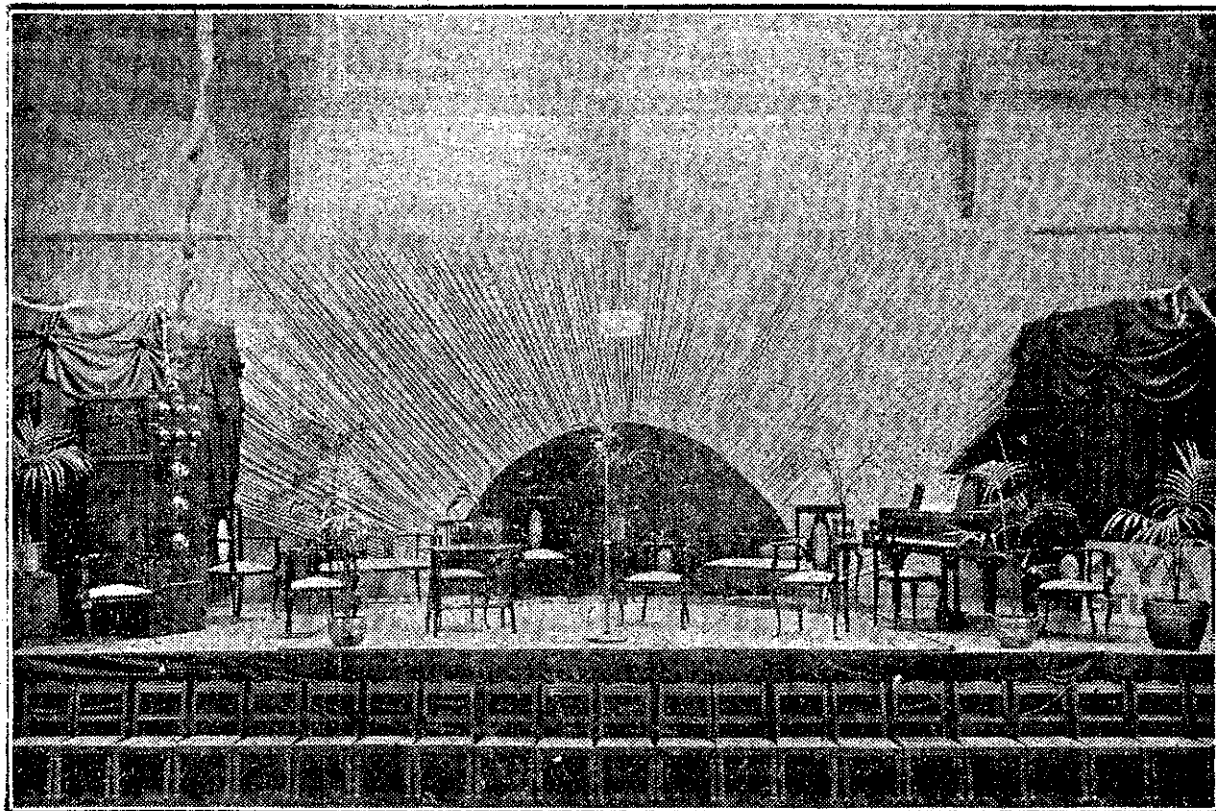
Humorous turn by Mr. Len Wood.

Dance hits, Collegians' Dance Band.

Action song, Te Aute College students, "E, Pari Ra."

Selection, Hastings Citizens' Band, "Lightning Switch" (Alford).

Final chorus, "Heki Heki," by Te Aute and Maori Agricultural College students and Awapuni Women's Institute, with haka by Te Aute College students.



The temporary 4YA studio at the Dunedin Radio Exhibition. —Henry C. Gore, Photo.

vides the comedy, is a born comedian, and listeners can look forward to a happy time when he gets before the microphone.

Fine Maori Items.

THE Te Aute College is one of the best known Maori colleges in the Dominion. In company with the Awapuni Women's Institute, a body of Maori ladies near Hastings, they will give part songs, and will also give the final haka. It is reported that the Te Aute boys' haka this year is really a work of art.

The final items on the programme will be features of the evening's enter-

Edwards, H. C. Thompson, and J. Hill, "Doan' Ye Cry, Ma Honey."

Selected number by the Maori Agricultural College String Band.

Tenor solo, Signor C. Corredetti, "Celeste Aida" ("Aida") (Verdi).

Violin solo, Mr. V. Mummery, "Il Trovatore" (Verdi).

Latest dance music by the Collegians' Dance Band.

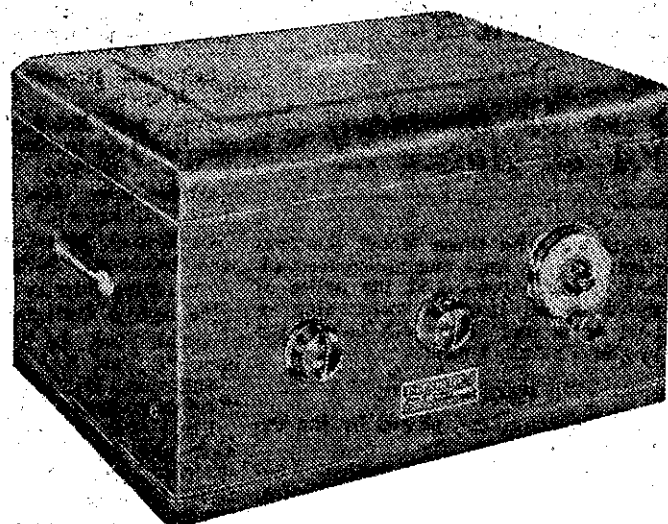
Part song, Te Aute College students and Awapuni Women's Institute, "E Papa Wai Ari."

Music by the Club Cabaret Orchestra, introducing a xylophone solo by Mr. N. Mitchell.

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Range, Quality, Safety, Silence—

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THE COURIER Q.R.3.

There are several points of outstanding interest about this Set—we list them briefly, but suggest you write for the leaflet giving full particulars as this set shows a number of almost unique features. There is no local interference. Both long and short-wave stations on the same Set. A special plug for Gramophone Amplification. A device enabling voice amplification. Portability. As powerful as the 1928 Courier 4.

Price, complete, £27/10/-

All the Australian and New Zealand stations are within easy range if you have the new Courier Electric Screened Grid Radio, Model E.S. And you get a fine clear tone with loudspeaker volume to spare, and a notable absence of interference noises. That is because the materials and workmanship are of the very best—nothing second rate is good enough for the "Courier."

In addition to a first-class radio performance, you can get no end of fun from the special amplification socket. You can put your own voice and the music of your gramophone through the loudspeaker.

No Batteries — No Aerial !

And, of course, with this new Electric Courier you don't have the bother of an aerial or the expense of batteries. You just plug into the light socket, or heating point. The special Courier smoothing circuit supplies the current to the valves at exactly the right power with absolute safety and silence. Send the coupon for Free Leaflet and investigate this splendid Set.

Price, with Valves	£31
Price, with Orphean De Luxe Speaker	£35
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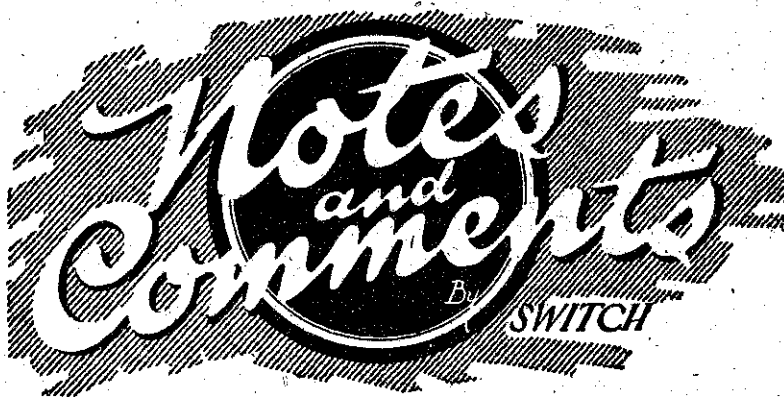
"RESISTANCE" (Foxton) submits a suggestion which valve manufacturers may consider. "The correct value or resistance of a rheostat when a certain valve is being used with a certain battery," he writes, "often puzzles the novice. We are not all electricians, and many of us do not understand the practical application of Ohm's law. Therefore on the printed instructions accompanying each valve there should be stated what value the rheostat should be."

EDISON, the great inventor, has developed in his laboratories a new phonograph record which carries a full thirty-minute programme on each side. It has not yet been released to the public, but its success has been definitely established by broadcast tests. Mr. Theodore Edison, younger son of the "wizard," has for the past few years been devoting himself to the development of the new record, and it is through his work that it has finally reached its successful stage. Perhaps, Mr. A. R. Harris, general manager of the Radio Broadcasting Co. of New Zealand, who is a personal friend of Thomas Edison, may induce him to send him one of the new records for broadcasting purposes.

5CL, Adelaide, has been coming in to Wellington rather well lately. "Switch" was shocked the other night to hear the announcer at the "crow-eaters" big station break up a good programme to fire an advertisement at us about a certain make of player-piano. How long would concert-goers stand advertisements being read out from the stage between items! For instance, "Before Professor Damitski plays 'The Moulton Sonata,' I want to tell you about Madame Vardin's complexion cream."

MR. BASIL KIRKE, whom we all heard describing the All Black football matches in Sydney a few weeks ago through the never-to-be-forgotten rebroadcast by 2YA, Wellington, has left Sydney to take up a position as announcer in Perth, Western Australia, in the interests of broadcast station 6WF, Perth. The average listener found it a mighty difficult matter to discover one fault in Mr. Kirke's description of the football matches. Still, there was one oversight on his part which contrasted with our New Zealand football commentators, and that was his oversight in not mentioning the scores of each side, excepting at long intervals.

A VERY sensitive set when located in Wellington has to contend not only with static, but with severe local electrical noises when it is pushed to its utmost. Therefore when it reaches out for an exceptionally distant station there are countless parasitic noises which prevent any real pleasure being obtained. Thus when on an average efficient set the chief Australian stations are brought in with good loud-speaker strength with, say, very little static, the atmospheric noises increase in volume when a more sensitive set picks up an American station, for instance. There is always a lure in long-distance reception among a certain type of listener, but the average city man is content with good loud-speaker reception from three or four Australian "A" class stations in addition to the New Zealand "YA" stations.



A WELLINGTON listener has asked the writer how many stations he should hear and identify on his multi-valve set, using a suitable loud-speaker. He stated that he had a high, long aerial and good "earth." This can be answered only with one important reservation, and that is the question of locality. Proof, and very convincing proof has been forthcoming that through some obscure reason a certain set will perform a hundred per cent. better at a distance of only a hundred yards from another locality, and vice versa. Not a little also depends upon the individual skill of the operator of the set, not to mention his patience. Providing the valves are in excellent order, the filament and plate potentials correct a couple of dozen stations should be "logged" in a favourable locality. Exceptional sets may increase that number by fifty per cent.

"SWITCH" has just heard of a Petone listener who has been bed-ridden for the past seven years, and the writer can well understand his statement as to what radio means to him. If this should meet the eye of the said listener, "Switch" will be pleased if he will accept the writer's deepest sympathy. "Switch" hopes that he will find many hours of happy solace in listening, and a request for certain advice he sent to a friend of the writer has been attended to.

WE listeners who enjoy good health and strength and are in possession of all our faculties, cannot but realise what a boon listening-in must be to the stricken. It is pleasing, therefore, to mention that the T. G. Macarthy Trust has kindly donated £150 to the Wellington Hospital Board for the definite purpose of extending the broadcast-listening installation at the Hospital to wards not at present equipped. Visitors to the Hospital cannot fail to notice the happy faces of rows of patients lying in bed with their headphones on, enjoying entertainment from 2YA, Wellington, forgetting for the time being their unhappy plight.

LISTENERS who desire to reach out for the various stations available on an average evening, may be guided by the following readings on the writer's tuning dial:—

204, 2YB, New Plymouth; 25 3ZC, Christchurch; 25½, 2ZM, Gisborne; 35½, 2UE, Sydney; 39, 3YA, Christchurch; 41, 2GB, Sydney; 42½, 3UZ, Melbourne; 47, 1YA, Auckland; 49, Japanese station; 51, 2BL, Sydney; 56, 3LO, Melbourne; 60, Japanese station; 62½, Japanese station; 63½, 4QC, Brisbane; 65, 5CL, Adelaide; 72, 2FC, Sydney; 77, 4YA, Dunedin; 81, 2AR, Melbourne; 89, 7ZL, Hobart.

There are other stations, including two or three American, which can be heard occasionally on the loudspeaker, but this is only possible under exceptionally favourable conditions. The writer's tuning dial shows fairly exact readings according to kilocycles, but it was thought advisable to give the conventional dial numbers in the above list.

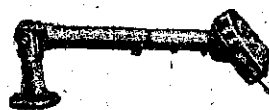
THE question of the identity of the various Japanese stations heard frequently in New Zealand has cropped up again. This is a "hardy annual" and owing to the Jap. announcers being far less active as they used to be in giving their call letters, the position is not so readily cleared up. The writer

is looking for some educated Jap. to come to his home to translate some of the miles of Jap. stuff their announcers hand out to us nightly. Perhaps it is the latest news about the rice crops or dissertations on the national trend of the Jap. ladies to follow the modern dress absurdities of Western nations. Who can tell?

ON a recent morning, to be precise, 12.30 a.m., "Switch" heard the announcer at 2FC, Sydney, state that he would put on two dance items in response to requests from H.M.A.S. Australia. The time was equivalent to 11 p.m. in Sydney. Evidently they listen in rather late on board the big cruiser.

THE writer was present at the 2YA, Wellington, studios on Thursday evening, August 8, when the party of twenty-two Maori men and women from Wanganui gave their unique historical pageant. It was a most picturesque scene, and it is regrettable that the thousands of listeners who heard the delightful entertainment were unable to witness it also. Dressed in Native costumes, winsome Maori maids and stalwart Maori painted warriors performed their hakas and poi dances as though they faced thousands of spectators instead of unseen listeners. As it was, however, on that evening there was a gathering of some sixty guests in the large theatre-like studio, attired in fashionable frocks and evening dress. It was a fine spectacle.

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The B.T.H. Gramophone Pick-up is an exceptionally sensitive and thoroughly reliable instrument. It is capable of translating the impressions on the record into electrical impulses with very faithful results over a wide range of musical frequencies.

The Pick-up is supplied with a specially balanced tone-arm, which is so constructed as to ensure that the correct needle weight is applied to the record.

The tone-arm is telescopic and is capable of extending from 8 to 10 inches, the whole finished in gilt. Special socket arrangements are provided within the £5 tone-arm to take the pick-up. **Retail Price £5**

Ask nearest dealer for demonstration and prove for yourself the superiority of the B.T.H. Pick-up. Entirely British. Made by the British Thomson-Houston Co., Ltd., Rugby England.

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Pioneer Club Singing Auckland Notes

(By "Listener.")

THE Singing Circle of the Wellington Ladies' Pioneer Club which has delighted listeners with entertainments from 2YA on previous occasions, is to give another studio concert at 2YA on the evening of August 19. The Circle has prepared an excellent programme for the occasion, the concerted numbers being "Ghosts of Little White Roses" (Rich), "An Angel" (Rubinstein), "Celtic Lullaby" (arr. by Hugh Robertson), "Fair Spring" (from "Samson and Delilah"), "Fall on Me Like a Silent Dew" (Coleridge Taylor), "Barcarolle" (Offenbach), "From Far Away" (Tuscan folk song), "O Wert Thou in the Cauld Blast" (Mendelssohn), and "Piping Tim" (arranged from old Irish airs). Solo vocal numbers will be contributed by Miss Norah Gray, Miss Zita Chapman, Mrs. P. Ramsay, Mrs. A. S. Mitchell and Miss Fair.

AFTER a week of sickness, the writer again chronicles cheerfully of Auckland doings. And there has been broadcasting fare in the interim well worth the chronicling. First, one must pay tribute to the excellent sporting broadcasts which have come from 1YA during the past few days. The first representative Rugby game was played at Eden Park on Saturday, and the way in which Mr. W. J. Meredith handled the story of the game exceeds anything that he has previously accomplished. It was a thrilling account, and the manner in which the announcer described an electrifying try by Minns would have been an education to Rugby announcers in Australia, if we are to judge them by what we have heard on rebroadcast.

THEN on the Monday came Mr. Gordon Hutter, with his inimitable story of wrestling bouts. Throughout these Mr. Hutter travelled at top

speed, vocally, but never a syllable was missed—nor did he appear to let one incident go undescribed. Humour, description, and explanation were splendidly blended. Even those who care not a jot about wrestling must have enjoyed the description, and must also be grateful that 1YA again sacrificed its silent night in the interests of listeners.

AUCKLAND's license figures are now over the 14,000 mark, but it cannot be long before they pass the next thousand mark, judging from local reports of radio business. At present this is specially brisk, and the demand for "electrics" has surprised even the most optimistic dealers. Local wholesalers are now assembling these latest receivers in their own workshops, and very satisfactory jobs they are turning out. There should be a campaign to encourage the sale of locally assembled sets, which compare very favourably with the imported ones, both in price and quality.

BEFORE the microphone on Tuesday night the 1YA choir made its first appearance, and there were highly critical groups in many homes to hear this latest body of choristers. There is always musical jealousy among some folk, and, in a few quarters the announcement of the formation of the choir was somewhat scornfully commented upon. Now the choir has put to scorn the scorners. Its initial performance was, for an initial performance, a highly creditable one. There was good balance of voices, there were thoroughly competent soloists, and there was evidence of careful training that holds great promise for the future of the choir. With further experience it will be a wonderful asset to 1YA, and Mr. Len Barnes is to be congratulated upon his achievements in the face of many difficulties. All are anxious to hear the 1YA vocal assembly in part songs and glees, where they should excel. Another good relay was provided on Wednesday evening, when the Piano Students' Association gave a fine concert in the Lewis Eady Hall.

CRYSTAL listeners were disappointed at the prospect of not being able to hear the big Maori Pageant from 2YA at the end of this week. That disappointment has now been turned to delight at the announcement of a rebroadcast of 2YA by 1YA. The idea of presenting the second delivery of the pageant late on a Friday night is an excellent one, for there are many city toilers who have to travel to suburban homes after 9 p.m. on Fridays, and who, under ordinary circumstances, hear little from the local station on that evening. They will sit up late tomorrow night, undoubtedly.

THE gramophone recitals from 1YA continue to earn high encomiums from that big body of listeners who appreciate good music. Some, of course, merely because the gramophone is being used, become ignorantly critical, but they are becoming weekly a smaller body, for these recitals are playing a fine educative part in cultivating a taste for good music among people who little realised what this was a few years ago. It is to be hoped that our gramophone feature night will long continue

Maori Pageant

Great Reception at Tramways Concert

AS a fitting finale to the Maori pageant given from 2YA on the evenings of Thursday and Friday last week, members of the Maori party attended the concert given in the Opera House by the Wellington Tramways Municipal Band on Sunday evening, and gave some of their vocal numbers with action. Due to the announcement beforehand from 2YA of this procedure, there was an exceptionally large audience. Hundreds of people were turned away, unable to obtain admittance, and in the house itself every possible vantage point was packed with humanity. The reception accorded the Maori performers in their various items was overwhelming, and a tremendous tribute to their popularity. This reception indicates that, should it ever be contemplated to put on a Maori performance in Wellington, the success would be outstanding.

Special Message of Appreciation.

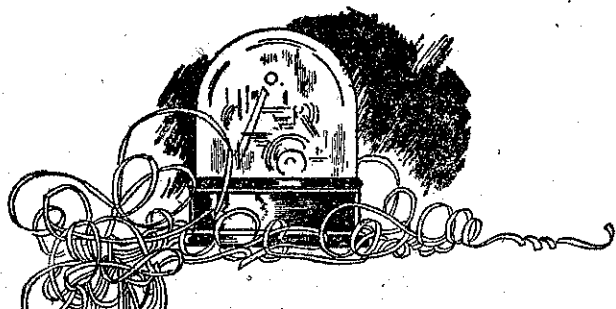
SO successful was the Maori pageant given by 2YA on Friday evening in the opinion of the Byrd Expedition that a special message of appreciation was cabled to the American Press by the Commander. The publicity thus given to New Zealand is of tremendous import. The message was as follows:

Bay of Whales, August 9.

We attended a Maori festival last night in New Zealand. At least we heard it as plainly as if we had been there, for it was broadcast from Wellington and reached us more clearly than any programme has come through in a long time. It was so well done that we stayed awake from 11 p.m. until 2 o'clock in the morning, and we were sorry when it was finished. It represented the history of the Maoris since their landing in New Zealand more than 900 years ago, and in song and story traced their tribal life till the coming of the British and the final peace between the two races on the common ground of British citizenship. The ancient songs of the Maoris, to the accompaniment of their primitive instruments and chants and dances, reached us perfectly. With their wild rhythm they never had a more appreciative audience, even though unseen. Everyone was in bed with only candles and a lantern burning. But for the time we seemed far away from the ice.

Message of Thanks.

The following radio message, sent via the steamer Eleanor Boling, addressed to station 2YA, Wellington, was received on Saturday by the Chief Telegraph Engineer (Mr. A. Gibbs):—"Your broadcast came in perfectly. We heard every word, and enjoyed it beyond measure, and I want to send you the very sincere appreciation of every one of us. Will you please thank personally for us every one of the performers who joined in giving us so much pleasure? Perhaps, when we return, we will get a chance to thank some of them in person. Kia Ora.—Richard E. Byrd."



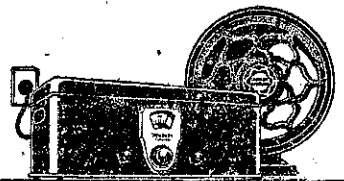
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Broadcast Music for Coming Week

" 'Tis the deep music of the rolling world,
Kindling within the strings of the waved air—
Aeolian modulations."

—Shelley.

By
Bolton
Woods

A Childish Heart.

TSCHAIKOVSKY has left it on record that while he was composing his "Nutcracker Suite," which is among the happiest and most cure-free of all his music, he was himself in a thoroughly depressed frame of mind. No hint of the dismal mood, however, has found its way into the music. It was composed originally for a ballet by Dumas the elder, with the name "Histoire d'un Casse-Noisette" ("The Tale of a Nutcracker"), in 1891, and in the following year Tchaikovsky arranged the movements in the form of a suite. In the first movement, the overture, there are two principal themes, both of a delicate, almost miniature type, the first especially being prominent throughout the movement. Next comes a little "March," then a movement with the happy title, "Dance of the Sugar Plum Fairy," then a series of dances, Russian, Arabian and Chinese, followed by a "Reed Pipe Dance." The last movement is a waltz, usually called the "Waltz of the Flowers," which is composed of a fine flowing waltz tune, such as Tchaikovsky knew very well to write.

The record of the overture and the waltz will be played at 2YA on Friday, August 23.

"The Waltzing Doll."

A NATIVE of Budapest, having been born there in 1869, Eduard Poldini can be considered one of the most popular composers, as regards his operettas, ballets and his fascinating pianoforte pieces. He studied first of all at the Hungarian Conservatory, and later at Vienna, in France and Germany. One of his best-known compositions is his "Poupee Valsante" ("Waltzing Doll"). With extraordinary cleverness this piece depicts the mechanical, almost jerky movements of the little waltzing doll. The

work is a charming trifle, and the composer has caught exactly the comic spirit of the awkward movements of the little automaton.

The 3YA Broadcasting Trio will play Poldini's "Poupee Valsante" on Monday, August 19.

Interrupting a Game of Marbles.

ONE day the conductor of a Croydon theatre orchestra, looking out of his window, saw a little curly-haired black-faced boy holding a small-sized violin in one hand and playing marbles with the other. He called him in, put some music before him, and was delighted to find that he could play it in perfect time and tune. From that moment the child, whose name was Samuel Coleridge-Taylor, was earmarked for music. While he was still at school he led the class-singing with his violin, and began to appear in public. Some years later he was enrolled by a local benefactor as a student of the Royal College of Music. While still a student at the college, the youth produced the first part of his now famous "Hiawatha"—a work which exhibited both racial and individual qualities, and attracted immediate attention. It was first produced when he was twenty-three, and it is unfortunate that, like Purcell, he died at the early age of thirty-seven.

The Woolston Band will play "Demande and Reponse," by Coleridge-Taylor, at 3YA on Monday, August 19, and the Bohemian Quintet will play "Four Characteristic Waltzes," by the same composer, at 3YA on Wednesday, August 21.

From Care-Free Vienna.

KREISLER'S beautiful old Viennese dance melodies have delighted thousands of music-lovers who have heard them. There is a plaintive appeal in these dance melodies of a far-off time, recalling the festivities of other days, when the waltz rhythm was a newly-discovered delight. They come with much of the charm inseparable from folk music, and bear the unmistakable stamp of their Viennese origin. A wealth of lovely music comes to us from Vienna—its unapproachable waltzes, its delectable operettas with their rhythmic and melodic charm quite unlike the music of anywhere else. There seems to be an underlying native beauty of tune, which, in a thousand forms, appears and reappears in Viennese music.

A rendering of Kreisler's "Liebesfreud" (Love's Delight), played by the composer himself, will be used at 3YA on Sunday, August 25.

The Piano's Ancestor.

"LE TAMBOURIN" is a quaint old tune written in the eighteenth century, and for the harpsichord, by Rameau, one of France's greatest musicians. It is music of an older

time. In its original form it took on life and colour from the varied voices of the ancient instrument for which it was written. These variations in tone-colour were obtained by a variety of "stops" or "pedals" which caused the strings of the harpsichord to be engaged by devices, made by various materials for plucking of the strings, thus securing different kinds of tone. Rameau calls it "Tambourin," and it is precisely the simple sort of music that the limited range of the tambourine suggests, but it is immensely expressive.

Miss Irene Morris will play Rameau's "Le Tambourin" at 2YA on Friday, August 23.

Spain Musically Portrayed.

IBERIA is the old name for Spain. Albeniz (1860-1909) wrote for the pianoforte a suite of twelve pieces, to which he gave this title, each descriptive of Spanish life. Several of these were orchestrated by his friend, Enrique Arbos. The three best known, and usually performed pieces are (1) the "Evocation," a sort of synthesis or generalisation of Spanish feeling, as a prelude; (2) "El Corpus en Seville," the festival of Corpus Christi, with all manner of rejoicing, a suggestion of the devotional side of the feast, and at the close, the peace of night; (3) "Triana," a suburb of Seville, in which many gipsies live. It is absolutely Spanish, savage and tender by turns, a work which becomes more and more fascinating the oftener one hears it.

A record of the last movement, "Triana," will be used at 2YA on Monday, August 19.

A Folk Legend Opera.

WEBER was uncommonly successful in catering for the early nineteenth century German taste in opera, which lay in the direction of folk legends, tales of romantic and chivalrous deeds, and homely sentiment. The opera "Der Freischütz" (The Marksman or The Freeshooter) is about mysterious deeds of black magic, the romantic love of a huntsman, and the machinations of his rival—a capital plot for those who like their opera hot and strong and do not trouble much about its possibilities and probabilities. The story follows the conventional taste of the day in that virtue is triumphant over evil in the end. "The Marksman" went down at the first performance, so Weber wrote, with "incredible enthusiasm." I was called before the curtain, . . . verses and wreaths came flying up. *Soli Deo gloria.* Yet the great success and popularity of his opera was of no financial profit to Weber, who had sold the rights outright for a ridiculously small sum. The overture is built on melodies sung in the opera.

A record of the overture to the opera will be used at 2YA on Tuesday, August 20.

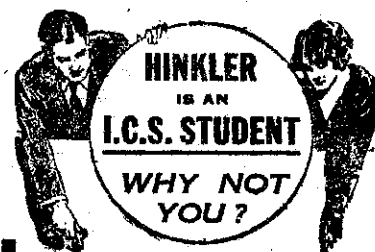
Chopin at His Best.

THE charming "Scherzo in C Sharp Minor," Op. 39, by Chopin, is a singularly beautiful work in which the chief subject is a kind of choral, interrupted here and there by what might be described as a cascade of shimmering tone, lace-like in its delicacy. There are sweeping arpeggios full of changing harmonies, which were once described by a prominent writer as "like the lovely laughter of the windswept wheat." Truly a most exquisite work.

Mr. Eric Waters will play this "Scherzo in C Sharp Minor" at 1YA on Friday, August 23.

For Sale or Exchange.

See page 32 for column of casual advertisements.



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Next Week's Features

1YA Features

THE service to be held in Pitt Street Methodist Church will be broadcast on Sunday evening. The Rev. W. Walker will be the preacher. A studio concert will follow. The local vocalist will be Miss Molly Atkinson (mezzo-soprano), Mr. R. Stephenson (baritone), while elocutionary numbers will be given by Miss Maisie Carte-Lloyd. Special recordings will include orchestral, organ, band, violin, and pianoforte solos.

Three talks will feature 1YA's programme on Tuesday evening—"Motoring" (by Mr. George Campbell), "Artistic Physical Development" (by Madame Edith Milne), and "The Lighter Side of Journalism" (by Mr. Haycock).

MADAME HUMPHREY STEWARD'S Octet will provide the vocal portion of the musical programme on Tuesday evening. One particularly fine number by the whole party will be "Cherubic Host" (from Gaul's "Holy City"). Miss Mavis Grevatt, harpist, will share in the rendition of this item. A second concerted number will be the favourite "Carry Me Back to Old Virginny." A fine series of operatic solos will be sung, the soloists being Mrs. Brinsden, Miss Doris Gower, Miss Ida Holmes, Miss C. Pringle, Miss D. Moore, Miss Alice Taylor, and Mr. Frank Sutherland. The operas from which solos will be sung will be "Les Cloches de Corneville," "Mignon," "Bohemian Girl," "Gondoliers," "Faust," "Hindoo Song," "Magic Flute," and "Madame Butterfly." There will be a duet from "Norma." Instrumental numbers will be played by Miss Grevatt (harpist) and the Studio Trio, while there will be a relay of the overture from the Majestic Theatre.

On Friday evening Mr. Frank Sutherland will give a further talk on Rugby football.

FRIDAY evening's programme will open with a half-hour's relay of a concert arranged by Lewis Eady Ltd. A studio concert will follow. There will be vocal numbers—solos and a duet—by Mr. Len Barnes and Miss M. O'Grady. Mr. Barnes will sing Rachmaninoff's "At Night" and Schumann's "Two Grenadiers." One of Miss O'Grady's songs will be with flute obligato by Mr. A. Dunn. Mr. Dunn will also play a fantasia from "Il Trovatore." The Studio Trio will play

MR. DRAYTON VENABLES, the popular baritone, will be welcomed on Saturday evening's programme. He will sing "Love of Shadows," "Bravest Eyes," "Ninetta," and "Entre Nous." Mrs. B. Jellard (contralto) will sing "My Ain Folk," "My Dear Soul," and "Just Because the Violets." Other vocalists will be the Bohemian Duo, singing Maori melodies. Elocutionary items will be given by Miss Rhona Speed, and there will be novelty piano numbers by Mr. Gordon Johnson.

Collins. At 8.15 p.m. approximately, from the Grand Opera House, the recital of the Port Nicholson Silver Band will be relayed. The conductor on this occasion will be Mr. J. J. Drew.

The orchestral items will include the overture "Chal Romaro," Sanderson's "Russet and Gold Suite," a "Serenade" by Chaminade and one by Herbert. The concluding number will be Tchaikowsky's "Dornroschen" Waltz.

ON Tuesday evening a bright "popular" programme will be presented, the assisting artists being Miss Anne Davies (soprano), Mr. G. Madigan (bass), Miss Lily Charles (popular songs), and Ajax and Bejaz, a new combination, will be heard in two humorous sketches concerning the troubles of "Cohen" of telephone fame.

Miss Anne Davies will be heard in two musical comedy excerpts, "Under the Deodar" from "The Country Girl" and "The Grey Dove" by that well-known composer, Ivan Caryll. He will also sing the ever-popular ballad, "Jeannine: A Dream of Lila Time."

Mr. G. Madigan, who will sing on Tuesday evening, is a newcomer to radio. He is a rising young bass from the studio of Signor Caesaroni. His items will be "Old Barty" and "Four Jolly Sailormen."

Two numbers from the popular musical comedy, "The Show Boat" and a popular song, "I'm Waiting for Ships That Never Come In," will be Miss Lily Charles's solos on Tuesday evening. Miss Charles is a popular young artiste who can always be depended upon to give a pleasing rendition of her items.

On Thursday evening the concert to be given by the Hawke's Bay Radio Society will be relayed from Hastings.

FRIDAY evening's programme will feature the Philharmonic Quartet in vocal gems from Monckton's sparkling musical comedy, "The Country Girl." The soloists will be Miss Ena Rapley (soprano), Mr. Arthur Brady (baritone), Mr. Edwin Dennis (tenor), and Miss Madge Freeman (contralto). The humour of the evening will be in the capable hands of Mr. and Mrs. Albert Russell, whom all listeners always enjoy. The orchestral items will include a selection from "The Country Girl," a musical comedy selection by Herman Finck entitled "Merely Molly," Austin's "Interlude from 'The Beggars' Opera,'" and "The Little Dutch Girl" selection by Kulman.

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MR. L. C. QUANE.
A popular tenor from 3YA.

—Steffano Webb, photo.



Miss Kay Christie, contralto, and one of the city's most promising singers.

—Photo S. P. Andrews.

the "Danse Macabre" and Dvorak's "Slavonic Dance No. 3."

A play, "The Monkey's Paw," and the Tidal Scene from "The Merchant of Venice," will be presented on Friday evening by the Auckland Dramatic Students' Association.

Bright music will be played by the Studio Orchestra.

SOME new artists, including a boy soprano, Master Desmond Casey, will appear on Thursday evening. Master Casey will sing "Only the River Running By," "The Minstrel Boy" and "Love's Old Sweet Song." The other new soloists will be Miss Margaret Beaumont (soprano), Miss Phyllis James (contralto) and Mr. Charles Reader (baritone). They will present a very enjoyable programme, to be augmented by popular singing by the Snappy Three. The Studio Orchestra will play "Florodora," Luigini's "Ballet Russe" part 1, "The Phantom Brigade" and Ketelbey's "Scenes from the Kinema."

On Thursday evening at 7.40 Mr. N. M. Richmond, of the Workers' Educational Association, will talk on "The Modern Age—as John Galsworthy Sees it."

2YA Features

ON Sunday evening the service of the Vivian Street Baptist Church will be relayed, the preacher being the Rev. F. E. Harry, the choirmaster, Mr. J. R. Samson, and the organist, Mr. Chas.

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Act 4 of the opera "Carmen" will be presented by means of gramophone records with full description by the announcer.

ON Saturday evening a vaudeville programme will be given. The orchestral items include the overture "The Crusader," a cornet and trombone duet by Messrs. Sneddon and Capes, entitled "Watchman, What of the Night," an orchestral novelty "Two Brass Men," and a musical comedy selection "Queen High." The Melodie Four will be heard in songs and concerted numbers, both grave and gay. An item of outstanding interest will be the first appearance of Will Haigh and his pal Johnny. This will be a ventriloquist turn. Mr. Haigh has appeared with success at several of the Australian broadcasting stations and his items will certainly create a good deal of interest and curiosity amongst listeners. Mr. Len Ashton, the popular entertainer, will present two humorous numbers, "Them Were Days" and "Don't Do That to the Poor Puss Cat." Mrs. Mildred Kenny's Steel Guitar Trio will be heard in several Hawaiian numbers, adding further novelty to an already entertaining evening.

3YA Items

CHRISTCHURCH Anglican Cathedral evening service will be broadcast on Sunday, commencing at 7 o'clock. Prior to the Cathedral service there will be a studio concert, commencing at 6.30. Miss Nellie Lowe (contralto) and the Studio Trio will contribute.

Mr. E. J. Bell, public librarian of Christchurch, will give his fortnightly book review on Monday evening.

The programme arranged by Mr. R. J. Estall of the Woolston Band for Monday evening comprises two marches "Duntroon" and "Rearguard," the intermezzo "In a Persian Market," a collection of Border songs and ballads, trombone solo with band accompaniment and a foxtrot, "That's Her Now."

The vocalists engaged for Monday evening are Mrs. Moana Lawrence, Miss Elizabeth Vass and Mr. Robert Allison. Two recitations will be given by Mr. Harold Shaw and instrumental numbers will be played by the Studio Trio.

LOVERS of good music will find Wednesday's programme much to their liking. There will be operatic numbers taken from "Maritana," "Merrie England," "Faust" and "Veronique." On the miscellaneous side of the programme will be such fine solos as "On the Road to Mandalay" and "The Death of Nelson." The vocalists will be Miss Corrie Aslin, Miss Dulcie Mitchell, Mr. H. Blakeley and Mr. J. Graham Young. Instrumental items will be played by the Bohemian Quintet.

On Wednesday evening Mr. Sydney Francis Hoben will give another of his

lecture-recitals which prove so popular.

On Thursday evening 3YA will re-broadcast the concert to be presented by the Hawke's Bay Radio Society.

A MISCELLANEOUS programme, to be followed by a dance music session will be broadcast on Friday evening. Mrs. Ralph Sierakowski, Mr. Arthur T. Couch and Mr. Bernard Rennell will be singing, also Mr. Jock Lockhart who will be heard in his always popular Scottish songs and patter. Duets to be sung by the Dandy Duo will be "A Paradise for Two" (from "Maid of the Mountains") and "The Keys of Heaven."

A talk by Mr. D. E. Parton, telegraph engineer, will be given on Friday evening. This will be another of the very interesting series of lectures on "Tree Trimming."

SATURDAY evening's programme will be an entertaining vaudeville concert. Soprano and tenor vocalists will be Mrs. L. B. Salkeld and Mr. W. J. Trewern respectively. Mr. Charles Lawrence, the entertainer, will be contributing, also Mr. George Titchener. Miss Elaine Moody's Hawaiian Instrumental Trio will be welcomed, and Mr. Les Grummitt, who has not appeared at 3YA for some time, will play some of his very clever improvisations on the piano.

4YA Items

THE service in Moray Place Congregational Church will be broadcast on Sunday evening. The Rev. Albert Mead, M.A., will be the preacher. A relay of the concert to be given by the Artillery Band in His Majesty's Theatre will follow.

KERKER'S famous musical play "The Belle of New York" will occupy the second half of Monday evening's programme. It will be presented by The Majors, under the direction of Mr. T. J. Kirk-Burnham. The first half of the programme will consist of miscellaneous items, the soloists being Miss Freda Elmes, Miss Dorothy Skinner, Mr. J. Montague, and Mr. L. M. Cachemaille, singing "One Morning Very Early," "Death and the Maiden," "Little Yvette," and "Waiata Maori," respectively. There will be items by the Studio Trio.

On Tuesday evening Mr. Lloyd Ross, M.A., LL.B., will give a talk under the auspices of the W.E.A. on "The Machine Age."

A POPULAR programme will be presented by the St. Kilda Band on Tuesday evening. The items will include two marches, "The University" and "Guard of Honour," a fantasia "Military Church Parade," a selection "Sanderson's Popular Songs," Raymond's "Rose Garland," and "The Bells of Blighty" waltz. There will also be a cornet solo, "Somewhere a Voice is Calling." The vocalists for

the evening will be Miss Lettie de Clifford and Miss Mary Somerville. Elocutionary numbers will be given by Miss Sheila Neilson.

On Wednesday evening the Dunedin Burns Club will celebrate the Sir Walter Scott anniversary with a concert in the Early Settlers' Hall. This entertainment will be relayed by 4YA.

On Thursday evening 4YA will broadcast the Hastings concert.

Mr. H. Greenwood, librarian at the Athenaeum, will give his "Book Review" on Friday evening.

The 4YA Harmonists will provide the vocal portion of the musical programme on Friday evening, concerted as well as solo numbers being given. The instrumentalists will be the Studio Trio.

Saturday evening's programme will be relayed from 3YA.

Children's Sessions

AT 1YA.

TUESDAY, AUGUST 20.

Very special stories from Uncle George and birthday greetings. Songs and recitations from cousins.

WEDNESDAY.

Uncle Tom in a happy mood, and our boy soprano, Kirk, with solos. Also duets from Kirk and Joan.

THURSDAY.

Peter Pan and Cinderella will conduct the Hour from the Ranges, so get ready Radio Family to climb up there with them and visit the shack. Mouth-organ music from Esenelle.

FRIDAY.

Nod and Aunt Jean invite the boys and girls to accompany them to Radioland this evening and to share in the fun and join in the singing.

SATURDAY.

The orchestra from Mount Albert Grammar School will provide the music, so that is something to look forward to. Cinderella will have stories to tell and puzzles to keep the little folk thinking.

SUNDAY.

Children's Song Service, conducted by Uncle Leo, assisted by the Beresford Street Sunday School.

AT 2YA.

MONDAY, AUGUST 19.—Our cheery friends—the boys of the Mouth Organ Symphony Orchestra—will have some more jolly tunes for Radioland to-night. And Little Cousin Betty with her charming recitations will be here with Uncle Jeff, who will have more puzzles and greetings.

TUESDAY.—Three clever little Welsh Cousins are coming to the Studio to-night to sing and recite. Their names are Irene, Gwendoline, and Glyn. Uncle Jim will have a new story and many cheery greetings to give.

THURSDAY.—Cousin Margaret will have songs and poems for Radio family to-night. Cousin Dorothy will sing a little song and play merry tunes on the vibraphone. Greetings for the little folk from Uncle George.

FRIDAY.—Cousin Marjorie will sing to-night, Norma and Don will recite, and Raymond and Theo play

pianoforte duets. What a jolly little party they will be. Then there will be Big Brother Jack to complete the happy hour, with Robinson and his merry crew.

SATURDAY.—The pupils of Miss Joy Hoare are once again coming to entertain Radioland, and then there will be greetings from Uncle Toby and Aunt Gwen.

SUNDAY.—The children's song service will be conducted by Uncle George, assisted by Cambridge Terrace Congregational Sunday School Choir under Mr. Reynolds.

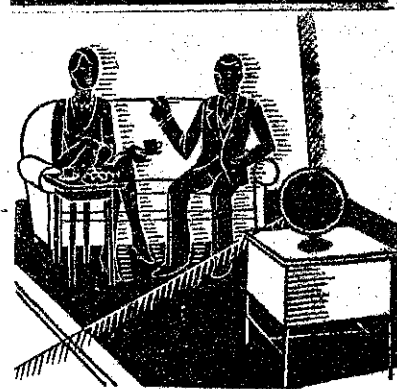
AT 3YA.

MONDAY, AUGUST 19.—Hear something fresh about the windows of your own and other people's homes. To-night Scatterjoy will tell you some surprising facts about a simple pane of glass. Also, special fare for any one obliged to spend some time in Blanket Bay, Bedfordshire, and Pillowland. Good games you can play without putting so much as a finger nail outside the bedclothes.

WEDNESDAY.—Mother Hubbard and Uncle Frank, with fresh songs and stories to fill this hour with gladness for all.

THURSDAY.—To-night the pupils of Miss Naare Hooper are coming along to help Uncle John cheer you.

FRIDAY.—Storyman arrives to-night with a big bag full of lovely gramophone songs and music—and he always has such lovely stories to tell you, young and old!



The end of a pleasant evening ~

Is always marked by a cosy little supper. Next evening YOU have, serve dainty golden brown cakes and scones of your own baking. A few spoonfuls of—

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Full Programmes for Next

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Sunday, August 18

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, AUGUST 18.

- 3.0 : Afternoon session—selected studio items.
 4.0 : Literary selection by the Announcer.
 4.8 : Studio items.
 4.30 : Close down.
 6.0 : Children's session, conducted by Uncle Leo.
 6.55 : Relay of service from Pitt Street Methodist Church:
 Preacher: Rev. W. Walker.
 Organist: Mr. Bickerton.
 Choirmaster: Mr. W. Leather.
 8.20 (approx.): Studio concert:
 Orchestral—Columbia Symphony Orchestra, "Maritana" overture (Wallace) (Columbia Record 02682).
 Mezzo-soprano solo—Miss Molly Atkinson, "Flower Song" ("Faust") (Gounod).
 Organ solos—Quentin M. McLean, "Merchant of Venice" suite (Rosse): 1. Prelude; 2. Intermezzo; 3. Oriental March (Columbia Record 02706).
 Recital—Miss Maisie Carte-Lloyd, "A Lonesome Boy."
 Baritone solo—Mr. Roy Stephenson, "Light in Darkness" (Cowen).
 Violin solo—Efrem Zimbalist, "Oriental" (Cue) (Columbia Record 03624).
 Soprano solo—Miss M. Atkinson, "When'er a Snowflake Leaves the Sky" (Lehmann).
 Pianoforte solo—Percy Grainger, "Molly on the Shore" (Grainger) (Columbia Record 03575).
 Recitals—Miss M. Carte-Lloyd, (a) "The Two Bank Notes"; (b) "Broken Toys."
 Baritone solos—Mr. R. Stephenson, (a) "A Song of Surrey" (Lohr); (b) "Youth" (Allitsen).
 Band—H.M. Grenadier Guards, "Wreaths on the Sea" (Carlton) (Columbia Record 01346).
 9.45 : Close down.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, AUGUST 18.

- 3.0 : Afternoon session—Selected studio items.
 4.30 : Close down.
 6.0 : Children's song service, conducted by Uncle George.
 7.0 : Relay of service from Vivian Street Baptist Church:—
 Preacher: Rev. F. E. Harry.
 Organist: Mr. Chas. Collins.
 Choirmaster: Mr. J. R. Samson.
 8.15 (approx.): Relay from Grand Opera House of recital by the Port Nicholson Silver Band.
 Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, AUGUST 18.

- 3.0 : Afternoon session—Selected gramophone items.
 4.30 : Close down.
 5.30 : Children's song service (children of the Anglican Sunday Schools).
 6.15 : Hymn chimes from the studio.
 6.30 : Studio programme:
 Contralto solos—Miss Nellie Lowe (a) "One Little Hour" (Sharpe); (b) "When the Stars Were Young" (Rubens).
 6.35 : Instrumental—Christchurch Broadcasting Trio, "Trio in C Minor"—Allegro Energico con Fuoco" (Mendelssohn).
 6.47 : Contralto solos—Miss Nellie Lowe, (a) "Rest of the Weary" (Shaw); (b) "Wait" (D'Hardelot).
 6.53 : Orchestral—Edith Lorand Orchestra, "Liebesfeier" (Weingartner) (Parlophone Record A4040).
 7.0 : Relay of service from Christchurch Anglican Cathedral:—
 Preacher: Archbishop Julius.
 Organist and Musical Director: Dr. J. C. Bradshaw.
 7.15 (approx.): Rebroadcast of 2YA, Wellington (relay from the Grand Opera House of recital by the Port Nicholson Silver Band, under the conductorship of Mr. J. J. Drew).
 Close down.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, AUGUST 18.

- 3.0 : Town Hall chimes.
 3.1 : Selected gramophone items.
 4.30 : Close down.
 5.30 : Children's song service, conducted by Big Brother Bill.

- 6.30 : Relay of service from Moray Place Congregational Church:
 Preacher: Rev. Albert Mead, M.A.
 Organist: Mr. McMillan.
 Choirmaster: Mr. Towns.

- 8.5 : (approx.). Relay from His Majesty's Theatre of concert by the Artillery Band.
 Close down.

Monday, August 19

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, AUGUST 19.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, AUGUST 19.

- 3.0 : Chimes of the G.P.O. clock.
 3.1 : Selected studio items.
 3.40 : Relay from Messrs. Kirkcaldie and Stains' Tearooms of music by the trio.
 4.30 and 4.50 : Sports results to hand.
 4.55 : Close down.
 5.0 : Children's session, conducted by Uncle Jeff.
 6.0 : Dinner session:
 Overture—National Symphony Orchestra, "Die Fledermaus" (Strauss) (Zonophone Record F25).
 Soprano solo—Lucrezia Bori, "Ciribiribin" (Waltz Song) (Pestalozza) (H.M.V. Record DA900).
 6.12 : Tacet.
 6.15 : Violin solo—Fritz Kreisler, (a) "Shepherd's Madrigal" (Kreisler); (b) "Gipsy Caprice" (Kreisler) (H.M.V. Record DB1110).
 Soprano solo—Lucrezia Bori, "Il Bacio—The Kiss" (Arditi) (H.M.V. Record DA900).
 6.28 : Tacet.
 6.30 : Orchestral—New Light Symphony Orchestra, "Three Spanish Dances" (Granados): 1. Oriental. 2. Andalouse. 3. Rondalla Aragonesa (H.M.V. Record).
 6.43 : Tacet.
 6.45 : Orchestral—New Light Symphony Orchestra, "Triana" (Albeniz) (H.M.V. Record C1554).
 Choral—Sieber Choir, "The Blue Danube" (Strauss) (Parlophone Record A5019).
 6.57 : Tacet.
 7.0 : News session, market reports and sports results.
 7.40 : Lecturette—Mr. H. B. Tomlinson, M.A.—"The Art of Parody" (Under the auspices of the Workers' Educational Association).
 8.0 : Chimes of the G.P.O. clock.
 Special programme by the Singing Circle of the Wellington Pioneer Club:
 8.1 : Overture—Orchestra, "Finlandia" (Sibelius).
 8.9 : Glees—Singing Circle, (a) "Ghosts of Little White Roses" (Rich); (b) "The Angel" (Rubinstein); (c) "Celtic Lullaby" (Arrgd. Hugh Robertson).
 8.19 : Pianoforte solo—Miss Nora Gray, "Mexican Serenade" (Mowray).
 8.34 : Musical monologue—Miss Zita Chapman, selected.
 8.28 : Instrumental—Orchestra, "Chopinania" Part 1 (Hosmer).
 8.36 : Contralto solos—Mrs. P. Ramsey, (a) "Indian Lullaby" (Orlando Morgan); (b) "Sea Rapture" (Coates).
 8.42 : Glees—Singing Circle, (a) "Fair Spring is Returning" ("Samson and Delilah") (Saint-Saens); (b) "Fall on Me Like a Silent Dew" (Coleridge-Taylor); (c) "Barcarolle" ("Tales of Hoffman" (Offenbach).
 8.52 : Ballet suite—Orchestra, "Rosamunde Ballet Suite" (Schubert).
 9.0 : Weather report.
 9.2 : Relay of organ recital by Mr. H. Temple White: (a) "Nocturne" (Driffell); (b) "Gavotte de Mignon" (Thomas); (c) "Marche Solennelle" (Maily).
 9.17 : Mezzo-soprano solos, Mrs. M. E. Mitchell, (a) "O Flower of all the World" (Woodforde-Finden); (b) "Long Ago" (Speaks).
 9.23 : Recital—Miss Zita Chapman, selected.
 9.30 : Suite—Orchestra, "Roma Suite" (Bizet).
 9.38 : Solo and chorus—Miss Ella Fair and Singing Circle, "Poor Wanderer One" ("Pirates of Penzance") (Sullivan).
 9.42 : Mezzo-contralto solos, Mrs. P. J. Townley, (a) "Over the Western Sea" (Mallinson); (b) "Three" (Aylward).
 9.48 : Instrumental trio—Kreisler, Kreisler and Raucheisen, "Sanctissima" (Corelli, arrgd. Kreisler) (H.M.V. Record DB1166).

Week-all Stations-to Aug. 25

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- 9.52: Trio and chorus—Mesdames Townley, Ramsey and Miss Gray, "Three Little Maids" ("The Mikado") (Sullivan).
 9.56: Soprano solos—Miss Nora Gray, (a) "The Lotus Flower" (Schumann); (b) "Folk Song" (Schumann).
 10.2: Glee—Singing Circle, (a) "From Far Away" (Tuscan Folk Song); (b) "O Wert Thou in the Cauld Blast" (Mendelssohn); (c) "Piping Tim" (Arrgd. from old Irish air).
 10.9: Instrumental—Orchestra, "Italian Symphony" (Mendelssohn).
 10.17: Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, AUGUST 19.

- 3.0: Afternoon session, selected studio items.
 4.25: Sports results to hand.
 4.30: Close down.
 6.0: Children's session, conducted by "Scatterjoy."
 7.0: News session.
 7.15: Talk—Mr. E. J. Bell, "Book Review."
 8.0: Chimes.
 Programme by the Woolston Band, under the conductorship of Mr. R. J. Estall, and assisting artists:
 8.1: March—Band, "Dunroom" (Sode).
 Suite de Concert—Band, "Demande et Reponse" (Coleridge-Taylor).
 8.9: Soprano solos—Mrs. Moana Lawrence, (a) "Synnove's Song" (Kjerulf); (b) "Sailing the Sea of Romance" (Samuels).
 8.14: Chorus—London Hippodrome Chorus and Kit Kat Band, "Hit the Deck" Medley (Youmans) (Columbia Record 02621).
 8.18: Instrumental—Christchurch Broadcasting Trio, "Trio No. 6" (Bohm).
 8.27: Recital—Mr. H. Shaw, "In an Indian Garden" (MS.).
 8.33: Contralto solo—Miss Elizabeth Vass, "Will He Come?" (Sullivan).
 8.37: Intermezzo—Band, "In a Persian Market" (Ketelbey).
 8.45: Baritone solos—Mr. Robt. Allison, (a) "Sincerity" (Emile Clarke); (b) "Walata Poi" (Hill).
 8.50: Selection—Band, "Border Songs and Ballads" (Old Scottish).
 9.0: Weather reports.
 9.3: Soprano solos—Mrs. Moana Lawrence, (a) "I Wonder if Love is a Dream" (Foster); (b) "If You're in Love You'll Waltz" ("Rio Rita") (Tierney).
 9.7: Chorus—London Hippodrome chorus and Kit Kat Band, "Hit the Deck" (Youmans) (Columbia Record 02621).
 9.11: Instrumental—Christchurch Broadcasting Trio, (a) "Minuet" (Boccherini); (b) "The Old Refrain" (Kreisler); (c) "Poupee Val-sante" (Poldini).
 9.20: Recital—Mr. H. Shaw, "The Bell Buoy" (Kipling).
 9.25: Waltz—La Vittoria Orchestra, "Wedding of the Winds" (Hall) (Zonophone Record EF21).
 9.29: Contralto solos—Miss Elizabeth Vass, (a) "The Splendour Falls" (Waltheu); (b) "Over the Moor" (Liddle).
 9.34: Trombone solo with band accompaniment, "The Trumpeter" (Dix). Suite—Band, "Ballet Egyptian" (Luigini).
 9.47: Baritone solo—Mr. Robt. Allison, "There's a Wee Bit Land" (Grieve).
 9.52: Foxtrot—Band, "That's Her Now" (Ager).
 March—Band, "Rearguard" (Farrell).
 10.0: Close down.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, AUGUST 19.

- 3.0: Town Hall chimes.
 3.1: Selected gramophone items.
 4.25: Sports results to hand.
 4.30: Close down.
 6.0: Town Hall chimes.
 6.1: Children's session, conducted by Uncle Allan.
 7.0: News session.
 8.1: Overture—Berlin State Opera Orchestra, "The Magic Flute" (Mozart) (H.M.V. Record E464).
 8.5: Baritone solo—Mr. L. M. Cachemaille, "Waita Maori" (Hill).
 8.13: Instrumental—4YA Broadcasting Trio, "Trio in G Major" Op. 16 (Mozart).
 8.18: Soprano solo—Miss Freda Elmes, "One Morning Very Early" (Sanderson).
 8.22: Pianoforte solo—Mrs. Ernest Drake, "Prelude" (Schutt).
 8.25: Tenor solo—Mr. J. Montague, "Little Yvette" (Wood).
 8.29: Cello solo—Mr. P. J. Palmer, "Tarantella" (Squire).
 8.33: Contralto solo—Miss Dorothy Skinner, "Death and the Maiden" (Schubert).
 8.37: Instrumental—4YA Broadcasting Trio, "Scherzo" (Schubert).
 8.42: Solo and chorus—Harold Williams, "Song of the Vagabonds" (Friml).
 Duet and chorus—Doris Vane and Harold Williams, "Only a Rose" (Friml) (Columbia Record 01271).

- 8.51: Violin solo—Mr. Frank Parsons, "Cavatina" (Raff).
 8.55: Selection—Band of H.M. Coldstream Guards, "Pirates of Penzance" (Sullivan) (H.M.V. Record C1368).
 8.59: Weather report.
 9.1: Overture—"Belle of New York" (Kerker).
 9.5: Presentation of the musical comedy, "The Belle of New York" (Kerker) by the Majors Quartet, under the direction of Mr. T. J. Kirk-Burnmand).
 10.0: Close down.

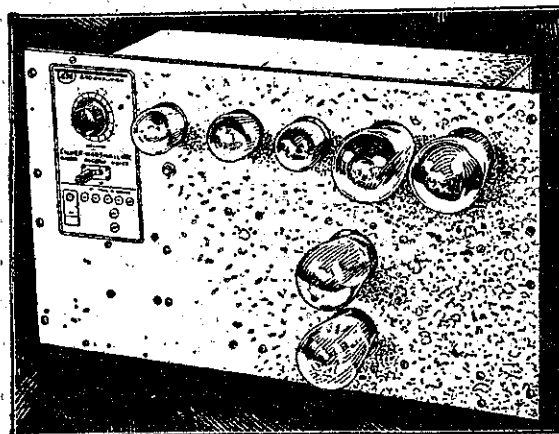
Tuesday, August 20

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, AUGUST 20.

- 3.0: Afternoon session—selected studio items.
 4.0: Literary selection by the Announcer.
 4.8: Studio items.
 4.25: Sports results to hand.
 4.30: Close down.
 6.0: Children's session, conducted by Uncle George.
 7.0: Talk—Mr. Geo. Campbell, "Motoring."
 7.15: News items and book review.
 8.40: Talk—Madame Edith Milne, "Artistic Physical Development."

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AUCKLAND.

- 8.0 : Chimes.
 8.1 : Relay from Majestic Theatre of overture by Orchestra under the direction of Mr. J. Whiteford-Wangh.
 8.11: Vocal octet with harp—Madame Humphrey Steward's Octet, "Cherubic Host" ("The Holy City") (Gaul).
 8.15: Soprano solo—Mr. Brinden, "Waltz Song" ("Les Cloches de Cornville") (Planquette).
 8.19: Cello solo—Lauri Kennedy, "Hungarian Rhapsody" (Popper) (H.M.V. Record C1595).
 8.23: Contralto solo—Miss Doris Gower, "Know'st Thou That Dear Land?" (Thomas).
 8.27: Baritone solo—Mr. Frank Sutherland, "A Soldier's Life" ("Bohemian Girl") (Balfe).
 8.31: Mezzo-soprano and chorus—Miss Alice Taylor, "When A Merry Maiden Marries" ("The Gondoliers") (Sullivan).
 8.35: Instrumental—Studio Trio, (a) "Berceuse" (Ilynski); (b) "Miniature Viennese Marche" (Kreisler).
 8.45: Vocal duet—Misses Pringle and Moore, "Hear Me, Norma" ("Norma") (Bellini).
 8.49: Selection—Plaza Theatre Orchestra, "The Belle of New York" (Kerker) (Regal Record G80016).
 8.57: Soprano solo—Miss Ida Holmes, "Jewel Song" ("Faust") (Gounod).
 9.1 : Weather report.
 9.3 : Cello solos—Lauri Kennedy, (a) "Cradle Song" (Brahms, arrgd. Kennedy); (b) "Songs My Mother Taught Me" (Dvorak) (H.M.V. Record C1595).
 9.7 : Contralto solo—Miss D. Moore, "Hindoo Song" (Bemberg).
 9.11: Harp solo—Miss Mavis Gravatt, "Murmuring Waves" (Oberthur).
 9.16: Talk—Mr. Haycock, "The Lighter Side of Journalism."
 9.31: Violin solos—Miss Ina Bosworth, (a) "Melodie" (Gluck); (b) "Scherzo" (Dittersdorf).
 9.35: Baritone solos—Mr. Frank Sutherland, (a) "Calf of Gold" (Gounod); (b) "Within These Sacred Bowers" ("The Magic Flute") (Mozart).
 9.42: Selection—National Symphony Orchestra, "Aida" (Verdi) (Zonophone Record A340).
 9.46: Soprano solo—Miss C. Pringle, "One Fine Day" ("Madame Butterfly") (Puccini).
 9.50: Instrumental—Studio Orchestra, "Handel in the Strand" (Grainger).
 9.58: Vocal octet—Madame Humphrey Steward's Octet, "Carry Me Back to Old Virginny" (Bland).
 10.2 : Close down.

2YA, WELLINGTON (720 KILOCYCLES).—TUESDAY, AUGUST 20.

- 8.0 : Chimes of the G.P.O. clock.
 8.1 : Selected gramophone items.
 4.30 and 4.50: Sports results to hand.
 4.55: Close down.
 5.0 : Children's session, conducted by Uncle Jim.
 6.0 : Dinner session:
 Overture—Grand Symphony Orchestra, "Der Freischutz" (Weber) (Parlophone Record A4072).
 Tenor solo—Derek Oldham, "I Know of Two Bright Eyes" (Clutsam) (H.M.V. Record B2870).
 6.13: Tacet.
 6.15: Wurlitzer organ solos—Jesse Crawford, (a) "How About Me?" (Berlin); (b) "I'll Get By as Long as I Have You" (Turk) (H.M.V. Record EA499).
 Tenor solo—Derek Oldham, "Now Sleeps the Crimson Petal" (Quilter) (H.M.V. Record B2870).
 6.25: Tacet.
 6.30: Foxtrots—Connecticut Yankees, (a) "Deep Night" (Valee); (b) "Weary River" (Clarke) (H.M.V. Record EA514).
 Soprano—Dusolina Giannini, "I Love You Truly" (Jacobs-Bond) (H.M.V. Record DA808).
 6.40: Tacet.
 6.45: Waltz—Troubadours, "Carolina Moon" (Davis).
 Foxtrot—Geo. Olsen's Music, "When the World Is At Rest" (Davis) (H.M.V. BA494).
 Comedian—Johnny Marvin, "Sweetheart of All My Dreams" (Fitch) (H.M.V. Record EA506).
 6.55: Tacet.
 7.0 : News session, market reports, and sports results.
 7.40: Lecture—representative of the Agricultural Department, "For the Man on the Land."
 8.0 : Chimes of the G.P.O. clock.
 8.1 : Overture—Orchestra, "Chal Romano" (Ketelbey).
 8.9 : Soprano solo—Miss Anne Davies, "Under the Deodar" ("The Country Girl") (Monckton).
 8.13: Bass with orchestra—Paul Robeson, with Whiteman's Orchestra, "Ol' Man River" (Kern) (H.M.V. Record C1505 (by request)).
 8.17: Humorous sketch—Ajax and Bejax, "Cohen and His Son" (Hayman).
 8.24: Instrumental—Orchestra, "Russet and Gold Suite" (Sanderson).
 8.32: Bass solo—Mr. G. Madigan, "Old Barty" (Grant).
 8.36: Tenor solo—Joseph Hislop, (a) "Briskay Love Lilt"; (b) "Herdin Song" (arrgd Kennedy-Fraser) (H.M.V. Record DA789 (by request)).

- 8.42: Popular songs—Miss Lily Charles, (a) "The Show Boat" (Kern); (b) "Can't Help Lovin' Dat Man" ("The Show Boat") (Kern).
 8.49: Instrumental—Orchestra, repeat number.
 8.57: Weather report.
 8.59: Soprano solos—Miss Anne Davies, (a) "The Grey Dove" (Caryll); (b) "Jeannine, I Dream of Lilac Time" (Shilkret).
 9.6 : Humorous sketch—Ajax and Bejax, "More Cohen" (Hayman).
 9.13: Instrumental—Orchestra, (a) "Serenade" (Chaminade); (b) "Serenade" (Herbert).
 9.19: Bass solo—Mr. G. Madigan, "Four Jolly Sailormen" (German).
 9.23: Popular song—Miss Lily Charles, "I'm Waiting For Ships That Never Come in" (Olman).
 9.27: Waltz—Orchestra, "Dornroschin" (Tschaiakowsky).
 9.33: "Columbia dance programme":
 Bass solo—Robt. Easton, "Time to Go" (a sea shanty) (Weatherly) (Columbia Record 01502).
 Foxtrot with vocal refrain—Paul Specht's Orchestra, "I Love You, I Love You, I Love You" (Firth) (Columbia 01459).
 Foxtrot with vocal refrain—Vern Buck's Orchestra, "What A Girl! What a Night!" (Sanders) (Columbia Record 01469).
 Foxtrot—Stellar Dance Band, "In the Shadows" (Finck) (Regal Record G20451).
 Foxtrot with vocal chorus—Piccadilly Players, "Who Did? You Did?" (Kalmar) (Columbia 01492).
 Waltz—Continental Novelty Quintet, "Sunlight" (Regal G20432).
 9.51: Vocal duet—The Trix Sisters, "My Rock-a-Bye Baby" (Leslie) (Columbia 01484).
 Foxtrot with vocal refrain—Jan Garber's Orchestra, "Weary River" (Silvers) (Columbia 01459).
 Foxtrot with vocal refrain—Ben Selvin's Orchestra, "If I Had You" (Shapiro) (Columbia 01469).
 10.0 : Bass solo—Robt. Easton, "If Ever I Meet the Sergeant" (Wright) (Columbia 01502).
 Foxtrot with vocal chorus—Stellar Dance Band, "The Song I Love" (De Sylva) (Regal G20451).
 Foxtrot with vocal chorus—The Piccadilly Players, "Happy-Go-Lucky Bird" (Kalmar) (Columbia 01492).
 10.9 : Organ solo—Terance Casey, "Bird Songs at Eventide" (Coates) (Columbia 01501).
 Foxtrot with vocal refrain—Ben Selvin's Orchestra, "If You Want the Rainbow" (Rose) (Columbia 01401).
 Foxtrot with vocal refrain—California Ramblers, "You're Just a Great Big Baby Doll" (Herscher) (Columbia 01365).
 Waltz—Continental Novelty Quintet, "On Board" Waltz (Regal G20432).
 10.21: Vocal duet—The Trix Sisters, "I'm Crazy Over You" (Sherman) (Columbia 01484).
 Foxtrot with vocal refrain—California Ramblers, "Bless You, Sister" (Robinson) (Columbia 01365).
 Waltz with vocal refrain—The Cavaliers, "I Loved You Then As I Love You Now" (Add) (Columbia 01401).
 10.30: Band—Garde Republicaine de France, "Marche Indienne" (Sellenick) (Columbia 01504).
 Foxtrot with vocal refrain—Stellar Dance Band, "Heartbroken and Lonely" (Coslow) (Regal G20380).
 Foxtrot with vocal chorus—Piccadilly Band, "A Room With a View" (Coward) (Columbia 01420).
 10.39: Baritone solo—Tom Barratt, "Happy Days and Lonely Nights" (Rose) (Regal G20457).
 Foxtrot with vocal refrain—Stellar Dance Band, "I Can't Make Her Happy" (Pollack) (Regal G20380).
 Waltz—Eddie Thomas's Collegians, "Moments With You" (Shilkret) (Columbia 01135).
 Band—Garde Republicaine de France, "Le Bombardier" (Pares) (Columbia 01504).
 Foxtrot with vocal chorus—Piccadilly Band, "Try to Learn to Love" (Coward) (Columbia 01420).
 Waltz—Eddie Thomas's Collegians, "Moonlight on the Danube" (Gay) (Columbia 01135).
 Baritone solo—Tom Barratt, "Shout Hallelujah, 'Cause I'm Home" (Dixon) (Regal G20457).
 11.0 : Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES).—TUESDAY, AUGUST 20. SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES).—TUESDAY, AUGUST 20.

- 8.0 : Town Hall chimes.
 8.1 : Relay of instrumental music from the Ritz.
 4.25: Sports results to hand.
 4.30: Close down.
 6.0 : Town Hall chimes.
 6.1 : Children's session, conducted by Big Brother Bill.
 7.0 : News session.
 7.30: Lecture—Mr. Lloyd Ross, M.A., LL.B. (under the auspices of the Workers' Educational Association), "The Problem of the Machine—Machine Age."

- 8.0 : Town Hall chimes.
 8.1 : Studio concert by the St. Kilda Band, under the conductorship of Mr. James Dixon, and assisting artists:
 March—Band, "The University" (Carter).
 8.5 : Soprano solos—Miss Lettie de Clifford, (a) "Columbine Garden" (Besley); (b) "My Desire" (Cadman).
 8.12 : Bass-baritone solo, Peter Dawson, "At Santa Barbara" (Russell) (H.M.V. Record B2661).
 8.16 : Recitals—Miss Sheila Neilson, (a) "A Violin Solo" (May); (b) "Tonight" (Shelley).
 8.26 : Fantasia—Band, "Military Church Parade" (Hume).
 8.36 : Contralto solo—Miss Mary Somerville, (a) "The Turn of the Year" (Willeby); (b) "The Crescent Moon" (Sanderson).
 8.43 : Wurlitzer organ solo—Terence Casey, "Keys of Heaven" (with variations) (arrgd. Casey) (Columbia Record 02842).
 8.47 : Selection—Band, "Sanderson's Popular Songs" (Hume).
 9.0 : Weather report.
 9.2 : Concerted—Light Opera Company, Gems from "Princess Flaria" (Smith-Romberg) (H.M.V. Record EB22).
 9.6 : Concert solo—Band, "Somewhere a Voice is Calling" (Tate).
 9.13 : Soprano solo—Miss Lettie de Clifford, "My Flower" (Landon Ronald).
 9.17 : Bass-baritone solo, Peter Dawson, "The Admiral's Yarn" (Rubens) (H.M.V. Record B2661).
 9.20 : Recital—Miss Sheila Neilson, "My Day Out" (Herbert).
 9.30 : Intermezzo—Band, "Rose Garland" (Raymond).
 9.37 : Hawaiian—South Sea Islanders, (a) "All Because of You" (Analin); (b) "Hanalei Bay" (Alohihea) (Columbia Record 0737).
 9.40 : Waltz—Band, "Bells of Blighty" (Scott-Baker).
 9.47 : Contralto solo—Miss Mary Somerville, "Break, Break, Break" (Carey).
 9.51 : Wurlitzer organ solo—Terence Casey, "Annie Laurie" (with variations) (arrgd Casey) (Columbia Record 02842).
 9.55 : March—Band, "Guard of Honour" (Hames).
 10.0 : Close down.

Wednesday, August 21

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, AUGUST 21.

- 12.30 : Relay of Community Singing from Town Hall.
 3.0 : Afternoon session—Selected studio items.
 4.8 : Studio items.
 4.25 : Sports results to hand.
 4.30 : Close down.
 6.0 : Children's session, conducted by Uncle Tom.
 7.0 : News and market reports.
 8.0 : Chimes.
 8.1 : Relay from Town Hall of Jasper's Concert and Howie's Recital.
 10.0 : (approx.) Close down.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, AUGUST 21. SILENT DAY.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, AUGUST 21.

- 3.0 : Afternoon session—Selected gramophone items.
 4.25 : Sports results to hand.
 4.30 : Close down.
 6.0 : Children's session conducted by Mother Hubbard and Uncle Frank.
 7.0 : News session.
 7.30 : Addington stock market reports.
 8.0 : Chimes.
 8.1 : Overture—Columbia Symphony Orchestra, "March of the Bojaren" (Halvorsen) (Columbia Record 02622).
 8.5 : Operatic solo, followed by tenor and contralto duet—Miss Corrie Aslin and Salona Duo, (a) "Scenes that are Brightest" ("Maritana") Wallace; (b) "Rose of My Heart" (Lohr).
 8.12 : Pianoforte recital—Mr. Sydney Francis Hoben, (a) "The Chapel in the Forest" (Jansen-Hoben), (b) "O Star of Eve" ("Tannhauser") (Wagner-Liszt), (c) "Cracovienne Fantastique" (Paderewski).
 8.28 : Baritone solo—Mr. J. Graham Young, "The Yeomen of England" ("Merrie England") (German).
 8.32 : Chorus—La Scala Chorus, "La Sonnambula—Ah Fosio gielo" (Bellini) (H.M.V. Record B2624).
 8.35 : Four characteristic waltzes—Bohemian Quintet, (a) "Valse Bohemienne"; (b) "Valse Rustique"; (c) "Valse de la Reine"; (d) "Valse Mauresque" (Coleridge-Taylor).
 8.47 : Contralto solo, followed by vocal quartet—Miss Dulcie Mitchell and Salon Quartet, (a) "Last Night I Dreamt" (Levi), (b) "Gossip Joan" (Old English Air) (Shaw).
 8.54 : Ballet suite—Band of H.M. Coldstream Guards, "La Source Ballet" (arr. Winterbottom): (a) "Danse des Escharpes," (b) "Scene d'Amour," (c) "Variation," (d) "Danse Carcassienne" (H.M.V. Record B2798).
 9.0 : Weather report.
 9.2 : Instrumental—Bohemian Quintet, "Vienna Life" (Strauss).
 9.12 : Tenor solo, followed by soprano and baritone duet—Mr. H. Blakeley and Salon Duo, (a) "All Hail Thou Dwelling Pure and Lowly" ("Faust"—Gounod), (b) "Trot Here, Trot There" ("Veronique") (Messager).
 9.19 : Cello solo with organ—W. H. Squire, "Sarabande" (Suizer) (Columbia Record 04283).
 9.22 : Contralto solos—Miss Dulcie Mitchell, (a) "Little Playmates" (Tuckfield), (b) "A Birthday" (Cowen).
 9.26 : Chorus—La Scala Chorus, "Soldiers' Chorus" ("Faust") (Gounod) (H.M.V. Record B2624).
 9.29 : Instrumental—Bohemian Quintet, "Three Dances from Henry VIII." (German): (1) Morris Dance, (2) Shepherds' Dance, (3) Torch Dance.
 9.37 : Baritone solo, followed by vocal trio—Mr. J. Graham Young and Salon Trio, (a) "On the Road to Mandalay" (Speaks), (b) "Don't Look at Me, I Pray" (Martini).
 9.43 : Boys' Choir—Hofburg Chapel Boys' Choir, Vienna, "Solveig's Song" ("Peer Gynt") (Grieg) (Parlophone Record R20021).

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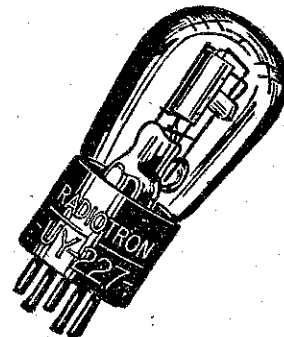
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WELLINGTON.

- 9.46: Soprano solo—Miss Corrie Aslin, "She Wandered Down the Mountain-side" (Clay).
 9.50: Tenor solo—Mr. H. Blakeley, "The Death of Nelson" (Braham).
 9.54: Selection—Plaza Theatre Orchestra, "Belle of New York" (Kerker, arrgd. Godfrey) (Regal Record G30061).
 10.2: Close down.

4YA, DUNEDIN (650 KILOCYCLES).—WEDNESDAY, AUGUST 21.

- 3.0: Town Hall chimes.
 3.1: Selected gramophone items.
 4.25: Sports results to hand.
 4.30: Close down.
 6.0: Children's session, conducted by Aunt Anita.
 7.0: News session.
 8.0: Town Hall chimes.
 8.1: Relay from the Early Settlers' Hall of "Sir Walter Scott Anniversary Concert," produced by the Dunedin Burns Club.
 9.30: (approx.), "Brunswick" dance programme:
 Foxtrot with vocal chorus—Hal Kemp's Orchestra, "You Wouldn't Fool Me, Would You?" (De Sylva) (Brunswick 4212).
 Foxtrot with vocal chorus—Harold Stern's Orchestra, "From Sunrise to Sunset" (Miller) (Brunswick 4251).
 Foxtrot with vocal chorus—Arnold Johnson's Orchestra, "Tear Drops" (Davis) (Brunswick 4251).
 9.42: Comedienne with orchestra—Zelma O'Neal, "Button Up Your Overcoat" (De Sylva) (Brunswick 4207).
 Foxtrot with vocal chorus—Eight Radio Stars, "My Annapolis" (Weinberg) (Brunswick 4272).
 Foxtrot with vocal chorus—Colonial Club Orchestra, "Hittin' the Ceiling" (Gottler) (Brunswick 4349).
 Waltz with vocal chorus—Eight Radio Stars, "I Found Happiness" (Rapee) (Brunswick 4233).
 9.57: Old-time orchestra—Al Hopkins' Buckle Busters, "Polka Medley" (Lind) (Brunswick 321).
 Foxtrot with vocal chorus—Red Nicholls and His Five Pennies, "On the Alamo" (Kahn) (Brunswick 4363).
 Foxtrot with vocal chorus—Ray Miller's Orchestra, "Cradle of Love" (Wayne) (Brunswick 4233).
 Foxtrot with vocal chorus—Hotel Ten Eyck Whispering Orchestra, "Then We Canoe-dle-oodle" (Woods) (Brunswick 4372).
 Foxtrot with vocal chorus—Al Goodman's Orchestra, "I'm Still Car-ing" (Vallee) (Brunswick 4362).
 10.12: Vocal solo with novelty accompaniment, Frank Luther, "Peg-leg Jack" (Robison) (Brunswick 4371).
 Foxtrot with vocal chorus—Hotel Ten Eyck Whispering Orchestra, "Jericho" (Robin) (Brunswick 4372).
 Foxtrot with vocal chorus—Al Goodman's Orchestra, "I'm Just a Vagabond Lover" (Vallee) (Brunswick 4362).
 Waltz with vocal chorus—Regent Club Orchestra, "Sleepy Valley" (Sterling) (Brunswick 4370 (145/M83)).
 10.24: Old-time orchestra—Al Hopkins' Buckle Busters, "Marosovia Waltz" (Belcher) (Brunswick 321).
 Organ solo with vibraphone—Lew White, "Mean to Me" (Turk) (Brunswick 436).
 Foxtrot with vocal chorus—Colonial Club Orchestra, "Sing a Little Love Song" (Gottler) (Brunswick 4349).
 Foxtrot with vocal chorus—Roy Ingraham's Orchestra, "That's Liv-ing" (Ryan) (Brunswick 4366).
 Foxtrot with vocal chorus—Colonial Club Orchestra, "There's a Four-leaf Clover in My Pocket" (Colwell) (Brunswick 4247).
 10.39: Vocal solo with novelty accompaniment—Frank Luther, "Barnacle Bill, the Sailor" (Robison) (Brunswick 4371).
 Foxtrot with vocal chorus—Six Jumping Jacks, "Oh! Baby, What a Night" (Brown) (Brunswick 4351).
 Waltz with vocal chorus—Regent Club Orchestra, "My Dear" (Kahn) (Brunswick 4370).
 Waltz with vocal chorus—Castlewood Marimba Orchestra, "Wonder-ful You" (McNeill) (Brunswick 4379).
 10.51: Organ solo—Lew White, "Deep Night" (Henderson) (Brunswick 4361).
 Foxtrot with vocal chorus—Colonial Club Orchestra, "Oh, What a Night to Love" (Herbert) (Brunswick 4247).
 Waltz with vocal chorus—Regent Club Orchestra, "Evangeline" (Rose) (Brunswick 4379).
 11.0: Close down.

Thursday, August 22

1YA, AUCKLAND (900 KILOCYCLES).—THURSDAY, AUGUST 22.

- 3.0: Presentation of programme arranged by Messrs. Lewis Eady, Ltd.
 3.30: Talk—Miss Edith Sutherland, "Homecrafts."
 4.45: Further items by Messrs. Lewis Eady, Ltd.
 4.55: Sports results to hand.
 4.50: Close down.
 6.0: Children's session, conducted by Peter Pan.

7.0: News and market reports.

7.40: Talk—Mr. N. M. Richmond, "The Modern Age—As John Galsworthy Sees It." (Under the auspices of the Workers' Educational Association.)

8.0: Chimes.

8.1: Selection—Studio Orchestra, "Florodora" (Stuart, arrgd. Allard).

8.11: Soprano solo—Miss Margaret Beaumont, "Break o' Day" (Sanderson).

8.15: Baritone solos—Mr. Charles Reader, (a) "Son of Mine" (Wallace); (b) "Two Little Southern Songs" (Ring).

8.22: Instrumental—Studio Orchestra, "Ballet Russe" Part 1: 1. Allegro Moderato; 2. Scene: 3. Mazurka (Luigini).

8.30: Vocal trio—The Snapp: Three, (a) "Me and the Man in the Moon" (Monaco); (b) "My Stormy Weather Pal" (Pastadosi).

8.36: Boy soprano—Master Desmond Casey, "Only the River Running By" (Hopkins).

8.39: Contralto solos—Miss Phyllis James, (a) "Thank God for a Garden" (Day); (b) "You've Got Your Mother's Eyes" (Drummond).

8.46: Instrumental—Studio Orchestra, "Phantom Brigade" (Myddleton).

8.53: Baritone solo—Mr. C. Reader, "Bedouin Love Song" (Pinsuti).

8.57: Weather report.

8.59: Soprano solos—Miss M. Beaumont, (a) "Bird of Love Divine" (Sanderson); (b) "The Hills of Donegal" (Sanderson).

9.6: Suite—Orchestra, "Scenes From the Cinema" (Ketelbey): 1. Rhapsodie; 2. Amaryllis; 3. Bacchante de Montmartre.

9.16: Boy soprano—Master Desmond Casey, (a) "The Minstrel Boy" (Moore); (b) "Love's Old Sweet Song" (Molloy).

9.23: Contralto solo—Miss P. James, "Arise, O Sun" (Day).

9.26: Vocal—Snappy Three, (a) "Good Little, Bad Little, You" (Ash); (b) piano jazz solo; (c) "A Kiss Before the Dawn" (Ager).

9.35: "His Master's Voice" dance programme:
 Bass-baritone solo, Peter Dawson, "Captain Harry Morgan" (Bantock) (H.M.V. B2884).

Foxtrot with vocal refrain—Arcadians' Dance Orchestra, "Fascinating Eyes" (Snyder) (Zonophone 5249).

Foxtrot—Jack Pettis and His Pets, "A Bag of Blues" (Goering) (Zonophone EE138).

Waltz—Arcadians' Dance Orchestra, "Ah, Sweet Mystery of Life" (Herbert) (Zonophone 5249).

9.47: Baritone solo—Noel Coward, "Try to Learn to Love" (Coward) (H.M.V. B2720).

Foxtrot—Ambrose and his Orchestra, "Try to Learn to Love" (Coward) (H.M.V. B5487).

Foxtrot—Jack Pettis and His Pets, "Freshman Hop" (Goering) (Zonophone EE138).

9.56: Humour—Leonard Henry, "The Tale of the Talkies" (Henry) (H.M.V. B2916).

Foxtrot—Arcadians' Dance Orchestra, "Our Canary" (Butler) (Zonophone 5251).

Foxtrot—Ambrose and his Orchestra, "Dance, Little Lady" (Coward) (H.M.V. B5487).

Foxtrot—Arcadians' Dance Orchestra, "Dreaming of To-morrow" (Pole) (Zonophone 5251).

10.8: Baritone solo—Noel Coward, "Dance, Little Lady" (Coward) (H.M.V. B2720).

Foxtrot with vocal refrain—Geo. Olsen's Music, "Old Man Sunshine" (Dixon) (H.M.V. EA422).

Foxtrot with vocal refrain—Park Central Orchestra, "Then Came the Dawn" (Dubin) (Zonophone EE144).

Waltz—The Troubadours, "Diane" (Rapee) (H.M.V. EA269).

10.20: Wurlitzer organ solo—Leslie James, "Just Imagine" (de Sylva) (H.M.V. B2902).

Foxtrot—Arcadians' Dance Orchestra, "The Man I Love" (Gershwin) (Zonophone 5167).

Foxtrot with vocal refrain—"Sentimental Baby" (Palmer) (Zonophone EE144).

Dance orchestra—Arcadians, "A Room With a View" Foxtrot (Coward) (Zonophone 5167).

10.31: Humour—Leonard Henry, "General Post" (Henry) (H.M.V. B2916).
 Community Lancers—Bert Firman's Dance Orchestra, Figures 1, 2, 3, 4, and 5 (Zonophone 5117/8).

Foxtrot—Nat Shilkret's Orchestra, "Nagasaki" (Dixon) (H.M.V. EA412).

Foxtrot with vocal chorus—Geo. Olsen's Music, "Doin' the Raccoon" (Klages) (H.M.V. EA422).

10.51: Baritone solo—Maurice Elwin, "The First Kiss" (Dubin) (Zonophone 5243).

Foxtrot with vocal refrain—Statler Pennsylvanians, "It Goes Like This" (Caesar) (H.M.V. EA446).

Waltz—Nat Shilkret's Orchestra, "Till We Meet Again" (Egan) (H.M.V. EA412).

11.0: Close down.

2YA, WELLINGTON (720 KILOCYCLES).—THURSDAY, AUGUST 22.

- 3.0: Chimes of the G.P.O. clock.
 3.1: Selected gramophone items.
 4.30 and
 4.55: Sports results to hand.
 4.55: Close down.
 5.0: Children's session, conducted by Uncle Len.

- 6.0 : Dinner session:
Overture—H.M. Coldstream Guards, "A Musical Switch" (Alford) (H.M.V. Record C1589).
Tenor solo—Gene Austin, "Weary River" (Clarke) (H.M.V. Record EA512).
6.13: Tacet.
6.15: Orchestral—Dajos Bela Orchestra, "Gypsy Love" waltz, (Lehar) (Parlophone Record A4080).
Soprano solo—Amelita Galli-Curci, "La Paloma" (The Dove) (Yradier) (H.M.V. Record DA1002).
Orchestral—Dajos Bela Orchestra, "You and You" waltz (Strauss) (Parlophone Record A4080).
6.27: Tacet.
6.30: Orchestral—Edith Lorand Orchestra, "The Merry Widow" (Lehar) (Parlophone Record A4071).
Soprano solo—Amelita Galli-Curci, "La Capinera" (The Wren) (Benedict) (H.M.V. Record DA1002).
6.42: Tacet.
6.45: Orchestral—Edith Loran Orchestra, "Tales of Hoffman" Tantasie (Offenbach) (Parlophone Record A4070).
Orchestral—Dajos Bela Orchestra, "The Grenadiers" waltz (Waldteufel) (Parlophone Record A4081).
6.57: Tacet.
7.0 : News session—market reports and sports results.
7.40: Lecturette—Miss Inez Connop, "Dancing."
8.0 : Chimes of the G.P.O. clock.
8.1 : Relay from Hastings of concert to be presented by the Hawke's Bay Radio Society.
Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, AUGUST 22.

- 8.0 : Afternoon session—selected gramophone items.
4.25: Sports results.
4.30: Close down.
6.0 : Children's session, conducted by Uncle John.
7.0 : News session.
7.30: Talk to farmers, arranged by 3YA Primary Productions Committee, "Wool Production in the South Island," by Mr. G. A. Holmes, of the National Mortgage and Agency Company Ltd.
8.0 : Rebroadcast of 2YA Wellington (relay from Hastings of concert arranged by the Hawke's Bay Radio Society).
Close down.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, AUGUST 22.

- 8.0 : Simultaneous broadcast with 2YA and 3YA on relay from Hastings of concert arranged and presented by the Hawke's Bay Radio Society.
Close down.

Friday, August 23

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, AUGUST 23.

- 3 p.m.: Afternoon session—Selected studio items.
4.0 : Literary selection by the Announcer.
4.8 : Studio items.
4.25: Sports results to hand.
4.30: Close down.
6.0 : Children's session conducted by Nod and Aunt Jean.
7.0 : Talk—Mr. Frank Sutherland, "Rugby Football."
7.20: News and market reports.
8.0 : Chimes.
8.1 : Relay of concert arranged by Messrs. Lewis Eady Ltd.
8.30 (approx.): Studio concert.
Baritone solo—Mr. Len Barnes, "At Night" (Rachmaninoff).
8.34: Instrumental—Studio Trio, "Danse Macabre" (Saint-Saens).
8.43 : Soprano and flute—Miss Millicent O'Grady (flute obligato by Mr. A. Dunn), "Lo, Here the Gentle Lark" (Bishop).
8.47: Play—Auckland Dramatic Students' Association, "The Monkey's Paw."
9.12: Weather report.
9.13: Vocal duet—Miss M. O'Grady and Mr. L. Barnes, "Of Fairy Wand" ("Maritana") (Wallace).
9.17: Flute solo—Mr. Arthur A. Dunn, "Fantasia" ("Il Trovatore" (Verdi).
9.21: Baritone solo—Mr. Len Barnes, "Two Grenadiers" (Schumann).
9.25: Instrumental—Studio Trio, "Slavonic Dance No. 3" (Dvorak).
9.33: Soprano solo—Miss M. O'Grady, "Si Mes Vers Avalent Des Ailes" (Hahn).
9.36: Pianoforte solo—Mr. Eric Waters, "Scherzo in C Sharp Minor" (Chopin).
9.40: Scene—Auckland Dramatic Students' Association, "Comedy, 'Op 6 Me Thumb."
10.10: Close down.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, AUGUST 23.

- 3.0 : Chimes of the G.P.O. clock.
3.1 : Selected studio items.
3.40: Relay from Messrs. Kirkcaldie and Stains, Ltd., of music by the Trio.
4.0 : Studio items.

- 4.30 and 4.50: Sports results to hand.
4.55: Close down.
5.0 : Children's session conducted by Big Brother Jack.
6.0 : Dinner session:
Orchestral, (a) San Francisco Symphony Orchestra, "Marche Militaire" (Schubert), (b) Chicago Symphony Orchestra, "Serenade" (Volkman) and "Flight of the Bumble Bee" (Rimsky-Korsakov) (H.M.V. Record ED9).
Tenor solo—Costa Milona, "The Pearl-Fishers" (Bizet) (Parlophone Record A4073).
6.13: Tacet.
6.15: Orchestral—Philadelphia Symphony Orchestra, "Nocturne No. 2—Fetes" (Debussy) (H.M.V. Record E507).
Organ solo—Paul Mania, "In a Monastery Garden" (Ketelbey) (Parlophone Record A4079).
6.26: Tacet.
6.30: Orchestral—Light Opera Orchestra, "The Mikado" Overture (Sullivan) (H.M.V. Record D1172).
Tenor and chorus—Derek Oldham and chorus, "If You Want to Know Who We Are" (Sullivan) (H.M.V. Record D1173).
6.42: Tacet.
6.45: Pianoforte solo—Karol Szreter, "Fledermaus" (The Bat) (Waltz) (Strauss) (Parlophone Record A4082).
Concerted—Derek Oldham, George Baker, and chorus: (a) "Hark! the Hour of Ten is Sounding," (b) "Is This the Court of the Exchequer?" (c) "When First My Old, Old Love," (d) "All Hail, Great Judge!" ("Trial by Jury") (Sullivan) (H.M.V. Record D1469).
6.57: Tacet.
7.0 : News session—Market reports and sports results.
7.40: Lecturette—Mr. R. R. Money, late Royal Air Force, "Safe Flying and Dangerous Flying."
8.0 : Chimes of the G.P.O. clock.
Programme featuring excerpts from "The Country Girl" (Monckton), presented by the Philharmonic Quartet.
8.1 : Overture—Orchestra, "Country Girl" Selection (Godfrey).
8.9 : Soprano solo—Miss Ena Rapley, "Try Again, Johnnie" (Monckton).
8.13: Bass solo—Mr. Arthur Brady, "A Sailor's Life" (Monckton).
8.16: Musical comedy selection—Orchestra, "Merely Molly" (Finck).
8.24: Humour—Mr. and Mrs. Albert Russell, (a) "My Word, You Do Look Queer" (David), (b) "You Can Feel it Doing You Good."
8.31: Contralto solo—Miss Madge Freeman, "Ooo" (Monckton).
8.35: Waltz—Hilo Hawaiian Orchestra, "Hawaiian Dreams" (Marple) (Zonophone Record EE56).
8.39: Vocal duet—Miss Ena Rapley and Mr. Edwin Dennis, "Boy and Girl" (Monckton).
8.42: Selection—Orchestra, "La Boheme" (Puccini).
8.50: Vocal duet—Miss Madge Freeman and Mr. Arthur Brady, "Two Little Chicks" (Monckton).
8.54: Wurlitzer organ solo—Reginald Foort, "Miniature Overture" and "Waltz of the Flowers" ("Nutcracker Suite") (Tchaikowsky) (H.M.V. Record C1386).
9.2 : Weather report.
9.4 : Soprano solo—Miss Ena Rapley, "Come to Devonshire" (Monckton).
9.8 : Instrumental—Orchestra, "Interludes—Beggars' Opera" (Austin).
9.16: Humour—Mr. and Mrs. Albert Russell, (a) "Thank Heaven We Have Men Like —," (b) duet, "Leander" (Katja) (Monckton).
9.24: Vocal quartet—Philharmonic Quartet, "Take Your Pretty Partner" (Monckton).
9.27: Waltz—Hilo Hawaiian Orchestra, "Honolulu Moon" (Lawrence) (Zonophone Record EE56).
9.30: Tenor solo—Mr. Edwin Dennis, "Rose Marie, I Love You" ("Rose Marie") (Friml).
9.34: Vocal duet—Miss Ena Rapley and Mr. Arthur Brady, "The Rajah of Bhong" (Monckton).
9.38: Selection—Orchestra, "Little Dutch Girl" (Kulman).
9.46: Presentation of the grand opera "Carmen" (Bizet)—Final instalment, Act IV. (Columbia Records 9539-41).
10.14: Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, AUGUST 23.

- 3.0 : Afternoon session, selected gramophone items.
4.25: Sports results.
4.30: Close down.
6.0 : Children's session, conducted by "Storyman."
7.0 : News session.
8.0 : Chimes.
8.1 : Overture—Rebroadcast of 2YA, Wellington.
8.9: Baritone solo—Mr. Bernard Rennell, "Terence's Farewell to Kathleen" (Dufferin).
Soprano and baritone duet—The Dandy Duo, "A Paradise for Two" ("Maid of the Mountains") (Tait).
8.17: Violin solos—Miss Irene Morris, (a) "Le Tambourin" (Rameau); (b) "Liebeslied" (Kreisler).
8.25: Soprano solos—Mrs. Ralph Sierakowski, (a) "Just a Cottage Small" (Hanley); (b) "I Love the Moon" (Rubens).
8.29: Sea shanty—Raymond Newell and chorus—"We're all Bound to Go" (Terry) (Columbia Record 01024).
8.32: Instrumental—Christchurch Broadcasting Trio, "Andantino and Finale" (Gade).

- 8.41: Scottish song and story—Mr. Jock Lockhart, "Bella McGraw" (Lauder).
 8.46: Tenor solos—Mr. Arthur T. Couch, (a) "Till I Wake" (Woodforde-Finden); (b) "Ka Mate" (Te Rangī Hīkaroa).
 8.57: Orchestral—New Light Symphony Orchestra, "Just a Memory" (De Sylva) (H.M.V. Record EB18).
 8.55: Baritone solo—Mr. Bernard Rennell, "That Tumble-down Shack in Athlone" (Monte Carlo).
 Soprano and baritone duet—The Dandy Duo, "The Keys of Heaven" (Broadwood).
 9.2 : Weather report.
 9.4 : Lecture—Mr. D. E. Parton, "Tree Trimming."
 9.19: Instrumental—Christchurch Broadcasting Trio, (a) "Valse Russe" (Bantock); (b) "Gavotte de Mignon" (Thomas); (c) "Spanish Dance No. 3" (Moszkowski).
 9.30: Tenor solo—Mr. Arthur T. Couch, "Mignonette" (Harris).
 Scottish song and story—Mr. Jock Lockhart, "I'm Looking for a Bonnie Lass" (Lauder).
 9.38: Soprano solo—Mrs. Ralph Sierakowski, "A Little Pink Rose" (Bond).
 9.42: "Brunswick" dance programme:
 Tenor solo—Frank Munn, "The Dear Little Shamrock" (Cherry) (Brunswick Record 4332).
 Foxtrot with vocal chorus—Colonial Club Orchestra, "Walking With Susie" (Cottler) (Brunswick Record 4347).
 Foxtrot with vocal chorus—Copley Plaza Orchestra, "Old Fashioned Lady" (Silver) (Brunswick Record 4323).
 9.51: Accordion solo—"Polka Brillante" (Galla-Rini) (Brunswick Record 4060).
 Foxtrot with vocal chorus—Dave Rubinoff's Orchestra, "A Garden in the Rain" (Gibbons) (Brunswick Record 4344).
 Foxtrot with vocal chorus—Colonial Club Orchestra, "That's You Baby" (Gottler) (Brunswick Record 4347).
 Waltz with vocal chorus—Colonial Club Orchestra, "Blue Hawaii" (Baer) (Brunswick Record 4344).
 10.3 : Tenor solo—Allen McQuhae, "Mother Machree" (Young) (Brunswick Record 4332).
 Foxtrot with vocal chorus—Copley Plaza Orchestra, "Dream Mother" (Lewis) (Brunswick Record 4323).
 Foxtrot with vocal chorus—Copley Plaza Orchestra, "I Never Guessed" (Vallee) (Brunswick Record 4333).
 Foxtrot with vocal chorus—Bob Haring's Orchestra, "My Cairo Love" (Zamecnik) (Brunswick Record 4316).
 Foxtrot with vocal chorus—Copley Plaza Orchestra, "Lady of the Morning" (Messenheiner) (Brunswick Record 4333).
 Waltz with vocal chorus—Bob Haring's Orchestra, "Bye and Bye, Sweetheart" (Yellen) (Brunswick Record 4316).
 10.21: Accordion solo—Galla-Rini, "Sicily of Mine" (Tarantola) (Brunswick Record 4060).
 Foxtrot with vocal chorus—Colonial Club Orchestra, "Love Me or Leave Me" (Kahn) (Brunswick Record 4342).
 Foxtrot with vocal chorus—Hal Kemp's Orchestra, "The Things that were Made for Love" (Tobias) (Brunswick Record 4307).
 10.30: Comedian with orchestra—Dick Robertson, "I Kiss Your Hand, Madame" (Lewis) (Brunswick Record 4341).
 Foxtrot with vocal chorus—Regent Club Orchestra, "Dear, when I Met You" (Brown) (Brunswick Record 4314).
 Foxtrot with vocal chorus—Colonial Club Orchestra, "My Sin" (De Sylva) (Brunswick Record 4342).
 Foxtrot with vocal duet—The Cotton Pickers, "Rampart Street Blues" (Robinson) (Brunswick Record 4325).
 10.45: Comedian with orchestra—Sandy McFarlane, "Will You Come to Bonnie Scotland where the Blue-bell Grows" (MacFarlane) (Brunswick Record 4235).
 Foxtrot—The Cotton Pickers, "Kansas City Kitty" (Leslie) (Brunswick Record 4325).
 Foxtrot with vocal chorus—Slatz Randall's Orchestra, "I Get the Blues when it Rains" (Klauber) (Brunswick Record 4331).
 Waltz with vocal chorus—Regent Club Orchestra, "Under the Russian Moon" (Kendis) (Brunswick Record 4314).
 Old-time orchestra—Blue Ridge Ramblers, (a) "Old Joe Clark" (trdtl.); (b) "Golden Slippers" (trdtl.) (Brunswick 313).
 11.0 : Close down.
- 8.28: Mezzo-esoprano solos—Miss Mollie Andrews, (a) "Dream Merchandise" (Bantock); (b) "Invitation to the Dance" (Woodforde-Finden).
 8.35: Violin solo—Mr. Frank Parsons, "Sonata" (Mozart).
 8.40: Tenor solos—Mr. H. A. Johnston, (a) "Prelude" (Johnston); (b) "Thou Art Like a Lovely Flower" (Schumann).
 8.47: Concerted—Male Voice Choir of Vienna, "Die Nacht" (Schubert) (Columbia Record 02836).
 8.50: Relay of Ritz Broadcasting Orchestra.
 9.0 : Weather report.
 9.2 : Soprano solos—Miss Mae Matheson, (a) "How Beautiful Are Thy Feet" (Handel); (b) "Elegie" (Massenet).
 9.9 : Concerted—Male Voice Choir of Vienna, "Der Tanz" (Schubert) (Columbia Record 02836).
 9.13: Instrumental—4YA Broadcasting Trio, (a) "Evening Song" (Schumann); (b) "Spring Song" (Mendelssohn).
 9.19: Baritone solo—Mr. F. M. Tuohy, "The Cobbler's Song" (Fellerton).
 9.23: Pianoforte solo—Mrs. Ernest Drake, "Impromptu" (Schubert).
 9.29: Mezzo-soprano solo—Miss Mollie Andrews, "Love, I Have Won You" (Landon-Ronald).
 9.35: Selections—Band of H.M. Grenadier Guards, "Nell Gwynne Dances" (German): 1. Country Dance. 2. Pastoral Dance. (Columbia Record 01329).
 9.39: Cello solo—Mr. P. J. Palmer, "Serenade" (Sitt).
 9.44: Tenor solo—Mr. H. A. Johnston, "The Lotus Flower" (Schumann).
 9.48: Soprano solo—Miss Mae Matheson, "Ave Maria" (Gounod).
 9.54: Waltz—Royal Opera Orchestra, "Eugénie Onegin" (Tchaikowsky) (H.M.V. Record C1281).
 9.58: Vocal quartet—4YA Harmonists, "In This Hour of Softened Splendour" (Pinsuti).
 10.2 : Close down.

Saturday, August 24

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, AUGUST 24.

- 1.30 p.m.: Relay description of Rugby football matches—Auckland versus New Plymouth High School, and Senior Club Match.
 4.30 (approx): Close down.
 6.0: Children's session, conducted by Cinderella.
 7.0: News and market reports and sports results.
 8.0: Chimes.
 8.1: Overture—The Studio Orchestra, "Peter Schmolli" (Weber).
 8.11: Baritone solos—Mr. Drayton Venables, (a) "Lane of Shadows" (Lennox); (b) "Bravest Eyes" (Crichton).
 8.18: Wurlitzer organ solo—Leslie Harvey, "There's a Rainbow 'Round My Shoulder" (Jolson) (Parlophone Record A2696).
 8.22: Contralto solo—Mrs. B. Jellard, "My Ain Folk" (Lemon).
 8.26: Novelty pianoforte solo—Mr. Fordon Johnson, "Jazz Moments."
 8.31: Vocal duets—Bohemian Duo, Maori Melodies, (a) "Akoako o Te Rangī" (MS.); (b) "Hoea Ra" (MS.).
 8.38: Instrumental—Studio Orchestra, "Cagliostro Waltz" (Strauss).
 8.46: Recitals—Miss Rhona Speed, (a) "Cosmopolitan Courtship"; (b) "Buying Shoes."
 8.54: Wurlitzer organ solo—Leslie Harvey, "Sonny Boy" (Jolson) (Parlophone Record A2696).
 8.58: Weather report.
 9.0: Baritone solos—Mr. D. Venables, (a) "Ninetta" (Brewer); (b) "Entre Nous" (Wingate).
 9.7: Saxophone solo—Rudy Wiedoeft, "Sax-o-Phun" (Wiedoeft) (Columbia Record 4037).
 9.10: Contralto solos—Mrs. B. Jellard, (a) "My Dear Soul" (Sanderson); (b) "Just Because the Violets" (Russell).
 9.17: Instrumental—Studio Orchestra, (a) "Absent" (Metcalf); (b) "Cloze Props" (Charles).
 9.25: Recital—Miss R. Speed, "The Rehearsal."
 9.31: Male voices—Minstrels, "A Minstrel Show" (H.M.V. Record EB39).
 9.39: Pianoforte solo—Mr. G. Johnson, "More Jazz Moments."
 9.44: Vocal—Bohemian Duo, (a) "Titi Torea" (MS.); (b) "Poatarau" (MS.) (Maori Melodies).
 9.51: Instrumental—Studio Orchestra, Latest Novelties.
 10.0: "Brunswick" Dance Programme:
 Baritone solos—Chester Gaylord, (a) "Blue Hawaii" (Schuster); (b) "The One in the World" (Little) (Brunswick 4360).
 Foxtrot with vocal chorus—Bob Haring's Orchestra, "Louise" (Robinson) (Brunswick 4359).
 Foxtrot with vocal chorus—Colonial Club Orchestra, "Peace of Mind" (Dyrenforth) (Brunswick 4356).
 Foxtrot with vocal chorus—Bob Haring's Orchestra, "Huggable, Kissable You" (Bibo) (Brunswick 4359).
 10.15: Violin solo—Fredric Fradkin, "A Kiss in the Dark" (De Sylva) (Brunswick 4318).
 Foxtrot with vocal chorus—Colonial Club Orchestra, "The One in the World" (Little) (Brunswick 4356).
 Waltz with vocal chorus—Colonial Club Orchestra, "My Heart is Blueer than Your Eyes" (Bryan) (Brunswick 4364).
 10.27: Male trio—Earl Burnett's Biltmore Trio, "Love Me, or Leave Me" (Kahn) (Brunswick 4336).
 Foxtrot with vocal chorus—Bob Haring's Orchestra, "Floretta" (Robinson) (Brunswick 4288).

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, AUGUST 23.

- 3.0: Town Hall chimes.
 3.1: Selected gramophone items.
 4.25: Sports results to hand.
 4.30: Close down.
 6.0: Children's session, conducted by Aunt Sheila and Big Brother Bill.
 7.0: News session.
 7.30: Lecture—Mr. H. Greenwood, Librarian, Dunedin Athenaeum, "Book Review."
 8.0: Town Hall chimes.
 8.1: Overture—Philadelphia Symphony Orchestra, "Rienzi" (Wagner), (H.M.V. Records ED3 and ED4).
 8.12: Vocal quartet—4YA Harmonists, "Goodnight, Beloved" (Pinsuti).
 8.16: Instrumental—4YA Broadcasting Trio, "Valse of the Flowers" (Tchaikowsky).
 8.21: Baritone solos—Mr. F. M. Tuohy, (a) "Pagan" (Lohr); (b) "So Fair a Flower" (Lohr).

Foxtrot with vocal chorus—Ray Miller's Orchestra, "In My Garden of Memory" (Buckley) (Brunswick 4352).

Novelty foxtrot—Anglo-Persians, "Dance of the Paper Dolls" (Tucker) (Brunswick 4299).

10.39: Male trio—Earl Burnett's Biltmore Trio, "A Garden in the Rain" (Gibbons) (Brunswick 4336).

Foxtrot with vocal chorus—Ray Miller's Orchestra, "Moonlight and Roses" (Lemare) (Brunswick 4352).

Novelty foxtrot—Anglo-Persians, "The ToyMaker's Dream" (Golden) (Brunswick 4299).

Waltz—Bob Haring's Orchestra, "Dream Boat" (Henry) (Brunswick 4288).

10.51: Violin solo—Fredric Fradkin, "Nola" (Arndt) (Brunswick 4318).

Foxtrot with vocal chorus—The Pleasure Bound Orchestra, "Just Suppose" (Sulvers) (Brunswick 4357).

Waltz—Regent Club Orchestra, "Just Another Kiss" (Davis) (Brunswick 4357).

11.0: Close down.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, AUGUST 24.

3.0: Chimes of the G.P.O. clock.

3.1: Relay description of football match from Athletic Park.

5.0: Children's session, conducted by Uncle Toby and Aunt Gwen.

6.0: Dinner session:

Foxtrot—Nat Shilkret's Orchestra, "Betty" (Christy).

Waltz—Hamp's Kentucky Serenaders, "Where is the Song of Songs For Me?" (Berlin) (H.M.V. Record EA502).

Tenor solo—Maurice Gursky, "Girl of my Dreams" (Clapp) (Zonophone Record 5140).

6.10: Tacet.

6.15: Foxtrots—(a) Nat Shilkret's Orchestra, "A Night of Memories" (Yellen); (b) Geol Olsen's music, "Where the Shy Little Violets Grow" (Kahn), (H.M.V. Record EA503).

Tenor solo—Richard Tauber, "I Kiss Your Hand, Madame" (Erwin) (Parlophone Record AR1017).

6.26: Tacet.

6.30: Instrumental—Raie Da Costa Ensemble, "Funny Face" selection (Gershwin) (Parlophone Record A4074).

Foxtrot—Coon Sander's Orchestra, "My Suppressed Desire" (Miller) (H.M.V. Record EA504).

6.42: Tacet.

6.45: Orchestral—Grand Symphony Orchestra, "Merry Wives of Windsor" (Nicolai) (Parlophone Record A4083).

Orchestral—Piccadilly Orchestra, "Friend o' Mine" (Sanderson) (H.M.V. Record B2855).

6.56: Tacet.

7.0: News session, market reports and sports results.

7.40: Lecturette—Mr. R. Howard Taylor, "Care of the Feet."

8.0: Chimes of the G.P.O. clock.

8.1: Overture—Orchestra, "The Crusader" (Rollinson).

8.9: Vocal quartet—Melodie Four, "Sonny Boy" (de Silva, arrgd. Crowther).

8.13: Comic song and whistling solo—Mrs. Winifred Birch-Johnston, (a) "Delaney's Donkey" (Hargreaves); (b) "C'est Vous" (Green, Sulver).

8.20: Cornet and trombone duet—Messrs. W. Sneddon and H. Oakes, "Watchman, What of the Night?" (Sarjeant).

Novelty—Orchestra, "Two Brass Men" (Lamey).

8.28: Bass solo—Mr. W. W. Marshall, "The Yarn of the Fiddler's Ghost" (Trottere).

8.32: Steel guitar trio—Mrs. Mildred Kenny's Steel Guitar Trio, (a) "Beauteous Isle" (Bickford); (b) "Kamiki March" (Smith).

8.39: Humour—Mr. Len Aston, "Them Were Days" (Gallatley).

8.46: Vocal quartet—Melodie Four, "Doan Yer Cry Ma Honey" (Macy).

8.50: Instrumental—Orchestra request number.

8.58: Weather report.

9.0: Tenor solo—Mr. Sam Duncan, "At Dawning" (Cadman).

9.4: Ventriloquist—Mr. Will Haigh and his pal Johnny.

9.14: Musical comedy selection—Orchestra, "Queen High" (Gensler).

9.22: Baritone solo—Mr. R. S. Allwright, "The Merry Monk" (Molloy).

9.26: Steel guitar trio—Mrs. Mildred Kenny's Trio: (a) "Hawaiian Love Song" (De Lano); (b) "My Hawaiian Hula Queen" (Clark).

9.33: Humour—Mr. Len Ashton, "Don't Do That to the Poor Puss Cat" (Sarony).

9.40: Tenor solo—Mr. Frank Bryant, "The Old Refrain" (Kreisler).

9.44: Vocal quartet—Melodie Four, "Peter the Cat" (Eastman).

9.48: Instrumental—Orchestra, Dance Novelties.

10.0: "Brunswick Dance Programme":

Waltz with vocal chorus—Regent Club Orchestra, "Marie" (Berlin) (Brunswick Record 4257).

Foxtrot with vocal chorus—Hotel Roosevelt Orchestra, "I Kiss Your Hand, Madame" (Lewis) (Brunswick Record 4315).

Waltz with vocal chorus—Regent Club Orchestra, "Where is the Song of Songs for Me?" (Berlin) (Brunswick Record 4257).

Foxtrot with vocal chorus—Hotel Roosevelt Orchestra, "I've Got a Feeling I'm Falling" (Rose) (Brunswick 4315).

10.13: Baritone solo—John Charles Thomas, "Rolling Down to Rio" (Kipling-German) (Brunswick Record 15200).

Foxtrot with vocal chorus—Gerunovich's Roof Garden Orchestra, "Stairway of Dreams" (Stone) (Brunswick Record 4277).

Foxtrot with vocal trio—Gerunovich's Roof Garden Orchestra, "That's the Good Old Sunny South" (Ager) (Brunswick Record 4277).

Foxtrot with vocal chorus—Hotel Roosevelt Orchestra, "I'll Tell the World" (Turk) (Brunswick 4253).

Waltz with vocal chorus—Hotel Roosevelt Orchestra, "Sweet Suzanne" (Leslie) (Brunswick Record 4253).

10.29: Vocal solo—Bob Nolan, "Rose of Mandalay" (Magine), (Brunswick Record 4248).

Foxtrot with vocal trio—Los Angeles Biltmore Hotel Orchestra, "Do You Ever Think of Me?" (Burnett) (Brunswick Record 4217).

Foxtrot with vocal chorus—Los Angeles Biltmore Hotel Orchestra, "Lodding Along" (Caminando) (Brunswick Record 4217).

Foxtrots with vocal chorus—Colonial Club Orchestra, (a) "Naughty Eyes" (York-Locke); (b) "Leave Me With a Beautiful Melody" (Spier-Coslow) (Brunswick Record 4256).

10.43: Vocal solo—Bob Nolan, "Caressing You" (Faziolo-Klages), (Brunswick Record 4248).

Foxtrots with vocal chorus—Hotel Roosevelt Orchestra, (a) "Mean To Me" (Turk); (b) "My Castle in Spain is a Shack in the Lane" (Caesar-Friend) (Brunswick Record 4274).

Foxtrots with vocal chorus—The Clevelanders, (a) "Shout Hallelujah, 'Cause I'm Home" (Dixon); (b) "There's a Place in the Sun for You" (Green) (Brunswick Record 4255).

11.0: Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, AUGUST 24.

2.45: Relay description of Rugby football from Lancaster Park.

4.45 (approx.): Close down.

6.0: Children's session, conducted by Aunt Pat and Peterkin.

7.0: News session.

7.30: Sports results to hand.

8.0: Chimes.

8.1: Overture (rebroadcast of 2YA, Wellington).

8.9: Tenor solos—Mr. W. J. Trewern, (a) "Mignon" (D'Hardelot); (b) "My Gifts For You" (Cadman).

8.15: Piano improvisations and syncopations—Mr. Les. Grummitt.

8.20: Entertainer—Mr. Charles Lawrence will entertain with "Rosie O'Ryan" (Talbot), etc.

8.27: Instrumental—International Concert Orchestra, (a) "La Spagnola" (Di Chiara); (b) "Tesoro Mio" (Becucci) (Zonophone Record EF15).

8.33: Soprano solos—Mrs. L. B. Dalkeld, (a) "Sunshine" (Wolf); (b) "The Valley of Laughter" (Sanderson).

8.38: Humour—Mr. Geo. Titchener, "Water Scenes" (MS).

8.43: Hawaiian steel guitars and ukelele trio—Miss Elaine Moody's Trio, (a) "Sweet Hawaiian Sands"; (b) "Honeymoon Waltz"; (c) "Hula Blues".

8.58: Baritone solo—Mr. Cyril Rishworth, "The Deathless Army" (Trottere).

9.5: Instrumental—Ketelbey's Concert Orchestra, "Bells Across the Meadows" (Ketelbey) (Columbia Record 2695).

9.9: Tenor solos—Mr. W. J. Trewern, (a) "A Vision" (Pontet); (b) "Glorinda" (Morgan).

9.14: Piano improvisations and syncopations on popular melodies—Mr. Les Grummitt.

9.19: Entertainer—Mr. Charles Lawrence will entertain with "I'd Like to live to Ninety-nine" (Kamer).

9.27: Soprano solos—Mrs. L. B. Salkeld, (a) "I Passed By Your Window" (Brahe); (b) "Coolan Phu" (Leoni).

9.33: Humour—Mr. George Titchener, "Casabianca" (MS).

9.40: Hawaiian—Miss Elaine Moody's Trio, (a) "An Old Guitar and an Old Refrain" (MS); (b) "My Own Ionia" (MS); (c) "Where the Shy Little Violets Grow" (MS).

9.55: Baritone solos—Mr. Cyril Rishworth, (a) "Devonshire Cream and Cider" (Sanderson); (b) "Dumbledum Day" (Lohr).

10.1: "His Master's Voice" dance programme:

Baritone solo—Noel Coward, "A Dream of Youth" (Coward) (H.M.V. Record B2737).

Foxtrot with vocal refrain—Nat Shilkret's Orchestra, "Because I Know You're Mine" (Derickson) (H.M.V. Record EA515).

Foxtrot with vocal refrain—Jack Hylton's Orchestra, "I Kiss Your Hand, Madame" (Erwin) (H.M.V. Record EA519).

10.9: Banjo solo—Mario de Pietro, "Frisolous Joe" (de Pietro) (H.M.V. Record B2820).

Foxtrot with vocal refrain—Nat Shilkret's Orchestra, "I Want a Daddy to Cuddle Me" (Ebie) (H.M.V. Record EA515).

Foxtrot with vocal refrain—Waring's Pennsylvanians, "That's How I Feel About You" (Davis) (H.M.V. Record EA516).

Waltz—Jean Goldkettes' Orchestra, "Can You Blame Me?" (Goodwin) (H.M.V. Record EA519).

10.21: Baritone solo—Noel Coward, "Lorelei" (Coward) (H.M.V. Record B2737).

Foxtrot with vocal refrain—New Mayfair Dance Orchestra, "The Egg Song" (Salisbury) (H.M.V. Record EA517).

Foxtrot with vocal refrain—Geo. Olsen's Music, "In a Little Town Called Home, Sweet Home" (Donaldson) (H.M.V. Record EA516).

Tango—Rio Grande Tango Band, "The Tile Trot" (Penso) (H.M.V. Record EA517).

10.33: Comedian—Frank Crumit, "The Road to Vicksburg" (Crumit) (H.M.V. Record EA525).

Foxtrot with vocal refrain—Nat Shilkret's Orchestra, "Broadway Melody" (Freed) (H.M.V. EA524).

Foxtrot with vocal refrain—Waring's Pennsylvanians, "My Castle in Spain" (Caesar) (H.M.V. EA523).

- 10.42: Mandolin solo—Mario de Pietro, "Concert Mazurka" (Calace) (H.M.V. Record B2820).
 Foxtrot with vocal refrain—Nat Shilkret's Orchestra, "You Were Meant For Me" (Freed) (H.M.V. Record EA525).
 Foxtrot with vocal refrain—Geo. Olsen's music, "Makin' Whoopee" (Kahn) (H.M.V. Record EA498).
 10.51: Comedian—Frank Crumit, "The King of Borneo" (Crumit) (H.M.V. Record EA524).
 Foxtrot with vocal refrain—Geo. Olsen's Music, "Until You Get Somebody Else" (Kahn) (H.M.V. Record EA498).
 Waltz with vocal refrain—Rudy Vallee and his Connecticut Yankees, "Sweet Suzanne" (Leslie) (H.M.V. Record EA523).
 11.0: Close down.

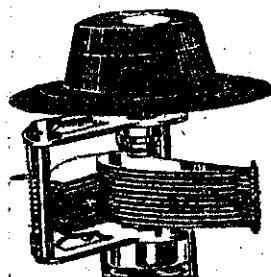
4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, AUGUST 24.

- 2.45: Relay description of Rugby football match from Carisbrook Grounds.
 4.45: Close down.
 6.0: Town Hall chimes.
 6.1: Children's session, conducted by Uncle George.
 7.0: News session.
 8.0: Simultaneous broadcast on relay of Vaudeville programme from 3YA, Christchurch.
 10.0: "His Master's Voice" Dance programme:
 Foxtrot with vocal refrain—Arcadians' Dance Orchestra, "Bluebird, Sing Me a Song" (Davis) (Zonophone Record 5201).
 Foxtrot with vocal chorus—Bert Firman's Dance Orchestra, "Cause I'm In Love" (Donaldson) (Zonophone Record EE123).
 Foxtrot with vocal chorus—Jack Hylton's Orchestra, "Forty-seven Gingerheaded Sailors" (Sarony) (H.M.V. Record EA448).
 10.10: Tenor solo—Franklyn Baur, "At Dawning" (Cadman) (Zonophone Record 5204).
 Foxtrot with vocal chorus—Bert Firman's Orchestra, "I'm a Broken-Hearted Blackbird" (Fields), (Zonophone EE123).
 Foxtrot—All Star Orchestra, "There's a Rainbow 'Round My Shoulders" (Olson) (H.M.V. Record EA436).
 Waltz with vocal refrain—Arcadians' Dance Orchestra, "Nicolette" (Batten) (Zonophone 5201).
 10.13: Male chorus—"Over There" medley (H.M.V. Record EB33).
 Hawaiian—Hilo Hawaiian Orchestra, (a) "Kawaihau Waltz" (Kealakai); (b) "My Hula Love" (H.M.V. Record B2799).
 Male voices—Salon Group, "Sonny Boy" (Jolson) (H.M.V. Record EB35).
 10.25: Bass-baritone solo—Peter Dawson, "Lorraine, Lorraine, Lorraine" (Capel) (H.M.V. Record B2759).
 Wurlitzer organ solo—Jesse Crawford, "A Dream" (Bartlett) (H.M.V. Record EA488).
 Foxtrot—All Star Orchestra, "She Didn't Say Yes, She Didn't Say No" (Strong) (H.M.V. Record EA486).
 Waltz with vocal chorus—Waring's Pennsylvanians, "Just Another Night" (Donaldson) (H.M.V. Record EA462).
 10.38: Male voices—Salon Group, "Jeannie, I Dream of Lilac Time" (Gilbert) (H.M.V. Record EB35).
 Wurlitzer organ solo—Jesse Crawford, "Amapola" (Poppy) (Lacalle) (H.M.V. Record EA488).
 Foxtrot—Waring's Pennsylvanians, "I'm Sorry, Sally" (Kahn) (H.M.V. Record EA462).
 Waltz—Arcadians' Dance Orchestra, "Couldn't You Have Waited" (Mitchell) (Zonophone Record 5215).
 10.50: Male trio—Melody Three, "Pals, Just Pals" (Dreyer) (Zonophone Record EE133).
 Wurlitzer organ solo—Reginald Foort, "Just Like a Darby and Joan" (Gilbert) (H.M.V. Record B2775).
 Foxtrot with vocal refrain—Arcadians' Dance Orchestra, "Juanita" (Flynn) (Zonophone 5215).
 11.0: Close down.

Sunday, August 25

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, AUGUST 25.

- 3.0: Afternoon session—Selected studio items.
 4.0: Literary selection by the Announcer.



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- 4.8: Studio items.
 4.30: Close down.
 6.0: Children's session conducted by Uncle Leo.
 6.55: Relay of service from Baptist Tabernacle Anniversary, Town Hall. Preacher, Rev. Joseph Kemp.
 8.30: (approx.) Studio Concert.
 Vocal quartet—Minster Quartet, "Turn Ye to Me" (Collinson).
 8.34: Baritone solos—Mr. Roy Stephenson, (a) "You Along o' Me" (Sanderson), (b) "Beating Up the Channel" (Sanderson).
 8.41: Orchestral—Columbia Symphony Orchestra, "Faust" Selection (Gounod) (Columbia Record 02708).
 8.45: Contralto solos—Miss Maida Davidson, (a) "Whatever Is, Is Best" (Lohr); (b) "One Fleeting Hour" (Lee).
 8.52: Tenor solos—Mr. A. L. MacPherson, (a) "Shine Out, O Stars" (Day), (b) "Remember Thy Creator" (Topliss).
 9.0: Cello solo—W. H. Squire, "Album Leaf" (Glue) (Columbia Record D4214).
 9.4: Vocal duet—Miss G. Hosking and Mr. MacPherson, "Love Divine" (Stainer).
 9.8: Band—Garde Republicaine de France, "Carmen—Entr'acte" (Bizet) (Columbia Record 02747).
 9.16: Soprano solo—Miss G. Hosking, "Sometimes in Summer" (Bennett).
 9.20: Vocal quartet—Minster Quartet, "On the Banks of Allan Water" (Newton).
 9.24: Band—Royal Air Force Band, (a) "Our Director" March (Bigelow), (b) "Repaz Band March" (Sweeley) (Columbia Record 01354).
 9.31: Close down.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, AUGUST 25.

- 3.0: Afternoon session—Selected studio items.
 4.30: Close down.
 6.0: Children's song service conducted by Uncle George.
 7.0: Relay of service from St. Thomas's Anglican Church (Preacher, Rev. C. V. Rooke; Organist and Choirmaster, Mr. W. A. Gatheridge).
 8.15: (approx.) Relay from His Majesty's Theatre of concert by the Wellington Municipal Tramways Band under the conductorship of Mr. B. Franklin.
 Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, AUGUST 25.

- 3.0: Afternoon session—Selected studio items.
 4.30: Close down.
 5.30: Children's song service conducted by Rev. L. McMaster.
 6.15: Hymn chimes from studio.
 6.30: Relay of service from St. Paul's Presbyterian Church (Preacher, Rev. W. Bower Black; Musical Director, Mr. H. Blakeley; Organist, Mr. Norman Williams).
 7.45: (approx.) Studio Programme:
 Instrumental—J. H. Squire Celeste Octet, "Serenade" (Titl) (Columbia Record 9116).
 Mezzo-soprano solo—Mrs. Sen Jowett, "Where the Bee Sucks" (Arne).
 Baritone solo—Mr. J. Francis Jones, "Galilee" (Adams).
 Violin solo—Fritz Kreisler, "Liebeslied" (Kreisler) (H.M.V. Record B985).
 Mezzo-soprano solos—Mrs. Sen Jowett, (a) "When Daisies Pied" (Arne), (b) "Birds in the Night" (Sullivan).
 Baritone solo—Mr. J. Francis Jones, "Thou'rt Passing Hence, My Brother" (Sullivan).
 Violin solo—Fritz Kreisler, "Liebesfreud" (Kreisler) (H.M.V. Record B985).
 8.15: (approx.) Rebroadcast of 2YA, Wellington (relay from His Majesty's Theatre of concert by the Wellington Municipal Tramways Band).
 Close down.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, AUGUST 25.

- 3.0: Town Hall chimes.
 3.1: Selected gramophone items.
 4.30: Close down.
 5.30: Children's song service, conducted by Big Brother Bill.
 6.30: Relay of service from Trinity Methodist Church: Preacher: Rev. H. B. Bellhouse.
 8.5: Relay from His Majesty's Theatre of concert by the Kaikōral Band under the conductorship of Mr. T. J. Kirk-Burnand.
 9.15: Close down.

Interesting Statistics

A GENOAN paper cites the following interesting statement—"It is estimated that in the world to-day, 70 million homes are equipped with a radio set of some description. In Europe at the end of 1927 there were 5,896,655

licensed listeners, and at the end of the following year, 7,162,950. However, in certain countries, for instance, France, Spain and Belgium, there is no tax on listeners, and thus it is very difficult to compound statistics. On January 1, 1929, a radio census was taken in Germany, and the result showed that there were 2,635,000 houses in which there were radio sets."

THE term "motor-boating" is one which is rather aptly used in order to describe the peculiar and characteristic reiterated "put-put-putting" noise which is sometimes present during the operation of receivers which are worked in conjunction with a "B" battery eliminator.

A Common Fault.

PARTICULARLY is motor-boating liable to set in when the receiver contains a low-frequency amplification circuit of the resistance-coupled variety.

However, the bark of the trouble is, if it may be put so, worse than its bite, and with a little careful thought and modification of existing apparatus the amateur may generally rid himself of the trouble.

condensers require to be controlled with reasonable accuracy. If a set motor-boats, a condenser of some unsuitable value may have been included in the circuit—the capacity value of the condenser generally being on the low side.

Careful attention to the details of the set's construction in the above respects during the course of its building will nearly always result in the

Silencing Motor-Boating

A Type of Trouble Frequently Encountered

Further Tests Necessary.

IF it does, however, do not be content to let matters rest there, for the use of a grid leak of very low value may be detrimental to the reception. On this account, therefore, if other grid leaks are available try them out in place of the newly-added leak; until a value of leak which just brings back the motor-boating into the reception is obtained. The next lowest value of grid leak to this will constitute the best one for the purpose.

Difficult cases of motor-boating are often caused by an imperfectly-designed resistance in the resistance-coupled amplifying unit of the set. The usual value of the resistance used for this purpose is 100,000 ohms (.1 megohm). This value of resistance may be quite satisfactory for working with dry B batteries, but when it is used in conjunction with an eliminator, the latter may tend to supply an excess of current to the amplifying valve, and unless this is combated by the employment of

a higher resistance, motor-boating may set in.

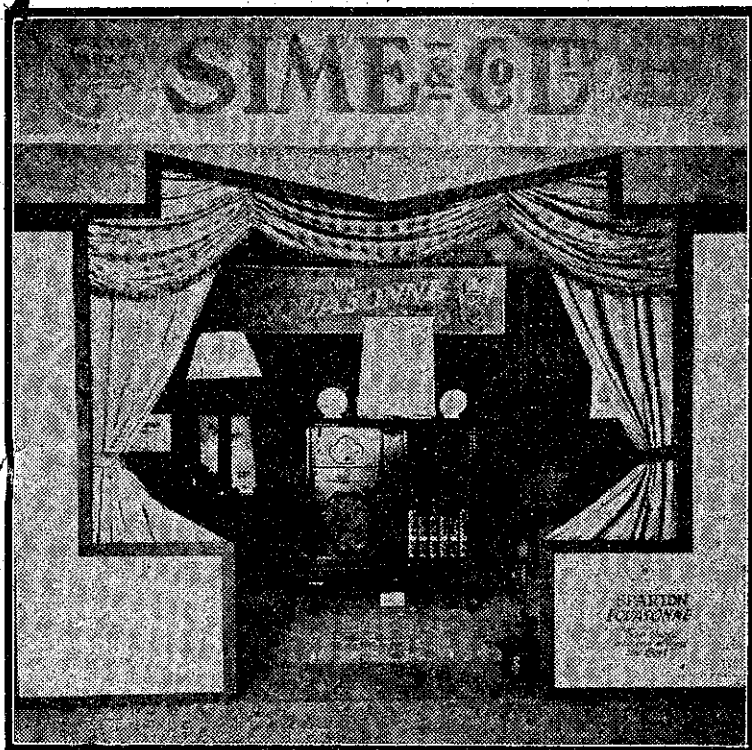
Effect of Current Leakage.

IF, therefore, the remedies suggested above fail in any case of motor-boating, it will be probable that the cause of the trouble will lie in this direction, particularly if it is found that the set works satisfactorily when used in conjunction with an ordinary B battery.

Of course, it must not be forgotten that any small imperfection in the fixed condensers in the amplifying circuit may set up the trouble. Motor-boating, for instance, may very well set in if one or more of the small condensers suffer a leakage of current. In every case of this trouble, therefore, it is advisable to test every condenser systematically.

Take each condenser and charge it up by placing it in contact with the poles of a single cell. After this, set aside the condenser on a sheet of glass or ebonite for a minute or so. Then connect the condenser across a pair of headphones.

At the moment of contact, a very distinct click should be heard in the phones, signifying that the condenser has been storing a charge and has given it up at the moment of contact. A condenser which will not store a charge in this manner should be regarded with grave suspicion, and, if (Concluded on page 26.)



Sime and Co.'s stall at the Exhibition.

Many Causes.

IT is a difficult matter to ascribe the cause of motor-boating to one particular set of circumstances. The complaint may be due to many causes acting together. In general, however, it may be said that motor-boating is the result of the set's amplifier (particularly if it be a resistance-coupled amplifier) being more sensitive to low frequencies than to high frequencies.

Therefore, the traces of the alternating current hum which may, perhaps, escape the eliminator, are considerably amplified, and these, combining with the received modulations, of current, give rise to a periodic impulse of current, which, as we have said above, creates the "put-put-put" effect in the loudspeaker.

Motor-boating may be the result of the general ill-design and construction of a receiver, or, on the other hand, if may just be due to some particular component being unsuited to that particular circuit.

As an example, in resistance-coupled circuits which are employed with battery eliminators the values of the con-

finished receiver being quite free from the objectionable complaint.

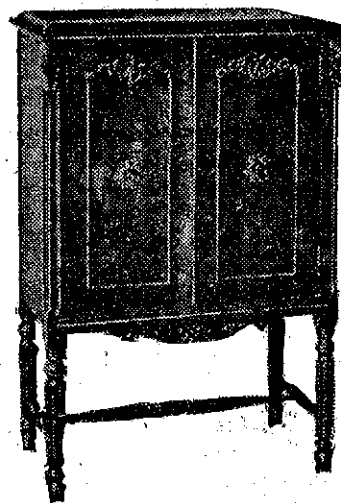
Finding a Cure.

ONE method of attacking the problem is to leave the set itself untouched, and to increase the capacity of the eliminator circuit. A 2 or 4-mfd. fixed condenser placed across the output terminals of the eliminator may mend matters.

If, however, the annoyance persists after this trial has been carried out, try reducing the resistance of the grid leak on the power valve. This can readily be effected without touching the existent grid leak on the circuit. All that has to be done is to connect the extra leak in parallel with the existing one.

The latter thereupon will be cut out of action, the current leakage taking place through the newly-added grid leak, which will be, of course, of lower resistance than the standard leak. A good value of grid leak to try out for this purpose is approximately .05 megohm. Very likely this treatment will succeed in eliminating the motor-boating completely.

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Laboratory Jottings

Courier Radio, Mack's Short-wave Sets

Courier Radio.

ON the night of Friday, August 2, the writer journeyed to Takapuna, Auckland, to hear a demonstration of the "Courier" Sets.

The first set was the "Courier QR3," using an aerial approximately 70 feet long, with a 15-foot lead-in, and having an earth lead about 8 feet long. 2YA, tuned in about ten minutes past nine, was far too loud, and toning-down became necessary. Turning to 2FC a couple of moments later, the reception was good, loudspeaker strength being maintained throughout. 4QG was logged without any difficulty, and 7ZL was more than satisfactory.

This set, although only a battery-operated model, has several distinct features of noteworthy design that should be of interest to those interested in a good, inexpensive receiver.

A new model at present being placed on the market by Messrs. J. Wiseman and Sons, Ltd., the manufacturers of all "Courier" products, is the model E.S. electric screen grid receiver.

This set incorporates a smoothing circuit, which supplies the electricity at the correct voltage to the valves, and, using component parts suitable to the design of this circuit, a silent and safe operation is ensured. The radio circuit employs an electric screen grid, special detector, and pentode valves,

a combination which gives excellent performance at a low cost.

This "Courier" model is made for an electric power supply of 230 volts, 50 cycle A.C., which is the usual electric supply in New Zealand. The "Courier" will not operate on any other supply.

Made up in a cabinet of metal, finished in deep bronze, with a panel of lighter shade, it is extremely attractive, and designed to fit in with any furnishings. A jack at the side of the cabinet allows for a gramophone pick-up, thus enabling the "Courier" to be used as an electrical reproducing machine.

On performance, this machine measured up very well, using no aerial. Several New Zealand stations were logged, and 2FC was received with volume and purity that would be hard to equal. The same may be said of 4QG, 8LO and 7ZL, the other Australian stations received.

"Macks" Famous Short-Wave Receivers.

RADIO construction is developing at a fast rate in New Zealand, and the latest all-New Zealand set that we have tested, Mack's Famous Radio Sets, are admirable examples of what we can produce. These sets have been designed by Mr. E. R. McCarthy, familiarly known as "Mack," and are assembled by him. The coils are made by

a New Zealand firm, as is also the very attractive metal case in which they are assembled. Neatness and efficiency are the outstanding qualities of these short-wave sets.

The Add-a-phone is a two-valve short-wave adapter designed to plug into any set or amplifier. This is a fine that should appeal to all who have a broadcast receiver and wish to adapt it to short-wave. The unit may be used as a separate single valve short-wave set, as an amplifier for a gramophone pick-up, or as a short-wave unit. The 'phones may be plugged in in the usual manner, a station tuned in, and with the 'phones still connected the amplifier of a broadcast receiver may be plugged in. Thus, a pair of 'phones and speaker are both being used simultaneously, with the amplifier on the 'phones alone. This enables very fine tuning and adjustment. A gramophone pick-up may be plugged in, and the signals superimposed on those coming in on short wave on both 'phones and speaker.

The reaction deserves special mention. As all short-wave enthusiasts know, smooth oscillation is something always desired, but seldom attained. Mack has attained it. By rotating gradually, the 200/1 vernier dial, the set goes into oscillation with an almost imperceptible hiss. The dials employing a ball-bearing in a unique fashion, are remarkably smooth in their operation.

The larger sets embody audio stages, but the detector circuit is identical with that of the Add-a-phone. Frequencies as high as 300,000 kilocycles (10 metres) may be tuned in. Mack has also designed coils to tune down to 5 metres.

Only first grade components have been used throughout this set, and the result is that every set can be fully guaranteed. Each one is submitted to an individual test before being turned out.

THE Parisian municipal authorities are considering what action shall be taken in regard to listeners' aeriels. The roofs of the city are disfigured by all kinds of masts and wires, many of which are not even properly fixed, but sway about in an alarming manner with every gust of wind. Some of the more daring even fling their aeriels across the streets in pursuit of the elusive millivolt.

Motor-Boating

(Continued from page 25.)

possible, should be replaced by another.

Suspect the Condensers.

IN brief, therefore, the cause of motor-boating is generally an affair of condensers. If the trouble starts in your set, suspect the condensers first of all. They may be too low in capacity, or they may be faulty in construction.

It is a hundred chances to one that attention to details such as these will effect a cure of the trouble. If not, however, a remedy must be sought in other directions; and in the points enumerated in the above columns it will almost certainly be found.

News Items

THE 21 stations of the B.B.C. operated for some 68,000 hours for the year 1928. At the end of the year 2,850,342 licenses had been issued, of which 13,826 were gratuitous.

A RECENT innovation in India is a new type of car designed for patrol work on rough roads. It is armoured, and the wireless transmitter and receiver can be operated while on the move.

THE fees paid to certain American artists for their services over the air read like an extract from the "Arabian Nights." Al Jolson receives £1000 for a quarter of an hour in front of the microphone and Paul Whiteman, the father of jazz orchestras, receives the same. The highest paid female star is Fanny Brice, who receives £500 for five songs.

IN one of the first-class carriages in a train which left Milan on Friday June 23, there had been installed a receiving set. This experiment was a great success, and proved very popular with the passengers. It has been decided that radio is to be installed in all first-class carriages as a result of this successful trial.

RADIO LISTENERS' GUIDE—1929-30

A comprehensive yet elementary treatment of Radio, written for both Beginner and Experienced Constructor.

Radio in New Zealand;
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Power Transformers;
The Browning-Drake Receivers;
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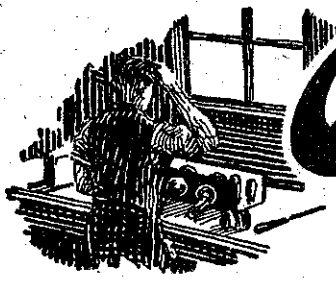
Pick-up Attachment demonstrations in your own Home.

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Questions and Answers



In Brief.

"A. J." (Tauranga). The resistance lamp required for the charger is made by Philips Lamps, and is numbered 329. If unobtainable locally, it may be had from Philips Lamps, N.Z., Ltd., Hope Gibbons' Buildings (Wellington).

"C. R.W." (Rodney). The dampness will probably affect the speaker unit. It will be safer inside.

"C. R.W." (Oha). The second R.F. valve is not neutralised. The neutralisation process has been fully described in the "Listeners' Guide," but if you do not feel competent enough to do this, take it to a dealer. You are losing a great deal of signal strength as well as quality.

"C. H." (Karori). We shall describe an amplifier such as you require in a forthcoming issue of the "Radio Record."

"P. V.P." (Auckland). Your request for an additional audio stage will be dealt with in a future issue of the "Radio Record."

"E. G.F." (Gore). Your case is rather unfortunate, and it seems that unless you use a counterpoise nothing can be done in the way of interference elimination. However, when the opportunity offers, we shall devote some space to the question of interference elimination.

R.F. Booster.

"G. B." (Waikato), in sending a diagram of a R.F. booster, using the parallel feed method of applying voltage to the plate of the R.F. valve, asks:

1. Would this be suitable with any type of three-valve receiver?

A.: By employing the parallel feed, the objection to the original booster does not hold. The set may be earthed to the primary without the danger of blowing the valve. It would not be suitable if the three-valve set already comprised a stage of radio, a stage of audio should be added.

2. Would it be improved by using a tapped aerial inductance instead of a R.F. transformer?

A.: Signal strength would be improved but selectivity impaired.

3. Could I use a .001 variable condenser in the aerial?—"Yes."

4. Would a choke of 500 turns be O.K. in the booster?—"Yes."

Two-Inch Coils.

WHAT will be the number of turns and size of wire for the Browning Drake coils if wound on 2-inch formers? asks "W.S." (Whangarei).

A.: Two-inch formers are rather unsatisfactory for the Browning Drake.

A very large number of turns has to be wound on in order to get the requisite inductance. In this manner, too much resistance is introduced, and the point of maximum efficiency is passed. Two and a half-inch formers are a satisfactory compromise between the 2 and 3-inch formers. The aerial coil will comprise 86 turns of 20 standard wire gauge spaced, with the tap at the twenty-seventh turn. The radio frequency transformer when tuned with a .00035 inductor requires 80 turns of 20 swg. spaced wire, for the secondary. The primary will comprise about 22 turns jumble wound.

2. Will a series condenser affect the number of turns on the coils?

A.: No; it will affect capacity—that is, it will alter the reading of the tuning condensers.

3. Will a choke comprising 1000 turns of 36 enamelled wire in ten slots be suitable for this receiver?—"Yes."

4. What is the possibility of using two 112 valves in parallel in lieu of one 171A as last stage amplifier? What "B" and "C" voltages would be necessary?

A.: Used in parallel two 112A's would not be the equivalent of one 171A, but used in push-pull they would give slightly better results. 150 volts plate and 18 volts grid bias are necessary.

This correspondent has made suggestions which will appear in a future issue of the paper.

Screen Grid and Pentode.

"W. G.W." (Napier) asks:

1. As an all-wave set, will the S.G. detector pentode combination give better results on short wave than the two audio and detector using ordinary valves?

A.: This type of set gives excellent results if carefully made and used, but here difficulties present themselves, and unless the correspondent is an experienced constructor he would be advised to use the detector and two audio, with a pentode in the last stage if he wishes.

2. Is it possible to sue A.C. on the filament of the last valve, and D.C. on the filaments of the other valves?

A.: A slight ripple will probably be present, and the correspondent would have to decide for himself whether this will impair the quality of the signals. If he has the facilities, he could do no harm by making the experiment, as there is no risk to the damage of the filament providing the A.C. voltage is the same as that required under D.C. conditions. Operating the last valve from A.C. would be quite satisfactory as far as the broadcast bands are concerned.

Adaptation to Short Wave Set.

"A. D.P." (Hastings). This correspondent in constructing the short-wave adapter described in the "Radio Listeners' Guide," finds that he could not procure the formers and bases as illustrated, so he has resorted to the five pins and sockets, as in the last year's short-wave set. He sends a diagram, and asks us if the corrections are correct? Unfortunately, this latter is none too clear, and we cannot advise him definitely either yes or no. The correspondent's idea as far as we can judge appears to be correct.

2. Does it matter which way the reaction coil is connected to the choke and condenser?

A.: It is advisable to reverse the connections to see which is the better. No harm can be done, and the experiment is nearly always worth while. The correspondent states that he cannot get life in his speaker. This, of course, points to a wrong connection. If he still cannot get the coils to function correctly and sends fuller details with a larger, clearer lay-out sketch, we may be able to help him further.

A Grid Bias Problem.

"J. J.W." (Ranunga), who is using a factory made neutrodyne with five

201A's and a 171A in the final stage with 180 volts on the plate, states that he can get splendid results without distortion by disregarding his "C" batteries. As soon as these are connected up, distortion immediately becomes evident.

A.: 171A to be worked at its maximum efficiency requires 40 volts grid bias, with 180 on the plate. It appears that the grid bias battery has been reversed, and a positive bias has been applied to this valve. Try reversing the connections on the small battery, and if results improve, increase the bias to 40.

Two R.F. Browning Drake.

WHERE is the best place to put the 2000 ohm resistance specified for the Two R.F. B.D.? writes "A.B." (Wadestown).

A.: In such a position that the plate leads are shortest and clear the grid leads.

2.: Could the two dials be replaced by a single drum dial?

A.: Yes, and if balancing condensers are used, very little sensitivity will be lost.

Designation of Terminals.

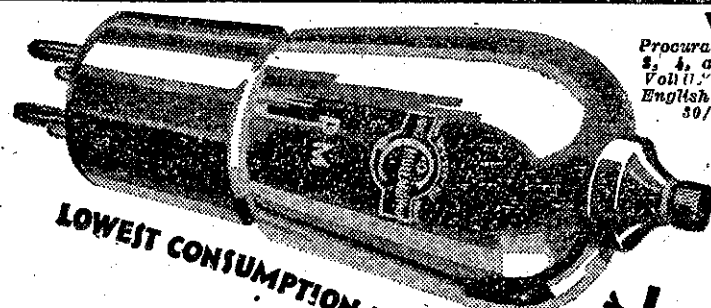
"C. M." (Clevedon) has had to deviate from specifications in the construction of an amplifier owing to his transformer differing from that shown. He asks:—

Is the terminal "G" on my transformer the same as "G.B." on the Ferranti?—No. It corresponds to "grid," and "P" corresponds to "grid bias."

Can I use AF3 in this set?—Yes.

I am using PM4. Is this O.K.?—Yes, but PM3 would give greater amplification.

(Concluded on page 30.)



LOWEST CONSUMPTION—HIGHEST EFFICIENCY

Enormous H.F. amplification without the use of any external neutralising is the outstanding advantage of the new Mullard P.M. Screened Grid valve. So great is this amplification factor—actually from 60 to as much as 80 per H.F. stage—that one Mullard Screened Grid Valve may advantageously be employed where two H.F. stages are now necessary. Moreover, reaction can often be dispensed with entirely, thus simplifying receiver design and greatly improving quality.

The screened grid is additional to the usual filament, grid and anode, and is situated between the grid and the anode, effectively screening one from the other and reducing capacity feed back to a minimum. The connection to the screen is through the normal anode pin, the anode being connected to a terminal on the top of the valve. Thus the Mullard Screened Grid Valve can be plugged into any standard type of valve-holder.

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¶ The 4 volt (P.M. 12) takes a filament current of only 0.075 amp, while the 2 volt valve (P.M. 12) requires no more than 0.15 amp. This is due to months of laboratory research, testing and counter-testing and to the remarkable efficiency of the wonderful Mullard P.M. filament.

The new Mullard A.C. Valve will fit any American Electric Set and improve results.

Anode Bend Detector Unit

Local Reception with Minimum Distortion

(By "MEGOHM")

LISTENERS who are situated in close proximity to a main broadcast station have a problem forced upon them that is unknown to those who operate at a considerable distance. This problem is the one of avoiding overloading of the broadcast detector valve by the powerful signals from the local station. It is quite possible to detune a multi-valve set so that good local reception is the result, but on the other hand some receivers do not oper-

two or three valves are cut out for local reception. The reduction in valves will almost invariably result in improved reception.

The most usual method of adapting a receiver for the local station is to provide a crystal detector in place of the usual grid-leak detector, the rectified signals being fed to the audio amplifier. This system has met with considerable success, though it is by no means so near perfection as many suppose. Much depends upon the state of the crystal, and it must be remembered that slight distortion of any kind that might pass unnoticed when listening to crystal reception with headphones, would be very evident when amplified.

Anode Bend for Clarity.

WITH a view to obtaining, if possible, better reception than is obtained under certain conditions with a crystal, or too many valves, in cases where heavy volume is required from the local station—and there are few valve-set owners who do not want it—the writer has experimented with anode bend detection, and now presents a detector unit that can be absolutely relied upon to give flawless reception of the local station, and which may also be used in conjunction with a gramophone pick-up to give high amplification and quality music. It is, of course, understood that the amplifier to follow the detector is capable of

giving the required volume without distortion.

The present space will not permit the theory of the anode bend detector being dealt with, but it suffices to say

register, an aerial of not less than 30 feet is recommended. This will bring in more volume than is required, but is reduced by means of the variable resistance across aerial and earth, the value to be not less than 10,000 ohms. A good value is 200,000.

The number of turns in the primary coil is not critical in any way, and may be regulated according to the constructor's judgment. Six turns near to the station with a long aerial, and perhaps eight or nine with short aerial. Up to twelve turns or more, as distance from the station is increased, say over ten miles. It is not possible just now to give the range of this unit, but probably up to 20 miles heavy volume will be obtainable with a good aerial and two good stages of audio amplification.

Construction.

AS there is no necessity for making the unit selective, any variable condenser that will tune the coil may be used, and the shape of the plates is immaterial. Constructors will have many of the parts on hand, the total list comprising variable condenser, tuning coil, rheostat, potentiometer, resistance, half-microfarad condenser, valve holder, terminals, and connecting wire. A vernier dial is not required.

The minimum size to accommodate the components comfortably will be 8½ by 5½ in. for the panel and 7 by 5½ in. for the baseboard.

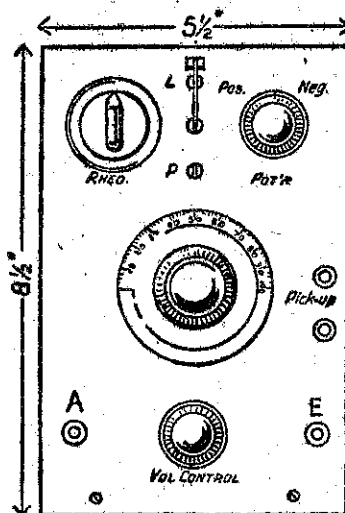
The small primary or aerial coil of six or more turns, should be of a slightly less diameter than the secondary or main tuning coil, so that it will slip inside the top end. This coil may be of 18's or 20's d.c.c., and may be wound upon a 1-inch collar of celluloid or cardboard, and secured to it with celluloid cement. It is convenient to cut the ends close to the coil and solder to each one, a length of flexible connecting wire to run to the aerial and earth terminals respectively. It should be noted that this is the only part of the circuit directly earthed. The secondary coil is only earthed by its connection to the A battery.

The condenser and 3in. coil to work together are as follow:—.0005 condenser and 56 turns, .00035 and 67 turns, .00025 and 78 turns. The coil should not be space wound. The above turns are for 20's wire, but thinner wire will require fewer turns, particulars of such being obtainable on page 136 of the "Listeners' Guide." Fewer turns will bring in 1YA and 2YA.

Wiring is clearly shown in the diagrams, only two filament leads being placed under the base. Outside leads are shown as continuous wires, which may be cabled together, or provided with terminals at suitable positions.

The potentiometer actually used was a 2000-ohm variable resistance, altered to provide a connection at each end of the resistance strip, but a lower value could be used. The valve-socket must be the usual side-grip pattern, and on no account the old American flat-spring type. The rheostat is to suit the valve and battery voltage—a 30-ohm is a good all-round value.

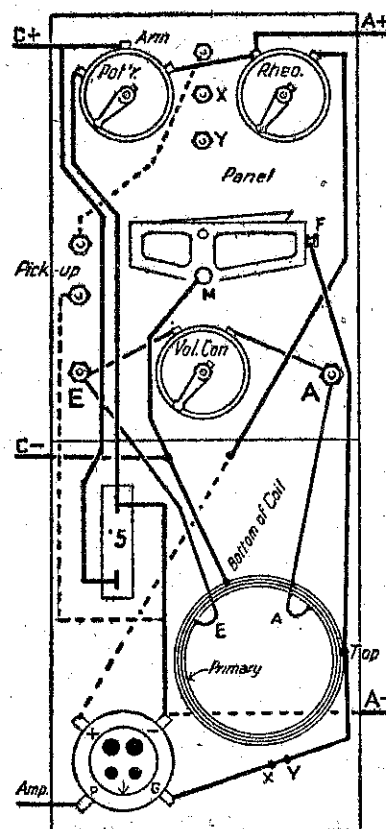
In use, note which side of the potentiometer (the right in diagram) is connected to A negative. The correct position for grid bias must be found upon



Front Panel

ate satisfactorily under such conditions.

Moreover, the local station being the one upon which the average receiver operates for a much longer period than any other, there is considerable economy with battery-operated sets when



Baseboard and Back of Panel

that this system of detection dispenses with the usual grid leak and condenser, and in their stead a negative bias is imparted to the grid of the valve. Such a detector is less sensitive than the leaky-grid type, and therefore requires stronger signals, but there is no lack of these near the transmitter. On the other hand, this detector has the desirable property of being able to handle greater volume without distortion than can the leaky variety. Reaction is not required for local reception.

The detector is presented in unit form for convenience of description, but may easily be adapted for incorporation in any receiver if necessary. Bias is applied to the grid of the valve by a 4½-volt dry C battery, the bias being regulated to a nicety by a potentiometer connected across the filament battery, the arm connecting to the positive pole of the C battery.

Aerial and Volume Control.

A SHORT aerial of only two or three feet of wire may be used, but to get full effect of the lower musical

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that half of the resistance by judgment of quality when listening to good volume on the loudspeaker. Try the effect of using both the 3-volt and the 4½-volt taps on the C battery.

Best results have been obtained with a valve of not less than 50,000 ohms impedance, with 90 volts on the plate, connected to a good make of audio transformer with high inductance primary. This combination gives very fine reproduction, brings out the bass well, at the same time giving prominence to the melody, with a general brilliant effect. Much lower plate voltage results in a weakening of high notes and want of clarity in the bass. The same may be said of lower impedance valves tried, which at their best did not appear to come up quite to the higher impedance one, especially

up, the local station is received, and with it down the pick-up may be used.

The lead from plate of valve connects to the primary of first audio transformer, and the other primary terminal of transformer to detector B positive voltage.

Preceding remarks concerning the valve apply equally when using the pick-up, but as the amplification is great when using the detector valve, soft gramophone needles should be used. The soft tone Tungstyle semi-permanent needles are quite suitable, but for use with an amplifier only the loud tone would be required. A volume control, potentiometer pattern, must be provided to be placed across the pick-up leads, and room could no doubt be found for this on the panel if desired.

Connections to the A battery must be made so that the main switch for the receiver also switches off the supply to the unit, so that the potentiometer drain is cut off when the receiver is not in use.

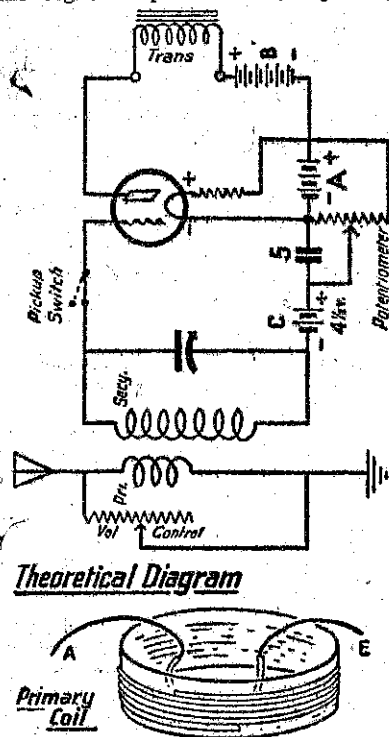
The ideas of different individuals vary greatly as to the valve to use for detection, and how to use it, and though in a recent article, the writer made a few general remarks upon the subject, the best advice to constructors is to spend a little time in finding out which valve and voltage best suits their own conditions, remembering that small changes often have a big effect upon results.

If the use of a scratch filter appears necessary, do not trouble to put one in, but take it as a reminder that the audio equipment may possibly need a little improvement. It is an easy matter to replace mediocre transformers by good ones, and is always worth while. Present-day records have very little scratch—perhaps it would be more correct to say "practically none."

Pick-up connections are shown dotted in the diagram, and if a pick-up is not to be provided for, these connections and the small two-way switch are omitted.

The method of connecting and disconnecting the unit to the amplifier by switching or otherwise must be arranged to suit the conditions. A jack controlling filament and plate supplies would also cut out the potentiometer. The plug would be connected to the amplifier, and would be inserted in another jack to connect the amplifier to R.F. and ordinary detector. Another method is to connect the arm of a two-way switch to the plate terminal of the transformer primary, the tickler to one contact, and plate of local detector to the other. The switch then changes over for local and distance. Batteries are then separately cut off. If the local filament is cut out with the rheostat, then only the A and B supply for R.F. and detector stages of the receiver remain to be provided for.

The writer feels certain that constructors of this unit will find that they have taken a good step forward on the path of better reproduction. In our next issue a further article on this topic will appear.



Theoretical Diagram



when using the pick-up. Too high a voltage tends towards scratchy tone.

Connections for Pick-up.

THE method shown for connecting a gramophone pick-up allows the changing from local to gramophone or vice-versa by merely throwing over a small two-way switch which is situated at the top of the panel. When the pick-up is in use the tuning coil is entirely disconnected from the grid circuit, so that there is little chance of hearing the local station in the background if it is working whilst the pick-up is in use. Terminals may be provided at the side of the panel for the pick-up tags, one of these connecting to a lower switch contact and the other to A negative. If a pick-up is to be used, the wire from coil top to grid is cut at XY, and the two ends are connected over the top of coil to X and Y respectively on the switch. With the switch

D.X. Notes

Identification Wanted.

I HAVE heard a station from 10 p.m. onwards, the last few Thursday evenings, with market reports, vocal items, and later band numbers. The call sounded like KCRM and the wavelength given was 43.53 metres. The announcer was American. Would it be KZRM, Manila, Philippine Islands? —"Puzzled" (Wellington).

An American to Identify.

I HAVE recently heard an American station, but have not heard his

call. The voice and music comes in very plainly on the loud-speaker, but although I have waited patiently for him to announce his station, I have not yet heard him do so. Unfortunately fading occurs when a musical item is completed and volume returns after he has announced. This station has been broadcasting, at intervals, a description of the St. Louis Robin endurance flight, which lasted 420 hours 21 minutes. The signals came through very plainly at times and I would be more than obliged if you could tell me who and where the station in question is.—"Beginner" (Hastings).

RADIO DIRECTORY

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147 Queen Street, Auckland. |
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| CROSLY RADIO | Abel, Smeeton, Ltd.,
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Interesting Tests

MR. R. L. Jones writes:—2ME, Sunday, August 4, G.M.T. (Amalgamated Wireless, Australasia, Ltd.), provided shortwave listeners with some interesting tests, when testing with GHB (England), on 28.5 metres. The actual tests being given as from 1800 to 2100 G.M.T. The station was to resume again next day at the same time. Many are the vagaries of the atmospherical conditions, and Sunday, August 4, was no exception to the rule, and there is not the slightest doubt that local interference was to some extent responsible for intermittent bubbling, in reception, and slight fading.

KDKA was not up to usual strength, and clarity during the afternoon. Even

spectacular games ever seen in Sydney.

No doubt many shortwave listeners would perhaps tune in 2ME, and not hearing a voice or music, think the station was not on the air; but the 1000-cycle note will in future act as a guide to listeners.

It is a fact that when such stations (on shortwave) as WGY, and KDKA (America) are received "off colour" in Wellington, one can generally expect trouble with other stations from overseas, and invariably a keen listener, who is used to working certain stations on familiar wave-lengths, can foretell what we are likely to get in and around Wellington.

Last Sunday, August 4, KDKA (Pittsburg) on shortwave, broadcast some old-time songs which were very enjoyable indeed. They included

PHI Now on the Air

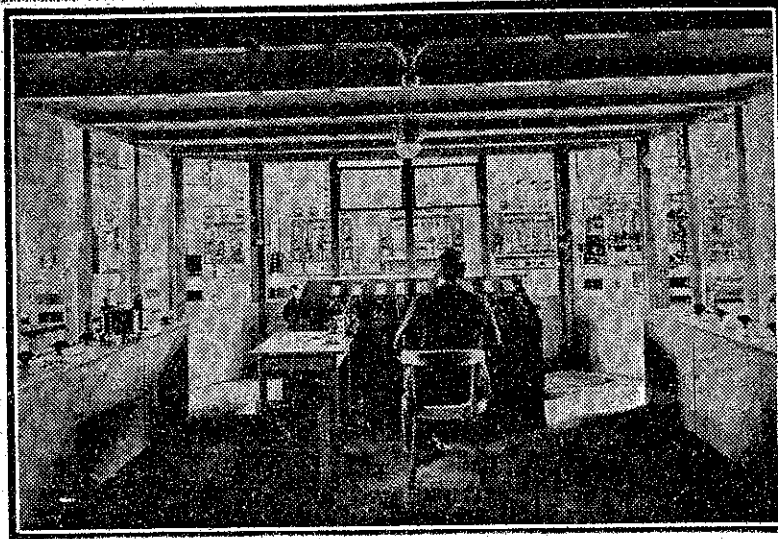
World's Largest Short-Wave Station

SHORT-wave set owners all over the world have reported excellent reception of signals from PHI, the new short-wave broadcasting station, owned and operated by Philips Radio, at Huizen, Holland.

PHI is now the largest station of its kind in the world, and although essentially a short-wave station, it is built to the design of a typical long-wave station, and embodies all the

the picture, the city was controlled by one man, who, seated at a huge desk, had at his finger-tips the buttons, switches, dials, etc., with which he could control all heating, lighting, time and power in the city.

The resemblance of this fancied man of the future and his apparatus to the accompanying photograph of the controller of PHI is remarkable, as not only is the apparatus similar, but



The controller at PHI has the entire station at his finger-tips. Without leaving his seat he can read all the instruments, while with the small receiving set on the table he can check the outgoing transmission.

with the excellent transmitter and power 100,000 watts, 2ME (Sydney), had to force its message through troubled ether; but the interference was not so noticeable as with many broadcast stations, probably owing to the penetration power of that very fine station, 2ME.

The tests were taken in sections, first a 1000-cycle modulation, and then reading; the latter proving of great interest to listeners, the Sunday papers providing news of the day, including latest racing, football, topical news, and weather reports. One particular Rugby Union match was stated to have provided one of the greatest thrills and

"Asleep In the Deep," "Rosy O'Grady," "After the Ball," and "A Bicycle Made For Two."

KDKA was unable to pick up the reply message in Morse from Commander Byrd satisfactorily, and the station signed off at about 4.14 p.m. (New Zealand time).

Commander Byrd and party must feel a keen sense of appreciation for the wonderful work being done by the General Electric Coy., New York, also the Westinghouse Coy., Pittsburg.

Many of the message broadcast from both KDKA and WGY on alternate Saturdays (Sundays here), are of a very private character.

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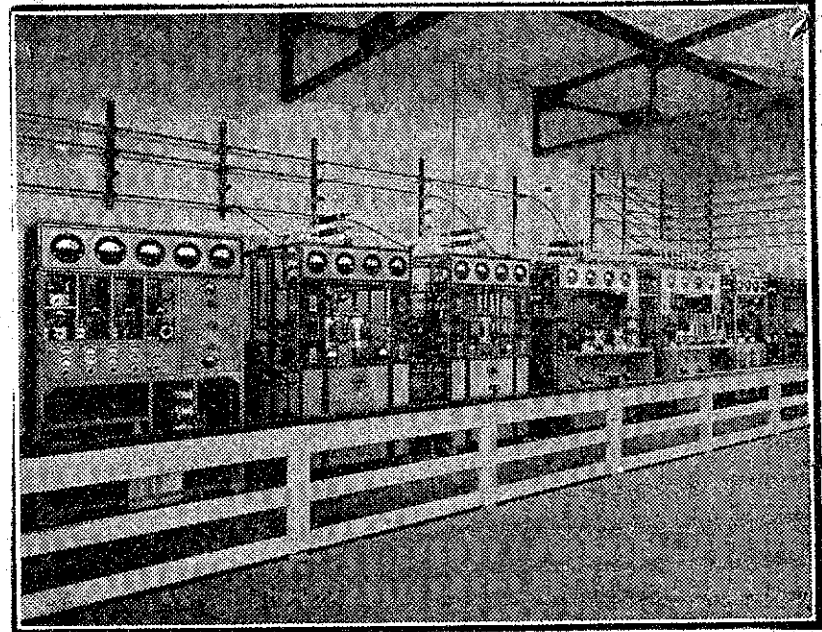
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A view of the transmitter at PHI, the new short-wave broadcasting station owned and operated by Philips Radio. To ensure safety for the operators, the valve heating controls are mounted on the railing in the foreground, making it unnecessary for any person to approach too closely to the transmitter when in operation.

most simplified and centralised methods of operation. at PHI the entire station is controlled by one man.

Picture-goers will remember a sensational movie which was released some time ago, depicting the city of high frequency energy of 40 kilowatts, Metropolis in the 21st century. In or when necessary 60 kilowatts.

Questions and Answers Wireless for Ships

(Continued from page 27.)

Wiring a Crystal Set.

"R. R.P." (Christchurch): Can you tell me the best wire to use for: (1) To wire a crystal set?

A.: 18 gauge square busbar makes the neatest job, but any insulated wire of gauge not finer than 24 will be suitable.

(2) What is the best size to make a coil?

A.: 18, 20 or 22 wire, D.C.C., unsheathed. This may be used for wiring the set also.

Charging Problems.

WHEAT is the maximum number of "B" battery blocks, each 20 volts, I can charge at one time with a Tungar Charger? asks R. R. Reader (Rotorua).

THE International Conference on

Safety of Life at Sea, which was held recently in London, has brought under the convention, all ships engaged in international voyages except ships of less than 1600 tons gross, and subject to the right of each administration to postpone the application of the requirements to ships between 1600 and 2000 tons, ships are to carry an efficient wireless installation and a qualified operator.

A.: Charge four blocks in series.

2. What kind of lamp should I insert when charging the "B's"?

A.: 105 volts, 60 watts, metal filament household electric lamp.

(Continued from page 32.)

At 5.15 p.m., ZL4BC was very rough at R9. At 4.30 p.m., WXSAL was R5-6. RFM, at 9.45 p.m., was not modulating at R9. At 10 p.m., ZL2BE was testing with records. Very enjoyable at R9. Keep it up, O.M. At 10.25 p.m., ZL2AX was R9, but speech was muffled.

Monday, August 5.

AT 10 a.m., W2XAD was R5-6. V. clear. At 1.25 p.m. they were R9, describing arrival of Graf Zeppelin. At this time they were the best that I have ever heard an overseas short-wave station. R9 and crystal clear. Boisterous speaker strength, and 100 per cent. readable.

W2XAF was R8, but very "bulbly," and W8XK was R5. These were also relaying the landing. At 2.10 p.m. the foreigner on 20.5 metres (VPD?) was R8. Duplex telephony was being carried out with another foreigner a few degrees above (about 21.2 metres). The latter was R6. At 10.30 p.m., RFM opened after their regular half-hour interval at R9. Excellent, but QRM (static) was bad. They open with what sounds like sleigh-bells.

Tuesday, August 6.

AT 10.20 a.m., G5SW was very poor at R7. WAXAD signed off at 3.30 p.m. at R9. Y. clear. RFM at 11 p.m. was excellent at R9. Music was actually heard for a change.

Wednesday, August 7.

AT 5 p.m. W6XN was R9. V. clear, but surging badly. This station has also deteriorated lately. Anybody who is interested in the "movies" should tune in W6XN on 23.35 metres at 2.30 p.m. on Wednesdays. The R.K.O. (Radio Keith Orpheum) hour commences then. This is the new title of F.B.O. pictures. On this hour I have heard Charles Chaplin sing "Old Man Sunshine" and "The Blackbirds are Bluebirds Now." He has a very quiet voice. Irene Rich, famous film star, one afternoon (Wednesday) gave her impressions of the "talkies." Several others have also been heard. So movie fans are well advised to construct or purchase a shortwave receiver.

At 6.10 p.m., VK2ME was weaker than usual and very unsteady. R8. ZL2AX was heard at 10.25 p.m., chatting to another ham. R8-9. V. unsteady, and modulating poorly.

At 10.50 p.m., WXSAL was R6. Clear and readable.

Duplex Telephony

Some Interesting Notes

MR. A. P. Morrison (Brooklyn) reports having heard wireless duplex telephony between New York, London, and Paris on Sunday, August 4, between 12.30 a.m. and 2.30 p.m. New York was conversing with France between 12.30 a.m. and 1 p.m., New York working on 20 metres and Paris approximately 22 metres. Conversation was of a private nature. The American end mentioned he was speaking from Seventh Street, New York, both sides of the conversation was heard quite well, speech being quite audible. New York was heard to call London

a little after 2 p.m., but the writer failed to find the London station, although America evidently was receiving him quite well. Conversation was carried on until 2.30 p.m. New Zealand time, when New York closed down.

I have heard duplex telephony between eight different countries, namely, tests between Australia and Java and Suva, Australia and America, Germany and Australia, America and Java, Germany and America, Germany and Buenos Aires, America and France, Holland and Java, and America and England, and last night, Sunday 4th, America calling the Graf Zeppelin by wireless telephony on 46 metres, so the above goes to show how far advanced duplex telephony is becoming. Any country in the world using wave transmissions are heard here in New Zealand. The higher powered stations, such as America and Holland, are 100 per cent. readable.

A great number seem to think that shortwave reception is a jumble of distorted music and speech, but such is not the case. Musical programmes are to be heard from many parts of the world, and it is not always necessary to sit up till the small hours of the morning to hear them. To you who desire jazz music, tune into America, where you will hear the latest, but America is not all jazz as people sometime imagine. Some of the finest music and singing I have heard has come through the American stations, and all Americans do not sing through the nose.

Saturday afternoon our old friend, PCJ, Holland, puts over a special for New Zealand and Australia, and quite an enjoyable programme of music.

Russia also renders some fine music and singing.

Then again there is 5SW, Chelmsford, England, if you wish for a little music while having breakfast you can tune into that station providing the ripple and Morse is not interfering.

I HAVE mentioned a few of the main S.W. stations, but I might state when sitting down to tune a short-wave receiver you never know who you will receive for new stations are always coming on the air.

It is quite possible you may like boxing as a sport. I have been lucky enough to hear quite a number of world champions described. Of course 99 per cent. are decided in America, and most contests have come across very well.

ALTHOUGH I do a great deal in short-wave listening I do not forget we have a local station, and think it was above the odds that the football descriptions were stopped. Last Saturday, on the relay from the Park, I was wishing a Graf Zeppelin would come over and take that Old Boy barracker up to the King Country. Cannot Henry Ford put a silencer on the market?

If space will permit I would like to say a little on D.X. reception on the B.C. band. No doubt I am a little late in mentioning the subject. A little time ago a young D.X. enthusiast sent his log into "Radio Record," and a week or so afterwards his log was questioned. Why I do not know. Any old radio enthusiast will bear me out in this. As far back as 1925 listeners here in New Zealand were bringing in KGO, California, using only a one-valve outfit (am I not right, Graytown?) and even then one had to have about a dozen witnesses of a reception

in order to convince doubters. To go one better, America was tuned in by using an inside antenna on a one-valve outfit. I witnessed this reception myself with three others, so why question anyone with a four-valve set?

Why, with a set like that one should be able to bring in both the North and South Poles, with a coup of Byrd expeditions included.

There lives in New York a young lady by the name of Jannie Millen, who is a cripple and confined to her bed. She has a one-valve set and her list of stations logged to date is 593, two Australlans at that, and she is the proud possessor of a handsome cup presented to her by a Chicago radio manufacturing firm.

VK2ME, Sydney, has been heard conducting duplex telephony tests with England, but to-night, August 6, is the first time I have heard the British station. At 5.30 p.m. GBX, Rugby, was heard calling 2ME; modulation good, strength R7 to 8, wave 27 metres. The latest American callbook for S.W. stations gives the Rugby station call as GBS.

COOK (in 1935): "I shall be leaving at the end of the week, ma'am."

Mistress: "Oh, dear, haven't I tried to make you comfortable?"

Cook: "It's your televisior, ma'am, I can't hardly see my young man's face in it."

Marconi and the Dominions

IN a recent interview, Signor Marconi informed the "Daily News" that he could see no reason why the Mother Country should not be linked up with the Dominions by wireless telephony.

He declared that official sanction was all that was needed before establishing a regular commercial service, such as Germany's beam telephone to South America. As an illustration of this possibility, Signor Marconi remarked on the success with which the Thanksgiving Service had been relayed via Canada to the Dominions on July 7.

He said that this in itself was proof that there were no technical difficulties in the way of his project, and the only reason that he could attribute to the hitherto non-establishment of the beam telephone was perhaps the selfishness of the Post Office in its desire to keep wireless telephony for its own exclusive use, and to leave wireless telegraphy to us.

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S-O-S

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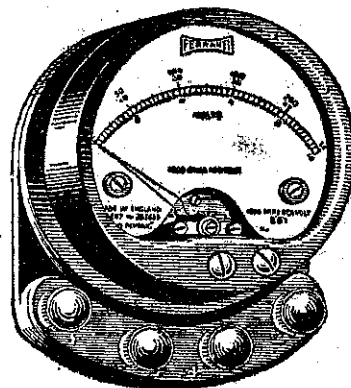
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Topical Events.

A DANISH short-wave experimental station installed at Lyngby on several occasions has rebroadcast the Copenhagen programmes on wavelengths in the immediate neighbourhood of 30 metres. It is stated that, in future, these relays will be carried out on 19 metres, at irregular intervals for the present, and that the power of the transmission will be raised to some 10 kilowatts.

"Tristan" Tunes In.

AS reported some time ago, the loneliest island in the world, that of Tristan da Cunha, will now be able to listen in to 5SW, for, early last January, the inhabitants of the island were presented with a short-wave set.

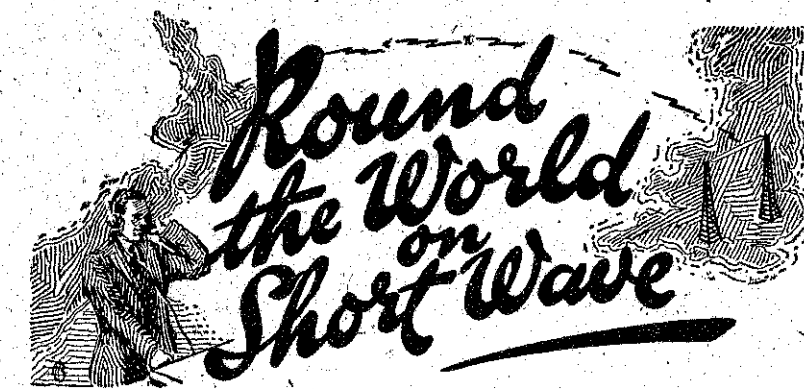
The receiver was taken out by the Rev. A. G. Partridge, when he sailed to assume the chaplaincy of the parish of the island. On the way out the Rev. Partridge was given detailed instructions on the operation of the set. There was some trouble at first, but this was found to be due to a fault. The set eventually operated excellently, and between Monte Video and Tristan reception of 5SW at 6000 miles was constant every night, often at good loudspeaker strength.

Vienna Concerts.

SHORT-WAVE experimenters will be interested to know that Vienna short-wave transmitter tests every Tuesday and Thursday on a wavelength of 49.4 metres. This will probably be extended to include Wednesdays and Saturdays. (New Zealand listeners should tune in for this station during the early morning of Wednesday, Thursday, Friday and Sunday.) A correspondent has reported a stranger on about 50 metres during the early morning; possibly this is the station.

The following extract from a recent issue of "The Listener In" (Australia) under the head of "Wireless Institute of Australia" should be of interest to all short-wave listeners in New Zealand:—

"Since the Federal president inaugurated his weekly schedule of 'phone transmissions on the 42.6 metres and 21.3 metres band, he has been nearly inundated with reports from both metropolitan, country, and inter-State listeners, which goes to show how much interest is being taken in short-wave re-



ceivers at the present moment. It is also safe to assume that the majority of them are not able to read a word of code, but being interested in short-waves, are also interested in the problems the institute is attempting to solve. The transmissions of VK3BM will therefore be continued from about 1.30 p.m. on every Sunday afternoon; (3 p.m. New Zealand time) beside the transmission of gramophone items, it is the intention of H.K.L. (H. K. Love, Valency Road, East Malvern) to put over some educational talks on the subject of short-wave radio, and the work of the institute. After closing down he will change over to the receiver, and listen for inter-State transmitters, and will then work two-way conversations for the benefit of listeners, so that they may tune in both stations and know how it is done."

Vagaries of Short-wave Reception.

THE following, by W.L.S. in "Modern Wireless" (England) is of interest:—

"Will anyone ever be able to advance a satisfactory theory for some of the amazing variations and freaks noticed exclusively on short-waves? I could go on repeating instances of them until I had both tired myself and my reader. I could spend years trying to tabulate them and bring some semblance of order into the happenings, but we should be no nearer an understanding.

"Why, for instance, are some of the most powerful American amateur stations only just audible on a night when W2XD is roaring through, while on another night they are rattling the 'phones over here when W2XD is a still, small voice?

"Why, on a morning when only the United States '6's and 7's (down the Pacific Coast) are coming through, does a solitary '4' in Florida suddenly arrive at enormous strength, although there are hundreds of others in his district all working at the same time? I wonder whether a grand series of organised tests by all enthusiastic short-wave receiving stations in the country (such as RSGB, TRS's) would help to straighten matters out at all? The most puzzling feature of all is the extraordinary way in which receiving conditions vary in a quarter of a mile or even less.

"I have come upon a most extreme case of that this month, in which one receiving station heard shoals of Australians and New Zealanders one morning, while the other did not log one, but heard United States and South America, neither of which could be heard at the first station. The distance apart is about 150 yards. That

is enough to make one sceptical about whether there is any rhyme or reason in the whole business."

The writer has noticed the same applies here when comparing notes with friends and correspondents.

The Week.

I HAVE not been able to listen much during the past week.

During the afternoon of Saturday, August 3, PCJ by the way of a change, during their special New Zealand-Australian programme departed from the usual gramophone items, and transmitted a few items by the "Phillips Happiness Boys." Reception, which was good before, went off about this time—4.30 p.m.

The Graf Zeppelin.

THROUGH the kindness of Mr. Morrison, who rang me up saying that 2XG was talking to the "Zepp." I was able to hear what was said. On Sunday, August 4, from before 8 p.m. onwards W2XG, on about 44.5 metres, was calling "Hullo Denne" (the call letters of the Graf Zeppelin). "Please advise us if you get us. Let us have your position and probable course. Please communicate with us on 'phone on 63 metres."

The message was repeated many times, with slight variations. DENNE could not be heard on 63 metres here, nor apparently by the American station, as they were still trying when I gave it up.

"GBX, Rugby, England speaking," has been heard several times recently, testing with VK2ME, Sydney. The test consists of readings with the call at intervals.

GBX comes in at good strength, with at most times a noisy background.

An Unidentified Foreigner

S. CONNER (Wellington) writes inquiring whether any other short-wave listeners have heard a foreign station working on about 51 metres. The writer hears this station every night, but cannot get the call. He continues: "The announcer speaks in broken English, and plays much of the latest jazz music. Mr. Conner has also heard RFN, Siberia, on his old wavelength, 72 metres, on August 1, and he is, there tonight.

Our correspondent concludes in complimenting 2YA on the fine programmes which it now puts over the air. He was also pleased with the recent relay from Wanganui, which he declares was the best programme he has heard in his three years of listening.

The Week's Shortwave

Correspondent's Log

READING of Mr. Sellens's misfortune, H.E., Christchurch, sends his log for the week.

Saturday, August 3.

AT 11.30 a.m. PCJ was R7; clear and fairly steady. W2XAD from 1.30 to 3.30 p.m. were excellent at R9. During the last hour dance music was relayed from Reilly's Lake House, Lake Lonely, Saratoga Springs, New York.

At 4 p.m., PCJ was R8-9. Clear and steady. 3ZC, the local short-wave station was excellent at R9. A very fine programme was given till 5 p.m. W8XK at 3.30 p.m. was R8, neither clear nor steady. At 2.30 p.m. a stranger (foreign) was heard. A duplex telephony at R8 on 20.5 metres. The other station could not be located. The stranger was, I think, VPD. Suva, talking in his native tongue. At 6.15 p.m., VK2ME was excellent at R9, reading for GBH, Rugby, England. ZL4BC, Dunedin, was R9 at 6.15 p.m., but speech was rough. At 6.40 p.m., ZL3CR, of this city, was working ZL3BC, Scargill, North Canterbury. ZL3CR was excellent at R9. This 'ham has a transmitter to be proud of. He uses roughly 7 watts. ZL3BC responded at R9 on key. At 6.50 p.m., ZL2BE, Hastings, was excellent at R9, working ZL2AB, Otaki (R9 on key). At 10.30 p.m., ZL3CR was working ZL2AX. Both excellent at R9. At 11.40 p.m., RFM was heard, once again after a few weeks' absence. Excellent at R9. All talk. At midnight ZL2BE was very good at R9.

Sunday, August 4.

AT 11 a.m., ZL3BB, Christchurch, was playing records at R9. W2XAD from 1.15 p.m.-3.30 p.m. was very good at R9, relaying dance music for the last hour from the Hotel Ten Myck in Albany, N.Y. W2XAF, relaying the same programme, was also R9; but the former was much the clearer.

(Concluded on page 31.)

FOR SALE OR EXCHANGE

The rate for small advertisements under this heading is 2/- cash for 20 words, and twopenny for every other word thereafter.

FOR SALE.—Complete Electrified Wireless Set; Radiola 25 Super Heterodyne 6-Valve with Loudspeaker; Philips "B" and "C" Battery Eliminator; Westinghouse battery charger, A.C. regulator "A." Apply District Publicity Office, Wellington.

STALLOY-TRANSFORMER.—Strips 36 x 1 inches 2/- doz. Other widths proportional. Also supplied cut, punched. Special quantity quotations. Johns Ltd., P.O. Box 471, Auckland.

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199 Tubes, 6/6; 201A, 4/6; 200A, 6/6; Walnut Table Cabinet, 25/-; Wander Plugs, 2/9 dozen. R.H. Co., 553 Colombo St., Christchurch.

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