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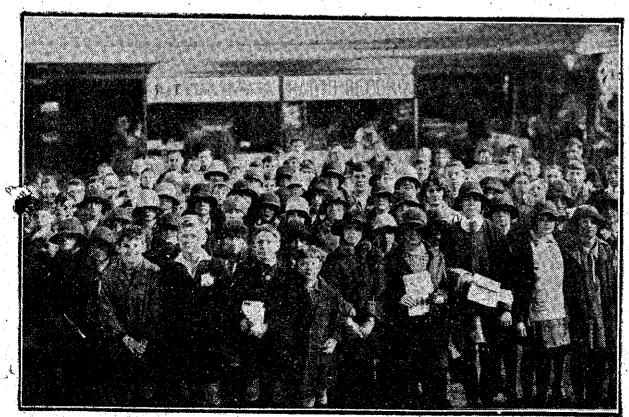
First Radio Exhibition Exceeds Expectations

THE first Radio Exhibition ever held in New Zealand was staged in the Wellington Town Hall on July 25, 26 and 27, and proved a wholehearted and unqualified access. In the course of the three days over 7000 people visited the exhibition, evincing throughout an intense interest, not only in the splendid range of exhibits provided on the various stalls, but also in the modus operandi of broadcasting, as displayed by the model studio erected by 2YA station on the central platform of the Town Hall. A feature of the exhibition was the pleasure displayed, by country isteners in particular, in making contact with the popular announcer of 2YA, Mr. Clive Drummond, known as the "Good-Night Man."

IN spite of bad weather, the first radio exhibition held in New Zealand-suggested by the "Radio" Record" and organised by this paper, in conjunction with the radio branch of the Electrical Federation—was an unqualified success. The official opening took place on Thursday evening at 8 p.m., when the Hon. J. B. Donald, Postmaster-General, officially opened the exhibition in the presence of over a thousand people. Throughout

the day the Town Hall had been fairly well attended, both by school children and adults, and in the evening, in spite of the inclemency of the weather, a surprisingly good total resulted.

In introducing the Minister, Mr. A. Heighway, managing-editor of the "Radio Record," and chairman, of the Radio Exhibition Committee, thanked the audience for their attendance, and expressed the hope that they would be interested in the exhibits as displayed and entertained by the programmes specially arranged for the occasion by station 2YA. The purpose of the exhibition was to afford the public one comprehensive view of the latest developments in radio, and so popularise radio as a social amenity. He conveyed a special apology from Mr. A. R. Harris, General Manager of the Radio Broadcasting Company, who ' had hoped to be present, but -Continued on page 2



Group of primary school children listening intently to an address by Mr. W. M. Dawson. - Robson photo.

The Exhibition

(Continued from front page.)

had been detained by business. In his apology Mr. Harris expressed the hope that the fullest success would attend the exhibition, and stated that, with the stabilisation now af-forded the industry by the modern A.C. set and the highly efficient battery sets, there was no reason why anyone should refrain from purchasing a regeiver and enjoying the benefits of radio broadcasting.

Formally Opened.

Mr. Heighway then introduced the J. B. Donald, Postmaster-General of New Zealand, to whose care broadcasting was entrusted. In formally declaring the exhibition open, Mr. Donald said :--

"As one who is very interested in wireless, it gives me very great pleasure indeed to be here to-night at the the rights of the minorities. open this exhibition. I wish to concongratulate the exhibitors, not only tion of enstodian of the public interest,

also on the splendid way in which their to keep abreast of the times. The Sec-general desire was expressed, exhibits are displayed.

"This exhibition serves as an object lesson on the phenomenal growth of radio. Born only eight years ago, as far as age counts, it is an infant, but no one will deny that it is a very lusty infant indeed. Already its voice is heard in 44,000 homes in New Zenland. Five years ago there were less than 2000 licenses.

"Nadio is now a part of our every-day life. Generally it is looked upon as a means for the dissemination of news and as a method of entertaining, but other uses were demonstrated when it was the only means of communication with districts stricken by the recent earthquake.

"There is no need for me to tell this audience of the difficulties encountered by the administrative side. You all know how hard it is to construct programmes that will give satisfaction to a majority, and it is only patural that it should be so, but we must recognise Popular invitation of the Radio Committee to modern music probably makes the widest appeal, but the educated taste in gratulate the committee on its enter- classifical music must not be everprise in holding this exhibition and to looked. My Department is in the posi-

on the excellence of their exhibits, but and everything possible is being done retary of the Department has recently been at the Postal Conference in London, and I hope we shall learn much from his observations in England and America.

"Without doubt, wireless is making wonderful strides, and the improvements which are taking place almost every month go to show us that before long we may expect to have some wonderful things brought to our notice.

"I know because of this there are some people who will not buy a radio set, stating that they are waiting until wireless becomes better. These people have been waiting for years to secure the set that will be to their absolute satisfaction. To those who are waiting I would suggest that they try out the instruments they see before them, and I am sure they will be hard to please if they cannot find at least one that will give them satisfaction, and a great deal of pleasure. Further, if they do secure one of the present-day sets, it will give them a better idea as to when the time has come for them to secure, say in a year or two, the ultimate instrument upon which they have set their hearts.
"I would like to express my appre-

ciation of the way in which dealers in New Zealand have met the Depart-ment by refraining from selling sets likely to cause amoyance to other

"Looking around this ball this even in the ing, one is sirned by the improvements stration made of recent rears in the design of permitted. receiving sets. Every cabinet is es- visitors to judge the tone of the sentially a piece of drawing-room fur- various instruments displayed on the receiving sets. Every cabinet is eshiture, a fitting object for the centre stalls. of the family circle.

"Mr. Heighway, ladies and gentlemen I will not detain you. I declare the Exhibition open and I wish it every success,

Bright Incidents.

A FLASHLIGHT photograph of the opening ceremony was then taken, after which a promenade concert, arranged by 2YA, was performed from the Exhibition Studio. During the evening two intervals of twenty minutes each were given, so that portion of the audience sitting in the gallery might inspect the stalls. During these intervals the chairman, Mr. Heighway, introduced Mr. Clive Drummond, announcer of SYA, and Mr. John Ball, editor-announcer of the Badio Broadcasting Company, to the audience, and stated that, in response to requests from many country listeners there present, those gentlemen would be pleased to meet any who cared to make themselves known. This incident provided a bright feature of the gathering, and the invitation was promptly availed of by many. It was surprising to note the distances from which many of the audience came, visitors being present from places several hundred miles from Wellington. General sur-prise was confessed by many of those meeting Mr. Drummend for the first time at the contrast between his actual appearance and the prior conception built up by the listener from hearing his voice.

Arising out of this occurrence, a mothers in particular, to meet Aul Gwen, and accordingly it was arrang ed promptly that Aunt Gwen should he in attendance on the afternoon of Friday and Saturday between the hours of 3 and 4.20 p.m., in order to make the acquaintance of mothers and children who are members of her large radio family,

It was also announced during the evening that arrangements were being made for accommodating, on Saturday afternoon, those who wished to listen to the rebroadcast of the final Test Match in Australia, as described by station 2ME.

The promenade concert, as given in the main by the Wellington Muni-cipal Tramways Band and the Welsh Choir, supplemented by individual local talent, was an outstanding success, all in the hall thoroughly enjoying the occasion and, what is more important, listeners over the air receiving a very clear impression of an extremely animated, happy and inspiring gathering.

The Second Day.

SUCCESSFUL as was the opening function, it was far eclipsed by the second day, and outstripped again by the attendance on Saturday, the third day. The hall on Friday likely to cause annoyance to other the third day. The half on Friday listeners. All receivers seld in New Zealand are submitted for Departmental examination and approval, and prevailed. Demonstrating during the over 200 different types have been course of the promenade concert tested.

We will be approved this hell this seem of the promenade concert was, of course, not carried out, but intervals quiet demonstation This 2YA gn allowed Keen and discriminating in-

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proved one of the high spots of the teresting experience. exhibition. Aunt Gwen, of course,

Catering for Children.

to attend the exhibition on the mornings of Thursday and Friday, under conduct of their masters, as guests of the exhibition. On Thursday narning large parties from several schools attended and enjoyed a cruschools, being favoured with better was accorded a very hearty reception

terest was shown, the one complaint weather, visited the exhibition and on being introduced by Mr. Drumof the stall-keepers being that they appreciated their thoroughly good mond. found themselves unable to cope inspection of the stalls. On this The exhibition closed at 11 p.m. on adequately with the rush of inquiries occasion the children were addressed Saturday, with everyone connected The children's session on Thursday by Mr. A. Gibbs, Chief Telegraph with it in the highest spirits at the evening was given from the Town Engineer of the Post and Telegraph brilliant result achieved by the enter-Hall, and in the opinion of many Department. This was a most in- prise. The first radio exhibition in

officiated at the microphone, and the dance was again large, the proportion tionably will contribute to the exwhole session went through with de- of children being very high, the draw, pansion of radio in this country. The lightful ease and spontaneity.

On Saturday atternoon the attentionably will contribute to the expansion of radio in this country. The public was Aunt Gwen. It was impossible on surprising and, although the returns this occasion to give the children's actually secured at the exhibition session from the Town Hall, owing were in themselves extremely good, INVITATIONS had been given to session from the Town Hall, owing children from the primary schools to the rebroadcast of the Sydney Football Test Match.

ON Saturday evening the special vaudeville programme arranged by 2YA sufficed to draw a record house to the exhibition, both galleries Flashlight Photographs sade round the stalls. Educational and floor being filled throughout the value was added to their visit by a major part of the evening. The brief lecture from Mr. W. M. Daw vaudeville programme, as arranged, Copies Available to Public railway stations and on trains in son on "Radio." On Friday morn- was of outstanding merit. It was ing the severity of the weather pre- plain that the opportunity of seeing vented the children from attending these performers so frequently heard as arranged. On Saturday a large over the air was highly estimated by number of pupils from secondary the public. Each of the performers

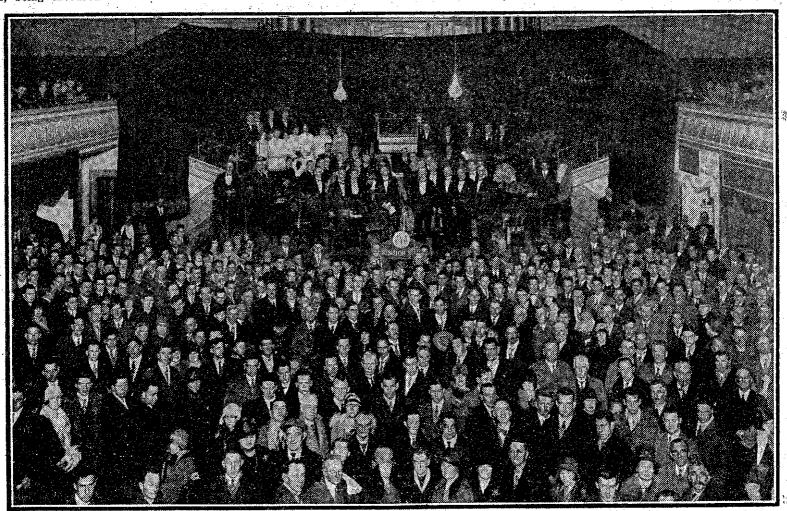
The exhibition closed at 11 p.m. on the Dominion had been successfully On Saturday afternoon the atten- staged with an eclat which unquestraders feel that they will reap much additional benefit from the venture in the form of stimulated sales in their shops.

ON each of the three evenings of the Radio Exhibition, flashlight photographs were taken of the large crowd assembled on the main floor. These

photographs are interesting in them-selves, as proof of the great popular interest taken in the event, and will be of historic value as recording the opening of the first radio exhibition in New Zealand. The photographs are so clear that individual faces are easily discernible, and many people may wish to secure copies of the photos as per-manent mementoes. In this issue we reproduce the flashlights taken on each of the three evenings.

Those who would like copies may place their orders for the particular evening desired with us on the basis of 2s. 6d. per unmounted copy, and 3s, mounted. Postal notes may be sent to "Radio Record," P.O. Box 1032, Wellington, and copies will then be posted with minimum delay direct to inquirers. Please state clearly which evening's 'flash" is desired.

A COMPANY has been formed in work in Hungary, Rumania, Germany, and Canada. Experiments with the same end in view are being carried out in England, but as yet nothing definite has been done.



FLASHLIGHT OF THE OFFICIAL OPENING OF THE FIRST RADIO EXHIBITION HELD IN NEW ZEALAND.

This scene shows the official opening, on Thursday evening, of the Radio Exhibition held in the Wellington Town Hall, July 25, 26 and 27. The Hon. J. B. Donald, Postmaster-General, officiated. He is seen to the right of the central microphone and Mr. A. J. Heigh-Also on the stage way, editor "Radio Record" and chairman of the Radio Exhibition Committee, to the left of the central microphone. (from left) are: Messrs. J. Davies (station director), C. J. Ralph (Exhibition committee), J. Ball (editor-announcer), Clive Drummond (announcer), and on right of Postmaster-General: Byron Brown (president Wellington Amateur Radio Society), G. Robertson, C. W. Rickard, C. G. Camp (joint 'secretary). R. King (private secretary, Postmaster-General). and (at right) J. Galvin ("Radio Record" and joint-secretary Exhibition committee). Massed at the back are the Wellington Municipal Tramways Band and State Parkets Research Parkets (Parkets Research Parkets). -Wallace, photo. lington Welsh Choir, contributors to the programme.

Special Service for Primary Producers

American Technique may be Adapted to Our Needs



R. A. R. HARRIS, General Manager of the Broadcasting Company, advises that the Primary Productions Committee recently organised at Christchurch under the company's public relations scheme, gives promise

of accomplishing service of great value to the community. A meeting of the subcommittee set up to prepare a schedule mers." "Housekeepers' Chats," a serof broadcasts has been held, and the les entitled "Outdoors With the Scienlocal office of the Department of Agriculture and the Agricultural Collège at Lincoln have each undertaken to prepare at least one talk each month. A comprehensive report will be presented to the general committee at its meeting next week, and it is anticipated that a detailed schedule of broadcasts will be completed shortly.

THE Company is keeping in close touch with development in other countries, and has just received from its New York consultant, Mr. Edgar H. Felix, a considerable amount of material, including talks furnished by Mr. Morse Salisbury, of the United States Department of Agriculture. In his covering letter Mr. Felix says: "This work is based on several years of experience with broadcasting to farmers, and represents the development of a specialised technique which has demonstrated itself as increasingly effective. It must be remembered that any type of educational material is decidedly lacking in entertainment value unless it is especially prepared for broadcasting presentation. Naturally this technique is not limited to agricultural talks, and it is not difficult to adapt it to other fields of education. The important point is that, by the introduction of dialogue and the injection of personalities, much more effective radio presentation is secured."

The material received provides a most interesting and instructive study, and includes a list of American stations through which talks are broadcast, and samples of "Talks to FarIN the accompanying articles emphasis is laid upon the growing part that radio is likely to play in catering for the man on the how do you know when to expect a land. Mr. A. R. Harris, in explaining the company's objective, quotes a typical case of how America is introducing life into the steps in," the Weather Man explained. radio presentation of scientific facts. Following that article there "Last winter han explained is given the major portion of Dr. Chilton's explanation of the fruit-growing district, weather obsercompany's objective for New Zealand producers.

"Farm Science Snapshots," "Primer for Town Farmers," "Farm Flashes," and "4H Club Crier," the last mentioned being talks to juvenile agricultural clubs.

A Sample Talk.

THE specialised technique referred to which may be adaptable to New Zealand conditions presents talks in the form of a story or dialogue, or in some cases in the form of a discussion. For example, one of the "Outdoors with the Scientist" series commences as follows:-

"Announcement: We have a message from the weather man in the United States Department of Agriculture's "Outdoors with the Scientist" programme to-day. This will be station's farm audience especially interested, as the talk deals with how the U.S. Weather Bureau helps fruit growers protect their crops from frost.

The lecturer then continues:

The other day the Weather Man and were driving through a beautiful stretch of rolling orchard country. Buds were already beginning to burst on some of the trees. good. . . ."

We came to Jed Brown's place. Brown's a farmer who owns a thriving orchard. He has money in the Jed was standing by the front bank.

The Weather Man threw the car out of gear and braked it to a stop.

"Hello, Brown," he called, "how do the crops look?"

"Fine," said Brown. weather?"

Then we all grinned. We knew that these are two of the oldest greetings in the world.

Man, "I think I can promise you fair through that district. weather for to-morrow.

"Crops are fair, too," said Brown.

We were all feeling free and easy. Brown came and sat on the running board. a few words. to spare.

The Weather Man turned to Brown. 'I know why you fellows are always asking about the weather," he began. "It's a natural thing to do. An extra quarter of an inch of rain at the right fruit districts. time may add thousands of bushels to your corn crop. A few degrees lower temperature may give the potato-grower a bank account. The direction of the wind is sometimes more important than the cost of farm labour. The weather's a matter of business to you fellows—you farmers. Am I right?"

"You're right," said Brown, "and I know why you scientists are interested Am I right?"

The Weather Man smiled and nodded direction. his head,

I figured it was time for me to get into this palaver. "If you fellows are back," I said, "I'd like to ask a question." through patting each other on the

They both turned to me.

"Listen," I said, "what would happen to this orchard if a good frost hit it to-night? Where would your science be then? What could you do about it?"

"I can't answer that in ten words," the Weather Man said. "It's quite a story.

"Go ahead and tell it," I said. "In the old days," he began, "the prosperity of the fruit growers depended almost entirely on the weather. Good growing weather—no late frosts -meant a good fruit crop as a rule. Of course insect pests had to be con-And the orchardist had to aidered. pay attention to his markets. But Jack Frost used to take a whale of a lot of profit out of fruit growing.

"Well, we haven't conquered frost, of course. But we have learned to take advantage of it. Nowadays, the big practical orchardists let the frost come-but they prepare for the freeze with oil burners and frost warnings. A battery of heaters in the orchard is generally enough to get Jack Frost down and hogtie him." "That's all very well," I said, "but

"That's where the Weather Bureau vers made 91 distinct low-temperature forecasts. Ninety per cent, of these forecasts were correct to within one "How's the degree, Ninety-seven per cent. of them were right to within two degrees. When temperatures are expected to fall as low as 32 degrees in any district during the night a fore-"Well Brown," said the Weather cast is made and spread widely as "I think I can promise you fair through that district. This forecast contains a definite statement, sometimes to tenths of a degree, as to just how low the temperature is expected to fall. Eight specially trained Weath-That meant he had time for er Bureau men are assigned to frost We also had 10 minutes work. Their forecasts are amazingly accurate."

Real Work to be Done.

THE talk then goes on to discuss methods of combating frosts in the

It will be seen that this method of address is much easier to listen to than a straight lecture, and will hold the attention and interets of listeners.

Very encouraging reports have been received by the company with regard to work already accomplished in the direction of assisting primary producers, and as this branch of broadcasting represents a very real service to the country, in crops, too. A larger wheat crop it is intended to amplify and extend it will mean cheaper bread. A good crop as far as is practicable, the organising Things felt year will also mean a good year for of Primary Productions Committees marking an important step in this

Science Applied to the Farm.

ON Thursday, July 25, Dr. Chilton, speaking from 3YA, outlined the company's objective in relation to the man on the land.

"You are probably aware that the Radio Broadcasting Company is desirous of making its service as beneficial as possible to all classes of people. For this purpoe they have established what they call public relations in pr-nection with which committees have been set up at the main broadcasting stations for the purpose of advertising the company as to the matter to be broadcast. For example, they have committees connected with the churches consisting of representatives of the more important churches. These committees are purely voluntary, but are found to be very useful in suggesting to the company which services should be broadcast from time to time. Similarly, there are musical and dramatic committees, and others concerned with the children's session.

"In addition to this, the company is desirous of extending its service to all those engaged in any way in agricultural pursuits, and for this purpose a conference was held on July 2, at which there were present representatives of the main bodies concerned with agriculture, including Mr. John Deans and Mr. R. E. Alexander, of the Can-

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terbury Agricultural College; Mr. J. G. live in the country, and are more iso-Herdman, president, and Mr. M. E. Lyons, secretary, of the A. and P. Association; Mr. O. W. B. Anderson, Horticultural Society; Mr. A. H. Cockayne, Department of Agriculture, Palmerston North; Mr. R. McGillivray, Department of Agriculture, Christchurch; Mr. C. McIntosh, Farmers' Union; Mr. H. S. E. Turner, Chamber of Commerce; Mr. H. G. Denham, Department of Scientific and Industrial Research; Mr. P. R. Climie, Canterbury Progress League; Mr. C. T. Aschman, Board of Governors, Canterbury College; Mr. A. R. Harris, general manager, the Radio Broadcasting Company. Apologies were received from Sir R. Heaton Rhodes; Mr. James Deans, Homebush; Mr. J. E. Strachan, of Rangiora, and Col. G. J. Smith. At the conference, the Agricultural Department was repred by Mr. A. H. Cockayne, who has recently been appointed Assistant Director -General of Agriculture, and had been specially asked by the Minister of Agriculture to attend. He promised to give every assistance in his power in connection with the proposals, and so did the representatives of the Canterbury Agricultural College at Lincoln, and the other bodies represented at the conference. It was recognised that it is most important to carry the benefits of broadcasting to farmers and others, because they naturally have to

lated than many of the rest of the community. Moreover, their work is of more direct benefit to the Dominion and it is extremely important that the results of scientific research as applied to farming should be communicated to those who are actually engaged in agricultural pursuits. Some friends of mine tell me that farmers are rather thick-headed, and that it is difficult to get them to appreciate new ideas. I cannot admit that this is the correct description, and from what I know of Canterbury farmers in particular, I feel pretty sure that they will listen to advice given, and will be very ready to apply it when they see that it is to their benefit to do so.

A Regular Programme.

"Much work of this kind in the education of the farmers has already been done by the Agricultural Department, at Wellington, which has broadcast a lecture by one of the officers of the Department once a week for some time past, and by the Canterbury Progress League which, during the last two years, has arranged to have a lecture on some agricultural subject broadcast once a fortnight. These talks have been very useful, and there is no intention of interfering or overlapping with them, but there has often in the

at the time required owing to the fact that so many officers of the Agricultural Department have to be away in different parts of the country on their special duties.

An attempt is therefore being made to organise these talks so that they may cover as muc ground as possible, and be delivered at the seasons of the year when they will be of most benefit. It is hoped to arrange a definite programme for the whole year which can be announced well in advance, so that all will know what subjects will be discussed as time goes on.

The lecturers will all be well-known authorities on their different subjects. and will be able to put the information which they have to give in a form which will be easily understood by those who are listening. The Agricultural Department in Christchurch has promised to give a lecture on the last Thursday of each month, and the Canterbury Agricultural College one on the second Thursday. The other two or three Thursdays of each month will be filled with lectures from the Forestry, Horticultural, Poultry, and other Divisions, and it is proposed on one evening a month to give a short ac-

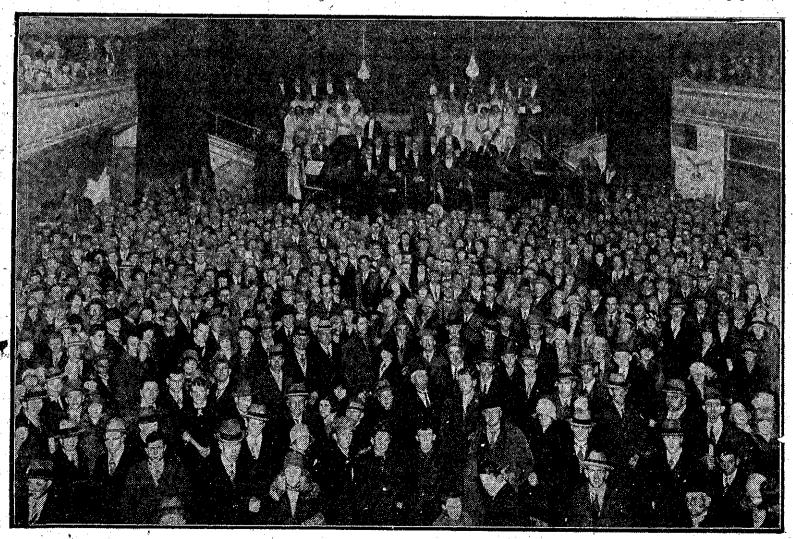
past been difficulty in getting lecturers, count of the most important articles that appear in the "Journal of Agriculture. It may be possible occasionally to have talks from some of the farmers themselves. The successful man may be able to explain how he has succeeded, and the unsuccessful one to ask why he has not.

Co-operation Desired.

"HOWEVER good and therough. these talks may be, they will produce little permanent benefit unless we have the co-operation and assistance of all the listeners and various suggestions have been made by which this may be secured. It is hoped, for example, that farmers and others will send in any suggestions they may have as to the subjects on which they specially require information and if there are any points in the talks they listen to which they do not quite understand, or on which they would like fuller information, they are invited to write to the Radio Broadcasting Company and their questions will be attended to and either answered direct by letter or, if they are of general importance, dealt with in some subsequent talk.

"The talks will be given on Thursday evenings at about half-past seven, as it is hoped that this will be the most convenient time for those who are con-

(Concluded on page 12.)



FLASHLIGHT OF SCENE IN RADIO EXHIBITION, SECOND NIGHT, FRIDAY EVENING.

An even larger crowd than on the opening evening graced the floor of the Exhibition on Friday evening. Scene shows the stage at the conclusion of Mr. Ball's address to listeners. With him is Mr. Heighway. On the stage are seen the Wellington Harmonic Society (conductor, Mr. H. Temple White), and the 2YA Orchestra, contributors to the programme for that evening. -Wallace, photo.

The New Zealand

Radio Record

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

> N.Z. RADIO PUBLISHING CO., LTD., P.O. Box 1032, WELLINGTON.

WELLINGTON, FRIDAY, AUGUST 2, 1929.

FIRST RADIO EXHIBITION.

IT is pleasing that the first Radio Exhibition held in New Zealand, as staged in the Wellington Town Hall on Thursday, Friday, and Saturday of last week, was an outstanding success. In the course of the three days upwards of 7000 people visited the exhibition. Their desire was probably a double-barrelled one. In the first place they sought to see the very latest development in modern radio apparatus. and in this field there was an infinite variety for their instruction and In the second place a definite lure was provided by the special programmes arranged by 2YA to be broadcast from the temporary studio arranged on the central stage of the Town Hall. Many people unfamiliar with the technique of broadcasting were intrigued to see just how the programmes, which had delighted them in their homes, were put on the air. A factor in this interest, also, was the wish to behold the performers, and probably the Announcer. So strong indeed was the desire to make the acquaintance of the "Good-night Man" (as Mr. Drummond has become known) that many country listeners sought an opportunity of meeting him; and this led to informal little receptions being held at each of the intervals during the evening sessions and at some of the afternoon sessions.

IN declaring the exhibition open, the Hon. J. B. Donald paid a tribute to the important place in our social life now filled by radio. He touched sympathetically on the programme problem. Undoubtedly, he said, popular music was first favourite; but the interests of the minority required consideration, and therefore the claims of classical music could not be ignored. His department was in the position of guarding the public interest, and followed with close concern the whole trend of radio development.

THE Minister took occasion to compliment the radio trade upon the loyalty displayed by them in observing departmental requirements in connection with the type of set offered to the public. All receivers sold in the Dominion were first subjected to departmental examination and approval; and in this connection it was interesting to note that over 200 different types had been tested.

MR. DONALD had a word of advice to give those non-listeners who were refraining from enjoying the amenities of radio because of the idea that present-day equipment would be displaced in the

C. R. RUSSELL M.Sc.,

M.I.R.E., A.M.I.E.E. (Lon.)
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near future by better and more efficient apparatus. While not denying that the rate of advance in radio was such as to create this suspicion, Mr. Donald rightly emphasised that the standard of efficiency now attained was such as to afford the fullest satisfaction to even the most exacting and discriminating taste. He invited those in this category to test the apparatus now available, and see whether they could allow themselves to continue missing that service now available to them The same note was struck by Mr. Harris in his through radio. remarks in conveying his apology for unavoidable absence through pressing business, and by Mr. Ball in the course of a special appeal to listeners. The stabilisation afforded the industry by the efficient modern alternating current set is definitely such as to remove the last doubt as to now being "the time to buy." The A.C. set in this field is unrivalled, and of a standard of perfection upon which it is difficult to conceive much improvement can be made. Even in the battery field, the same remark applies. The modern set, judiciously selected for the type of station upon which reliance is to be placed and other local conditions, attains a standard of efficiency which should please the most hypercritical. Because of this, Mr all made an arresting plea to listeners that they should help themselves to secure even better service than is now obtainable, by inducing others to join the ranks. If each listener, said Mr. Ball, will take upon himself the responsibility of endeavouring to persuade but one other to join, then such an expansion will take place as to completely revolutionise the present position of radio in New Zealand, favourable

THIS is sound propaganda. We have repeatedly emphasised that expansion depends upon revenue; that the Company, when it has provided the initial main plants, must look to revenue to provide running expenses; and that, as the revenue for current expenses expands, so the surplus, beyond that required for the necessary operation of the stations, can be devoted to improving the programmes. That is the position in which we now stand. We sincerely hope that the stimulus given by the first Wellington Radio Exhibition will be such as to lead to a progressive movement on the part of all radio interests through, out the Dominion, and that the number of licensed listeners will before long top the 50,000-mark. With the Dunedin Exhibition in full swing this week and proposals for exhibitions in Auckland and Christchurch, the future seems propitious for expansion,

Exhibition Photographs Artistic Physique

Prints Available

Prints of the flashlights taken on each evening are available at 2/6 each unmounted, and 3/- mounted.

Write (or call) specifying clearly which evening's flash is desired, "Radio P.O. Box 1032, Wellington; or Third Floor, "Dominion" News-paper Building, Wakefield Street.

Many members of the large audiences who are clearly shown will doubtless wish to retain these photos as mementoes of the occasion. All photographs are by Wallace.

Another Exhibition

Proposal in Christchurch

FOLLOWING on the success of the Radio Exhibitions, in Wellington and Dunedin, the radio dealers of Christehurch are considering the holding of an exhibition in that city.

Lectures from 1YA

ON alternate Tuesdays, at 7.40 p.m., commencing from August 6, 1YA is to give a series of lectures on "Artistic Physical Development." These talks are to be given by Madame Edith Baird, the founder and organiser of the Auckland Society of Artistic Physical Development. The following is a list of some of the subjects to be cov-

Perfect physical exercises on Grek and poetic lines.

Exercises on operatic lines.

Cultivation of artistic taste and abili-

Appreciation of music and colour. Pastoral dancing-poetical and historical.

Summer camp.

Ballroom dancing.

Etc.

Madame Baird has broadcast from 2LO and other stations for the B.B.C., and enjoyed in England a reputation as lecturer, exponent, teacher, and adjudicator. Many of her pupils are in the first flight of their work in Eng-

Have you secured your copy of "N.Z. Radio Listener's Guide" Dealers and Booksellers 2/6: 1 ost Free 2/9—P.O. Box 1032, Wellington. Now Availabi.

"Each Get Another!"

How to Improve the

OPPORTUNITY was taken at the Radio Exhibition in Wellington last week to "improve the shining hour" by an appeal that each listener should facilitate further improvement in the It has a membership strength of 40 service by inducing one new listener to come into the fold. This appeal was made by Mr. J. Ball, editor-announcer the Radio Broadcasting Company, from the Town Hall on Friday even-

"I am speaking to you from the Broadcasting Company's temporary studio at the Radio Exhibition in the Town Hall, Wellington," said Mr. Ball. This, as no doubt you are aware, is the first Radio Exhibition to be held in New Zealand, and I feel sure that as radio enthusiasts you will be pleased to learn that the exhibition is from every point of view well worthy of the occa-

"The great hall in which the exhibits are set out is eminently suited for the purpose. Our model studio is on the stage at the upper end of the hall, and I am at the moment looking down upon a most animated scene. Ranged on either side of the hall are the stalls of the exhibitors-nineteen in allupon the lay-out and decoration of which neither time, trouble, nor expense has been spared. The wide span of open floor space is thronged with an ever-moving mass of interested spectators, who will surely find their tour of inspection well worth while. I will not attempt to describe the exhibits. sincerely wish it were possible for all of you to see them. It must suffice or me to say that the exhibits here presented represent the last word to date on the technical side of radio development.

Spread the Gospel!

y dening community, to win recruits to the great army of listeners. That it cerned, we hope and believe.

say, 'I own my own set. I am already

"If every licensed listener were to persuade just one other person to become a licensed listener, what

Relay from Hamilton Maori Pageant

Broadcast of "The Holy Descriptive Notes on Song and Music

A RELAY of the sacred cantata "The Holy City" from Hamilton to 1YA is to take place on Wednesday, August The cantata is to be performed by the choir of the St. Paul's Methodist Church. Mr. T. S. Webster will be at the organ.

The choir is a splendid combination. voices, and has been very successful in competition festivals.

From Cook Islands

Appreciative Letter

IN enclosing a cheque for £16 14s. 6d. in aid of the earthquake fund, a fine tribute to the New Zealand Broadcasting service is paid by Mr. J. Mc-Gruther, of the Cook Islands Administration.

"As it was through you that we were made aware of the catastrophe, and of the pressing need of some of the sufferers, and as I am uncertain, until the mail arrives a few days hence, to whom to remit our contribution, I trust that you will undertake to pass it on to the proper quarter. •
"While I am 'tuned in' I should like

to mention what great pleasure your service gives us here in this remote speck in the ocean. For the most part reception is good. We have been able to follow the relaying of the All Blacks' matches to date quite well, and the Emden's concert came through good and strong."

a wonderful difference that would make!

"Our objective is to make it possible for New Zealand to be able to claim possession of one of the most complete, efficient, and satisfactory "WHAT is the purpose behind this broadcasting services in the world. We exhibition? Ohviously you will know of nothing better calculated answer it is to spread the gospel of hasten that happy consummation than radio, to create a wider interest in the the enthusiastic co-operation in the wonderful service which this modern simple manner we have suggested of marvel is daily rendering to an ever- the great army of satisfied listeners. whom it is our delight to serve.

"Probably/while you have been liswill serve this purpose in so far as tening to me there has flashed into those who are able to attend are con- your mind the name of some friend or neighbour to whom radio would prove "But we hope, also, that it will exer. as great a joy as it is proving to you. cise even a much wider influence, and You may possibly know of several inspire the many thousands of distant people who would be happier for having listeners to do what they can for the a receiving set in their homes. If so, benefit of all concerned, themselves in please send their names and addresses The greater the number of to your nearest radio dealer, and, if licensed listeners the better must it you have the time and opportunity, tell be for each individual listener—the them yourself what radio means to you better for you—because the greater and yours. As perhaps you know, the will be the improvement and extension of the broadcast service. 'But,' you current set has stabilised the radio income of the stable of the stabilised the radio income of the stable of the stabilised the radio income of the stable of the stabilised the radio income of the stable of the stabilised the radio income of the stable of the stabilised the radio income of the stable of the stabilised the radio income of the stable of the s dustry to such an extent that no one a licensed listener. What more can I need hesitate to invest in any modern Believe us, you can do a great radio receiving set—A.C. or battery, according to circumstances-manufactured by a represible concern. Help us to help you, Let the radio slogan be, "At least one new listener to my cred-

CONCERNING Maori song and music, which will be so prominent next week in connection with the radio

pageant, Mr. Johannes C. Andersen has some interesting comments to make. "The Maori had few musical instruments, he says. Strange to say, with the exception of the great war-gong, he had no drums, and the drum is a favourite instrument with uncivilised, or little civilised people, helping, as it does, in the appreciation of rhythm; and the Maori had a superb sense of rhythm, far more exact than our own. He had a war-trumpet, and a shelltrumpet, but these were not used as musical instruments; rather as signalling instruments. He had two kinds of flute, and it is from these that we have gleaned what we know of their technique and melody. One, the Koanau. was an instrument somewhat like our flute, except that it was blown from the end, and had only two to five side-The tones produced differ in interval in all flutes examined, no two agreeing, so that one is forced to conclude that the Maori recognised no definite arbitrary intervals, as we do not in our speech tunes. Every flute was made to play a particular song; if it were wished to play another song on that flute the holes had to be altered, and many flutes are found with the holes so altered. Moreover, when the flute was played the words of the song were played on it; that is, the flute spoke, and on the Maori flute even the European ear is able to catch at least some of the words. This exleast some of the words. plains why the Jew's harp was a favourite instrument with the Maori; he was able to speak on it, and two lovers would sit side by side, each with a Jew's harp, softly exchanging confidences on their instruments—actually saying it with music. There are stories which tell how lovers conveyed messages by means of flutes, and when Hinemon swam to Tutanekai, it was because of what he was saying to her on the fiute. So of the song-birds, the Maoris particularly liked the ones that seemed to be saying something, that is, the ones whose voices approached

Hastings Concert

human speech.

To be Broadcast on August 22

THE Hawke's Bay Radio Society, which is to broadcast a concert through 2YA on Thursday, August 22. has drafted a programme which is expected to be the finest ever arranged The finest artists. in Hawke's Bay. individually and collectively, Hawke's Bay have been engaged and the programme is one of great variety. Maori items will be sung by the Te Aute College students and by the Awapuni Women's Institute. During the evening there will be a brief talk by His Lordship the Bishop of Aotearoa. ernment to do something in this matter.

Inventive Genius

Members Complain

COMPLAINT that methods" of the Post and Telegraph Department were strangling the inventive genius of young New Zealanders in the field of research was made by Mr. E. J. Howard (Christchurch South), when speaking in the House of Representatives on Friday, states "The Dominion."

Mr. Howard said that of the remarkable array of apparatus exhibited at the radio exhibition in the Wellington Town Hall not one piece was the product of the brain of a New Zealander, which showed how the Post and Telegraph Department's red tape methods were preventing young men from making developments in the industry. It was a hard thing to say, but New Zealand was living on the brains of other people, and paying dearly for them, because Government Departments their policy were preventing developments in science and industry. He did not want to be unfair to the Postmaster-General (Hon. J. B. Donald), as he had just taken over-

A voice: He has taken over the rub-

ber stamp.

The Rev. C. L. Carr (Timaru) hoped that the Post and Telegraph Department would review its decision and make it possible for young enthusiasts not in good circumstances to pay their license fees quarterly. He said that as she supplied most of the world's radio goods, and also produced gramophones and films, America certainly seemed to have won the war. He went on to refer to the B class radio stations, and asked for sympathetic Government consideration of these.

The Postmaster-General (Hon. J. B. Donald) said the member for Christchurch South had stated that the Department was making a good thing out of radio, but actually the Department was losing on the radio business.

Mr. Howard: But what in? re they doing? Great Scott!

Mr. Donald said that he did not wish to be a stumbling-block to old and young people interested in radio. Howard would find that he was not the rubber stamp he thought he was. He thought that New Zealand was served fairly well by the Radio Company, although there might be room for improvement. Regarding B stations, he said that applications made for these would be granted if the Department were satisfied that the equipment was good and that the stations would not interfere with others. With regard to a suggestion that some of these stations wished to carry out advertising on the air, Mr. Donald said that already that question had been gone into and would be considered further on the return from England of Mr. G. McNamara, Secretary to the Department. The decision would be announced then.

Mr. R. Semple (Wellington East): What are you going to do about the

fees? Mr. Donald said that that subject

could be dealt with later. Mr. W. D. Lysnar (Gisborne) referred to the lack of New Zealand news on ships travelling from New Zealand to other countries, and urged the Gov-

"The Golden Threshold"

Indian Song Cycle at 4YA

"THE GOLDEN THRESHOLD," described as an Indian Song Garland, will be sung at 4YA on Monday evening. It is Liza Lehmann's setting of poems by Saragini Naidu.

are sixteen items-songs, duets, and choruses. These are taken from five sections of the poem, respectively entitled "Songs of the Lover and of the Beloved," "Songs of the One Alone," "Song of a Youth," "Song of the Little Sister," and "Songs of the Orowd."

The vocalists for the Dunedin presentation will be The Majors-Miss Freda Elmes, Miss Dorothy Skinner, 10. Mr. J. Montague, and Mr. L. M. Cachemaille.

The concert work makes up the following programme:

- 1. "Harvest Hymn" (chorus): Praise 11, is offered to the gods of Harvest. "Song of a Dream" (baritone): A
- vision of the thirds as spirits of Truth, of the stars as spirits of Love, and the streams as spirits of Peace.
- 3. "Henna" (soprano and contralto duet): An injunction to hasten and

Which

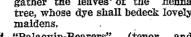
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Chief?

Which

İS

VOUP



- they lightly bear a lovely ladv.
- "The Serpents Are Asleep" (contralto).
- A song of a youth calling to the snake as "The subtle bride of my mellifluous wooing," the "silver-
- 7. "The Royal Tombs of Golconda" (baritone solo and chorus): A musing, amidst the ruins, on the memories of ancient grandeur and of the beauty that "wakens with the spring to kindle these pomegranate
- "Like a Serpent" (contralto and tenor duet).
- "Nightfall in Hyderabad" us): Impressions of the sights and sounds of the great city as night comes to her, "borne like a queen to a sumptuous festival."
- "Cradle Song" (soprano): A song of the Little Sister, who sings to the baby of the "little lovely dream" she has bought for him.
- "To a Buddha Seated on a Lotus" and quartet): (baritone solo "What mystic rapture dost thou B. own, immutable and ultimate? . The end, elusive and un-
- known, still lures us. . . How shall we reach the great unknown Nirvana of thy Lotus-throne?"
- 13. "Indian Dancers" (chorus).
- 14. "New Leaves Grow Green" (soprano, contralto and tenor):
- (contralto): "Like "Alabaster" this alabaster box . . . is my heart. . . Therein I treasure is my the spice and scent of rich and
- crees that he shall know all rapture and despair. After knowledge he shall seek peace.

And death the shadow of my Face."

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- Aeroplane Engineer. Special Women's Dept.
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 -Textile Expert, Millinevy,
 -Flumber, Shorthand-Typing,
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 ever 19,000 of these being in New Zenland)

ENQUIRIES COST NOTHING-POST NOW Nameta.....

Age.....Occupation.....

gather the leaves of the henna tree, whose dye shall bedeck lovely

- "Palaquin-Bearers" (tenor and
- breasted moonbeams of desire."
- groves."
 "Love Song" (tenor).

- idyll of spring.
- passionate memories."
- the whole matter is:

"Life is a prism of my Light,

Children's Sessions

(Continued from page 19.)

And all in the studio Make a bright, happy band. FRIDAY, AUGUST 9.

Storyman, Stormyman, where are you going?

Away to the meadows Where the daisies are blowing. The Woolston School singers Are coming along, too; So put on your headphones -And listen in—do!

-SATURDAY, AUGUST 10 Now, once every month Comes dear Brother Bill, Whose stories so bold provide all with a thrill. With each of the children He Just loves to joke; And fun at them all

He always will poke.

"The May Queen" New Zealand Baritone

bass duet): The men's song as First Broadcast Performance by 1YA Choir

"The Snake Charmer" (soprano): THE recently-formed 11. Broadcasting Choir will give its first performance for the benefit of listeners on Tuesday evening. The piece to be presented will be Sir W. Stern-The piece dale Bennett's delightful cantata, "The May Queen."

Great interest will be taken in the first performance by the 1YA choir. There are thirty-two members. choir had its inception in a recommendation by the 1YA Musical and Dramatic Committee. When applications were called, over 60 vocalists applied and the members were chosen after careful auditions. Young voices predominate, particularly in The conductor is Mr. ladies' section. Len. Barnes, and Mr. Cyril Towsey, the accompanist. The choir is a very enthusiastic combination, and all re-The choir is a very hearsals are particularly well attended. Before every practice the coned. ductor gives a half-hour's instruction in singing.

The members of the choir are: Mrs. B. Barclay, Mrs. H. L. Timmings, Misses G. V. Brooke, Maida Davison, S. W. Donnell, C. Foster, A. McDonagh, N. Marriage, C. Mulqueen, M. O'Grady, I. G. Phillips, D. A. Twy-ford, G. Weir, M. Taylor, H. Rosieur, sop Dunn, E. Green, J. L. Heath, A. W. An Hickman, J. H. Joss, A. L. MacPherson, T. Moffitt, W. P. Morphy, E. M. Newling, E. J. Robson, H. H. Salter, my R. Stephenson, J. Wilford, R. Wilson, W. Langton, and H. Langton.

The story of the cantata is as follows:-It is May Day and the villagers 16. "At the Threshold" (tenor solo, are gathered together to celebrate and quartet and chorus): The child, to greet their May Queen. Being a pleading in youthful pride to festive day the May Queen is rather "drink each joy and pain," is an-coquettish and scorns the Lover, who The omnipotent one de-mourns the day he was born. May Queen is crowned, and then the Lover asks her to throw away her The end of cloak of cold disdain, but she lightly scorns him.

> Robin Hood, who is the Captain of the Foresters in disguise, appears in a swaggering baritone song, Jolly to Hunt." He makes love to the May Queen and is struck a blow He makes love to by the Lover. This is against the The Captain (baritone)law, particularly on May Day, and the villagers advise the Lover to hide Realm arrives amid a fanfare of been a brawl and she banishes the organ.

Starred at 2FC

ONE of the artists who was featured on the initial programme of the Australian Broadcasting Company on July 17 was Mr. Keith Grant, who has frequently sung for 2YA. . He was associated on a programme with other fine artists, including one whose gramophone recordings are very popu-It was a distinct honour to New Zealand broadcasting talent.

Long Distance Relay

LONG-DISTANCE church relev the first of its kind to be carried out in New Zealand, took place on Sunday evening, July 28, when Trinity Church, Timaru, was put "on the air" by 3YA. Following the church broadcast. a concert given by the Timaru Municipal Band in the Theatre Royal, Timaru, was also relayed.

It was because of this latter broadeast that the church relay could be carried out. The concert relay having been arranged by 3YA, the Presbyterian authorities in Timaru requested that the opportunity might be availed of to broadcast their church service. The Rev. N. L. D. Webster, of St. Andrew's Church, Christchurch, who was scheduled to broadcast that evening, agreed to forego his relay in order that the Timaru church might be broadcast.

The preacher at Trinity Church, Timaru, was the Rev. A. J. H. Dow, and the organist and choirmaster Mr. Donald Parkin. The church has a splendid regular choir of 46 voices, and the organ is reputed to be the finest church organ in the Dominion.

Lover and dismisses the Captain of the Foresters. But the May Queen pleads with Her Majesty and not in vain, for all is forgiven and the cloud passes away.

The caste will be:-

The May Queen (soprano)-

Miss Millicent O'Grady

The Queen (mezzo)-

Miss Madge Taylor

The Lover (tenor) Mr. Lambert Harvey

Mr. E. M. Newling

s advise the Lover to hide With the exception of Mr. Harvey.
It is too late, the Queen of the the soloists are members of the choir. Mr. Cyril Towsey will be at the trumpets. She sees that there has piano and Mr. Eric Waters at the



Radio Pageant of the Maori Race

Great Broadcast Programme Arranged for August 8-9

ALL arrangements have been made for the presentation of the Radio Pageant of the Maori race, which is to be broadcast next week. In this radio pageant, the history and mode of life of the Maori people are intended to pass in review. One is supposed to picture an old chief seated alone at the door of his whare in a pah on the banks of the Wanganui River. He is dozing in the noonday sun and dreaming of the days that are past.

The pageant will be presented by a contingent Maoris from the Wanganui district. It is now a long time since the first Maori, Kupe, the great navigator, voyaging in his canoe down the west coast of the North Island, came to the mouth of a river where the city of Wanganui now stands. He called it the Wanga-nui, because the river was wide, almost like an estuary. That was in the dim past.

It is interesting to review the life of a people and it is fitting that Maoris from the Wanganui district should be the ones to present such a retrospect as that covered by the scope of the radio pageant.

It is intended to present the Radio Pageant at 2YA on the evening of Thursday, August 8, commencing at 8 o'clock. Station 3YA will rebroadcast and relay to 4YA. On the Friday

evening the pageant will be produced again especially for the benefit of listeners overseas. A special message has been sent to the Byrd Expedition and he and his party will be listeningin in Little America.

THE STORY OF THE PAGEANT.

AN introductory narrative will precede the six phases of the pageant. The principal speaker of the Maori party will be Hamiora Hakopa. He will paint in words the right setting for the pageant and in this he will be helped by the recital of portion of Sir Apirana Ngata's "Scenes from the Past.'

The pageant deals with six phases in the life of the Maoris. Scene 1 is the arrival of Kupe. There is to be a descriptive address, a thanksgiving incantation and a thanksgiving

THEN follows a phase descriptive of the Maoris at home in the early days. Into this will be introduced various games and there will be playing on the only Maori musical instrument, the koauau flute. Listeners will hear the speeches given at the reception to visitors to the pah. This phase of the pageant will be a particularly interesting one, affording as it does such entertaining sidelights on Maori customs: Poi dances and hakas are given for the entertainment of the visitors.

Scene 3 deals with the dawn of a new era and the coming of the missionaries. An interesting item in this phase will be a selection played on jew's harps. It is worthy of mention that a jew's harp was the first musical instrument of pakeha origin adopted by the Maoris.

THE Maoris' part in the Great War is handled in Scene 4. In this will be sung the touching lament, "Piko nei te Matenga" ("When Our. Heads are Bowed with Woe"). Mangu Tahana will sing the solo part and there will be an accompanying chorus.

Scene 5 is descriptive of the Maoris in song and play to-day. The upriver steamer has brought a large number of visiting young people and a Maori entertainment follows. It is all unadulterated melody and harmony. There are many songs and choruses, while rhythmic poi dances are introduced.

Scene 6 of the pageant is laid in the beautiful grounds of a chief's residence and the programme works up to a dramatic climax, driving home to pakeha and Maori the lesson of the pageant, which closes with a stirring haka and the singing of "Home, Sweet Home."

Detailed Programme of Radio Pageant of the Maori Race

A RADIO presentation of a unique entertainment incorporating the main features of the changing circumstances experienced by the Maori people from the time their Polynesian forbears left Hawaiki in the distant past, and after long voyaging landed in Aotea Roa, and presenting special features of living conditions as they evolved during the passing of a thousand years until the present day.

The scene set for the Radio Pageant of the Maori race is a deserted

Maori pah located on the banks of the Wanganui River. An old chief, Parakaia, sits alone at the door of his whare, and as he lingers there the spirits of the past speak with him, and the interesting story of the past opens up page by page before his mental vision. What he sees provides

the scope of the Pageant as presented in the studio.

Hymn-The party: "Oh God Our Help in Ages Past." Chimes.

Overture-The Orchestra: "Ist Movement from Maori Quartette,"

Address—Hamiora Hakopa: "Greetings and Introductory Remarks." Oration: "Prologue" from "Scenes from the Past" (Sir Apirana

Selection-The Orchestra: "Tangi," from "B Flat Maori Quartette" (Alfred Hill).

Scene 1-THE COMING OF THE MAORI.

Kupe, the Polynesian navigator, enters the Wanganui River and lands on the future site of the pah. The crew are heard as they move along the waters, and proceed with their ceremonial for such an occasion.

-Hamiora Hakopa: Address-

(a) Arrival of Canoes;(b) Thanksgiving incantation (Ope Whanarere);

(c) Haka of Thanksgiving.

Scene 2-THE MAORIS AT HOME IN THE EARLY DAYS.

Scenic setting: The Marae, or courtyard, where the villagers are gathered for work, entertainment and conversation. The scene is described:-

Boys at play (mate mate). The koauau (flute) is heard. More boys at play (tititoria). Courier announces arrival of visitors. Exit of people from the marae, and preparations are made to meet the visitors in time-honoured fashion.

Haka party take their stand.

Greetings are exchanged.

Bearer delivers manuka and retires.

Matua powhiri rise to powhiri, "Toia mai te waka."

Dispersal of powhiri.

Tangi.

Welcome speeches. Ceremony of rubbing noses.

The feast.

Chant, "Whanganui e kia kaha."

The reception.

Oration: "The Marae and Hui," from "Scenes of the Past" (Sir Apirana

Visitors are entertained in the marae as follows:--

1. Ancient Poi.

2. Grand Maori Haka, "Tau ka Tau."

3. Demonstration of Koauau (flute) - Ope Whanarere. (Note: The Koanau is the original and only Maori musicus instrument. It was played by Tutanekai for Hinemoa).

4. Ancient song—Ope Whanarere and party, "E Pa te hau." Selection—The Orchestra: "Maori Lament" (Alfred Hill).

5. Haka Whakapapa.

Scene 3.—THE DAWN OF A NEW DAY AND THE COMING OF THE MISSIONARY.

Scene: The Marae, or courtyard.

Address—Hamiora Hakopa. Selection—The Orchestra: "Waiata Maori" (Alfred Hill). Selection on Jew's Harp-Hamiora Hakopa, Ope Whanarere, Te Ua

Tamehana and Tona Potae.

(Note: The Jew's Harp was the first musical instrument of pakeha origin adopted by the Maoris.)

Scene 4-THE MAORIS' PART IN THE GREAT WAR.

Selection-The Orchestra: "Kamate, Kamate" (Te Rangihikiros). Speech.

(Continued on page 28.)

Auckland Notes -

(By "Listener.")

THERE has been enough on the air during the past week to satisfy the most avid listener. On Saturday last came the re-broadcast of the 4QG, comment on the second Australian football Test, and excellently the story came through. Weather conditions were not of the best, yet the Brisbane station was received and put out again in a most creditable manner by IYA, and listeners followed with greatest in-terest the personal touch which Mr. McLeod was able to supply in giving details of ailments and accidents which had come the way of many members of the team. So good and so interesting was the Saturday re-broadcast that lis-teners were agog for a further reception of 4QG per 1YA on Wednesday eyening. It was through no fault of IYA that no story was available. The officials were standing by right till the station closed down in the hope of picking up a football resume, but no football resume came across the Tasman that night, though Auckland remained on the air till well after 10.30 p.m.

Sunday evening. Wisely, those responment, his enthusiasm, and his appreciasible for the service chose a method of tion of the work of the contestants. It appeal that went straight to the hearts of church-goers and non-church-goers alike, for whatever a person's religious beliefs may be, to whatever denomina-tion he me adhere, he cannot resist the appeal of many of the grand old hymns, the words and music of which are common to all denominations. The Devonport Methodists broadcast only occasionally, but when they do they set themsel sout to provide something that will really grip all listeners. On Sunday last they provided a hymnservice, and during almost the full period when the cross-Harbour relay line was in use, choir and congregation rendered the best-known of the immortal hymns, which grace the books of so many sects. It was a relay which gripped family circles in thousands of homes, where many gathered together and joined in with the loudspeaker.

ON Monday, 1YA forsook its brief respite from the air, and listeners revelled in ably-told stories of wrestling bouts. Wrestling is a sport which lends itself to description, from the fact that it gives a variety of incidents which are unusual, if not unknown, in the boxing ring. The announcer, who sounded very much like Mr. Gordon

was an excellent evening's entertainment, even for those who knew not the first thing about wrestling. Many were the queries from womenfolk about the crucifix hold, chancery, headlock, and so on. There was one case in an Auckland home where two of the male members of the household were called upon to give a demonstration, so that ladies listening in could follow the terms used by the announcer. The latter wisely explained most of the holds himself, and thus helped materi-

THE "Night With the Diggers" on Thursday served to string together a series of items into a scena which could be visualised easily by all who heard it. The continuity thus obtained did much to enhance what was in itself quite a good programme, bringing back old tunes and incidents of a time that is already long past.

A NOTHER novelty undertaken by 1YA last week was the broadcasting on relay of a stud stock sale at Takanini, about 13 miles from the city. The real atmosphere of a stock sale was conveyed over the air, and to the THE Devenport Methodist Church Hutter, made the most of these incid-large body of afternoon listeners, most provided something quite original ents, and all who gathered round of whom had never witnessed a stock in the way of religious broadcasts on speakers must have shared his amuse-sale, the enterprise of 1XA proved both

instructive and amusing. More of this type of broadcast will be greatly appreciated. It helps so many of the community to realise the activities of others—and it is very real—far more real than any explanation of the procedure could be.

DX Notes,

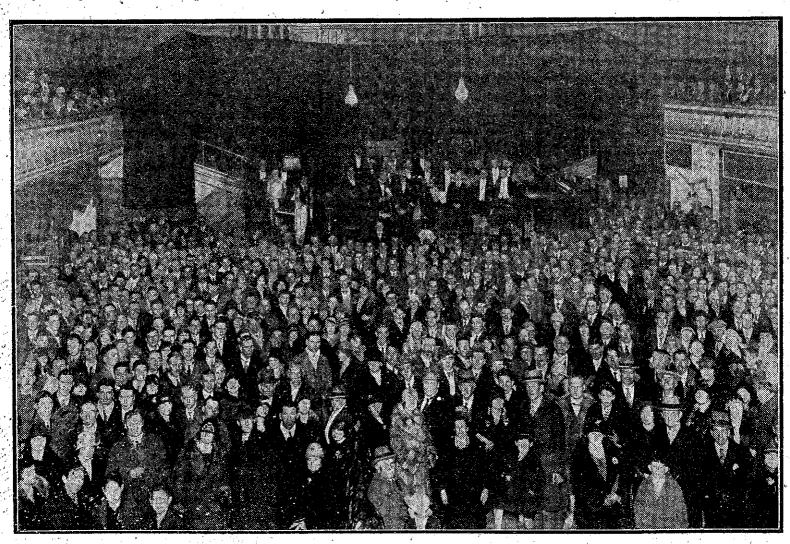
Station Identified.

ally many to whom wrestling was a IN reply to License No. 73554, Carter-foreign pastime. ton, the station is KPO, San Francisco. It can be heard any night when 2FC closes down. This station came through Tuesday, 28rd, at great speaker strength with good volume at 6.45 p.m. on a "Radio Review" programme. Re 2ZH, Napier, I presugate on 238 metres on Wednesday and Sunday. Could any enthusiast day and Sunday. Could any enthusiast give the time of broadcasting? Thursday, 25th, I tuned in 2UE and 2GB at 10.30 a.m. in daylight, Reception is very good from the Australians ately.—S. ELLIS (Okato).

[Parallel BD (Nelson) also identifled the station for License 73554.]

For Sale or Exchange.

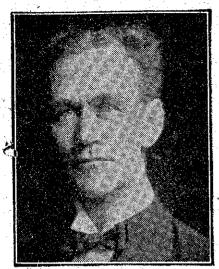
See page 40 for column of casual advertisements.



ANIMATED SCENE ON FINAL NIGHT OF RADIO EXHIBITION.

The central figure on the stage is Mr. C. W. Rickard (member of the Exhibition committee), who addressed a few words to the audience and listeners. Mr. Rickard is being addressed by Mr. Drummond (announcer). To the right is Mr. Galvin (joint secretary of Exhibition). Others on stage are contributors to the evening's special vaudeville programme.—Wallace, photo.

ONE of the bright little incidents of the opening night of the show was the opportunity afforded country visitors in particular, and other listeners in general, of meeting the announcer of 2YA, Mr. Clive Drummond, and the editor-announcer, Mr. John Ball, with both of whose voices listeners are so familiar. When the chair-



MR. DRUMMOND. Announcer of 2YA.

man of the Radio Exhibition Committee, Mr. A. J. Heighway, announced that, in response to requests of a number of country listeners who were present, Mr. Ball and Mr. Drummond would meet friends in front of the stage, there was a little stir and an in radio.

Radio Announcers Falsify **Expectations**

immediate response. Listeners from ON the second evening again the same is far afield as Hawera, Feilding, Akalominion, who were present, immediitely made themselves known to Mr.)rummond and Mr. Ball.

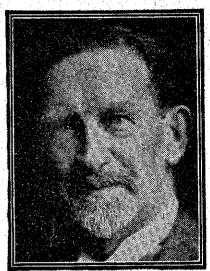
Chatting with one or two of these stant listeners, it was interesting to nd in what degree Mr. Drummond neasured up to their prior expecta-One listener was very amused in making the confession that his original conception of Mr. Drumiond's appearance was that he was a ubby, stout man of 55, corpulent and good-humoured, and decidedly bald. Far from fulfilling these specifications. Mr. Drummond is of medium height and lean build. His portrait has already been published, but for the sake of those who may be labouring under the disastrons conception of this distant friend, his photograph is reproduced, as also that of Mr. Ball. Ball, by reason of his recent visits to various parts of New Zealand, is perhaps more extensively known in appearance than Mr. Drummond. Both announcers were pleased to meet so many who listened nightly to their voices. These listeners were most enthusiastic and expressed the highest appreciation of the interest they found

privilege was accorded the auditarawa, Whangarei, Dalefield, Gore, ence, with the most enthusiastic re-Nelson, and many other parts of the sponse. Mr. Drummond in particular was a lure, the desire being to personally meet the "Good-Night Man," as many listeners call him. One listener from the country especially excited a. great deal of amusement by offering Mr. Drummond half-a-crown to display his "Good Night," in order that he could count the "o's" in it. This gentleman had a broad and native humour, which convulsed those in his immediate vicinity. Mr. Drummond's good nature was able to cope with the occasion, but he could not respond to the challenge.

In closing down at 10.30, with hundreds of people waiting specially to hear his "Go-o-o-d-Night," Mr. Drummond utilised the audience by pausing after the "Good" and allowing the crowd to finish with "Night," which they did to decided advantage.

As on the previous evening, it was interesting to inquire of listeners their former conception of Mr. Drummond's appearance. One man confessed that his mental vision of Mr. Drummond was that of a man of 16 stone in himself absolutely unable to do. He is weight, with a bald spot, stout in therefore faced with the problem for build, and of a round, rubicund count the future of juggling with two figures. tenance. This listener found it quite in his mind—his prior visualisation impossible to displace his original conception of Mr. Drummond as built teresting to find which will win.

upon his voice, and even while Mr. Drummond was speaking in the hall, he went to one of the stalls that were quietly demonstrating, in order to take his eyes off Mr. Drummond and see if he could replace his original conception with the true picture as recently given him by his eyes. This he found



MR. J. BALL. Editor-Announcer.



Listen in on the Whole World

with the Wonderful-

6 ULTIMATE "

All-Wave Screen-Grid "4"

The World is listening in, and you can listen in on the World, with an Ultimate All-Wave Receiverjust by merely turning a knob. It's so simple yet unending joy and entertainment can be derived from owning an Ultimate.

Price Less Accessories

Read what one of the many satisfied Ultimate owners says:-

Le Bons Bay, June 15, 1929.

June 15, 1929.

MESSRS. RADIO, LTD., AUCKLAND.

Dear Sirs,—Thank you for your letter of the 30th. Please find enclosed a complete list of stations heard on the "Ultimate" S.G.4; with a good aerial. I think this is the only set in New Zealand to-day worth having. The following stations can be heard plainly about half a mile away from the loud-speaker: W2XAF, W2XAD, 3ZC, DHC, KDKA, PCJ, RFM, and N.Z. Amateurs. The log included totals about 306 stations.

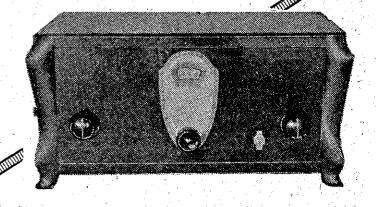
Very truly yours,

C. R. ELLIOTT.

Write to day for the name of your nearest dealer, together with illustrated literature to the N.Z. Master Agents:

Radio Ltd. Commerce Buildings
Anzac Av., Auckland

Commerce Buildings



Service Extension

(Continued from page 5.)

cerned. Probably many of the talks will afterwards be reported either in the 'Radio Record,' or in some of the local papers, so that those who are interested will be able to have a permanent record of what was said and study it at their leisure.

Special Weather Services.

HERE are other special points that will be dealt with, for example, it is hoped that the weather forecasts will be obtained from the Meteorological Department and broadin the country, especially when there is anything of importance affecting the operations of the farm. During last harvest special weather forecasts were sent out to the farmers and proved to be of considerable benefit, and it is thought that by extension of this method, warning may be given of approaching cold snaps or bat weather that should be likely to be injurious

during the lambing season or at other critical periods in farm operations.

"Another question that is being considered is the broadcast of the market prices of stock and farm produce gene-These are already broadcast from Christchurch on Wednesday evenings, and it may be possible to use other information from other centres and to give useful information on the changes in the world's markets in the price of the primary products of New Zealand.

Aid of Commerce:

"THE Christchurch Chamber of Commerce in conjunction with the Department of Economics of Canter-bury College has recently commenced a series of agricultural bulletins which cast as early as possible to those living are being published in the local newsopapers. Two of these have already appeared, and they seem likely to be of much interest and benefit to the agricultural community. While they will usually be too full of figures to give broadcast, it is hoped that it will be possible to give brief summaries of them, setting out the more important points dealt with and indicating where the bulletins can be

seen by those who wish to consult them for themselves.

Development in the States.

"THE system of broadcasting information for farmers has been developed to a very great extent in the United States of America, where last year the educational programmes of the Agricultural Department reached the listening public from 149 broadcasting These stations devoted alstations. together more than 1000 hours each month for the broadcasting of information. Many of the stations co-operated in transmitting special series of weekly lectures on different points that arose, such as special pests that were attacking grain or other farm produce, and were thus the means of much actual profit to the farmers by telling them how to deal in good time with such pests. Advantage has been taken in the United States of America of the existence of boys' and girls' clubs' and in addition to the usual listeners approximately 300,000 members and leaders of these clubs heard an even ing's programme that was broadcast from the National Club Camp held by Other information useful for housewives has also been broadcast in America, and I have just been look ing through samples of the talks and find that they deal with a great variety of subjects affecting not only the ordinary farm operations, the injurious animals and insects and so cn, but they give information on many subsidiary subjects such as 'How to get rid of house thes,' or 'How to preserve fruit' and many other similar things.

"THIS will give you some idea of the various ways in which the broadcasting service can be used for the benefit of our primary producers and of the kind of thing it is hoped will be achieved in New Zealand, if we can only secure the assistance and co-operation of the listeners. I can assure habits of the wonderful gannet, a bird you that any suggestions you may send not much smaller than and almost as in for making the service more useful to you individually will be welcomed and most carefully considered, and they will be adopted if it is practicable to do so."

News Items

TIRED athletes residing in the New York's Athletic Club's Building are to be assured of peace, for each of its 300 rooms is to be provided with broadcasting by means of a centralised system. The equipment is to include provision for radiovision and talking kinema victures.

REAK IN," the chatty little organ of the New Zealand Association of Radio Transmitters, is a well-arranged journal. It evidently believes that brevity should be the essence of a radio paper, but its eight sma pages nevertheless serve as a connecting link for those most enthusiastic of radio enthusiasts—the "Hams."

CAPTAIN P. P. ECKERSLEY, chief engineer of the B.B.C., has just announced his resignation. He has held the position for six years, and the broadcasting services of the B.B.C. owes its efficiency largely to his efforts. He is also responsible for the regional scheme over which there was recently so much controversy.

The Story of the Gannets

New Zealand's Most Interesting Sea Bird

TT is in August—just this month that the gannets usually arrive at Cape Kidnappers, so it is a very appropriate time for a radio talk concerning this delightful natural history subject. One of the greatest students of the gannets in New Zealand is Mr. Horace S. Cottrell, of Napier, and he will speak from 2YA on Monday even-



MR. HORACE S. COTTRELL.

ing, August 5, when he will give α descriptive account of a visit to the world-famous hatchery and tell of the habits of the wonderful gannet, a bird famous as the albatross.

So far as is known, Cape Kidnappers is the only place in the world where a gannet hatchery is on the mainland. In all other instances the site is on an island. So New Zealand is specially favoured. Every year the gamets come across 6000 miles of the broad Pacific Ocean to nest on New Zealand. For how many centuries they have done this no man can say. Their life history, so far as it can be told, makes a fascinating story.

A second talk will be given by Mr. Cottrell next week, on Thursday evening, on this occasion being "The Hook of Maui," a collection of stories concerning the Hawke's Bay portion of the New Zealand coast.

Exide

MEAN DEPENDARILITY. Installed at 2YA Wellington.

From 9/ each

EXIDE SERVICE STATION 79 Kent Terrace, WELLINGTON

Introduce Creda Electric Comfort, and you immediately effect an Economy too



Over 30 models of Creda Electric Fires to choose from. Over 30 different prices of this beauty and economical comfort.

No ashes, no dangerous sparks, you just switch on the heat as and when you need it. There is no waste with a Creda Fire—switch off when the room is heated to your liking, and your cost ceases immediately. Each is fitted with an Asbestos Covered Flex.

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Head Office: WELLINGTON.

And at AUCKLAND, CHRISTCHURCH and DUNEDIN.

A Cry from Isolation

Plea for More Extensive Development

lation and pioneering conditions still chrome ore, etc. obtaining in Southern Westland, which never explored was outlined by Mr. W. D. Nolan, of Okuru, South Westland, in a talk from 2YA on July 18, must have come as a surprise. His story gave a vital glimpse of a necessary phase of our development still in progress in this part of the Dominion. Because of its special appeal Mr. Nolan's "talk," is morth reproducing:—

"I am a visitor from a little-known part of the Dominion-Southern Westland-and through the courtesy of the management of 2YA I am privileged to invite your attention to a few words descriptive of that district of wonderful possibilities. Come with me in imagination, please, to the tiny settle-ment of Okuru, some twenty miles north of the deep-sea port of Jackson's Bay. The population of Okuru is less than a dozen families. Their principal occupation is cattle lising, and large mobs of Hereford cattle are driven over a hundred miles to market each year. Butter is also manufactured in limited quantities, and one of the settlers runs a cheese factory. Isolasettlers thins a theese intory. Isometion? Well, yes, at present; but we live in hopes of the dawning of a brighter day. The means of communication with the outer world which we at present enjoy would, I am afraid, be considered rather poor by the average city dweller. We have a fortnightly mail, carried on pack-horses, and a small trading steamer calls in every two months, brings us our stores, and takes away our produce.

"The port of Okuru is a bar bour, inadequate for the export timber, and so the very extensive white and red pine virgin forests in this great district have never been tapped. However, a movement is afoot to endeavour to induce the Government to construct a motor road from Jackson's Bay to Okuru, some 24 miles, and thus pierc, this virtually primeval country and make available for close settlement a vast area of good dairying land, at the same time giving access to the sawmiller, for whose enterprise there awaits untold millions of feet of valuable timber.
"We who live in its vicinity and are

acquainted with its fine natural characteristics are convinced that the port of Jackson's Bay could, with a little attention, be made to accommodate Zealand waters, while strategically it is a most valuable asset to the Dominion. It is 85 miles nearer to an Australian port than is any other port in New Zealand, and it is the only big port suitable as a safe sheiter for vessels on the West Coast of the South Island, and in saying this I do not hesitate to include the entire coastal line from Nelson to the Bluff. Unfortunately, Jackson's Bay remains undeveloped and practically unknown.

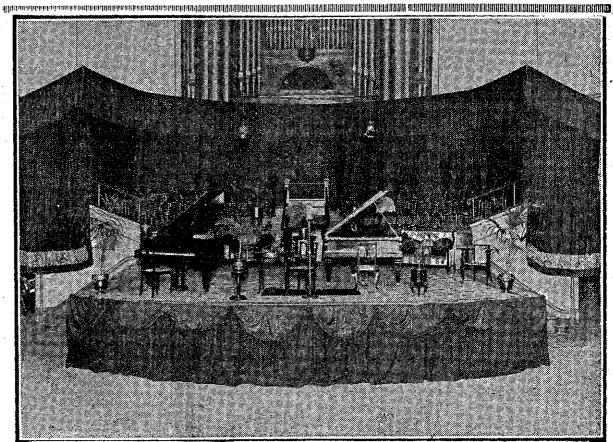
"Not only is the land in this district of a highly fertile character, and the forests of pine almost unexcelled throughout the Dominion, but in the vast ranges at the back have been

fortable homes the picture of iso-owealth, such as gold, copper, asbestos, The geologists have never explored these parts, and who knows but that in the fastness of these mountain ranges in this untouched South Westland we may have the makings of another Eldorado!

"From a scenic point of view, also, this district offers great attractions. With its plentiful supply of rain and its mild climatic conditions South

To many listeners ensconced in com- found traces of valuable mineral ed on the Prime Minister and his colleagues on Wednesday, and promptly set about the opening up of this virgin and wonderfully prolific territory. The handful of pioneers who have for years suffered untold privations have kept the flag flying. They have struggled on against terrible odds, and are now surely deserving of some attention at the hands of the Government. A natural port with a wealth of natural resources behind it should not longer be Westland can boast of a most luxuri- left in the same primitive state as

J. Cronn and C. Eggeling, representing the Advisory Committee of the Westland County Council; Mr. W. Searle (a member), and Mr. D. J. Evans (secretary) of the council; and Mr. Morpeth, Commissioner of Crown Lands for Westland. Our deputation was introduced by Mr. J. O'Brien, M.P. for Westland, while Mr. W. A. Bodkin, M.P. for Central Otago, strongly supported our representations. The urgency of the case which we presented was stressed as one of national importance warranting the sympathetic consideration of the Legislature without regard to party considerations. That it will be so dealt with, to the ultimate benefit of the Dominion as a whole, we are encouraged to hope and believe, not only by reason of the very courteous and attentive hearing accorded us by the Prime Minister and the Hons. G. W. Forbes and E. A. Ran-



Handsome studio arranged by 2YA at Town Hall, Willington, on the central stage, for transmission of Intense interest was displayed by the audience in the arrangements for transmission. -Wallace, photo.

 Φ

growth of practically evergreen bush and fern, providing scenic beauties unrivalled in any other district, the largest vessels trading in New North or South. The rivers abound with trout, the waters of Jackson's Bay teem with fish, and deer have made their appearance in the high country. From the tourist or holidaymakers' point of view, the completion of the Haast Pass track (the construction of a portion of which has now been commenced in earnest) will be the means of adding materially to the many scenic attractions of the South Island.

Let all of us-you more comfortably situated thousands as well as we few isolated settlers—hope that the Government, in its quest for new lands for settlement, will accede to the pra er of a deputation which wait-

when it was first seen by Captain Cook 200 years ago. My fellow settlers who are listening-in-and, believe me, radie is a wonderful boon to us-will be pleased to learn that their representatives were accorded a most sympathetic hearing by Sir Joseph Ward and his colleagues, the Ministers of Lands and Publi Works. Associated with me in what I believe will prove an historic deputation were Messrs.

som, but by reason also of the assurance which we afterwards received from the Right Hon. J. G. Coates, Leader of the Opposition. We are re-turning to our isolated homesteads confident that in the not distant fu-ture our rich district will be touched by the magic wand of developmental progress and become one of the most prosperous and closely settled areas of this rich Dominion."

Burgess Batteries are used in all big events.

RADIO Why?

BURGESS

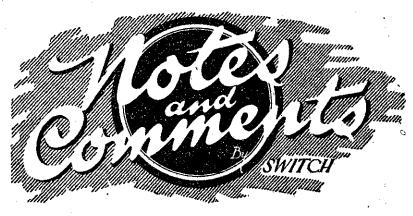
More Burgess Batteries are sold in New Zealand than any other.

Whv?

THE HON. J. B. DONALD, Postmaster-General, proved himself an excellent performer before the microphone on the occasion of his speech at the Town Hall, when officially opening Wellington Radio Exhibition. voice came through with good tone. and his enunciation was perfect.

THE Wellington Radio Exhibition de monstrated to the man in the street how phenomenal has been the advance in the design of receiving sets. Crowds pressed round the stalls watching the operation of the all-electric sets, and dwelling on every word of explanation. Many pertinent questions were plied, and the attendants at the stalls were quick to answer. The greatest wonder was expressed with regard to the simplicity of tunning the modern sets. One old lady, evidently from the country, remarked: "It's easier than working our gramophone, and you don't have to wind it either."

A SMART-LOOKING man from "the land" turned to "Switch" after a demonstration with an all-electric socket set and said: "This is the very thing we've been waiting for. We live out of town, and although the electricity has been laid on to our place we have jibbed at the idea of being bothered with batteries. This set is just the thing for the family. Just plug it into the hot-point and away she goes.



without one of these sets.'

"SWITCH" must give credit to Master Wesley Chisholm, a fourteenyear-old Wellingtonian, who has exhibited unusual skill and resourcefulness as a home builder of radio He has quite a creditable record, having already won a five-valve receiving set against scores of others in a local crystal-set building competition. At the Wellington Radio Exhibition he won first prize for his most novel crystal set and second prize for the best crystal set. This young-Our five-year son will learn to tune ster, who is attending the Technical

this in a minute. I'm not going back College, proposes taking up radio as a profession. He is an alert, manly little fellow who converses on radio like a veteran.

> "SWITCH" cannot resist an inclination to pay a tribute to the Wellington Radio Exhibition Committee, headed by Mr. A. J. Heighway, chairman, for the splendid management of the initial function. The affair ran like clockwork, and everything showed adept generalship. The exhibitors also deserve credit for their tastefully arranged stands and their eagerness to demonstrate to the public.

> THE Wellington branch of the New Zealand Amateur Transmitters bad an attractive stall at the Radio Exhibition which had always a crowd of curious folk around it. One of the best exhibits on this stall was the portable morse transmitting set operated with batteries. It required only a thirty-foot aerial, and was able to communicate with Australia. is the very set suitable for following a Cook Strait swimmer. It could be placed on a launch, and with the assistance of an amateur ashore the description of the swim could be passed along by telephone to 2YA, Wellington, for broadcasting. Mr. J. Johnston, builder and owner of the transmitter, stated to "Switch" that he would be willing to co-operate with 2YA if desired on any occasion.

THE judge of the essay competition. on "The Possibilities of Radio" in connection with the Wellington Radio Exhibition was keenly disappointed with the essays received. Some started out fairly well and slumped slumped badly. Others throughout. The ideas expressed were frequently crude, but there was a lack of anything original. The composition was generally of the primary school standard. There were convincing reasons why the first prize was withheld.

P-COUNTRY colleges should take a leaf out of the page of Solway College for Girls, near Masterton. number of parents subscribed a sufficlent sum for defraying the cost of an all-electric receiving set, a first-rate aerial, and three loudspeakers, which are distributed throughout the college. Connections to the speakers are made through lead-shielded cables. speaker is situated in the college assembly hall (a miniature theatre), a detached building about 50 yards away from the receiving set. The shielded connecting cord is buried a few inches underground until it enters the assembly hall. The chief New Zealand, several Australian stations and a Japanese station give good loudspeaker reception.

AT the Wellington Radio Exhibition "Switch" heard that a recently arrived Australian had stated that it is rumoured in Sydney that 2BL, Sydney, is to have its power increased to 15,000 watts. This would make a tremendous increase in the number of listeners in Australia, where great distances have to be spanned to reach some of the towns inland.

A STRANGE effect was created at the Wellington Radio Exhibition when dozens of sets and loudspeakers were reproducing the music broadcast by 2YA, Wellington. Music flowed in all directions and as the sets were all tuned to 2YA the music synchronised so that the air was flooded with melody. The multi-valve sets required no aerials for picking up 2YA owing to proximely to the big station. Some sets, however, were fitted with short aerials as they were so completely shielded that even the local station could not penetrate them without the aid of an aerial.

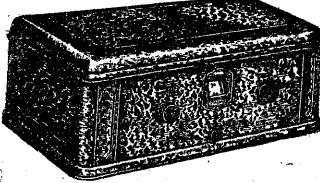
COUNTRY listeners flocked down to see the Wellington Radio Exhibition and "Switch" made personal acquaintance with many whom he knew only through the mediu. of corres-The displays were an eyenondence. opener to these up-country visitors, and one heard many resolutions to scrap the old battery sets or bring them up date with battery eliminators. Several visitors said that the A.C. sets had captivated them completely and they ran critical eyes over the various exhibits.

WHETHER or not an artist has broadcast before will not influence the Australian Broadcasting Company in making selections for future programmes. This announcement has been made by Mr. Stuart F. Doyle on behalf of the new company. "It would be highly ridiculous to turn an artist down because of inclusion in the programmes of the old regime." added Mr. Doyle, "as listeners would thereby be deprived of some of the best talent in Australia." It is the policy of the Australian Broadcasting: Company, however, to conduct auditions of every artist, whether previously broadcast or not, so that the best production possible may be procured for the micro-phone. "Presentation is everything," concluded Mr. Doyle, "and the best musical and broadcasting experts available have been engaged to conduct these auditions in a model studio and audition room specially constructed for the purpose.'

SOME exceptionally fine electrodynamic loudspeakers were heard at the Wellington Radio Exhibition, their tone being a veritable revelation music reproduction. Visitors could be seen passing backwards and forwards from stall to stall endeavouring to assure themselves as to which was the best. The most novel set was a neat little affair with American A.C. screened-grid valves throughout the radio stages. This was the very first of its kind landed in New Zealand. The set could be carried quite comfortably under an arm. "Switch" learnt from a most credible source that this is a perfect marvel for long-distance reception, Some great performances were accomplished with it recently in a Wellington suburb.

FAMOUS FADA Tone Quality

HEATER VALVES. SINGLE DIAL AND CONTROL.



FADA 16 ALL-ELECTRIC

This receiver is encased in an ornamental metal cabinet, velvetex finish, effecting a pleasing and handsome appearance. Single tuning control, illuminated dial.

Receiver consists of three stages of tuned radio frequency amplifi-

receiver consists of times sugges of tunes requestly amplification, one of which is a stage of push-pull power amplification.

Jacks are provided at rear of cabinet to accommodate gramophone electric pickup.

Utilising the powerful push-pull amplification of the receiver, magnificent reproduction from gramophone records

FADA CONE SPEAKER at £9/10/- matches at the Metal Cabinet of the FADA 16. :: New Zealand Distributors:

FLECTRICAL and ENGINEERING CO.Ltd.

AUCKLAND, WELLINGTON, CHRISTCHURCH, DUNEDIN. HAMILTON, WANGANUI, TIMARU.

Broadcast Music for Coming Week

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

Boilon Woods

"Made Rich Gay, and Gay Rich."

HE Beggar's Opera," the forerunner of English opera, made its first appearance at the Theatre Royal, London, in 1728. It was written by Mi Gay, and Dr. Pepusch, and the theatre was at that time under the management of Mr. Rich. It had a hitherto unprecedented run of 62 nights, and was soon described as the opera which "made Rich gay, and Gay rich." The many charming tunes which Pepusch adapted to Gay's verses, were drawn from a fund of English, Irish and Scottish popular melodies, some of them contemporary, and some of them dating from an earlier period.

The Bohemian Quintet will play "Five Interludes," from "The Beggar's Opera," at 3YA, on Wednesday, Aug-

"The March King."

TINDOUBTEDLY one of the most successful American composers, bandmasters and musical litterateurs, is John Philip Sousa. The son of a Spanish trombonist, he studied harmony and composition when a boy, and at the age of seventeen, was leading a varied existence as conductor of itin-

erant theatrical companies. In 1877 made the March such a tremendous Dame," are still played, though the he was chosen as one of the violinists of the crchestra assembled by Offen-bach for his American tour, and later conductor of the Philadelphia church the Philadelphia Symphony Orchestra, choir "Pinafore" company. He has written a popular novel, six other books on his travels, and instruction books for various instruents. He has produced eight successful comic operas, and his many marches are known the world over.

The 2YA Orchestra wll play "The by Sousa, on Saturday, Gladiator." August 10.

"The Spirit of Russia."

MOST of the older listeners will remember the war between Turkey and Serbia, which was raging in 1876. The great Russian pianist, Nicholas Rubinstein, organised a charity concert for the relief of the wounded, and for the occasion, Tschaikowsky wrote the Slavonic March. The opening of "in the the March is very sombre, manner of a funeral march." Later, the Russian National Hymn is heard, and the whole ends brilliantly and joyously. Perhaps it was the sombre opening and the joyful ending which

success, for people considered that it

will be used at 1YA on Friday, August

A Lively Opera,

NICOLAI'S opera, "The Merry Wives of Windsor," follows closely the well-known adventures of Falstaff, Mrs. Ford, and Mrs. Page, of Shakespeare's play. It was first produced in German at Berlin in 1849, and was afterwards translated into Italian, French and English. Only the overture is heard nowadays, as a concert piece, the opera in its entirety being a

thing of the past.
A record of the ever-popular "Overture" will be used at 4YA on Friday,

August 9.

The Survival of Overtures.

ALTHOUGH there has never been anything in music quite like the Gilbert and Sullivan operas, of which England is so justly proud, the association of Auber as composer and Scribe as librettist was as nearly a parallel as it is possible to imagine. There are several points of difference as well as resemblance, notably that the two produced quite a number of serious as well as comic operas. But it is the latter alone which survive, and these only in such fragments as the overtures, "The Crown Diamonds." "The Black Domino" and "Fra Diavolo." Auber had a deft hand in volo." sketching the personalities of the characters in the music he gave them to His music is so full of brightness and good humour that it is a real misfortune that it is not heard more THE best known pianoforte music

"Money from Home."

is Count Boieldieu, whose overtures, the devil, so wonderful were the things "Caliph" of Bagdad" and "Blanche he did with his violin. Liszt's interest

operas are seldom heard. ran away when a child, having upset the inkpot on his master's manuscript. He ran away again at the age of twenty, arriving in Paris with eighteen francs, the score of an opera, and his good looks. Things went very hadly and he had made up his mind to drown himself, when money and letters came from home and he secured a position tuning pianos. This lead to his singing his own songs at the receptions given by the piano firm, and soon he was one of the most popular young men in the capital.

The 1YA Orchestra will play the overture, "La Blanche Dame," on Sat-

urday, August 10.

"A Precious Memory."

IN the Gilbert and Sullivan opera, "Tolanthe," Phyllis is an Arcadian shepherdess and a ward in Chancery, while Strephon is an Arcadian shepherd, half fairy and half mortal, a fairy down to the waist, who finds his mortal latter-end an insurmountable obstacle to creeping through keyholes and following other fairylike whims. They are daintily attired in costumes a 1a Watteau, and one of the most precious memories of the opera, is their love duet. It is the best of its kind in all the operas, and in beautiful imagery it is a matchless piece of writing. the refrain the two voices answer one another tenderly, and the accompaniment fits the sentiment admirably.

Miss Gretta Stark and Mr. Will Hancock will sing "None Shall Part Us" at 2YA on Friday, August 9.

"In League with Satan!"

made of Paganini's violin studies The 2YA orchestra will play the over- is, of course, the series of transcriptions ture "Fra Diavolo" on Friday, August by Liszt. He and Paganini roused the 9, and it will be rebroadcast by 3YA. world to astonishment by their amazing feats of technique, that it was usual to bracket their names together as twin A MONG the composers who ran away magicians. Paganini, indeed, was from home to make a start in life thought by many to be in league with

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in the violinist caused him to transcribe a number of his most difficult studies, which he dedicated to Schumann's wife, herself one of the great pianists of history. Schumann's versions are less brilliant and showy than Liszt's, but are invested with more of poetry and romance. They are really more Schumann than Paganini.

Mrs. Ernest Drake will play one of by Schumann, at 4YA, on Monday, August 5.

In Lighter Vein.

WHOLLY unlike the melancholy which Tschaikovsky reveals in so many of his other works, especially in the Fifth and Sixth Symphonies, his "Chant Sans Paroles" (Songs Without Words) is a light-hearted, melodious piece, with no great depth of feeling, but with a charm of its own which amply accounts for its popularity in the many different arrangements in which it is played.

The St. Kilda Band will play the "Chant Sans Paroles" at 4YA on Tues-

day. August 6.

"Sorrow, a Source of Song."

FINLAND is the land of magic song, and has given birth to many noble sons who have richly added to the music of the world. Armas Jarnefeldt (1869) is a composer of many charming songs and symphonies. Like all descendants of the Slav race, who have taken up music as a profession, he bases his conceptions on the ancient folk songs of his native land. The people of this land have from the earliest days suffered, and from this suffering has come their beautiful music-"Sorrow is the source of singing." The "Praeludium" is a highly favoured item on the concert platform. In conception it is quaint and humorous, with beautifully expressive plaintive phrase.

A record of the "Praeludium" will be used at 3YA on Wednesday, August 7.

"Trees."

THE poem by Joyce Kilmer, "Trees." set to music by Rasbach, is of such beauty that we quote it in its entirety. That the music is a perfect setting for its exquisite lines is saying much:,

"I think that I shall never see poem lovely as a tree; tree whose hungry mouth is prest Against the earth's sweet flowing breast:

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Hawke's Bay Notes

(By X.Y.Z.).

standing feature of note in the last week or two is the fact that the "B" class station 2ZH, has opened at

for improved reception from 2YA, and The Radio Society, who are responsible where the next move in connection confident that the programme will be with the proposed relay stations is one of the finest ever put over the air, coming from. The request for relief and in addition to relaying it through of some description up this way is 2YA, a special land-line is to be run to backed up not only by the Hawke's Bay the Napier Municipal Theatre for the THERE is not a great deal doing in Radio Society, but also by the Radio presentation of the concert there. In radio matters up this way at the Clubs in Napier and Gisborne, so that this connection the Napier Radio Club the Studies on a Caprice of Paganini, moment, and probably the most out- quite a lot of listeners are affected.

THE writer would like to congratu-

brings home to listeners here the need ings by 2YA on Thursday, August 22, up this way we're still wondering for the arranging of the concert, are is working in with Hastings, as the funds are to go towards the receiving outfit for the Napier Hospital. It will

late the company on its fine work be a unique effort, and probably the

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1YA BROADCASTING CHOIR.

Back Row (reading from left to right) -Miss G. Weir, Mr. W. P. Morphy, Mrs. H. L. Timmings, Mr. H. H. Salter, Miss M. Davison, Mr. H. Langton, Miss C. Foster.

Third Row.—Mr. W. Langton, Miss C. Mulqueen, Mr. E. J. Robson, Miss A. McDonagh, Mr. A. W. Hickman, Mr. H. Rosieur, Mr. A. L. MacPherson, Miss S. W. Donnell, Mr. T. Moffitt.

Second Row.—Mr. R. Wilson, Miss E. V. Brooke, Mr. J. L. Heath, Mrs. B. Barclay, Mr. E. M. Newling, Miss M. Taylor, Mr. E. Green, Miss N. Marriage, Mr. R. Stephenson.

Front Row.—Miss I. G. Phillips, Mr. J. Wilford, Miss D. A. Twyford, Mr. Len Barnes (conductor), Mr. Cyril Towsey (pianist), Miss R. McCullay, Mr. J. H. Joss, Miss M. O'Grady and Mr. T. Dunn.

working order, and although only small power is being used just now, it is heard clearly and with good tone. The station operates on Wednesday and Sunday nights, and also on Sunday afternoons, and is providing a good boon to listeners in this vicinity. Have

THE fact that the new station at Napier has opened, once again

any outside listeners located it yet?

A tree that looks at God all day, And lifts her leafy arms to pray; A tree that may in summer wear A nest of robins in her hair, Upon whose bosom snow is lain; Who intimately lives with rain, Poems are made by fools like me, But only God can make a tree."

Miss Vera Martin will sing "Trees" at 3YA on Sunday, August 4.

Masterton. It was a great effort, much such lines. better than last year, and Hawke's Bay fans appreciated it very much. The Hawke's Bay Radio Society, with its usual keen eye to business, installed a receiver in the Hastings Drill Hall, and through three loud-speakers enabled the Hastings public to listen-in. It was not done for this purpose alone, however, for at the door a collection box was held out, and a sum of £13 was cleared, and was handed over to the local earthquake relief fund. It was quite a praiseworthy effort. Last year the Radio Society did the same thing with the same football relay, and handed over £4 14s. to the local unemployment fund.

THE next thing which will be occupy-

COMPRESSE DE LA COMPRESSE DE L Napier. The station is now in full in relaying the football match from first ever attempted in New Zealand on

> ${f A}$ S for the concert itself, the programme will be full of variety. The Orphans' Club Orchestra of 34 instruments, one of the finest of its kind in New Zealand, will render selections, and the Hastings Band, which won the "B" grade championship last year, will also play. Two of the local dance bands will present latest dance numbers, and items will be given by the students of the Maori Agricultural College, and also the famous Te Aute College. The Awapuni Women's Institute, another Maori party, will also take part, and Mrs. R. J. Robertson, who at Home was billed as the "Young Clara Butt," will sing. A xylophone solo will be introduced by Mr. Newton ing the minds of local listeners is Mitchell, and Signor Corredetti, a fine the concert to be relayed from Hast- Italian tenor, will be heard.

ANSWER TO ENQUIRIES.

1XA was on the air on Monday, July 15, to describe wrestling contests. See **Auckland Notes.**—Ed.

Dinner Music Tacets.

T OBJECT to the delays during the music put on at 2YA during 6 p.m. and 7 p.m. As I live out in the backblocks, it is very difficult to get my A battery charged, more especially since the earthquake; one is wasting power. If the operator wants some smoke-ohs, why don't you have an ex-tra attendant? I may add that the dinner hour music is the best part of the programme. We have to retire early to get up early in the morning, hence we cannot sit up till 10 p.m. So my suggestion is, keep the dinner hour music going with no silent intervals, then our "juice" is not being wasted squich.—Ken. G. Rouse (Murchison).

Fading From 2YA.

THE last two or three weeks 2YA has been fading, at times badly. This is most unusual, but 3YA always fades badly. This afternoon 2YA is not to be beard at all, and the combined bands were to be on the air at 2.30 p.m. 4YA is coming through quite clearly. and with great strength, so it is not my machine. I can always pick up 2YA in the day time, but to-day I think the power must be off. It is hard luck when you look for something good. James Cameron (Waitahuna).

Ode to 2YA.



Will correspondents please practice brevity, as heavy demands are now made on space. All letters must be signed and address given as proof of genuineness; noms de plume for publication are permitted. Address correspondence Editor. "Radio Record." P.O. Box 1032. Wellington.

to 7 p.m. on Wednesdays is deadly zing up; rather on high-brow side. dull. Your race session A1. Wish Aussie pleases with light stuff. I sug-Auckland and Christchurch are not the whole of your record programme Wednesday evenings. We would sooner hear records of professionals than dud day.—Quite Satisfied (Hawke's Bay). amateurs. Sopranos should choose more mezzo solos; the high notes are too hard. Hearty congratulations to Ranfurly Shield announcer. Although Moran. Some Dunedin artists gave us musical numbers from "Our Miss numbers from "Our Miss ONLY one thing I do not like about Gibbs." Absolutely first rate, good purchasers. Why not strike an average you, 2YA, is your silent day; 6 p.m. idea. Programme want a bit of jaz- of prices and let us have it in a few

you could relay other large meetings, gest listeners-in should let studios know Auckland and Christchurch are not when particular artists are pleasing, much good in day time. Congratula Please, Mr. 2YA, do not say "Goood tions to 2ZH, Napler. I listen-in to night"; something short and snappy would suit your excellent style better. Looking forward to seeing 2YA some

Lectures on the Air.

I HAVE often waited for a lecture over the air before closing down licked, we enjoyed the game immense- my set, and have had to wait while ly, which was due to his excellent and market reports are waded through. Alclear description. Come again, Mr. F. though I am a farmer I fail to see why several different firm's reports should be read, or the names of vendors or

words. Another aing: why not see that reports are sensible. A case of cucumbers or bag of cabbages cannot be valued unless the weight or size is given, for different towns have different standard practices for marketing goods, Again, what proportion of listeners understand or desire the 4 p.m. weather reports from all the stations around the Tasman Sea? Is the time required on these reports justified? The way we are asked to stand by for chimes for five or ten minutes makes one think they have exhausted the news or run out of phonograph records. Listening to a station like 3LO one notices that not a tick of the clock is wasted. In a note to you some weeks ago I also offered the sugge tion that occasionally at regular intervals, say every six months, you publish an index to your previously published con-structional items. I have filed all "Radio Records" since publication started, and find it almost an impossible job looking up some detail in a past number. In which number will I find details of the two sized square linen loudspeaker?-B. C. Colbran (Southland).

ITo comply with the request of this correspondent a full index of constructional features was published in Vol. II, No. 52. The detailed description of the speaker appeared in Vol. I, 52 (July 13, 1928), now out of print.—Ed.]

In the Earthquake Area

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Next Week's Features

Mr. Edgar Randell. A studio concert will follow, when a very enjoy-able programme will be presented. Contributing artists will be Madame Humphrey Steward (soprano), Mis-Doreen Atkin (soprano), Miss Dori-Gower (contralto) and Table Gower (contralto) and Mr. O'Malley (baritone).

ON Tuesday evening, in addition to the presentation of "The May Queen" by the Studio Choir, the third act of "Carmen" will be produced by means of gramophone records, with explanatory remarks by Mr. Karl At-

ON Wednesday evening there will be an interesting relay from the Lewis Eady Hall, where the Auckland Stadents' Association will give a recital. This will continue till 9.30, after which there will be items from the studio. The vocalists will be Miss S. Stacpoole and Mr. Frank be Miss 5. Statepoole and Sutherland, who will sing duets as well as solos. The soprano solos will be "The Lass With the Delicate Air" and "The Little Brown Owl." "Chara-"Charabanc Joe" and "The Drum Major" will be Mr. Sutherland's solos. The duets comprise "Arise O Sun" and "Creole Swing Song."

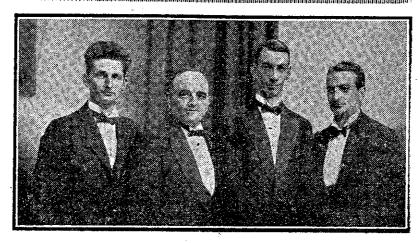
"THE Modern Age—as the Socialist Sees It," will be Mr. N. M. Richmond's talk on Thursday evening.

FOR classical night on Friday an SATURDAY excellent programme has been arrelay from Lewis Eady's Hall. Fred Baker (baritone), Mr. Clarence

THE service in St. Mary's Cathedral will be broadcast on Sunday evening. The preacher will be Canon William Fancourt and the organist Mr. Edgar Randell.

A studio core

and the second statement of the second secon



CATHEDRAL QUARTET TO SING FOR 3YA.

Reading from left to right, the members are: Messrs. J. Hinton (first tenor), H. Gill (second tenor), A. Woodward (second bass), and Fred Bullock (first bass). They are all lay clerks at the Christchurch Anglican Cathedral. Mr. Bullock is a professional teacher of singing and one of the best flautists in Christchurch. The quartet will be heard on the 3YA ether on Thursday evening next week.

ONGERE RECEINE PER RECEINE RECEINE RECEINE DE RECEINE RECE

ranged. It will open with a brief Lively songs will be sung by the Lyric Taranaki Street Methodist Church, all relay from Lewis Eady's Hall. The Quartet and there will be humour the members of the Wellington branch studio concert will be provided by from Mr. Allan McElwain. The Bo of Toc H being present A build studio concert will be provided by from Mr. Allan McElwain. The Bo-Misses A. McGruer and B. Smith, Mr. hemian Duo and Ingall's Hawaiians will also be performing. The Studio Dame "La Dame" The Studio Paine (elocutionist), Miss Ina Bos Orchestra will play "La Dame worth (violiniste) and the Studio Blanche," selections from "The Trio. Soprano and contralto duets Quaker Girl," "Ballad Memories" and will be "On Wings of Song" and "Just "In Arcady."

evening's programme the late Captain Dillon Bell. On this will be of a bright week-end type. occasion the service will be held in the of Toc H being present. A brief description of the service will be given from the studio.

> AT 7 p.m. on Sunday evening the service of St. Gerard's Redemptorist Church will be broadcast, and at the conclusion of the service the recital of the Port Nicholson Silver Band will be relayed from the Grand Opera

> MONDAY evening's programme will be of an interesting and varied nature, the contributing artists being Mrs. Edris Spackman, of Napier (soprano), Mr. Asshton Harbord (baritone), Mr. Eric Rishworth (tenor). and Miss Nora Green (contralto).

A feature of the programme will be the two piano duets played by Misses quest Items" and comprise songs and Nora Gray and Lalla Vondersloot, their concerted items, both grave and gay. items being "Croon" (by Harris) and The novelty instrumental side of the

Cambrier's "Spanish Rhapsody." Mr. Horace Cottrell, of Napier, will give a talk on "The Gannets at Cape Kidnappers." The orchestral items will be "Hungarian Lustspiel," "Kol Nidrei," "Two Norwegian Dances" (hv Grieg), and a suite of two Paderewski numbers, "Wiegenlied" and "Liebeslied." There will also be a brief organ recital by Mr. H. Temple White.

TUESDAY evening's programme will open with a march medley by the orchestra entitled "Martial Moments" Miss Greta Stark, the soprano soligi for the evening, will feature excerpts from musical comedy, and a new combination, Ajax and Bejax, will enterrain listeners with two Hebrew sketches intitled "Cohen Buys a Wireless Set" Claude Hoare and Edward Silver specialists in jazz piano and vocal numbers, will render several of the latest hits in their usual inimitable tyle, and Mr. G. Austin Blackie, the popular tenor, will also be heard in everal numbers from his repertoire.

Messrs. W. Sneddon and Harold Oakes, two members of the Studio Orchestra, will provide an instrumental novelty in the form of a cornet and trombone duet arrangement of "Watchman! What of the Night?" At 9.30 the usual dance programme of selected records will be presented.

ON Thursday evening the programme will consist of the "Radio Pageant of the Maori Race."

ON Friday evening the Etude Quartet will be featured in a programme of vocal gems from musical comedies, and with the assistance of the orchestra an enjoyable programme is anticipated. The elecutionary portion of the programme will be provided by Mr. M. Hawken, a well-known young elocutionist from the Wairarapa. The vocal items will comprise numbers from such popular musical comedies as "The Mikado," "Our Miss Gibbs," "Gypsy Love," "Southern Maid" and "Iolanthe," being sung as solos, duets and quartets.

 $\mathbf{A}^{\mathbf{T}}$ the conclusion of the studio programe on Friday evening Act 2 of the opera "Carmen" will be pre sented by means of gramophone re-

SATURDAY'S programme will be of a high-class vaudeville nature, a feature of the programme being the vocal items rendered by the Melodie Their numbers are all "Re-

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programme will be contributed to by Mr. Dick Richards (bagpipe solos) and Mrs. H. G. Reeves, who will be heard in several banjo solos. Another feature of the programme, will be Mrs. Winifred Birch-Johnson's items, viz., a comic song, "The Bird on Nelly's Hat," and a whistling solo, "O Sole Mio." Mr. Frank Moran, the popular comedian, will provide the humour on the programme.

3YA Notes

THE service to be conducted in St. Albans Methodist Church will be broadcast on Sunday evening. The Rev. S. J. Warren will be the preacher. A brief studio concert will follow, preceding the rebroadcast of the concert which is to be given by the Port Nicholson Silver Band in the Grand Opera House, Wellington. The artists contri-buting to the 3YA studio programme will be Miss Vera Martin (contralto) and Mr. W. H. Inkster (baritone).

THE fortnightly book review will be given by Mr. E. J. Bell on Monday

THE Christchurch Municipal Band, under Mr. J. Noble, will give a programme on Monday evening. The assisting 3YA artists will include a duo who will give humorous sketches. This due will consist of Miss Gladys Willetts and Mr. W. H. Moses. The sketches will comprise "The Coster's Courtship" and "Insuring His Life." Mr. W. H. Moses will give the dramatic recital, "The Day That I Have Loved." Mrs. J. A. Stewart (mezzosoprano), Miss Eileen Johnston (soprano), and Mr. Robt. Robson (baritone) will contribute a variety of fine vocal numbers and a variety of instrumental selections will be played by the Studio Trio. The band items will comprise two marches, "Duntroon" and "Old Faithful," "Stradella" (by Flotow), "Largo in G," "Bells Across the Meadow" (Ketelbey), and "Aloha-Oe," a Hawaiian number.

THE fourth, and last, act of "Carmen" will be presented on Wednesday evening. The story supplementing the gramophone records will be related by Mr. W. H. Dixon (Professor of Singing).

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Four will sing a number of nursery rhymes, and these will be a very pleasing feature of the programme. Instrumental quintettes will be played by the Bohemians. There will be pla-noforte items by Miss Merle Miller. Solos will be sung by Miss Frances Hamerton, Miss Belle Renaut, Mr. Russell Sumner and Mr. T. D. Williams. Recitations will be given by Mrs. Margaret Williams.

THURSDAY evening is the night of the Radio Pageant of the Maori Race, produced in TYA Studie.

"POPULAR" type of programme, A "POPULAR type of parameter followed by a session of dance music, will constitute Friday evening's entertainment, Miss Millicent Jennings will be heard in popular songs as well as in a Spanish serenade, "My Beloved." Miss Alma Finnerty will also sing popular airs. Prominent on the programme will be the "Iwo White Crows," who, with singing and patter, will give a burlesque entertainment. Also contributing will be the Rose and Thistle Duo, in jazz songs at the plano with banjoele. The dance music of the evening will be provided by the Bailey-Marston Dance Orchestra, which will play the latest airs.

4YA Notes

THE service in Knox Church will be broadcast on Sunday evening. The Rev. James Burns will be the preacher. Following the church service there will be a relay of the concert to be given in His Majesty's Theatre by the Dunedin Tramways

THE third act of "Carmen" will be presented on Monday evening. A feature of the evening's programme will also be the presentation of Liza Lehmann's famous song cycle, "The Golden Threshold." Miss Dorthy Skinner will sing the soles, "My Ships" and 'A Bequest." Miss Freda Elmes will sing "Go Down to Kew" and Mr. J. The Studio Montague "Macushla." montague "Macusma." The Studio Trio, collectively and individually, will contribute items, and Miss Julie Jacobs will recite three Shakespearcan

ON Tuesday evening the concert by the St. Kilda Band will be interspersed with items relayed from the Bristol Plano Company's recital. The band items will be! Marches, "Machine Gun Guards" and "Royal Rover"; waltz, "Tesoro Mio"; trombone fan-tasia, "The Joker"; intermezzo, "Chant sans Parole"; "Gems of Irish Melody," and a humoresque "Costers' Courtship." The items to be relayed from the Bristol Plano Company's recital will consist of pianoforte solos and ducts by MONDAY, AUGUST 5,-Cousin Zac Messrs, R. E. Fledler and J. Aldridge, as well as some exceptionally fine vocal numbers. Miss Gwenda Burt will sing "A Summer Night" and "Danny Boy."
"Lolita" and "Angels Guard Thee" will be sung by Mr. L. E. Dalley, while "Arise, O Suh" will be a duct.

TWO one-act plays feature on Wednesday evening's programme.
They will be acted by the Winkel-Lampen Radio Players. The first play is called "Op-o-me-Thumb." The

A MISCELLANEOUS programme scene is located in Soho, London, where will support the operatic section Madame Jeanne Marie Napoleon de on Wednesday evening. The Melodious Gallifet Didier has a laundry. There is a distinct French flavour about the story, which will be very amusing. The other playlet is entitled, "Calais to Dover," being supposed to have taken place on a cross-Channel trip. It is of a very breezy nature. two plays will occupy about three-quarters of an hour. The supporting vocalists on the programme will be Miss Thelma Blackman, singing the latest popular songs, Mr. W. Ruffell (baritone), and Mr. Buster Brown, Scottish comedian, singling Lauder songs. Mr. Ruffell has selected three fine songs, "Nightfall at Sea," "Serenata," and Nelson's fine descriptive number, "The Windmill."

ON Thursday evening the radio pageant of the Maori race will be broadcast.

THE contributing artists for Friday evening's programme will be Miss Olga Wynne (soprano), Mr. Geo. Crawford (tenor), and Mr. Fred Kershaw (bass). Miss Tul Northey, elecutionists, will recite "I Don't Care," "Miss "Busy." and "Pierrot." The instru mental portion of the evening's programme will be provided by the Studio Trio and by a relay from the Ritz Broadcasting Orchestra.

SATURDAY evening's programme will be a relay of 3YA's entertainment.

Children's Sessions

FROM 1YA.

TUESDAY, AUGUST 6.—Humorous sketches from Cousin Veru, songs from Joan, and Uncle George with bright stories and birthday greet-

WEDNESDAY,—Cousin Lois, who plays so delightfully, will assist and Uncle Tom this evening. Uncle will also have some favourite records. -

THURSDAY, Tr e in, and hear what Peter Pan and Cinderella have for to-night-conundrums catches you may be sure, and cousins giving musical items.

FRIDAY.—A playette for to-night call-cd "A Princess Reformed." All look forward to the plays that Nod and Aunt Jean give us.

SATURDAY .-- A trip round the Auckland Harbour, and who do you think on board? All the Uncles and Aunts, so don't miss listening in, for there is going to be plenty of fun for Rudioland.

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

2YA SESSIONS.

will be here with his steel guitar to night, and Uncle Jeff and Aunt Gwen are going for a trip in the fairy motor-car. Will you come? When we come back to the studio Cousin Roma will be waiting for us with songs and poems.

TUESDAY,—Some of Miss Rose Carte's little people to-night with lots of things to tell in song and verse. There will be birthday greetings and story from Uncle Jim.

MISCELLANEOUS programme scene is located in Soho, London, where THURSDAY,—Pupils of Miss Phyllis Compton, whose first programme was so much enjoyed will be at the studio to-night. Uncle George will greet our birthday folk and

sing his smiling song.
FRIDAY.—A happy little time tonight with Cousin Oscar (who plays the saxophone), Little Betty and Diana (with their fairy poems), Cousin Jean (who sings so well), and Big Cousin Jack.

SATURDAY .-- A merry little programme by the pupils of Mrs. Martyn Williams, and song, story and greetings from your Uncle Toby and Annt Gwen.

SUNDAY.—Children's song service will be conducted by Uncle George, assisted by St. Mark's Sunday School Choir under Mr. Small.

AT 3YA.

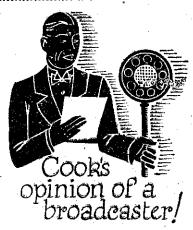
MONDAY, AUGUST 5. Scatterjoy is our captain to-night Of the aeroplane "Antarctic Light." So, to the South Pole we'll go, Visit Commander Byrd and Co., And view the Auroras so bright.

WEDNESDAY, August 7. What says Mother Hubbard

As the clock's striking six?
"Oh. hurry, Uncle Frank With that story for the 'chicks."

A song we'll sing, too, As the hour silps away, Then croon a soft lullaby At the end of this day.

THURSDAY, AUGUST 8. Cousins Molly and Bruce To-night are on hand. Singing one or two songs Of a far-distant land. Uncle John is here, too, With stories for you; (Continued on page 8.)



-she thinks he's wonderful during the evening programme --but when it comes to baking she'd sooner have a tin of ANCHOR SKIM MILK POW-DER on the shelf than the finest radio going. A few spoonfuls added to every mixing mems more delicious scones and cakes-higher food value--and a freshness that lusts for DAYS.

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Full Programmes for Next

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Sunday, August 4

1YA, AUCKLAND (900 KILOCYCLES),—SUNDAY, AUGUST 4.

3.0 p.m.: Afternoon session-Selected studio items.

4.0: Literary selection by the Announcer.

Studio items.

4.30: Close down.

Children's session, conducted by Uncle Leo.

6.55: Relay of service from St. Mary's Cathedral. Preacher: Canon William Organist: Mr. Edgar Randell.

8.30 (approx.): Orchestral-Royal Philharmonic Orchestra, "Two

ments in Symphonic Form" (Merrick). 8,38: Soprano solo—Madame Humphrey Steward, "Cradle Song" (Kreisler). 8,42: Choral—Sheffield Orpheus Choir, "Hymn Before Action" (Davies)

(Regal Record G0008).

8.46: Baritone solo—Mr. Leo O'Malley, "Queen of Angels" (Sullivan).
8.50: Soprano solo—Miss Doreen Atkin, "The Star" (Rogers).
8.53: Pianoforte solos—Ethel Leginska, (a) "Impromptu in A Flat" (Schubert); (b) "Impromptu in F Minor" (Schubert) (Columbia Record 02739).

9.1: Vocal duet-Madame Humphrey Steward and Miss D. Gower, "They

Shall Hunger No More" (Gaul).

Violin solo—Efrem Zimbalist, "Ave Maria" (Schubert) (Columbia Record 04220).

9.9: Contralto solo—Miss Doris Gower, "The Lost Chord" (Sullivan). 9.13: Baritone solos—Mr. L. O'Malley, (a) "The Blacksmith" (Bishop); (b) "Rest Thee, Sad Heart" (Del Riego),

9.21: Selection-Band of H.M. Grenadier Guards, "Merrie England" (Ger-

man) (Columbia Record 02804).

9.30: Close down.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, AUGUST 4

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

3.1: Relay from Taranaki Street Methodist Church of Annual Toc H Service of Thanksgiving and Remembrance for the late Captain Dillon Bell.

Children's service, conducted by Uncle George. Relay of service from St. Gerard's Redemptorist Church.

8.15 (approx.): Relay from Grand Opera House of recital by the Port Nicholson Silver Band, under the conductorship of Mr. J. J. Drew. Close down.

3YA, CHRISTCHURCH (980 KILOWYCLES).—SUNDAY, AUGUST 4.

3.0 p.m.: Afternoon session—Selected studio items.

4.30: Close down.

5.30: Children's song service (children of the Methodist Sunday Schools).

6.15: Hymn chimes from the studio.

6.30: Relay of service from St. Albans Methodist Church, Rugby Street.
Preacher: Rev. S. J. Werren, Musical Director: Mr. W. Simpson.
Organist: Miss Clarice Bell, L.A.B.

7.45: Studio concert:
Contralto solos—Miss Vera Martin, (a) "Dawn" (Curran); (b)

"Trees" (Rasbach).
7.51: Baritone solos—Mr. W. H. Inkster, (a) "The Blind Ploughman" (Clarke); (b) "On the Shores of the Aegean Sea" (Marsh Little).
7.58: Instrumental—Budapest String Quartet, "Quartet in B Major" (1st

Movement) (Mozart) (H.M.V. record D1387).

8.6: Contraito solo—Miss Vera Martin, "The Sands of Dae" (Clay).

8.10: Baritone solo—Mr. W. H. Inkster, "The Mighty Deep" (Jude).

8.15: Rebroadcast of 2YA. Wellington (relay from Grand Opera House of recital by the Port Nicholson Silver Band under the conductorship of Mr. J. J. Drew). of Mr. J. J. Drew).

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

3 p.m.: 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 Knox Church. Preacher: Rev. James Burns. Organist: Mr. Roy Spackman.

Relay from His Majesty's Theatre of concert by the Dunedin Tramways Band, under the conductorship of Mr. C. Morgan,

9.15: Close down.

Monday, August 5

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, AUGUST 5. SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, AUGUST 5.

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

3.1 : Selected gramophone items.

4.30 and 4.50: Sports results to hand.

4.55: Close down.

5.0 : Children's session, conducted by Uncle Jeff.

6.0 : Dinner Music Session: Overture—Philadelphia Symphony Orchestra, "Hungarian Rhapsody No. 2" (Liszt) (H.M.V. Record D1296).

Violin solo-Erica Morini, 'Spanish Dance' (De Falla) (H.M.V. Record ED5).

6.12: Tacet.

6.15: Orchestral—Royal Opera Orchestra, (a) "Shepherd Fennel's Dance" (Balfour-Gardiner); (b) "The Sleeping Beauty" (Tschaikowsky) (H.M.V. Record C1469).

Soprano solo-Florence Austral, "The Night is Calm" (Sullivan),

(H.M.V. Record D1506).

6,30: Orchestral-Royal Opera Orchestra, "Eugin Onegin Waltz" (Tschaikowsky), (H.M.V. Record C1281). Violin solos—Fritz Kreisler, (a) "Liebeslied" (Love's Sorrow) (Kreis

ler); "Liebesfreud" (Love's Joy) (Kreisler) (H.M.V. Record

6.43: Tacet.

6.45: Baritone solo-Fraser Gange, "Slumber On, My Little Gypsy Sweet heart" (Herbert) (Columbia Record 02574). Orchestral—Herman Finck's Orchestra, "Schubertiana"

Finck) (Columbia Record 02721). 6.57: Tacet.

7.0 : News session, market reports and sports results,

7.40: Lecture-Mr. A. E. Wilson, Tourist Department, "Tourist and Holiday Resorts."

8.0 : Chimes of the G.P.O. clock. 8.1 : Overture—Orchestra, "Hungarian Lustspiel" (Keler Bela).

8.9 : Soprano solo-Mrs. Edris Spackman, "Solveig's Song" (Grieg)

8.13: Pianoforte duet-Misses Nora Gray and Lalla Vondersloot, "Spanish Rhapsody" (Harris-Chabrier). 8.23: Baritone solo-Mr. L. M. Assheton Harbord, "O Dry Those Tears'

(Del Riego).

8.27: Instrumental-Orchestra, "Kol Nidrei" (Bruch).

8.32: Lecturette—Mr. Horace S. Cottrell, of Napier, "The Gannets at Cape Kidnappers."

8.52: Contralto solo-Miss Nora Greene, "Beyond the Dawn" (Sanderson) 8.56: Tenor solos-Mr. Eric Rishworth, (a) "Fisher Maiden" (Schubert) (b) "Hark Hark, the Lark!" (Schubert). 9.2: Instrumental-Orchestra, "Two Norwegian Dances" (Grieg).

9.10: Weather report.

9.12: Relay of organ recital by Mr. H. Temple White—(a) "Largo In G' (Handel); (b) "Fantasia" (Faulkes).
9.27: Soprano solos—Mrs. Edris Spackman, (a) "Damon" (Strange); (b) "Rosebud on the Hillside" (Schubert).

9.33: Baritone solos—Mr. L. M. Assheton Harbord, (a) "The Dear Homeland" (Slaughter): (b) "Obstination" (Fontenailles).
9.40: Snite—Orchestra, "Paderewski Suite" (Paderewski): (a) "Wiegen

Hed"; (b) "Liebeslied."

9.48: Contralto solo—Miss Nora Greene, "Sink, Red Sun" (Del Riego).

9.52: Tenor solos—Mr. Eric Rishworth, (a) "The Sea Bird"; (b) "Mo

light" (Quilter).

9.58: Instrumental-Orchestra, "The Dance" (Rossini).

10.4 : Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, AUGUST 5.

3.0 : Afternoon session--Selected studio items.

4.25: Sports results to hand.

4.30: Close down.

60 : Children's session, conducted by "Scatterjoy."

: News session.

7.15: Talk-Mr. E. J. Bell, Book Review.

8.0 : Chimes.

Programme by the Christchurch Municipal Band, under the conductorship of Mr. J. Noble, and assisting artists.

: March—Band, "Duntrooh" (Percy Code).

: Mezzo-soprano solo—Mrs. J. A. Stewart, "The Little Damozel"

(Novello)

8.10: Concerted-Minstrels, "A Minstrel Show" (H.M.V. Record EB29).

Week-all Stations-to Aug. 11

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8.14: Instrumental—Christchurch Broadcasting Trio, "Andantino and Rondo Finale" (Reissiger).
8.24: Baritone solo—Mr. Robt. Robson, "Asleep in the Deep" (Petrie).
8.28: Selection—Band, "Stradella" (Flotow).
8.38: Humorous sketch and dramatic recital—Miss Gladys Willetts and Mr. W. H. Moses, (a) "The Coster's Courtship" (M.S.); (b) "Day That I Have Loved" (MS).
8.47: Sorrano solos. Miss Fileon Johnstone (a) "West It A Droam" (Costerio Control of Costerio Control of Costerio Control of Costerio Control of Costerio
8.47: Soprano solos Miss Elleen Johnstone, (a) "Was It A Dream?" (Coslow); (b) "Come, Sing To-Me" (Thompson).
8.53: Slow Movement—Band, "Largo In G" (MS).

9.1 : Weather report.

9.6: Instrumental—Christchurch Broadcasting Trio, (a) "Ballet Music" (Schubert); (b) "Cavatina" (Raff); (c) "Mazurka" (Malling).
9.15: Mezzo-soprano solos—Mrs. J. A. Stewart, "Someone Brought Me Daffo-

9.15: Mezzo-soprano solos—Mrs. J. A. Stewart, "Someone Brought Me Datiodils" (Haydn Wood); (b) "At Dawning" (Novello).

9.21: Baritone solos—Mr. Robt. Robson. (a) "The Sound of the Drum"
(Jude); (b) "The Bells of St. Mary's" (Rodrey).

9.28: Intermezzo—Band, "Bells Across the Meadow" (Ketelbey).

9.36: Humorous sketch—Miss Gladys Willetts and Mr. W. H. Moses, "Insuring His Life" (MS).

9.41: Male voices—Minstrels, "A Minstrel Show" (H.M.V. Record EB39).

9.45: Soprano solos—Miss Eileen Johnstone, (a) "Somewhere a Voice is
Calling" (Tate); (b) "Huguette" (Friml).

9.51: Hawaiian selection—Band, "Aloha-Oe" (Lake).

March—Band, "Old Faithful" (Holzmann).

March-Band, "Old Faithful" (Holzmann).

10.1 : Close down.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, AUGUST 5

3.1 : Selected gramophone items:

4.25: Sports results to hand.

4.30: Close down.

6.0 : Children's session conducted by Uncle Allan.

8.0 : Town Hall chimes.

8.1 : Presentation of the third instalment of the opera "Carmen" (Bizet), Act 3 (Columbia Records 9535-9).

8.45: Instrumental—4YA Broadcasting Trio, "Mikado" Selection (Sullivan).
8.51: Recitals — Miss Julie Jacobs, (a) "Instigation of Hubert" and (b)
"Prince Arthur to Hubert" ("King John") (Shakespeare).

Violin solo—Mr. Frank Parsons, "Elegie" (Ernst). Contralto solos—Miss Dorothy Skinner, (a) "My Ships" (Barratt), (b) "A Request" (Woodforde-Finden).

9.16: Instrumental-4YA Broadcasting Trio, "Hymn to the Sun" (Rimsky-

9.21: Presentation of the song cycle "The Golden Threshold" (Liza Lehmann)

by the Majors Quartet.

9.51: Recitals—Miss Julie Jacobs, (a) "The Seven Ages of Man" (Shake-speare), (b) "Touchstone on 'Quarrelling'" ("As You Like It")

10.18: Close down.

Tuesday, August 6

1YA, AUCKLAND (900 KILOCYCLES)-TUESDAY, AUGUST 6.

3.0 : Afternoon session-Selected studio items.

Literary selection by the Announcer.

: Studio items.

4.25: Sports results to hand.

4.30: Close down.

6.0 : Children's session conducted by Uncle George.

7.0 : News session.

7.15: Talk-Mr. George Campbell, "Motoring."

7.30: Market reports and book review.

Chimes.

8.1 : Relay of orchestral overture by Majestic Theatre Orchestra under the direction of Mr. J. Whiteford-Waugh.
8.10: Presentation of "THE MAY QUEEN" (Sterndale Bennett) by the

1YA Broadcasting Choir under the conductorship of Mr. Len

Soloists:

Soprano'. Miss Millicent O'Grady Mezzo-soprano Miss Madge Taylor

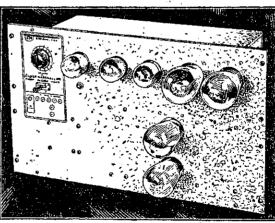
9.27: Presentation of the opera "CARMEN" (Bizet), Act 3 (Columbia Re-

(Synopsis: Act 3 opens in a smugglers' cave in a rocky mountain pass, where, at the rise of the curtain, the smugglers are pouring in from all sides. Carmen and her companions are telling fortunes by eards. Already the girl is tiring of Jose, who is filled with jealousy of the bullfighter. Micaela, the young peasant girl, enters timidly, seeking Jose, whom she would lead back to home and duty. She cannot find him, and passes sadly on. Jose, guarding the pass while the gypsies are on smuggling intent, is encountered by Escamillo, who has come to seek out the gypsy girl who has bewitched him. Jealous glances flash, knives are drawn, and in a wild struggle the bullfighter's blade is broken. The combatants are separated. Nothing daunted, he invites the band of gypsies to are separated. Nothing daunted, he havines the band of symmetric attend the coming bullfight in Seville, and walks calmly away. Carmen, hearing him singing in the distance of his love for her, starts as if to follow him. With his dagger Jose bars the way. Then Jose leaves reluctantly with Micaela, who has now found him to be a start of the start of his matter. and spoken pleadingly to him of his mother, who is breaking her heart for him in her lonely home.)

Close down.

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AUCKLAND,

2YA. WELLINGTON (720 KILOCYCLES)-TUESDAY, AUGUST 6.

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

3.1 : Selected gramophone items.

4.30 and 4.50: Sports results to hand.

4.55: Close down.

Children's session conducted by Uncle Jim.

6.0 : Dinner session:

Orchestral-Royal Albert Hall Orchestra, "Carmen-Prelude to Act 1 and Prelude to Act 2" (Bizet) (H.M.V. Record E461).

Foxtrot-Louisiana Sugar Babies, "Persian Rug" (Kahn) (H.M.V. Record EA397).

Waltz - Hilo Hawaiian Orchestra, "Kawaihau Waltz" (Kéalakai) (H.M.V. Record EA397).

6.14: Tacet.

tz—Chicago Symphony Orchestra, "Roses of the South" (Strauss) (H.M.V. Record D1452). 6.15: Waltz-

Waltzes—Jack Hylton's Orchestra, (a) "Spanish Rose" (Strauss), (b)
"The Angelus Was Ringing" (Damarell) (H.M.V. Record B5481).

6.26; Tacet.

6.30: Waltz-International Concert Orchestra, "Over the Waves" (Rosas) (Zonophone DF3). Chorus-Light Opera Company, Gems from "Sunny" (Kern) (H.M.V.

Record C1208).

Instrumental trio-Kaili, Scott, and O'Neil, "Me and My Shadow" (Rose) (Parlophone Record A2405).

6.45; Orchestral—International Concert Orchestra, "In a Chinese Temple Garden" (Ketelbey) (H.M.V. Record IB4). Orchestral—London Orchestra, "On With the Show" (Nicholls) (Zono-

phone Record 5187).

7.0 : News session-Market reports and sports results.

7.40: Lecturette, "For the Man on the Land" Representative of the Agricultural Department.

8.0: Chimes of the G.P.O. clock, 8.1: Overture—Orchestra, "Martial Moments" (arr. Winter).

8.9 : Soprano solo—Miss Gretta Stark, "The Mirror Song" ("The Last Waltz") (Strauss).

8.13: Waltz-Rio Marimba Orchestra, "My Isle of Golden Dreams" (Blaufuss) (Columbia Record 02685).

8.17: Humorous sketch-Ajax and Bejax, "Cohen Buys a Wireless Set" (Haymun).

8.24: Tenor solo-Mr. G. Austin Blackie, "A Spirit Flower" (Tipton). 8.28: Cornet and trombone duet-Messrs. W. Sneddon and H. Oakes, "Watchman, What of the Night?" (Sargent).

8.33: Soprano solos—Miss Gretta Stark, (a) "Love Will Find a Way," (b)
"My Life is Love" ("Maid of the Mountains") (Fraser-Simpson).
8.40: Waltz—Rio Marimba Orchestra, "Three o'Clock in the Morning"
(Robledo) (Columbia Record 02685).

8.46: Jazz plane and vocal numbers Messrs. Claude Hoare and Edward Silver in the latest popular numbers.

8.53: Instrumental-Orchestra, repeat number.

9.1 : Weather report.

9.3 : Tenor solo—Mr. G. Austin Blackie, "Bird Songs at Eventide" (Coates). 9.7 : Jazz piano and vocal numbers—Messrs. Claude Hoare and Edward Silver in the latest popular numbers.

9.15: Humorous sketch—Ajax and Bejax, "Cohen Broadcasts" (Hayman).

9.22: Instrumental—Orchestra, "Petite Rhapsodie" (Russe).

9.30: "His Master's Voice" Dance Programme:

Paythat with weadl suffacie. That Hadden's Challeston unturbers Charleston.

Foxfrot with vocal refrain—Jack Hylton's Orchestra, "Bluebird, Sing Me a Song" (Davis) (H.M.V. EA448).

Foxtrot—Shilkret's Orchestra, "My Man" (Pollack) (H.M.V. EA483).

Waitz with vocal refrain—Jack Hylton's Orchestra, "Spanish Rose" (Pearson) (H.M.V. BJ481).

9.40: Tenor solo - Browning Muminery, "Love Went a-Riding" (Bridge) (H.M.V. B2750)

Foxtrot with vocal refrain—Ted Weems' Orchestra, "Me and the Man in the Moon" (Leslie) (H.M.V. EA490).

Foxtrot—Ambrose and his Orchestra, "Sweet Sue, Just You" (Young) (H.M.V. EA492).

Foxtrot with vocal refrain-George Olsen's Music, "I Faw Down an' go Boom!" (Brockman) (H.M.V. BA490). 9.55: Baritone solo — Maurice Elwin, "There's Something about a Rose"

(Fain) (Zonophone 5190). Foxfrot with vocal refrain—Paul Whiteman's Orchestra, "The Calinda" (Hupfeld) (H.M.V. EA476).

Waltz with vocal refrain—Jack Hylton's Orchestra, "The Angelus Was Ringing" (Damarell) (H.M.V. B5481).

Foxtrot with vocal refrain—Nat Shilkret's Orchestra, "Gotta Be Good" (Schertzinger) (H.M.V. EA489).

10.6 : Comedian—Johnny Marvin, "Where the Shy Little Violets Grow" (Kahn) (H.M.V. EA477). Comedian — Johnny Marvin, "Sweethearts on Parade" (Newman) (H.M.V. EA477).

Foxtrot with vocal refriin—Hamps' Kentucky Serenaders, "I Fell Head Over Heels in Love" (Parsons) (H.M.V. EA492). Foxtrot — Zaz Confrey's Orchestra, "Jack in the Box" (Confrey)

(H.M.V. EA495).

10.20: Comedian—Johnny Marvin, "There's a Rainbow 'Round My Shoulder" (Olson) (H.M.V. EA465).

Waltz with vocal refrain-Hamps' Kentucky Serenaders, "Japunsy" (Bryan) (H.M.V. EA476)

Waltz with yocal refrain-The Troubadours, "Dolores" (Grossman) (H,M.V. ÉA447)

10.30: Male quartet—National Cavallers, "The Song I Love" (De Sylva) (H.M.V. EA474).

Male voices-Salon Group, "Jeannine, I Dream of Lilac-Time" (Gilbert) (H.M.V. EB35).

Hawaiian-Hilo Hawaiian Orchestra, "Along Miami Shore" (Snodgrass) (II.M.V. EA415),

Wurlitzer organ solo-Jesse Crawford, "Roses of Yesterday" (Berlin) (H.M.V. EA443).

10.43: Tenor solo-Franklyn Baur, "I Loved You Then as I Love You Now" (Macdonald) (Zonophone EE182).

Chorus and orchestra—Victor Arden, Phil Oman, chorus and orchestra, Selections from "Funny Face" (H.M.V. EB28).

Foxtrot — Waring's Pennsylvanians, "How Abbout Me?" (Berlin)

(H.M.V. EA478).

Foxtrot-Nat Shilkret's Orchestra, "I'd Rather Be Blue" (Fisher) (H.M.V. EA483),

Foxtrot medley-Novelty Orchestra, "Echoes of Ireland" (Zonophone

Waltz medley-"Irish Waltz Medley" (Zonophone 5006).

£1.0 : Close down.

3YA, CHRISTCHURCH (980 KILOUYCLES)—TUESDAY, AUGUST 6. SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLÉS) -TUESDAY, AUGUST 6.

3.0 : Town Hall chimes.

3.1 3' Relay of instrumental music from the Ritz.

4.25: Sports results to hund.

4.30 : Close down.

6.0 : Children's session conducted by Big Brother Bill.

7.0 : News session.

8.0 : Town Hall chimes, Studio concert by the St. Kilda Band under the conductorship of Mr. James Dixon, interspersed with items from the Bristol Piano Company's recital.

pany's recital.

March—Band, "Machine-Gum Guards" (Marechal).

Relay from Bristol Piano Company—Second recital, 1929: Pianoforte solo, Mr. R. E. Feidler, "Rondo Capriccioso" (Mendelssohn); contralto solo, Miss Gwenda Burt, "A Summer Night" (Thomas).

Waltz—Band, "Tesoro Mio" (My Treasure' (Becticci).

Relay from Bristol Piano Company's recital: Tenor solo, Mr. I. E. Dalley, "Lolita" (Thomas); duet for two pianos, Messrs. R. E. Heidler and J. Aldridge, "In a Persian Market" (Ketelbey).

Trombone fantasia—Band, "The Joker" (Moss).

Relay from Bristol Piano Company's recital: Contralto solo, Miss Gwenda Burt, "Danny Boy" (Old Irish).

Intermezzo—Band, "Chant Sans Parole" (Tschalkowsky).

Weather report.

Weather report.

Relay from Bristol Piano Company's recital: Tenor solo, Mr. L. E. Dulley, "Angels Guard Thee" (Godard).
Selection—Band, "Gems of Irish Melody" (Hume).

Selection—Band, "Gems of Irish Melody" (Hume).
Relay from Bristol Piano Company's recitul: Vocal duet, Miss Gwenda
Burt and Mr. L. E. Dalley, "Arise, O Sum" (Day).
Humoresque—Band, "Coster's Courtship" (McKenzle).
Relay from Bristol Piano Company's recital: Planoforte solo, Mr. R. E.
Feidler, "Anitra's Dance" ("Peer Gynt" Suite) (Grieg).
March—Band, "Royal Rover" (Greenwood).

10.0 : Close down.

Wednesday, August 7

1YA, AUCKLAND (900 KILOCYCLES).—WEDNESDAY, AUGUST 7.

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 Tom.

7.0 : News session.

S.0 : Chimes.

8.1 : Relay of recital by Auckland Pinno Students' Association, from Lewis Eady Hall.

9.30: Vocal duet—Miss Sarah Stacpoole and Mr. Frank Sutherland, "Arlse, O Sun" (Day).

9.84: March—Band of H.M. Grenadier Guards, "Martial Moments" (arrgd. Winter) (Columbia Record 9065).

9.42: Soprano solos—Miss Sarah Sincpoole, (a) "The Lass With the Delicate Air" (Arne); (b) "Little Brown Owl" (Brahe).

9.49: Baritone solos—Mr. Frank Sutherland, (a) "Charabanc Joe" (Charles); (b) "The Drum Major" (Newton).

9.56: Novelty—American Legion Band, "Iowa Corn Song" (arrgd. Beeston).

March—American Legion Band, "The Conqueror" (Teike) (Zonophone Record 2909). Record 2909).

- 10.2 : Vocal duet-Miss S. Stacpoole and Mr. F. Sutherland, "Creole Swing Song" (Denza).
- 10.6 : Close down.

2YA. WELLINGTON (720 KHLOCYCLES).—WEDNESDAY, AUGUST 7. SILENT DAY.

3YA, CHRISTCHURCH (980 KILOCYCLES) -- WEDNESDAY, AUGUST 7

- 3.0 : Afternoon session-selected studio 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 : Presentation of final instalment of the opera "Carmen" (Bizet) (Act 4) (Columbia Records 9539/41): (Introductory remarks by Mr. W.
- 4) (Columbia Records 9539/41): (Introductory remarks by Mr. W. H. Dixon, Professor of Singing):

 8.35: Vocal quartets—Melodious Four, Nursery Rhymes, (a) "If All the Seas were One Sea"; (b) "T'Other Little Tune" (Davies).

 Soprano solo—Miss Frances Hamerton, "Ah, Lo So" (Mozart),

 §41: Pianoforte solo—Miss Merle Miller, "Ballade" (Grieg).

 8.46: Tenor solo—Mr. Russell Sumner, "The Harper" (Schubert).

 8.49: Recitals—Mrs. Margaret Williams, (a) "The Glow Worm" (Herbert);

- (b) "The Oyster" (MS).
- 8.53: Orchestral-Royal Opera Orchestra, "Praeludium" (H.M.V. Record B2618).
- 8.56: Vocal duet-Melodious Duo, "A Lake and a Fairy Boat" (Lehmann),
- 8.59: Weather report.
- 9.4 : Instrumental-Bohemian Quintet, "Five Interludes" from "The Beggar's Opera" (Gay).
- 9.13: Vocal quartet, followed by baritone solos-Melodious Four and Mr. T. D. Williams, (a) "Dame Durden" (Harrington); (b) "A Wanderer's Song"; (c) "A Sailor's Prayer" (Keel).
- 9.19: Contralto solos—Miss Belle Renaut, "Woodland Thoughts" (Fray);
 (b) "Lullaby" (Scott).
- 9.23: Pianoforte solo—Miss Merle Miller, "Ballade" (Debussy).
- 9.27: Tenor solo-Mr. Russell Sumner, "Maori Flute" (D'Oreen).
- 9.30: Soprano solos-Miss Francis Hamerton, (a) "Swing Song" (Sanderson); (b) "Falling Blossom" (Sawyer).
- 9.33: Piccolo duet-Jean and Pierre Gennin, "Rippling Streams" (Gennin)
- (Columbia Record 02575). 9.36: Instrumental—Bohemian Quintet, (a) "Andante Cantabile" (Tschaikowsky); (b) "Gavotte" (Rameau).
- 9.46: Vocal duet—Melotte Duo, "Suit of Russet Brown" (Rowley). 9.49: Baritone solo, followed by vocal quartet—Mr. T. D. Williams and Melo-
- dious Four, "True Till Death" (Scott Gatty); "Spring Song" (Pin-
- 9.52: Orchestral—Royal Opera Orchestra, "Berceuse" (Jarnefeldt) (H.M.V. Record B2618).
- 9.55: Recital—Mrs. Margaret Williams. "A Young Girl's Impressions of Hamlet" (anon.).
- 10.0 : Contraito solo, followed by vocal quartets-Miss Belle Renaut and Melodious Four. (a) "Ships of Arcady" (Head); (b) Two Nursery Rhymes: (1) "Thomas and Annis" (Davies); (b) "Paternoster" (Davies).
- 10.6 : Close down,

4YA, DUNEDIN (650 KIILOCYCLES)—WEDNESDAY, AUGUST 7.

- 3.0 : Town Hall chimes.
- 3.1 : Selected gramophone items.
- 4.25: Sports results to hand.
- 4.30 r Close down...
- 6.0 : Children's session conducted by Aunt Anita.
- Town Hall chimes.
- 8.1 : Orchestral New Light Symphony Orchestra, "In a Clock Store" (Orth) (H.M.V. Record C1308).
- 8.5 : Soprano solos— Miss Thelma Blackman, (a) "I'm Sorry, Sally" (Fiorito)), (b) 'Hallelujah" (Allan).
 8.12: One-act play—The Winkel-Lampen Radio Players, "Op-O-Me-Thumb"
- (Fenn)

Madame Jeanne Marie Napoleon De Gallifet Didief. Mrs. Clem Galloway,

- Rose Jordan,
- Celeste.
- Amanda Afflick,
- Horace Greensmith.

Scene: Working-room at Madame Didier's Laundry at Soho. Time: Saturday evening before August Bank Holiday.

- 8.42: Baritone solos—Mr. W. Ruffell, (a) "Nightfall at Sea" (Phillips), (b) "Serenata" (Toselli).
- 8.49: Descriptive novelty—New Light Symphony Orchestra, "A Hunt in the Black Forest" (Volker) (H.M.V. Record C1308).
 8.53: Scottish comedian—Mr. Buster Brown, (a) "Foo the Noo" (Lauder).

 (b) "The Waggle o' the Kilt" (Lauder).

9.0 : Weather report.

9.2 : Soprano solos—Miss Thelma Blackman, (a) "My Blackbirds are Bluebirds Now" (Friend), (b) "Rag Doll" (Brown),
9.9 : One-act play—The Winkel-Lampen Radio Players, "Calais to Dover" (Jennings):

Cast: Captain Pengellan Major F. H. Lampen His Aunt Clare Miss Molly Baker Mrs. Bilberry Miss Tul Northey
Amy (her daughter) Miss Elsie McPeak Lady Olivia Armitage Mis Anita Winkel

Scene: Passageway on a Channel steamer.

9.21: Baritone solo-Mr. W. Ruffell, "The Windmill" (Nelson).

- 9.25: Italian foxtrot-La Nuovo Orchestra, "Di Napoli" (Romani) (Columbia Record 3066).
- 9.28: Scottish song—Mr. Buster Brown, "She is My Rosie" (Lauder). 9.33: "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) (Zono-

phone EE138). Waltz-Arcadians Dance Orchestra, "Ah! Sweet Mystery of Life"

(Herbert) (Zonophone 5249). 9.42: 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)

9.51: 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).

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

Foxtrot with vocal refrain—George Olsen and His Music, "Old Man Sunshine" (Dixon) (H.M.V. EA422).

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

Waltz—The Troubadours, "Diane" (Rapee) (H.M.V. EA269).
10.15: Wurlitzer organ solos—Leslie James, (a) "Just Imagine" (De Sylva).

(b) "Lily of Laguna" (Stuart) (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-Foxtrot, "A Room with a View" (Coward) (Zonophone 5167).

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GO BY RAIL—THE SAFE, SURE WAY.

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

10.42: Baritone solo-Maurice Elwin, "Don't Keep Me in the Dark, Brighteyes" (Wendling) (Zonophone 5243). Foxtrot—Nat Shilkret's Orchestra, 'Nagasaki' (Dixon) (H.M.V.

EA412)

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

10.51; Baritone solo-Maurice Elwin, "The First Kiss" (Dubin) (Zonophone

Foxtrot with vocan refrain-Statler Pennsylvanians, "It Goes Like This" (Clesar) (H.M.V. EA446).

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

11.0 : Close down.

Thursday, August 8

IYA, AUCKLAND (900 KILOCYCLES)—THURSDAY, AUGUST 8.

3.0 : Relay of concert by Messrs, Lewis Eady, Ltd.

3,30: Talk-Miss Edith Sutherland, "Home Handicrafts."

8.45: Further items by Messrs. Lewis Eady, Ltd.

4.30: Close down.

6.0 : Children's session, conducted by Peter Pan.

7.0 : News and information.

7.40: Talk-Mr. N. M. Richmond, B.A., "The Modern Age" (W.E.A. Series), No. 2,"-"As the Socialist Sees It."

8.1 : Presentation of novelty programme-"The Radio Scamps."

9.30: Programme of Dance Music.

2YA, WELLINGTON (720 KILOCYCLES), THURSDAY, AUGUST 8.

8.0 : Chimes of the General Post Office clock.

B.1 : Selected studio items.

4.30 and 4.50: Sporting results to hand.

4.55: Close down.

5.0 : Children's session,

6.0 : Dinner music session.

7.0 : News session, market reports and sports results.

7.30: Lecture-Mr. H. S. Cottrell, of Napier, "The Hook of Maui."

8.0 : Chimes of the General Post Office clock, Wellington.

8.1 : Special programme—Maori Pageant. (For full programme see page 9.)

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, AUGUST 8.

3 p.m.: Afternoon session-Selected studio items.

4.25: Sports results to hand.

4.30: Close down.

6.0 : Children's session, conducted by Uncle John.

7.0 : News session.

7.30: Talk to Primary Producers.

8.0 : Chimes.

Rebroadcast of 2YA, Wellington-"Radio Pageant of the Maori Race."

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, AUGUST 8.

8.1 : Relay from 3YA of Radio Pageant of the Maori Race to be performed in 2YA Studio.

Close down.

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Friday, August 9

1VA, AUCKLAND (900 KILOCYCLES)—FRIDAY, AUGUST 9.

3 p.m.: Afternoon session—Selected studio items.

Literary selection by the Announcer.

Studio items.

4.25; Sports results to hand.

4.30: Close down. 6.0 : Children's session conducted by Nod and Aunt Jean.

Talk-Mr. Frank Sutherland, "Rugby Football."

7.20: News and market reports.

8.1 : Relay of concert from Lewis Eady Hall.

8.30: Vocal duet-Misses A. McGruer and B. Smith, "On Wings of Song" (Mendelssohn).

8.34: Instrumental—Studio Trio, (a) "Bussee Bourree" (Bach); (b)
"Brandenburg—1st Movement" (Metzler).
8.43: Soprano solo—Miss A. McGruer, "The Fairy Pipers" (Brewer).

8.47: Recitals—Mr. Clarence Paine, "Not Understood" (Bracken). 8.51: Selection—New Queen's Hall Light Orchestra, "I Pagliacci" (Leoncavallo) (Columbia Record 02714).

8.59; Weather report.

9.1 °: Baritone solo-Mr. Fred Baker, "Blow, Blow, Thou Winter Wind" (Sargeant)

9.5 : Violin solo—Miss Ina Bosworth, "Hejre Kati" (Hubay), 9.10: Contralto solos—Miss B. Smith, (a) "My Heart has a Quiet Sadness" (Sargeant); (b) "Four Ducks on a Pond" (Needham).

9.17: Grand organ and cornet-R. Arnold Grier, "Softly Awakes My Heart"

9.17: Grand organ and cornet—R. Arnold Grier, "Softly Awakes My Heart" ("Samson and Delliah") (Saint-Saens) (Zonophone Record A309).
9.21: Recitals—Mr. C. Paine, (a) "The Song of the Market Place"; (b) "The Master of Baven's Woe."
9.29: Instrumental—Studio Trio, "Marche Militaire" (Schubert).
9.39: Baritone solos—Mr. F. Baker, (a) "A Chip of the Old Block" (Squire); (b) "Invictus" (Huhn).
9.46: Soprano solo—Miss A McGruer, "Damon" (Strange).
9.50: March—Philadelphia Symphony Orchestra, "March Slave" (Tschalkowsky) (H.M.V. Record D1046).
9.58: Vocal duet—Misses A. McGruer and B. Smith, "Just Awearyin' for You" (Bond).

You" (Bond).

10.1 : Close down.

2YA, WELLINGTON (720 KILOCYCLES).-FRIDAY, AUGUST 9

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

3.1 : Selected gramophone 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-Royal Opera Orchestra, "Hungarian Dance, No. 5, in F Sharp Minor" (Brahms) (H.M.V. Record C1415). Orchestral—Berlin State Opera House Orchestra, "Valse Des Fleurs"

(Tschaikowsky) (Parlophone Record E10519).

Violin solo-Yehudi Menuhin, "Allegro" (Fiocco) DA1003).

6.12: Tacet.

6.15: Selection-National Symphony Orchestra, "Bohemian Girl" (Balfe) (Zonophone A340).

Chorus-Zonophone Light Opera Company, Vocal Gems from "The Mikado" (Sullivan) (Zonophone Record A323).

6.27: Tacet.

6.30: Waltz-Dajos Bela Orchestra, "Faust Waltz" (Gounod) (Parlophone Record A4010).

Wurlitzer organ solos—Jesse Crawford, (a) "Schon Rosmarin" (Kreisler); (b) "A Brown Bird Singing" (Haydn-Wood) (H.M.V. Record B2664).

6.43: Tacet.

6.45: Selection—Piccadilly Orchestra, "The Waltz Dream" (Strauss), (H.M.V. Record B2694).

Nightingales and church bells-"A Summer Night Idyil" (H.M.V. Record B2683).

6.56; Tacet.

7.0 : News session, market reports, and sports results.

8.0 : Chimes of the G.P.O. clock.
8.1 : Overture—Orchestra, "Fra Diavolo" (Auber).

8.9 : Soprano solo-Miss Gretta Stark, "The Moon and I" ("The Mikado") (Sullivan).

8.13: Pianoforte solo—Miss E. Bradley, "Barcarolle" (Moszkowski) 8.20: Baritone solo—Mr. Ray Kemp, "My Yorkshire Lassie" ("O ("Our Miss

Gibbs") (Monckton). 8.24: Humour—Mr. Maurice Hawken, "Man" (Anon). 8.30: Musical comedy selection—Orchestra, "The Belle of New York" (Kerker)

8.38: Contralto solos and chorus—Mrs. Ray Kemp and Etude Quartet, "Arms and the Man" ("Our Miss Gibbs") (Monckton).
8.42: Tenor solo—Mr. Will Hancock, "Gipsy Song" ("Gipsy Love") (Lehar).
8.46: Vocal duet—Mr. and Mrs. Ray Kemp, "Not That Sort of Person"

(Monckton). 8.50: Instrumental selection—Orchastra, ""the Street Singer" (Fraser-Simp8.57: Soprano solo—Miss Gretta Stark, "Love's Cigarette" ("The Southern Maid") (Fraser-Simpson).

Weather report.

9.3 : Vocal quartet—Etude Quartet, "Brightly Dawns Our Wedding Day" ("The Mikado") (Sullivan).

: Musical comedy selection-Orchestra, "The Mikado" (Sullivan).

9.16: Humour—Mr. Maurice Hawken, "Woman" (Anon). 9.23: Vocal duet—Miss Gretta Stark and Mr. Will Hancock, "None Shall Part Us" ("Iolanthe") (Sullivan).

9.27: Contraito solo and chorus—Mrs. Ray Kemp and Etude Quartet, "Mon-struck" ("Our Miss Gibbs") (Monckton). 9.31: Instrumental—Orchestra, "Three Dances" from "The Rebel Maid")

(Montague Phillips).

9. 39: Presentation of the opera "Carmen" (Bizet) - Second Instalment - Act 2 (Columbia Record 9531-34).

10.17: Close down.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, AUGUST 9.

Afternoon session—selected studio items.

4.25: Sports results to hand.

4.30: Close down.

6.0 : Children's session, conducted by "Storyman."

7.0 : News session.

8.1 : Overture Rebroadcast of 2YA, Wellington (Orchestra, "Fra Diavola"

8.9 : Popular songs-Miss Alma Finnerty, (a) "Roses of Picardy" (Wood);

(b) "Rackety Coo" (Friml). Song and patter—Two White Crows, in a burlesque entertainment.

8.25: Dance music—Bailey-Marston Dance Orchestra, (a) "Old Man Sunshine" (Dixon); (b) "In Old Ita Juana" (Steele).

8.23: Happy songs—Miss Millicent Jennings, (a) "Underneath the Stars" (Spencer); (b) "God Bless You" (Dickson).

8.40: Wurlitzer organ solo-Chas. W. Saxby, "Classica" (Arrgd, Ewing) (Zonophone Record A334).

8.48: Jazz songs at piano with banjolele—Rose and Thistle Duo. (a) "The Little Green Valley" (Robison); (b) "High up on the Hilltop" (Whiting).

8.55: Dance music—Bailey-Marston Dance Orchestra, (a) "Pickin' Cotton" (De Sylva); (b) "Glad Rag Doll" (Yellen).

Weather report.

9.8 : March-American Legion Band, "Iowa Corn Song" (Arrgd. Beeston) (Zonophone Record 2902).

9.11: Popular songs-Miss Alma Finnerty, (a) "Isn't Nature Grand?" (Bibo); (b) "Say It With Music" (Berlin).

9.18: Dance music—Bailey-Marston Dance Orchestra, (a) "Dream Boat" (Bagby); (b) "You're The Only One For Me" (Axt).
9.26: Song and patter—Two White Crows—in another burlesque entertain-

9.36: Dance music—Bailey-Marston Dance Orchestra, (a) "To Make a Long Story Short" (Wendling); (b) "Sunrise to Sunset" (McLaughlin).

9.44: Spanish serenade and popular song—Miss Millicent Jennings, (a) "My Beloved" (Mi Amado) (Young): (b) "That's All" (Brahe).

9.49: Dance music—Baley-Marston Dance Orchestra, (a) "Deep Night" (Valee); (b) "Ten Little Miles From Town" (Kahn).

9.57: Songs at piano with banjolele—Rose and Thistle Duo, (a) "Stay Out of the County" (Mounda).

the South" (Dixon); (b) "Me and the Man in the Moon" (Monaco).

10.5: Dance music—Bailey-Marston Dance Orchestra, (a) "Dream Mother"

(Lewis); (b) "Trint Nobody's Fault But My Own" (Lawnhurst).

10.13: Dance music by the Bailey-Marston Dance Orchestra.

11.0 : Close down.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, AUGUST 9.

Town Hall chimes.

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. ≥0 : Town Hall chimes.

8.1 : Overture—Symphony Orchestra, "Oberon" (Weber) (H.M.V. Record D1311).

8.9 : Tenor solos-Mr. Geo. Crawford, (a) "Serenade" (Schubert); (b) "If With All Your Heart" (Mendelssohn).

8.15: Instrumental—4XA Broadcasting Trio, "Poupee Valsante" (Poldini).
8.21: Soprano solos—Miss Olga Wynne, (a) "Ashoo at Her Lattice" (Woodforde-Finden); (b) "Kingfisher Blue" ("On Jhelum River") (Woodforde-Finden)

8.28: Recitals—Miss Tui Busy" (Anon). Northey, (a) "I Dont Care" (Anon); (b) "Miss

8.38: Organ solos—G. T. Pattman, (a) "Temple Bells"; (b) "Less Than the Dust" (Woodforde-Finden) (Columbia Record 02696).
8.42: Violin solo—Mr. Frank Parson, "Nocturne in E Flat" (Chopin).
8.47: Bass solos—Mr. Fred Kershaw, (a) "The Pipes of Pan" (Elgar); (b) "I Come to Thee" (Roma).
8.54: Chopus Le Seele Chopus Miley "April Chopus" (H. Engysters)

"Anvil Chorus" (Il Trovatore) 8.54: Chorus-La Scala Chorus, Milan, (Verdi) (Columbia Record 01032).

8.58: Weather report.

9.0 : Relay of orchestral entr-acte from the Ritz.

9.10: Tenor solo-Mr. Geo. Crawford, "Oh, Man From the Fields" (Hughes).

9.14: Chorus-La Scala Chorus, Milan, "Soldiers' Chorus" ("Faust") (Gounod) (Columbia 01032).

9.17: Instrumental—47A Broadcasting Trio, "Moment Musical" (Schubert), 9.22: Soprano solo—Miss Olga Wynne, "Villanelle" (Del 'Acqua').
9.26: Organ solos—G. T. Pattman, (a) "Kashmiri Song"; (b) "Till I Wake"

(Woodforde-Finden) (Columbia Record 02696).
9.30: Recital—Miss Tui Northey, "Pierrot" (Gardner).
9.40: Pianoforte solo—Mrs. Ernest Drake, "Two Arabesques" (Debussy).
9.45: Bass solo—Mr. Fred Kershaw, "The Trumpeter" (Dix).
9.49: 'Cello solo—Mr. P. J. Palmer, "Chanson' (Glinka).

9.53: Orchestral-New Light Symphony Orchestra, "The Merry Wives of Windsor" (Nicolai) (H.M.V. Record C1260).

10.0 : Close down.

Saturday, August 10

1YA, AUCKLAND (900 KILOCYCLES) -SATURDAY, AUGUST 10.

1.30: Relay description of Hockey Match-Australia v. New Zealand, from Eden Park.

2.50: Relay description of Rugby football match from Eden Park.

4.30 (approx.): Close down.

6.0 : Children's session, conducted by Cinderella.

7.0 : News session and sports results.

7.30: Market reports.

8.0 : Chimes. Overture-Orchestra, "La Blanche Dame" (Boieldieu).

8.11: Vocal quartets—Lyric Quartet, (a) "Mulligan Musketeers" (Benson); (b) "Love Night" (Chatogul).

8.17: Organ, piano, trombone and harp-Shilkret's Rhythm Melodists, "When You're With Somebody Else" (Gilbert) (H.M.V. Record EA336).

8.20: Tenor solo—Mr. Arthur Ripley, "An Evening Song" (Blumenthal).
8.24: Hawaiian—Ingall's Orchestra, (a) "Aloha Land" (Herzer); (b) "The Rosary" (Nevin).

9.32: Humour-Mr. Alan McElwain, "Some Humour."

8.37: Xylophone solo-Victor Sterling, "Colonel Bogey" March (Alford) (Regal Record G20103).

8.40: Vocal novelty—Bohemian Duo, (a) "Na Lei'O Hawaii" (MS); (b) "Hulu Lu" (Hawaiian).

8.48: Selection--Orchestra, "The Quaker Girl" (Monckton).

8.58: Weather report.

9.0 : Vocal quartet—Lyric Quartet, "A Musical Muddle" (Catkin). 9.4 : Hawaiian—Ingali's Orchestra, (a) "Coral Sards of My Hawaii" (Heag-

ney); (b) "Wreath for Princess" (Hopkins).
9.12: Bass solo—Mr. E. Thomas, "Beauty's Eyes" (Tosti).
9.16: Concerted—Light Opera Company, Gems from
(H.M.V. Record C1293).

(Kern) 9.20: Orchestral-Orchestra, "Ballad Memories" (Arrgd. Paynes).

9.30: Novelty—Bohemian Duo, (a) "Because I Love You" (Berlin); (b)
"Kentucky Way" (Gillespie).
9.37: Humour—Mr. A. McElwain, "More Humour."

9.41: Hawaiian—Ingall's Orchestra, (a) "Carolina Moon" (Davies); (b) "Bright Moon" (Roberts).

9.48: Vocal quartets-Lyric Quartet, (a) "Two Flies" (Parks); (b) "Catastrophe" (Parks).

9.54: Instrumental—Orchestra, "In Arcady" (Nevin). "His Master's Voice" Dance Programme:

Medley waltz-The Troubadours, "Popular Songs of Yesterday" (H.M.V. Record EB33). Foxtrot with vocal refrain-Nat Shilkret's Orchestra, "Dusky Steve-

dore" (Razaf) (H.M.V. Record EA452) Foxtrot with vocal refrain-Shilkret's Orchestra, "Just a Sweetheart"

(Shilkret) (H.M.V. Record EA464) Foxtrot-Shilkret's Orchestra, "When Sweet Susie Goes Steppin' By"

(Kaufman) (H.M.V. Record EA452). 10.13: Tenor solo-Lewis James, "Roses of Yesterday" (Berlin) (Zonophone

Record EE122). Hawaiian—Hilo Hawaiian Orchestra, "Honolulu Sweetheart" (Davis) (H.M.V. Record EA415).

Waltz with vocal refrain-The Troubadours, "Was It Love?" (Cresar)

(H.M.V. Record EA464).
Foxtrot with vocal refrain—Goldkettes' Orchestra, "Th. S What Put the 'Sweet' in Home Sweet Home" (Lowry) (H.M.V. Record EA487).

10.25: Tenor solo-Barrington Hooper, "For You Alone" (Geehl) (Zonophone

Foxtrot with vocal refrain-Goldkettes' Orchestra, "Sweethearts on Parade" (Lombardo) (H.M.V. Record EA487).
Waltz with vocal refrain—The Troubadours, "Another Kiss" (Schert-

zinger) (H.M.V. Record EA489).

Foxtrol with vocal refrain-Jack Hylton's Orchestra, "In the Woodshed She Said She Would" (Johnson) (H.M.V. Record EA480).

10.38: Male trio-Melody Three, "Remember Me To Mary" (Green) (Zonophone Record EE133). Foxtrot with vocal refrain-Shilkret's Orchestra, "Jimmy Valentine"

(Madden) (H.M.V. Record EA475). Selection-New Mayfair Orchestra, "This Year of Grace" (Coward)

(H.M.V. Record EB37) 10.48: Bass with chorus-Paul Robeson, "Plantation Songs" (H.M.V. Record Foxtrot-Rhythm Band, "Teach Me To Dance Like Grandma" (Coward) (H.M.V. Record EA471).

Foxtrot with vocal refrain—Shilkret's Orchestra, "Gotta Be Good" (Schertzinger) (H.M.V. Record EA489).

Foxtrot—Rhythm Band, "A Room With a View" (Coward) (H.M.V.

Record EA471).

Foxtrot with vocal refrain-Jack Hylton's Orchestra," "In the Shadows" (Finck) (H.M.V. Record EA480).

11.0 : Close down.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, AUGUST 10.

2.45: Relay description of football match from Athletic Park.

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

6.0 : Dinner session:

Orchestral—Piccadilly Orchestra, (a) "If Only I Had You" (Davies), (b) "Lolita" (Ferrete) (H.M.V. Record B2713).

Orchestral-Dajos Bela Orchestra, "Electric Girl" (Helmburgh-Holmes) (Parlophone Record A4009).

6.11 : Tacet.

6.15: Waltz-International Concert Orchéstra, "Luxembourg Waltz' (Lehar) (Zonophone Record EF9).

Foxtrots—(a) International Orchestra, "Shine On, Harvest Moon" (Norworth), (b) Hamp's Kentucky Serenaders, "Blue Grass" (de Sylva) (H.M.V. Record EA407).

6.26 : Tacet.

-Rhythmic Eight, "Momsy" (Yellen) (Zonophone Record 6.30: Waltz-EE104).

Foxtrot-Rhythmic Eight, "So Tired" (Little) (Zonophone Record

EE104). Hawaiian—Queenie and David Kaili, (a) "Hawaiian Love Song," (b) "O Mi Paloma" (Parlophone Record A2507).

6.43: Tacet.

6.45: Piano and orchestra—Raie de Costa, (a) "Sweetheart, I'm Dreaming of You" (Carter), (b) "When Day is Done" (De Sylva) (Parlophone Record A4041).

Male quartet-Goodrich Silvertown Quartet, "Old Pals are the Best Pals After All" (Bates) (Columbia Record 01296)

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, "Sparks" (Alford). 8.9 : Vocal quartet—Melodie Four, "Mulligan Musketeers" (Atkinson).

8.13: Bagpipe solos—Mr. Dick Richards, (a) "Scottish Marches" (traditional), (b) "Scottish Waltzes" (traditional).
8.23: Tenor solo—Mr. Sam Duncan, "Somewhere a Voice is Calling" (Tate). 8.27: Xylophone solo with orchestral accompaniment-Mr. L. W. Probert, "Standard Favourites" (Hacker).
March—Orchestra, "The Gladiator" (Sousa).

8.35: Humour-Mr. Frank Moran, Military Sketch, "Fed Up" (Weston and Lee).

8.42: Vocal quartet—Melodie Four, "Honolulu Moon" (Lawrence). 8.46: Banjo solo—Mrs. H. G. Reeves, "Footlight Favourites" (Grimshaw). 8.52: Baritone solo—Mr. R. S. Allwright, "The Village Blacksmith" (Werner) 8.56: Instrumental—Orchestra, repeat number.

9.4 : Weather report.9.6 : Bass solo—Mr. W. W. Marshall, "Drinking" traditional).

9.10: Comic song and whistling—Mrs. Birch-Johnston, (a) "The Bird on Nelly's Hat" (Solman); (b) "O Sole Mio" (Di Capua).

9.18: Instrumental novelty—Orchestra, "In Toyland" (Finck).

9.26: Tenor solo with violin obbligato-Mr. Frank Bryant, "One Fleeting Hour" (Bond).

9.30: Humour-Mr, Frank Moran, "Hurrah for the Rolling Sea" (Merson).

9.37: Banjo solo—Mrs. H. G. Reeves, "Popular Choruses" (arr. Reeves).
9.44: Vocal duet — Messrs. F. Bryant and R. S. Allwright, "Excelsior" (Balfe).

9.48: Vocal quartet—Melodie Four, "Ice Cream" (King). 9.52: Instrumental—Orchestra, Dance Novelties.

10.0 : "His Master's Voice" Dance Programme:

Orchestral-Piccadilly Orchestra, "My Beloved Gondoller" (Tibor) (H.M.V. B2575)

Orchestral - Piccadilly Orchestra, "If Only I Had You" (Davies) (H.M.V. B2713).

Vocal duet—Maurice and Sydney, "I'm Going Back to Old Nebraska" (Sissle) (Zonophone EE117).

10.10: Chorus with orchestra - Ever-Ready Hour Group, "Down South" (Myddleton) (Zonophone EF8).

Tenor solo-Franklyn Baur, "I'm Away from the World" (Clare) (Zonophone EE107).

Wurlitzer organ solo—Chas. W. Saxby, "Can't You Hear Me Say.I Love You?" (Derickson) (Zonophone 5094). 10.20: Mixed voices—The Revellers, Gems from "Tip Toes" (Gershwin)

(H.M.V. C1293). Foxtrot-Arcadians' Dance Orchestra, "Chilly-Pom-Pom-Pee" (Bryan)

(Zonophone 5169). Foxtrot with vocal refrain-Edwin J. McEnelly's Orchestra, "What

Are We Waiting for Now?" (Kortlander) (H.M.V. EA322) 10.29: Concerted - Light Opera Company, Gems from "Sunny"

(H.M.V. C1293). Vocal duet - Johnny Marvin and Ed. Smalle, "Mary Ann" (Davis-Silver) (H.M.V. EA339).

Foxtrot - Statler Pennsylvanians, "It Goes Like This" (Cæsar) (H.M.V. EA446).

10.39: Bass solo-Paul Robeson, "Down de Lovers' Lane" (Cook) (H.M.V. B2777).

Violin solo - Friez Kreisler, "Indian Love Call" (Friml) (H.M.V. DA785).

Wurlitzer organ solo-Jesse Crawford, "My Blue Heaven" (Donaldson) (H.M.V. EA284).

Hawaiian — Hilo Hawaiian Orchestra, "Aloma" (Bowers) (H.M.V. EA310).

10.52: Chorus—Victor Arden, Phil Ohman, chorus and orchestra, Selections from "Good News" (De Sylva) (H.M.V. EB28).

Foxtrot with vocal refrain—Victor Salon Orchestra, "Where's My Meyer?" (Wolfe) (H.M.V. EA267).

Orchestral—Victor Salon Orchestra, "The World is Waiting for the

Sunrise" (Lockhart) (H.M.V. EA186).

11.0 : Close down.

3YA. CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, AUGUST 10.

2.45: Relay description of Rugby football match from Lancaster Park.

4.45 (approx.): Close down.

6.0 : Children's session, conducted by Aunt Pat and Brother Bill

7.0 : News session.

7.30: Sports results to hand.

8.0 : Chimes.

8.1 : Relay from Winter Show, King Edward Barracks, of opening ceremony and speeches.

8.21: Orchestral-Jack Hylton's Orchestra, "Melodious Memories" (Finck) (H.M.V. Record C1575).

8.29: Vocal quartet - Beckenham Male Quartet, "Evening's Lullaby" (Shaw). 8.33: Wurlitzer organ solo—Leslie Harvey, "There's a Rainbow 'Round My Shoulder" (Jolson) (Parlophone Record A2696).
8.36: Bass solo—Mr. F. S. Jackson, "When the Sergeant Major's on Parade"

(Longstaffe).

8.39: Chorus—Columbia Light Opera Company, "Oh, Kay" vocal gems .(Gershwin) (Columbia Record 02558).
8.43: Instrumental—Christchurch Broadcasting Trio, (a) "Once Upon a Time" (Lind); (b) "Prize Song" (Wagner); (c) "Hungarian Dance No. 3" (Brahms),

8.53: Popular song at piano-Miss Anne Stephenson, "A Room With a View" (Noel) (with improvisations).

8.57: Vocal quartet-Beckenham Male Quartet, "Love's Old Sweet Song" (Bingham).

9.1 : Weather report.

9.3: Instrumental—Christchurch Broadcasting Trio: (a) "Fairy Boat" (Hope); (b) "Ave Maria" (Schubert); (c) "Spring Morning"

9.13: Humour—Mr. Geo. Titchener, "The Insurance Man" (MS). 9.20: Baritone solo—Mr. W. H. Odell, "Inter Nos" (MacFadyn). 9.24: Waltz—New Concert Orchestra, "Hydropaten" (Gungl)

(Columbia Record 02672).

9.28: Vocal duet-Messrs. E. R. Pitman and K. G. Archer, "The Skippers of St. Ives" (Roeckel).,

Humorous vocal quartets-Beckenham Male Quartet: (a) "Susannah Snooks" (Hall); (b). "Peter the Cat" (Eastman).

9.39: Waltz—New Concert Orchestra, "Jolly Fellows" (Binder) (Columbia

Record 02672). 9.43: Popular songs at piano-Miss Anne Stephenson: (a) "Lucky in Love" (De Sylva) (with improvisations); (b) "His Little Teddy Bear"

(Levey).

9.50: Humour—Mr. Geo. Titchener, (a) "A Song Without a Name" (Hastings); (b) "Shell Shocks" (MS).

9.56: Vocal quartet—Beckenham Male Quartet, "Sonny Boy" (Theme song of "The Singing Fool") (Jolson, arrgd., Albert Bidgood).

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 4315).

Hand, Madame" (Lewis) (Brunswick 2010).
Waltz with vocal chorus—Regent Club Orchestra, "Where is the Song of Songs for Me?" (Berlin) (Brunswick Record 4257).

The with vocal chorus—Hotel Roosevelt Orchestra, "I've Got a

Foxtrot with vocal chorus—Hotel Roosevelt Orchestra, "I've Got a Feeling I'm Falling" (Rose) (Brunswick Record 4815).

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

(Leslie) (Brunswick 4253). 10.29: Vocal solo—Bob Nolan, "Rose of Mandalay" (Magine-Koehler) (Brunswick Record 4248).

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

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

Foxtrot with vocal chorus—Colonial Club Orchestra, (a) "Naughty

Eyes" (Dork-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 fer You" (Green, Fain) (Brunswick Record 4255).

11.0 ; Close down.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, AUGUST 10.

2.45: Relay description of Rugby football match from Carlsbrook Grounds.

4.45: Close down.

6.0 : Children's session, conducted by Uncle George.

7.0 : News session.

: Rebroadcast of 3YA, Christchurch (relay of opening of Winter Showfollowed by Vaudeville programme).

10.0 : "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

Youre Mine" (Derickson) (H.M.V. Record EA515).

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

10.9 : Banjo solo-Mario de Pietro, "Frivolous Joe" (de Pietro) 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, "Thats How I Feel About You" (Davis) (H.M.V. Record EA526).
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 Orchestra, "The Egg Song" (Salusbury) (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-Waring's Pennsylvanians, "My Castle in Spain" (Caesar) (H.M.V. Record EA523).

10.42: Mandoline solo—Mario de Pietro, "Concert Mazurka" (Calace) (H.M.V. Record B2820).

Foxtrot with vocal refrain—Nat Shilkrets 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 Some-body 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.

Sunday, August 11

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, AUGUST 11.

3.0 : Afternoon session-selected Stude items.

4.0 : Literary selection by the Announcer.

Further Studio items.

4.30: Close down.

6.0 : Children's session, conducted by Uncle Leo.

6.55: Relay of service from St. Andrew's Presbyterian Church. Preacher: Rev. Ivo Bertram. Organist: Dr. Neil McDougall.

(approx.): Orchestral. Contralto-Mrs. L. Edwards, "Friend of Mine" (Boosey-Sanderson). Piano-Ignaz Friedman, "La Campanella" (Arrgd. Lizet-Busoni) (Columbia Record L1804).

Tenor—Mr. T. Moffitt, (a) "I Heard You Go By" (Boosey-Brahe); (b)
"Who is Sylvia?" (Boosey-Schubert).
Soprano solo—Mrs. A. E. Schade, "Little Brown Cottage' (Enoch-

Dickson).

Band-Band of H.M. Grenadier Guards, W. H. Squire's popular songs (Squire) (Columbia Record 989).

Contralto-Mrs. L. Edwards, "As You Pass By" (Boosey-Russell). Violin-Leo Cherniavsky, "From the Conebrake" (Gardner) (Columbia Record 0894).

Tenor—Mr. T. Moffitt (a) "Sally in Our Ally" (Boosey-Carey).
Soprano—Mrs. A. E. Schade (a) "The Dove" (Enoch-Ronald); '(b)
"Aye Maria" (A. H. Schubert).

Band-National Military Band, "La Traviata" Selection (Verdi) (Columbia Record 9014). God Save the King.

2YA. WELLINGTON (720 KILOCYCLES)—SUNDAY, AUGUST 11.

3.0 : Afternoon session—Selected gramophone items.

6.0 : Children's song service, conducted by Uncle George, 7.0 : Relay of service from St. John's Presbyterian Church:

Preacher: Rev. J. R. Blanchard, B.A. Organist and Choirmaster: Mr. C. W. Kerry.

8.15 (approx.): Relay from His Majesty's Theatre of recital by the Wellington Municipal Tramways Band.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, AUGUST 11.

3.0 : Afternoon session-Selected studio items.

4.30: Close down.

5.30: Children's song service (Children of the Baptist Sunday Schools).

6.15: Hymn chimes from studio.

6.30: Relay of service from the Oxford Terrace Baptist Church:

Preacher: Rev. J. Robertson, M.A. Organist: Mr. Melville Lawry. Musical Director: Mr. O. Murray Jones.

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8.0 : Studio concert of selected gramophone records.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 11.

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.

6.15: Close down.

6.30: Relay of service from St. Paul's Cathedral:

Preacher: Canon Nevill.

Organist: Mr. E. Heywood, R.R.C.O.

8.5 : Relay from His Majesty's Theatre of concert by the St. Kilda Band under the conductorship of Mr. James Dixon.

9.15: Close down.

The Maori Pageant Programme

(Continued from page 9.)

Chorus: "Ope Tautahi."

Memorial Hymn-Mangu Tahana and party, "Piko nei te matenga" ("When Our Heads are Bowed with Woe").

Scene 5-THE MAORIS IN SONG AND PLAY, TO-DAY.

Scene: The meeting house in the marae invaded by a large number of visiting young people who arrive by steamer to the accompaniment of incidental effects. They prepare to entertain Parakaia.

Opening selection-The party: "Come Down the Wanganui River." Solo—Raina Kahukura and party: "Hoki Hoki tonu mai." Chorus—The party: "He Puti Puti Pai." Solo—Te Ua Tamehana, "Home, Little Maori, Home."

Choruses-The party (a) "Poata Rau"; (b) "Haere, haere ra e hine."

Solo—Raina Kahukura, "Raniera te Tama." Chorus—The party: "E Pari Ra."

Solo and chorus—Hariora Hakopa and party: "Hoea ra te Waka Solo—Mrs. H. Toka: "Waiata Poi."

Vocal duet and monologue—Raina Kahukura and Mere Whanarere: "I'm Waiting for Ships that Never Come Home." Oration: "The Warriors' Welcome," from "Scenes from the Past"

(Sir Apirana Ngata).
Chorus—The party: "Tahine Taru Kino."
Short double poi—The Party.

Male voice number—The party: "Karoo." Solo—Ka Winiata, "Pokarekare." Chorus—The party: "Puerehua." Solo—Ka Winiata: "Hine e Hine."

Choruses—Raina Kahukura and party, (a) "Te Taniwha"; (b)
"Mahi kai ano"; (c) "Kore au e pai"; (d) "Tangi mai e te tau."

*Scene 6-THE LESSON OF THE PAGEANT.

The beautiful grounds of a chief's residence amid the surroundings of civilisation, whither Parakaia is transported on the wings of thought. The twentieth century Maori, garbed in accordance with the demands of the times is represented in various aspects of life.

Address-Hamiora Hakopa.

Solo—Ka Winiata, "Dream Boat." Parakaia speaks.

Oration: Final scene from "Scenes of the Past" (Sir Apirana Ngata). Haka—The party: "Kamate, Kamate."
Solo and Chorus—Mangu Tahana and party: "Home, Sweet Home."

National Anthem.

ATTI DE LA CONTRACTOR D

PROFESSOR A. M. LOW, the fam- THE whims of Argentine Presidents ous English scientist, prophesies that a thousand vears hence mankind will expect breath and sleep to be raybroadcast. He also forsees the broadcasting of smell and physical contact. His statement has aroused a great deal of controversy in England, ad most critics regard the prophesy with the utmost sceptism.

have become almost proverbial. The latest Presidential decree contains provisions for the cancelling of all licenses for experimental transmission received or extended last year for this. The existing broadcasting sta-tions have to move outside the radius of Buenos Aires city and its immediate environs within nine months.



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A.C.Valves

Use of Heater Type

Those reading descriptions of A.C. valves will have noticed that there are two types, directly heated filaments (226) and indirectly heated (227). Manufacturers of alternating-current sets are now employing the heater-type valves more extensively because, primarily, of the greater ease in building sets with these valves. Now that proper means for regulating supply-voltage variations are being provided, and experimenters are becoming more familiar with the methods of handling unusual line voltages, this valve is considered as a very yery good all-purpose one. The construction of sets with these involves less work and fewer parts than the use of the directfilament A.C. valve, because of the simpler methods of balacing to reduce the "hum."

In sets employing the direct-filament valves a number of tapped resistances with adjustable taps are required to obtain the centre points of the filament circuits, and extreme care must be exercised in wiring the sets. When the heater type is employed, no balancing resisters are required and the sets are much easier to contruct for this reason.

The inter-electroed capacity of the 227 type, too, is much lower than the capacity of the 226 type, and this makes it a better radio-frequency am-The lower capacity also tends plifier. to made the valve more stable and, because of the construction. slight changes in the filament voltage do not cause a noticeable change in the out-

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Brilliancy of the Valves.

RADIO enthusiasts who have experimented fact that these valves do not always unchanged. ance. is quite simple and it will be seen of the valves in any way.

cylinder of insulating material. filament is exposed to the top of the the voltage on the filament can be invalue without burning it out. that specified by the manufacturer, the glow will naturally be increased.

Low Filament Voltages.

THE reasons for the use of verv low voltages for the filaments of alternating-current valves may be unknown to many experimenters, but they will quickly be appreciated. is that a low potential difference between the ends of the filament results in a weaker electrostatic field and a corresponding reduction in the tendency to produce an A.C. hum.

The second important reason is that the use of a low voltage permits the use of a heavier filament and heavier current, which reduces the effect on the plate current of temperature changes (due to the current variations created by the alternations) and. consequently, the tendency to hum.

The different types of valves have different filament characteristics because of the difference in their construction and operation. The heatertype valve requires a longer filament than the direct-filament type, because of its insulating sleeve. On the other hand, the method of reducing the hum in the direct-filament valve requires a very low-voltage high-current charac-

with the heater-type valves are frequently puzzled by the glow with the same brilliancy, even when the operating voltage remains The contrast with the battery-type valve is quite marked; the latter showing quite uniform brilli-The reason for the difference from this explanation that such differences in the brilliancy of the A.C. valves do not affect the performance

The filament which carries the heating current is made of pure tangssten, which is threaded through a cylinder of insulating material. The insulation and any slight change in the contact and space left at the top will result in a change in the apparent glow of the tube. It is interesting to note that the filament is not operated close to the melting point; so that creased a great deal over the rated use of too high a voltage for great lengths of time, however, will reduce the life of the filament, and for this reason it is advisable to measure the filament voltage from time to time with an A.C. voltmeter. If the filament is operated a voltage higher than

Successful Receiver

Parallel Feed B.D.

SEEING "Parallel's" letter on the 2 R.F. Browning-Drake prompts me to expound a little in a general

I have had one of these since "Megohm" first published the description, and I must say that it is an excellent receiver for an amateur to construct. The main New Zealand stations simply bellow at one, and the Australians require little or no reaction for the same results. I am one of those enthusiasts who do not mind much what the outfit looks like, so long as it works well. "Parallel's" receiver is a credit to him. I wish he could see mine!

However, I commenced operations with 3in. coils and all the rest of it; everything as per specifications. The absorption control of reaction proved a failure, so I installed a moving coil tickler, which I still use; but with a 4 to 1 reduction gear. The next stage was the split primary method, which was quite good, but did not seem to be much of an improvement on the usual method.

Some little time ago I took the set to pieces and built 24in. coils, space very thin celluloid formers, using the parellel feed method with 1 mfd, coupling condensers. These latter seem to men.

teristic; so in order to keep both valves be all right and as good as the .5 mfd. operating at their highest efficiency, usually specified. As you sa, this different filament voltages are emmethod makes the set very much more different filament voltages are emstable on the lower wavelengths.

As an average constructor, I can strongly recommend at those write you with neutralising troubles to try this method for the Browning-Drake.

Coming to the audio side I use large size transformers and both two stage, the last being push-pull, with 2-171A's feeding through the 25 to 1 output to a M.C. speaker of my own construction. The results from this combination are a treat to listen to. I may mention here that "The Radio Record" is responsible for my eliminator as well. As for long distance reception I leave that for the radio "globe trofters." There are dozens of carriers to be had for the asking, and these can easily be identified by means of a Nevertheless, domestic peace and happiness must take first place. Still, I suppose this could be worked up into quite a good "log" by a DX fiend.—"ELIMINATOR" (Dunedin).

SIR BENJAMIN FULLER, one of the directors of the new Australian Broadcasting Company, has announced a scheme for the collection of funds to provide radio receiving equipment throughout all hospitals in Victoria. A special committee has been formed to supervise the collections at the 3LO, Melbourne, weekly community singing. It is expected that the general public of Victoria will rally to the aid of the scheme. The directors of the Broadwound with 26 S.W.G. enamelled, on casting Company have subscribed 30 guineas and many other handsome contributions are promised by leading

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Exhibits at the Exhibition



ROM the technical point of view the exhibits at the Radio Exhibition had a singufact that no less than 18 of these were demonstrating

or displaying all-electric models indicates clearly the design of the set of the The majority of these are combined with electric gramophones. Diversity is obtained through the design of the cabinets rather than through circuit and valve combina-The newer models are using ed. tions. the five-pronged heater type valve in STAND No. 3. all stages except the last. In the more expensive receiver super power valves are arranged in push-pull, and it is clear that the set without such a valve in the last stage has disap-

The trend towards all-electric receivers was further strengthened by the fact that a large number of "A,"
"B," and "C" battery eliminator combines were in evidence. Simplicity, too, is a keynote in the modern receiver. Single dial operation has almost entirely replaced the multiple dials, though these are still used where sensitivity is preferred to simplicity.

The details of the exhibits are as follow:-

STAND No. 1.

Whitcombe and Tombs Ltd. and Cory-Wright and Salmon.

MOST prominent among the exhibits ranged the record albums. on this stand showed was the Loewe receiving set with a frame antenna and complete with a moving-coil speaker.

The new Loewe set using reaction resembles very closely the ordinary Loewe, but it has an extra control.

Another product of interest was the Erla all-electric receiver, a beautifully finished console model with drum dial callibrated in kilocycles and in de grees. A built-in dynamic speaker completes the set.

An exhibit of special interest was a gramophone which had been con verted into a combined gramophone and electric radio, with a dynamic speaker replacing the soundbox.

Cory, Wright and Salmon's exhibicomprised batteries of all descriptions A super-size giving a voltage of 108 built up of 70 Leclanche cells enclosed in a neat case was something unusual By the addition of a little sal ammonia: these can be kept in working operation for some considerable time. Judging from their exhibition of batteries, the tendency is to move away from small. batteries to those built up of larger cels which will stand the greater drain.

STAND No. 2.

Speddings, Limited.

THE centre of attraction on this stand was a Majestic set, flanking which were arranged the familiar Spedding products. The latest types of Mullard valves featured largely. Resting on each was a stripped valve show ing the electrodes.

The Empire Four- a set employing the shielded-grid valve appeared to be

Tendency towards All-Electric

lar significance. In all there built for service. It is controlled by large "King" at the back, was the main were 14 exhibits, and the two very finely geared dials, enabling feature, with all-electric King's and accurate tuning. By a wave change switch both high and low frequencies can be tuned in.

Several gramophone units were in evidence, and one of these was used in conjunction with a Webster pick-up. and amplifier to supply a Magnavox dynamic cone speaker. Many of the latest Rola Cone speakers were display-

E. Sime and Co.

ARGE and interested crowds drew round this stand to see the new Spartan electric radio receivers and gramophones. This is a large, hand-some piece of furniture which stood in the centre of the artistically draped The Sparkes Ensemble comstand. prises two parts. To the right was the electric gramophone, and on the top portion of this was an electrically driven turntable. Immediately over this is a suspensor which will hold a dozen records. When each record is finished the reproducer is automatically switched clear, lifted from the disc and slid into a magazine. spindle now moves up and brings down the next record. The nick-up then moves on to this and commences playing. In this manner the dozen records are played, and the set automatically cut off. In the lower portion are ar-

STAND No. 4.

F. J. W. Fear and Co.

RAPED with blue and gold, stand No. 4 was an attractive sight.

Utah speaker in support. This new line of Utah speakers are of quite unusual and attractive design. An Airzone Portable set was demonstrated at all times when 2YA was on the air. In addition to the two new type King sets, a battery model in an oak cabinet was on show.

STAND NO. 5.

Harringtons, Limited.

VARIETY of products were exhibited by Harringtons, Limited. Pilot parts included power packs constructed of Pilot parts featured largely, and these were keenly examined by interested constructors. Outstanding among these was the new Pilot drum dial control. This very neat attachment can be used by any constructor to replace the separate dials. piece of furniture, an Imperia cinephone for theatres, etc., was more or less unusual in design. Two electric turntables were provided with gramophone pick-ups so that continuity was ensured, and above this a rack served as a record magazine.

Other exhibits were a public address unit complete with microphone and amplifier, a silver Marshall power amplifier of five valves, including two 250's in push-pull, Atwater Kent, Magnavox and Rola speakers.

STAND NO. 6 AND 7.

Radiola—Amalgamated Wireless.

these, and a very attractive dis- stand. was the result.

new all-electric Radiolas were featured and demonstrated during the exhibi-One, an all-electric combination tion. gramophone pick-up and radio set, proved itself capable of attracting a great deal of attention. A novel exhibit was a huge dynamic cone speaker with a baffel in light grey oak built in the form of a screen. A centre piece of colour caught the eye. Around the walls were hung several Marconi speakers, and being of the latest design, these proved quite effective wall decorations. A table of Radiotron valves showed visitors the latest that the R.C.A. are turning out as far as vaives are concerned.

STAND NO. 8.

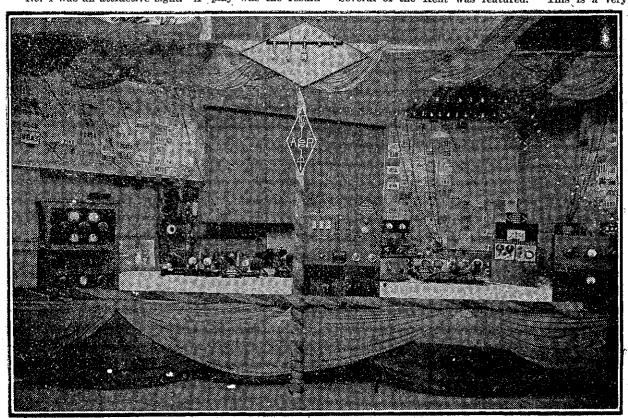
Cossor Melody Maker.

THIS was the only stand in the exhibition featuring small batteryoperated sets. The stand was brightly decorated in orange and yellow. the sides were two assembled Cossor sets and on a central table was a Cossor with the lid removed. At the back of this was a loop antenna which could be plugged in to replace the antenna coil so that the local station could be received without aerial or Instructions showing the assembly of the sets were arranged on the wall, and visitors could then see the set in kit form, how it was assembled, and the assembled set.

STAND No. 9.

Atwater Kent.

A VARIETY of sets, ranging from handsome consoles to smal shielded HERE was no partition between table models were on view at this A new shield grid Atwater Several of the Kent was featured. This is a very



The attractive stand of the Association of Amateur Transmitters.

heat receiver, finished in a metal name Philips was formed by valves shielded case. workmanlike job could be seen; every a very artistic effect. The stand was thing is perfectly shielded, including the three screen-grid radio frequency valves, the coils, condensers and power To show that the set is well constructed and well wired, one had Everything here was neat and in or-

On removing the lid a and the flood lights above them gave furnished like a sitting-room, with a fireplace, chairs, etc. A full range of speakers, including the new dynamic, was on view.

Philips new Q-P (Kewpie) local been reversed to reveal the wiring, station receiving set deserves special mention. This is a very small receiver



A.W.A.'s Stand at the Exhibition.

hibited.

Novel lighting effects were obtained by a candle type electric fittings, making in all a neat and attractive stand.

STAND NO. 10.

Macquarries, Ltd. Steinite Radio.

AT this stand the new line of Steinnite radio was on view for the first time. The design is most unusual, and very pleasing. Of the large combination model the upper portion is devoted to a wireless set with a gramophone turntable in the lid. The lower part contains the speaker and record albums. This receiver was demonstrating during the exhibition. The smaller model Steinite radio set only was also on view. Several Cossors in kit form and one in assembled set completed the exhibit.

STAND NO. 11.

Macquarries, Ltd.

THE outstanding exhibit here was a console Crosley Show Box, with turntable and pick-up built in. The speaker was a Crosley Dynacone, finished in silver crystalline. Other Crosley models were displayed—the Show box and Gem box. Artistic light shades gave to the exhibit an added warmth.

STAND NO. 12.

Kirkcaldie and Stains.

THIS contained four Majestic A.C. receivers, each of a different type. One of these had been adapted from the model 71 by Kirkcaldie and Stains. An addition has been made to the top portion, enabling the inclusion of a gramophone turntable with a pick-up. t is difficult to believe that these are not being turned out directly from the Model 181, the big combination set, was used to demonstrate re- STAND No. 16. ception from 2YA.

STAND No. 13.

Philips Lamps, N.Z., Ltd.

NOTE of originality was struck in The attendants did a great deal in the the furnishing of this stand. The way of testing apparatus that amateur

Several speakers were also ex- no larger than a Philip's battery eliminator. In appearance it is altogether different from a receiver. One simply presses the button and listens to the local station. Neither aerial or earth is necessary for the local station, with the result that the set can be moved about frem room to room.

The A.C. 333 is a self-contained 3-valve A.C. set. The amateur obtains the parts and the circuit and builds this up for himself. A large assortment of trickle chargers and power packs were displayed.

STAND No. 14.

L. M. Silver and National Electric.

A S far as L.M. Silver was concerned. Kuprox rectifiers and eliminators were the main features. Crosley sets and speakers were also in evidence. An unusual effect was produced by lengths of Laker steel masts around the stand.

National Electric Engineering Co. exhibied their new H.C. table model Fadas. A gramophone pick-up complete with motor and tone-arm was on view, and ran continuously, showing that it was capable of very smooth motion.

STAND No. 15.

Ballinger's.

OSRAM valves and Peerless speakers were featured on this stand, with a very fine piece of furniture in the centre, made by Ballinger and Company themselves. This was a Company model wireless set, with an amplifier using a 250 in the final stage. was operating during most of the exhibition, and during the football broadcast large crowds gathered to

Post and Telegraph Department.

TARGE and interested crowds gathed round this stand to see the many types of scientific apparatus displayed.

constructors brought along. for testing arrier current (wired wireless) drew much attention, and a great deal of interest in this new possibility was evoked. An apparatus to measure capacity by the hetrodyne principle received much attention, while a fading indicator kept continuously on a broadcasting station, showed very clearly how the output from this was being received. A simple meth 1 of measuring restance was that of the neon lamp apparatus, he number of flashes per minute, indicating the resistance. STAND No. 17.

"The Radio Record."

VISITORS to the exhibition were generally interested in the collection of obsolete radio apparatus dis-played on the "Radio Record" stand. This was centred about a very complete case of valves representing types dating from the de Forrest valves in 1912 to the modern valve, and a set of tuning coils, constructed in 1918 for use on the wave band between 4000 and 23,000 The tickler and aerial coils metres. each exceeded 2ft. 6in. in length, and were about 5ft. in diameter. tuner, primary, and secondary, comprised two coils about 18in. long and One moved one ŝin, in diameter. within the other. Interesting radio curios from the late war showed the process radio has made during the last ten years. In contrast to these was a modern power amplifier designed and constructed by "Pentode." was operated from a gramophone pickup and in conjunction with a crystal set described by "Megohm" 2YA was brought in at excellent "Pentode" and "attende" attended to the conjunction with a conjunction the Technical Editor were in attendance to answer the constant stream of inquiries regarding the exhibits and radio problems confronting constructors. Sample copies of the "Radio Record" were distributed by members of the staff.

STAND No. 18.

Amateur Radio Society.

THE exhibits of the winners of the competition organised by

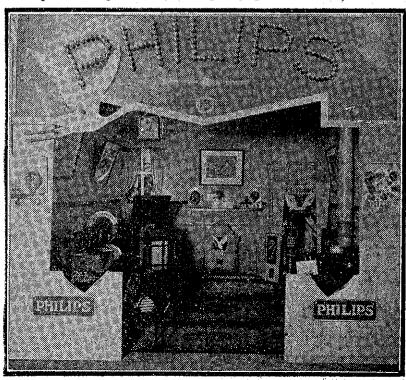
The gear Amateur Radio Society were closely examined by a very large number of exhibition visitors. The winner in each section called forth much praise for their neatness in construction, and general finished appearance. Other exhibits were an "Economy One"—a one-valve home-constructed receiver with a glass panel, a crystal set which had won a prize in a London exhibiand an assembled kit set. This latter was the work of an experienced set builder and showed constructors how to go about these apparently simple

STAND NO. 19.

The Amateur Transmitters.

IN the centre of this exhibition was a large power amplifier which had been constructed to supply the power to a very neat transmitter assembled as a separate unit. This transmitter uses one of the special Marconi valves which, with suitable coils, will tune down to 5 metres (600,000 kilocycles). Probably the most novel exhibit on the stand was the transmitter and receiver of 2GA. These were both fitted into a cabinet about 20 inches high, 8 inches deep, and 20 inches wide. In the top compartment are two metal cans containing the receiver and the transmitter. The change-over switch in the lid enables either to be used. this apparatus two-way communication with Spain has been accomplished.

There were very many neatly-built transmitters, ranging in size from one slightly larger than a one-valve receiver to complete outfits standing 4ft. The receivers exhibited were high. very well made, and amateur shortwave enthusiasts examined them with interest to get ideas for the constrluc-tion of their own sets. The stand was brightly lit with small lamps which made the display quite cheerful. QSL cards from all over the world covered the walls, and some interesting "Ham' the photographs were on view.



Philip's Radio Exhibit. -Commercial Photographic Service. Photo.

Wireless for Spanish Colonies

Fernando Po Linked Up

SOME time ago the Spanish Goverment made the decision to establish a direct wireless service between Madrid and the Spanish colony Fernando Po, in Equatorial Africa.

The principal Spanish and foreign wireless companies competed for the supply of the apparatus and the specification of Marconi's Wireless Telegraph Company for the supply of a short-wave transmitting and receiving station was approved and its tender accepted.

In addition, an order was given to the Marconi Company for the supply of a modern medium-wave valve transmitter and receiver, to replace the existing medium-wave spark station installed in the Spanish colony, which is used for working to ships and neighbouring colonies, and which can no longer be regarded as sufficiently up to date for the purpose for which it was intended.

Preliminary investigations at Fernando Po had revealed the fact that the geographical position of the Spanish colony is not an ideal one for the reception of long-wave signals from Europe, owing to the colony's close proximity to the Equator. Short-wave signals from Europe, on the other hand, were received with regularity

experience of short-wave working, the FromMarconi Company put forward the use of this method of tranmission for a service between Fernando Po and Madrid. The transmitter which is required to work to ships and to the REALLY, you know, the mailbag secneighbouring countries, on the other hand, uses medium-wave lengths, because the new International Washington Regulations provide that ships shall work on wave lengths between 600 and 800 metres, or between 2000 and 2400 metres, and provision had therefore to be made for working on these wave lengths.

The short-wave transmitting and receiving gear has now been installed at Fernando Po, and it is anticipated that, shortly, the new station will be in regular operation with Madrid.

The tests which have recently been carried out with Madrid have given excellent results and signals were received with great strength and clar-

Lausanne Conference

THE conclusion of the Lausanne Conference marks a milestone in Continental radio development. Practically every European city was represented. The principal questions discussed included the right of reply, telephotography, mechanical means of sound recording and the progressive development of the international exchange of programmes by means of long distance telephone circuits. It was decided to hold the next conferand accuracy. Based on its unrivalled ence in October, 1930, at Budapest.

Comparisons.

tion of this paper is me : amusing. The rising popularity of the R.B.C. is responsible for the amusement, because no sooner does someone write criticising the R.B.C. than there applied the responsibility of the results of pear a host of letters fairly squashiing the gentle critic in all directions.

Of course, this is proof that the critic's views are not shared by the majority. Still, I must say I admire those critics who have the temerity to air their views, knowing full well that they are almost certain to be sat on heavily in the following publication.

Purely out of curiosity, I should like to know if all those who criticise are comparatively new listeners-in or not. By new I mean listeners of three or four years' standing, for I simply can't imagine that any listener who owned a set prior to 1925 can be one of the critics.

When I think how in 1922, to hear two or three musical items per night with large intervals between was considered really first-class reception, and then to consider again the simply astoundingly stupendous strides—again apologies—that wireless invention and organisation has accomplished, I cannot imagine that the critics are of the older school of listeners.

Also, the cost of wireless apparatus is about one-quarter what it then was. For instance one valve cost me £4 10s.. and a pair of headphones £4. Of course

Correspondents with such prices one usually made most of the apparatus oneself.

Then again to get the best results, usually one had to crouch over the dials and use hand-capacity—because it was mostly unavoidable—whereas nowadays a set requires practically no attention.

I should like to say that radio is forging ahead in this district. good lady who has an all-wave set, came home after a month's holiday and said she really didn't know which she was most pleased to see, her husband or the wireless set! And I might mention that both are very excellent.

In conclusion I might remark that gain as much entertainment from Europe and America as from Australasia .- J.O.H.T. (Hakataramea).

Church Services.

CHURCHGOER" seem... to think that there shouldn't be so many caurch services broadcast on Sundays. would like to say in reply that there are many listeners like myself who live in the backblocks, and never get a chance to attend their respective churches on Sundays. The services churches on Sundays. The services which are bronde st by the R.B.C. are greatly appreciated here. I consider that I get my 30s. worth on Sundays alone. "Chr 'igoer" also complains that there is not enough music on Sundays. What about the splendid grammes given by the Fort Nicholson Silver Band, which are broadcast by 2YA and 1YA? "Churchgoer" is certainly hard to please. If the Broadcasting Company co: 'inues as they are doing I for one will be well satisfied .-D. Jemmett (Gordonton).

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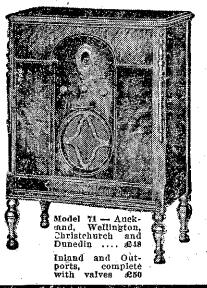
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Bureaucracy and Broadcasting

Quite a stir has taken place in British Broadcasting circles by the resignation of seven important officials. We reproduce below extracts from the comments of "Popular Wireless" on the subject. This position is interesting and thought provoking in relation to the best means of securing absolute efficiency in the administration and control of so intimate a feature of public life as broadcasting. Broadcasting depends essentially upon its popular appeal and immediate responsiveness to public needs. How far can a bureaucratic Government system of control meet those conditions? is a very important question, in so far as it affects the best means of meeting the drastic needs of the broadcasting service.

tain Eckersley has created a widespread sensation-and a really insistent demand to know the reason for the resignation, not only of Captain Eckers-

ley. but of other B.B.C. officials.
"Anybody with intelligence will realise that, so far, only a hint of the real facts about these resignations has come to light. For example, when Captain Eckersley resigned, he was asked by a 'Daily News' reporter what he had' to say about his resignation, and his reply was:

"'I can only ask you to apply to the B.B.C.\ We discussed this matter, and agreed that it would be better that nothing should be said beyond what was said in the official announcement." (he italics are ours.)

"The "Daily News" reporter said: You realise that, in view of all the resignations which have occurred at Savoy Hill lately, the reticence which is being observed on your part will be ascribed to a difference of opinion. Would that be unjust?

"AS we anticipated," says "Popular the resignations of other high officials Wireless," the resignation of Cap- of the B.B.C.; and, although we must of the B.B.C.; and, although we must state definitely that Captain Eckersley has not in any way broken his selfimposed rule of silence as to the reason for his resignation, we, being in touch with many important sources of information in connection with the B.B.C., now feel it our duty to put before our readers a few observations concerning these resignations.

"First, we might refer our readers to the resignation of Mr. R. E. Jeffrey. A few adays ago, Mr. Jeffrey, in an interiew with a representative 'Daily Mail,' said, inter alia,

"'I told Sir John Reith, when I first resigned, that I had not a job to go to, but that, with such a vacillating policy in the B.B.C., work for me was impossible. He persuaded me to withdraw my resignation, but another six months' work convinced me that I had been right, and onvinced me that I had been right, and I resigned. There is no one who will say 'Yes' or 'No' to an idea in a day. It has to be well analysed, discussed in committees, and finally massacred until there is only a ghost of an inspiration, and the heat of enthusiasm has gone.

TAPO PERIOD

Photograph showing the antiquated apparatus displayed on "Radio Record" stand. To the right the Technical Editor is seen discussing a problem. -Commercial Photographic Service.

can B.B.C.,' replied Captain Eckersley.

Other Cases.

"But it is the duty of the Press to inform the public, to the best of its ability, the reason, not only for Captain Eckersley's resignation, but for

only refer you to the This goes on right through the building. If my subordinate had an idea I could not put it through for him. I had to tell him to wait, and I would do my best; and so he lost heart. He left two years before I did.

"Later, Mr. Jeffrey said: 'My whole point when I discussed my resignation are going to tolerate bureauc with Sir John was; 'I insist on being a terference, from the governors.

man, on being allowed to think as a man, on being allowed to think as a man, on doing my job as a man, and not like an automaton.' I did not agree with the methods on the entertainment side of the B.B.C. I felt I could be successful at Savoy Hill in a very much higher degree than I was if I said to myself: 'I have five people to entertain with my programmes, five people who are in a superior position to myself. If I in a superior position to myself. If I put them on something which was quite popular with the public that item was quite often unpopular with the five people whose position was superior to mine, and wo were able to tell me what they thought of me.

"Mr. Jeffrey suggests in the interview he has given to the Press that he had to consider five yeople in connection with his work more than the thousands and thousands of listeners who might like the broadcasts he arranged. In other words, Mr. Jeffrey always felt that certain higher officials had to be considered before the public; and that, of course, was an impossible position for any man to work under.

"PROM time to time we have known of disagreements between the

PERSONAL DISTREBUIS DE LA PERSONAL D



The "Mullard Car" plying through Wellington did much to advertise the -Maybury Photo. Exhibition.

"The people who constituted the listening public had to become less important to me if I wanted to keep my job. And people who are now engaged in arrangpeople who are now engaged in arranging programmes and trying to find suitable acts for broadcasting would, if they dared, tell you the same as I am telling you now. It was on behalf of the staff I resigned. I thought that perhaps this gesture might clead to making things easier all round.

Rights of the Public.

"MR. JEFFREY is to be congratulated on his courage in at last coming out into the open and telling the real facts concerning his resignation. We venture to say that in many other cases the same views which culminated in his resignation were held by some of his other companions at the B.B.C., and we venture to say that there are still many people on the staff of the B.B.C. who feel as Mr. Jeffrey feels about the conditions under which work has to be carried out.

"From our knowledge of affairs at the B.B.C., we have no hesitation in saying that many of these resignations have been brought about by the great difficulty experienced by some chiefs of departments in their relations with the governors of the B.B.C.

"The Press have been curiously slow in failing to realise that it is not only salaries, and it is not only a Civil Service atmosphere (which is more or less inevitable in a Government concern like the B.B.C.), which have caused all the trouble. But it is not likely that men like Captain Eckersley or Mr. Jeffrey, or Mr. Cecil Lewis and other I ghly responsible and skilled people, are going to tolerate bureaucratic in-

chiefs of departments and the governors, and we suggest that the trouble at the B.B.C. will not be purged until the governors realise that the only way to get the best out of a man is to leave him reasonably alone when he occupies an important position.

"Petty interference and the introduction of personal likes and dislikes about programme items in connection with the work of important B.B.C. officials in the programme department will inevitably lead to discord and dissatisfaction.

'It is not a question of any dissatisfaction with the leadership of Sir John Reith. It is true that Sir John holds some views which many people violently disagree with. We ourselves do not always see eye to eye with his policy; and it is perfectly true that many members of Sir John Reith's staff do not see eye to eye, with him in connection with the B.B.C. programme policy; but, nevertheless, Sir John Reith is an inspiring personality, and has a highly developed sense of justice and fairness, especially in connection with his staff. And the public may take it for granted that the discontent at the B.B.C. which has resulted in the resignations of so many important members has but little to do with a personal dissatisfaction with Sir John Reith.

"We repeat again, it is with the gov-ernors that the root of the trouble lies. appointments were Their criticised, and their apabilities for the office even more criticised, and we sincerely hope that something will shortly be done radically to change the situation with regard to the governor-ship of the B.B.C."



IT is regretted that a large number both in tone and in the amount of of Questions and Answers have to be held over until next week. This is unavoidable owing to the fact that the technical staff was engaged in exhibition duties during the week.

Sensitivity of the Linen Diaphragm Speaker.

 $\mathbf{W}^{ ext{OULD}}$ the linen diaphragm speaker given the same volume as my horn speaker, or does it need more power to work it? asks "G.F." (Dunedin).

A.: While this speaker is very sensitive, it cannot equal the sensitivity of a small horn such as "G.F." is using. Almost invariably a delicately-conthan a cone, but the latter makes up

volume it can handle.

May 3, 1929, compare with the linen diaphragm speaker as regards tone and This can be regarded as A.C., and the volume?

A.: There is very little difference. Both can reproduce a very wide frequency range at great volume.

"Pentode's" M.C. Speaker.

"J.B." (Christchurch), and the results are splendid as regards tone and volume, but the field winding takes 11 amps. at 6 volts. I have tried running this from a 2-amp, charger, but anced armature type, that is, the type only a hum can be heard, and an am-used for cone and not for horn M.C. speaker?? structed horn speaker is more sensitive meter connected in series shows no speakers. movement.

charger is direct, it has a strong ripple windings. The effect of A.C. on these 2. How does the speaker described owing to the fact that filter devices windings has been explained in the are not used with battery chargers, reply to "T.B." (Christchurch): field of the magnet is acting as a choke directly from the mains, a rectifier and coil which will not pass A.C. sert an electrolytic condenser across the field terminals.

Unit For Linen Diaphragm.

I have made this speaker, writes IS it possible to use an ordinary speaker unit in conjunction with this type of speaker? asks "N.E.H." (Auckland).

A.: Yes, providing it is of the bal-

Alternative Construction to L.D. Speaker.

WOULD the alternative construction be as good, or better, than that ferably using power valves in push-supplied in detail? writes "A.S." (Marpull. tinborough).

A.: It is not as good as the straightout construction, and for this reason full details were omitted.

2. Would it do to have a spring to balance the pull on both sides of a double diaphragm speaker?

A.: This would be all right, but there is a possibility of resonance effects due to the spring. It would be worth trying.

Attaching the Unit to the L.D. Speaker.

HOW would I attach the driving rod of the balanced armature unit to the coupling bolt? asks "H.G.C." (Seatoun).

A.: Tap the rod and use two washers and two nuts, or stick it with glue or secotine.

2.: Will it operate directly from a crystal set without amplification? A.: It is most unlikely.

Points Regarding the L.D. Speaker. "FRG." (Tokomaru) asks:-

1. The address of a Wellington firm where the units are procurable.

A.: Smythe and Co., Victoria Street. Will Copal brand varnish be suitable to paint the diaphragm?

A.: No, use the preparation specified. 3.: Is the hole to allow the driving rod to pass through to be the exact size or slightly larger?-Slightly larger.

Adapting the M.C. Speaker.

W. "Pentode's" dynamic cone speak-P." (Dunedin), in stating that er has "exceeded his rosiest expecta-tations," mentions that the drain on the accumulator is rather heavy. He wishes to rewind the field magnet in order to adapt this to A.C.

A.: Although the current from the rectified and smoothed to the field operate the dynamic cone speaker In- a filter system must be constructed. This would comprise a transformer to step the voltage down to about 12 volts, a rectifier to pass sufficient current, a choke and condensers to filter the output. This would then be broken down to 6 volts by a resistance and applied to the windings such as described by "Pentode."

2. Would a crystal and three-valve R.C. amplifier give full volume on the

A.: It would probably give reasonably good results close to the local station, but the result could not be compared with that of a well-constructed transformer coupled amplifier pre-

3. If the reaction condenser dial is turned to "0," I can remove the grid leak without affecting results. Is

there anything wrong?

A.: It appears that the grid condenser has broken down.

4. I have 22 volts grid bias applied to two 256's in push-pull in the final stage. Is this correct?—Yes.

"J A." (Auckland) asks the same question, and his question is consequently answered by the above. A 25 to 1 step-down transformer will still be necessary.

Oscillation Trouble.

HAVE a 3-valve set made from a popular kit, writes "J.S." (Dunedin), and the set seemed to stop oscillating all at once, so I disconnected the lead from the negative side of the "C" battery and connected it to the transformer, thus cutting out the grid bias on the power valve. The set will now oscillate, but I can only get the local station.

A.: Test transformers, chokes and condensers by the 'phones and cell method, though it would seem that the trouble is in one of the valves. A nearby dealer would test these for you. By employing the final valve without bias, the tone of ale set is being spoiled. This is a most unsatisfactory compromise.

2. The spindle of my loudspeaker has broken. Where could I purchase auother?

A .: Write the technical department, Philips Lamps, N.Z., Ltd., Hope Gibbons Buildings, Wellington.

The Tetrode Amplifier.

J.C." (Blenheim) has constructed the amplifier described by "Galena," which uses the tetrode valve. He A.: An A.C. dynamic cone speaker has had very good results, including 1, implies the use of alternating current 2, and 3YA. He asks if it is possible



Advert:-The Mullard Witeless Service Co. Ltd., Mullard House, Denmark Street, London, W.C.2.

Obtainable from all good Radio Dealers in 2, 4 and 6 volt UX and English base-

Welling Agents: SPEDDING, LTD., Box 462, Auckland; Box 1531, Wellington; Box 922, Christchurch; Box 516, Dunedin.

to replace the crystal by a valve of the

same type.
A.: It is possible, but it would require the alteration of the whole set. The tetrode valve has proved itself an excellent one-valve amplifier for crystal, but when a wide voltage swing has to be accommodated, distortion takes place.

Overseas Reception.

WE cannot get any foreign stations, although the New Zealand and Australians are very loud, complains "Worried" (Oamaru).

A.: Reception of stations other than these is most uncertain, and very difficult in the case of an all-electric neutrodyne such as used by the correspondent. Almost invariably a reactionusing set is necessary, and aerial and earth conditions have to be favourable. However, if the correspondent wishes to do a little searching, he may find some of the foreign stations in the following places. JOFK, very close to 2BL; two other Japanese on either side of 4QG; an American on Auckland's wavelength; and one on 2FCs wavelength.

2. Should the lead-in wire touch the walls?

A.: No. Even if they are insulated they should be kept clear of the wall for insulation can be worn away and a short circuit take place.

3. What length should be the aerial? A.: The aerial and lead-in should measure about 100ft. Beyond this. signal strength, static, and unselectivity are increased. Below this, signal strength is lost, selectivity sharpened, and static less severe.

Trouble With the Two R.F.

CAN you assist me to get the best from my two R.F. parallel feed Browning-Drake, writes "Constant (Blenheim). The R.F. valve aluminium? (PM5) is controlled by a 30 ohm rheostat, and the detector (201A), by a 6 ohm rheostat which also controls both audio valves (PM6 and PM256).

It is being able. series with its filament. burned at 6 volts when it requires no This would account for more than 5. some of the trouble. If a 6-volt accumulator is used there is no necessity for the audio valves to be controlled by a rheostat.

2. I am using 90 volts "B" battery and 4½ volts "C" battery. Is this cor-

A.: No; double the voltage of the

"C" battery.

3 There is a fixed condenser, capacity .0001 mfd. in series with the I have short circuited this, and find that I can get more volume on stations above 300 metres (10,000 kes.). I cannot tune in the stations the higher frequencies because the tuning condenser is right out.

A.: It is evident that there are too many turns on the secondary of the first transformer. If this comprises one tapped coil remove a few turns, otherwise take them from the second-The effect of a fixed conarv coil. denser in series is to sharpen tuning and raise the frequency receivable.

By bridging it, sensitivity is increased, and the lower wavelengths (higher frequencies) can be tuned in

Purpose of Shielding.

T AM rouilding my set, writes "T.O.H." (Brooklyn). t ere be any advantage in using an old ebonite namel as beschourd.

A.: Yes, it would eliminate any tendency to short circuit, due to the "J.P.B." (Petone) asks the meaning dampness of the wood.

2. What is meant by, and what is the purpose of shielding?

A : This question was fully dealt with in the issue of the "Radio Record" dated March 15, 1929. Shielding prevents interaction between coils, and results in greater selectivity and stab-

A Push-Pull Problem.

CANNOT eliminate a high-pitched squeal which varies in intensity with the speech or music received, writes "E.S." (Waiau Pa). My audio amplifier consists of two valves in push-pull. The squeal can be silenced by touching one of the grids, but accentuated by touching the other. I have tried reversing the connections to the primary using by-pass condensers, and arthing the transformers.

A.: It appears that the valves are unbalanced, but try the effect of a 1 megohm grid leak in the grid lead to each valve. If this does not prevent the howl test the valves to see if they are balanced.

2. I reversed the tickler leads. Is this all right?-Yes.

3. Would connecting two speakers in series double the impedance?—Yes.
4. Can a "B.D." set be connected to

the aerial without a condenser in series?-Yes.

5. Is the 171A a suitable valve for push-pull and what grid bias should he needed?

A.: It is quite suitable—with 180 volts use 40 volts grid bias, with 100 volts use about 20 or 221 G.B.

Points Concerning the Two R.F. B.D.

SHOULD the sides of the box as well as the bottom of the transformer stage of this receiver be sheeted with

A.: It is almost essential that this receiver be screened. Each R.F. stage and the detector stage should be enoth audio valves (PM6 and PM256). cased in a complete shield. Screening A.: The detector being a 5-volt boxes such as adopted as standard by valve, should have a fixed resistance in the "Radio Record" are equally suit-

> 2. Where is the best place for the 2000 ohm resistance and condenser?

> A.: There is no such a combination in the two R.F. Browning-Drake.

> 3. Should the R.F. chokes be evenly or jumbled wound?

A.: Jumble wound.

4. How far should coils be from tuning condensers?-At least one inch.

5. Would a 3-plate neutralising condenser be suitable for the R.F. stages?

6. Does the metal tube for cable have to be earthed?—Yes.

7. Should the 13 turns for the tickler read 18?

A.: Try 13 at first and then if this is not sufficient increase to 18.

The correspondent asks for discrimination between two transformers, but there is very little difference between any two first-class pieces of apparatus used in the average set.

Neutralising Troubles.

HAVE had difficulty in reneutralising my Browning-Drake, writes "H.R.S." (Taranaki).

A.: Try by-pass condensers between the B positive R.F., the detector B positive, and negative.

The correspondent has asked for a Would circuit of a D.C. battery eliminator. This will be sent to him within the course of the next week.

Meaning of G.B.

of GB+ and GB-.

A.: This refers to the "C" battery. GB standing for "grid bias."

2. What ratio transformer could I use to add an extra valve, and what valve do you suggest?

A.: A transformer with 31 to 1 radio is O.K. There are many valves suitable for this position. Your best plan is to consult a dealer.

Peculiar Voltmeter Effect.

WHENEVER the tickler is advanced to a certain point, the music , writes "L.C.S." (Trentham). When a voltmeter is placed across the 'B" battery, everything is right again.

2. The set goes into oscillation with a sharp plop, and although I am using a variable grid leak, it does not improve matters. How can I make the set go into oscillation smoothly? I have 24 turns on the tickler.

A.: Both these questions point to a defective grid leak. It seems that the charge is being stored by the condenser and on the grid, and until a surge is set up by the current passing through the voltmeter, the set cannot function. The violent oscillation may be the result of too many turns on the tickler coil; reduce to 22. Generally speaking, variable grid leaks are unsatisfactory.

3. I cannot tune below 250 metres. Would a fixed condenser in series im-

prove matters?

A.: A very few coils designed for the broadcast band will tune below 250 metres. A series condenser capacity over .0001 mfds. will certainly lower the tuning a little, but there is very little below this wavelength to tune in.

Eliminating the Local Station.

"REMUERA" complains that even with a wave trap he cannot cut out the local station.

A.: A loosely-coupled first radio transformer will greatly improve se- advertisements.

lectivity. By loosely coupled we mean a transformer of two distinct portions. A small coil of about 25 turns is connected to the aerial and the earth. A secondary coil of about 50 turns connects with the grid and the filament. By arranging this so that the primary coil may be varied in its relation to the secondary coil, selectivity can be varied at will. A series condenser in the aerial lead will sharpen selectivity.

Use of 250 Type Valves

IT often seems that in their eagerness to be among the first to make use of a new valve, some radio engineers, enthusiasts and writers, do not give due consideration to the proper use of such valves. In some instances, this has been the case with the 250type valve.

This valve type was primarily brought forth to satisfy the demand for power amplifiers for use in theatres and other large gathering places. When used in such connections, the use of an amplifier before the last stage capable of providing a voltage amplification sufficient to bring out the best in the power stage is required.

The use of a push-pull power stage using two 250-valves is not generally recommended, except for instances where extraordinarily large power output is required. Certainly such an amplifier has no place in the average home.

For ordinary home use, the greatest advantage of the 250 valve lies in the fact that it will give, with lower plate voltages, an output equivalent to that obtained with a 210-type valve at much higher voltages. For home use, therefore, the plate voltage used should not be higher than 300 volts.

For Sale or Exchange.

See page 40 for column of casual

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The Gramophone Pick-up

ROVIDED that a good ampli-fier is in use on the radio receiver, reproduction of gramophone records upon the loudspeaker is now an easy matter, and involves practically no expense be-

yond the purchase of a pickup to attach to the gramophone. Those who do not already possess a gramo-phone may, through the medium of a pick-up and the audio amplifier, provide themselves with a satisfactory substitute at comparatively low cost.

Any turn-table that is regulated by a goernor may be used in connection Wich a pick-up, and may be quite cap-able of giving the best reproduction that may be obtained from the amplifier, as it is upon this latter that the quality of the music depends, provided, of course, that the pick-up is one of re-

cognised merit. Some pick-ups now on the market may be obtained with or without tonearm, the latter in many cases being accompanied by a volume control, which is a variable high resistance suitably connected. If the tone arm type is purchased, the arm may be fastened in position on the gramophone, leaving the original tone-arm in place, to be furned back out of the way. The correct position for the tone-arm must be properly determined, or else the wear of records may be excessive, and reproduction may not be the best possible.

The method of placing he tone arm is to lay a straight-edge upon the turntable, with one edge touching the central spindle. One of the largest records to be used must be upon the turntable, and the beginning and finishing positions of the music noted, as at A and B. Half-way between these two points (C), a line is drawn at right angles to the straight-edge, and carried out in the direction of D. A needle is now placed in the pick-up, and the tone-arm pillar moved along the line C D until the needle rests upon the central line at a point C on the straightedge, that allows it to swing in an arc from A to B, the extreme points of the recording grooves, as shown in the diagram. The tone arm is then secured in position with screws. When finding position the needle must be kept at its correct angle, and the tone-arm must be adjusted if necessary, with packing, that it is the correct height to allow of the needle running at the proper

If the pick-up unit alone is purchased, it will fit into the head of tonearm instead of the regular reproducer. Some units are provided with two removeable sockets, each a different size to fit standard tone arms.

Any ordinary gramophone needle is used, but some users may prefer to avoid constant changing by employing one of the semi-permanent type which

How it May be Used

(By "MEGOHM")

Constructors who are fixing up their turn-table movement may in some cases make a special tone-arm. Failing one of metal, this may be of wood, but should not be less than one inch square, otherwise rigidity will be lost. Such a tone-arm may be rather longer than the usual gramophone arm-say, 12 inches from needle to point of rotation.

Centre of Tone-Arm (Pivot Mendle to Pivo <u>Finding Position</u> of Tone-Arm Amplifier Valume Control 1 Volume Control 2 Ordinary Volume Control ano Scratch Filter Turntable

Pick-ups generally weigh about five ounces, and this weight is usually allowed to rest upon the record, but where it is considered that the weight is more than is advisable for the life of the record, some kind of spring or counter-weight may be employed to take a little of the weight off the This, however, must not be carried too far, or the deep notes will not be reproduced correctly, and if the pressure is much too light, general quality suffers badly.

When a pick-up is attached to the ord! y gramophone tone-arm, it has a deceptive appearance with regard to finding the position for their attachment to the top of the cabinet. A straight line joining the needle to the centre of the tone arm pivot must be considered as the tone-arm, ignoring any curves or turns constituting its actual shape. In constructing a tonearm the pick-up must be attached at such an angle that fixes the case at right-angles to a line drawn from the needle to the pivot of arm. Connections and Volume Control.

THERE are two ways of connecting a pick-up to a broadcast receiver. The usual method is to connect the two leads either direct to the primary of the first udio transformer, or in an indirect way by means of an adapter, sometimes supplied, which plugs into the detector socket instead

of the valve.

The alternative method is to connect the pick-up unit to the grid of the detector valve, conveniently by a flat adapter which connects to the grid and filament negative prongs, after which the valve is inserted in This method makes use its socket. of the detector valve as an amplifier, and so will give added volume, but on the other hand, the low frequencies (deep notes) will not be reproduced so well by this arrangement, as the presence of the valve causes the pick-up to give more output at the high frequencies, and thus amplification is rendered uneven.

Needless to say, if reproduction is equal or beats that of a good gramophone, the amplifier must be a good

one; it must give fairly even amplifi-cation throughout the musical scale, and must be capable of reproducing well the lower frequencies. The same remarks will apply to the loudspeaker, which should be a good cone or dynamic.

If a volume control is already provided on the amplifier, it may be used to regulate the gramophone music, unless it is desired to locate the gramophone away from the amplifier, perhaps in another room. In such case volume control may be provided at

the machine.

When running pick-up leads for distant operation, care must be taken to avoid running them near to the loudspeaker leads, otherwise a whistle or howl, caused by interaction, will be set up. Pick-up leads may be 26's to 30's d.c.c.

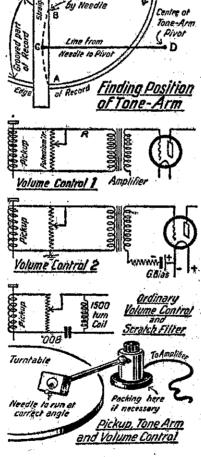
It is quite probable that a pick-up will give highly satisfactory results without either compensating resistances or scratch-filter, but the methods of utilising these are given to enable experimenters and others to deal with extreme cases.

Compensation Methods.

TOLUME control in direct connection with the pick-up may be effected in different ways, with particular regard to suiting the actual pick-up to be used. These methods are illustrated in diagrams. The first shows how amplification may be to some extent evened up when the first transformer has a high peak, that is, gives emphasis to the high audio frequencies.

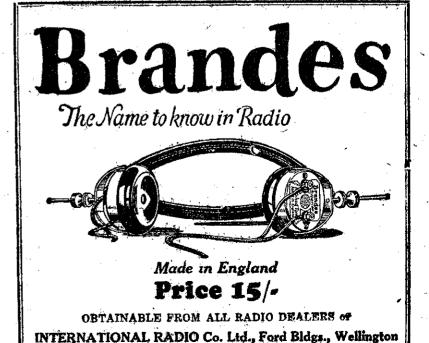
With a volume control of comparatively low resistance, say 10,000 ohms, the pick-up will not respond well to high frequencies, and the lower this resistance, the less will be the response. The peak of the transformer is then relied upon to restore the weakened high frequencies instead of over-empha-

sising them.



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The disadvantage of this scheme is that it weakens the low frequencies as well as the high. If the amplifier as a whole, or the pick-up, has too high a peak, this can be reduced by inserting at R an extra resistance of 10,000 to 20,000 chms.

The second scheme is for reducing the high frequencies by alternatively placing the extra resistance in the grid return of the transformer secondary. This resistance may be from 50,000 to 250,000 ohms to suit the pick-up and transformer. This method does not reduce the low frequencies, but should or the high frequencies will be practically lost.

A diagram is given of the usual volume control, also showing the position of a scratch filter should it be required. A variable resistance of not to a transformer primary of high imless than 50,000 ohms should be used for the control.

In the other diagrams a potentiometer control is shown, the resistance of which must be high-500,000 ohms if the detector is used as amplifier.

In cases where the leads from the pick-up to amplifier are lengthy, an in-

for in a transformer-coupled amplifier.

As a general rule, the best results with the lower frequencies will be obtained when the pick-up is connected pedance, and this applies particularly to the case where a dynamic speaker with baffle-board is employed.

Scratch-Filters.

IT is not likely that with efficient apparatus there will be sufficient needle scratch noise to be objectionable. Such trouble is more likely to be encountered when the pick-up signals are fed to the grid of a detector valve, as this method is very much in favour of high frequencies.

Should it be considered necessary to provide a scratch-filter, a honeycomb inductance and fixed condenser are connected as shown in the diagram. 150-turn honeycomb coil will be suitable, and may have a small amount of iron or stalloy placed in its centre in order to slightly broaden the bypassed waveband. With a fixed condenser of .008 mfd., the filter tunes to about 5500 cycles, so that most of the scratch noise is cut out without affecting to any extent the quality of the music.

Selecting a Pick-up.

MANY different makes of pick-up are now to be obtained, and probably all may be classed as good, but at the same time there is a variation in their characteristics, chiefly with regard to volume, and as to whether the high or low frequencies are most emphasised. Low-note response should be sought, as the high frequencies are rarely subordinated.

Prices are now so reasonable for a reliable article that no attempt at construction is advised. The factorybuilt pick-up is a collection of a vast amount of research and experience, enabling very perfect reproduction to be effected. The home-made variety is usually a "tinny" sounding production requiring liberal "damping" with rubber, a condition which puts severe wear upon the records, causing their rapid deterioration.

Electric Turntables.

AITHOUGH a good double-spring motor will do its work well; an electrically driven turntable is a great convenience, obviating the necessity for continual winding. Several good makes of turntable, governor and motor combined may be purchased. In some of these a smooth-running motor is geared silently to the turntable, whilst another type, scarce at present in New Zealand, runs by an induction motor using alternating current. kind, but on the spindle of the turntable there is a copper disc about five made much more pleasing. inches in diameter, running between electro-magnet poles, which impart to it the necessary rotary motion.

Here, too, the constructor is warned with an unsuitable motor. There are upon the market some small motors selling at a pound or less. Some of these, running on six volts, have sufficient power to run a gramophone, but they are not constructed for lasting service, and after a few days' work the spring brushes wear through, necessitating replacing by carbon brushes if too frequent renewal and undue

not be used with detector valve input, put transformer should be provided at sparking are to be avoided. The comthe amplifier. This is already provided mutator is another source of trouble in this type of motor-it soon wears out. Another great objection is the noise created, and unless this can be properly subdued, quality of reproduction will suffer.

The only satisfaction to be obtained by fitting a separate electric meter to an existing turntable is by purchasing a well-made, quiet-running motor and coupling it to the machine by a truerunning rubber pulley hearing against either the governor pressure-disc or the underside of outer edge of turntable. The former method is much the better if the speed works out satisfactorily.

A brake is hardly necessary with the electric drive, as only a few revolutions will be run after the current is switched off.

An interesting problem for experimenters is to devise a simple cloud switch to automatically stop the motor when the tone-arm reaches the end of the record. This may take the form of a light arm with adjustable stop, resting on the tone-arm. When the latter touches the stop it pushes a lever which cuts off the current, a small mercury-cup making a very suitable

The instalment of electric reproduction on your gramophone will give the instrument a new lease of life, particularly now that radio claims the premier place in so many homes. The improvement in reproduction over the old style will be a pleasant surprise to many, and records per medium of the loudspeaker will become a very popular adjunct to radio.

Laboratory Jottings

Blue-Spot Pickup.

THE Rodger Importing Co. Ltd., 159 Manchester Street, Christchurch, have forwarded a "Blue-Spot" pickup from the first shipment received, and we have been able to make a thorough test of this. It is a high-grade instrument giving excellent volume, and good response over the entire musical scale even to very low frequencies. pickup, tone-arm, and volume control form one complete unit, the control being situated in the pedestal upon which the tone-arm swivels. It is nickelplated and well finished, in keeping with its performance.

Technical Tips

ONE advantage of the cone-type loudspeaker as compared with the this type there is no gearing of any horn type is that from an artistic point of view its appearance can be

WITH a moving-coil loudspeaker it is necessary to use a wooden baffle board of at least 2 or 3ft. in diaagainst attempting electric driving meter, if the low notes are to be reproduced properly.

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RADIO DIRECTORY

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BREMER-TULLY RADIO Superadio, Ltd.,

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Radio House, Hamilton. G. S. Anchor. Manager.

PHILIPS VALVES AND APPARATUS All Good Radio Dealers.

Short-Wave

(Continued from page 40.)

7.25 a.m.: "Another foxtrot" nounced, quite good compared with recent reception.

This was the only station heard.

Wednesday, July 24.

SSW was first tuned in at 5.40 a.m., when a talk was in progress at metres. Reception the best for some time, except for the morse station on top all the time.

On about 54,5 metres at 6 a.m. music and talk were heard at R2-3. Static

fairly had.

A man and woman were talking this time. At 6.20 p.m. this Californian short-wave station was R7, was mushy, with a slow fade. Conditions soon improved, the latter part of the programme being well received

VK2ME was heard on 28.5 metres at R9 with gramophone records. Did not hear if he was testing with another station on account of listening to 2BL for All Black result.

Thursday, July 25.

AT 6 n.m. 58W was B8. Morse QRM again very bad; makes reception impossible. KGO R2 with music.

A German was beard on about 3.75 metres. An orchestra at 6.15 a.m. was followed by "Achtung," etc., and a long slow talk. This will probably be one of the stations using AFK as the call, as they have one working on 37.65 metres. Reception was excellent at R8.

Friday, July 26.

AT 5.30 a.m. Big Ben was heard from 58W, followed by conclusion of piano solo; R8. "This is Lon-Fortnightly criticdon calling. ism of new novels by Mr. talk was 100 per cent. readable, being very clear and steady, and at this time free from morse interference, At 5.45 a.m. gramophone records, two negro spirituals, were announced, Columbia record 5194. These were followed by a talk by Mr. McComry on "Laziness as a Fine Art."

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FROM

Waterworths Ltd.

216 Lambton Quay, Wellington. Queen Street, Auckland. Colombo Street, Christohurch,

a.m. London announced that "All stations will continue with their respective programmes,41 A concert from the studio (London) followed. 6.35 a.m. reception was excellent at good strength; from this time till I closed down at 7.30 a.m. the morse station was a nuisance.

PCI commenced at 5.38 a.m. at R8-9, and continued till 7.30 a.m. Reception excellent except for slight slow

AFK was again heard on 37,65 es. At 5.40 a.m. a lady was sing-This was followed by "Achtung" and talk, R5-6. Modulation was good. 54 metres (about), music and talk was just audible.

PCK, Kootwijk, at 9 p.m. was heard irly had, on 16.3 metres calling "Hullo, here is KGO was not quite readable at 6.30 PCK, Kootwijk," followed by daplex telephony.

20.2 metres (about) a lady was heard talking in a foreign language.

Broadcast from 5SW

YOUR correspondent, "H.R.P.", was certainly unfortunate in that he did not "listen in" to the rebroadcast of 58W by KGO, on the occasion of the King's thanksgiving service at Westminster Abbey. Just previous to the rebroadcast, to which we were ex-pecting to hear from Wellington, we switched over, to find which stations were "on the air." We were indeed surprised to hear the announcer of KGO say he was about to rebroadcast from 5SW, the Abbey service. In fact, it took some believing that this was America to which we were listening, there being practically no static, and occasional fading was all the trouble we experienced. The Abbey service came through beautifully. In hopes that one of the New Zealand stations might be rebroadcasting as successfully, we switched back to them, but the fact that we were soon back at KGO, tells its own tale. However, I think "K.R.P." is incorrect in his supposition that the description of Westminster Abbey came from 58W, this being from KGO.—"Listener In," Blen-

Stations to Identify Reception in Oamaru

COULD anyone give any information on the following stations:-

(1) I picked up at 3.40 p.m., May 21, on about 29 metres, giving "Word list No. 20" and gave call which sounded like "WMA" or "WMK," strength R6 at QSA4.

(2) Station (German) picked up at 9 a.m., July 10, transmitting music, chiefly dance music, and gave wave as 24.5 metres, with call sign which sounded like "DXI" of some "Telephone Company." Strength R7-8 at

Short-wave reception here at Camaru has been very good of late, with all usual stations coming through at very good volume. There seems to be quite a number of stations testing on duplex telephony, and 2ME has been carrying out tests with CJA, Drummondville, Canada, lately. WSXAL has been heard on 49 metres

at quite good strength about 4,30-5

Interference

Are Power Boards Liable ?

An interesting discussion so far as radio enthusiasts are concerned took place at the recent conference of Electric Power Board and Supply Authorities' Association of New Zealand, which was held in Wellington on July

Mr. A. C. Russell (chairman of the Central Hawke's Bay Power Board) moved: "That in view of the demands that are being made upon the Power Boards to correct minor faults in the interests of listeners-in, this conference is of the opinion that some portion of the license fees should be allocated to Power Boards." In speaking to the remit, Mr. Russell stated that in his board's area constant complaints were being received from listeners in, to the effect that very poor results were being received, due in the opinion of complainants to the Power Board lines interfering with the recen-It was costing the board a con- a siderable sum in endeavouring to locate alleged troubles. He would be glad to have the experience of other boards. Mr. W. B. Galbraith (Otago Pewer

Board) seconded the remit. Mr. W. A. Waters (engineer to the Manawatu-Orqua Power Board) said that he had found that 95 per cent, of the complaints lodged by listeners in had proved to be due to defects in the listeners' own radio plants. board did not now deal with com-

Power Board lines.

Mr. Hutton (engineer to the Southland Board) advised that his board refused to accept the burden of radio complaints stated where the fault was.

Mr. Merrison (engineer to the South Canterbury Board) stated that on one occasion he had received from the telegraph engineer over 50 complaints alleging that the Power Board lines were interfering with reception. He had asked the Department to specifically state where and what the fault was. That settled the matter and nothing further was heard of it.

Other delegates deprecated Power Boards taking any responsibility.

Mr. Russell expressed thanks for the full discussion given to his remit. It was simply put in in order that all information possible be obtained. was plain that Power Boards did not accept the burden of responsibility. As his object had been attained he would withdraw the Central Hawke's Bay re-

A Children's Jaunt

GREAT excitement prevailed at the Children's Home in Buckland Road one sunny morning last week, when Peter Pan and Cinderella arrived and invited as many children as the car would hold to go for a drive. What able to get faces washed and clothing changed! Meanwhile the rest of the children were having dinner, so Peter Pan and Cinderella made themselves useful serving out the tapioca puddings. The children were taken to many of the beautiful gardens and parks about Auckland, and reluctantly returned home, having thoroughly enjoyed their little jaunt. The climax of the day arrived, how-

the ever, when another member of the His Radio Family invited Cinderella to be board did not now deal with com-godmother to her two kittens. The plaints unless a competent radio dealer question now is, and Cinderella procertified that the fault was due to sent the kittens with silver mugs?

Have you procured your copy of

"N.Z. Radio Listener's Guide? If a complaint were re Dealers and Booksellers 2/6; Pest ceived he asked that it be definitely Free 2/9-P.O. Box 1032, Wellington.

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Topical Events.

LETTER just received from Philips Radio, Holland, gives their latest broadcasting schedule of PCJ as follows (New Zealand time): Fridays. 5.30 a.m. till 7.30 a.m.; 10.30 a.m. till 2.30 p.m. Saturdays, 5.30 a.m. till 7.30 a.m., and 11,30 a.m. till 5,30 p.m.

Reports of reception are appreciated and a practice is made of calling by name all persons whose reports were

received by the last mail.

Mr. W. Wiffen, Blenheim, has kindly forwarded me a letter received from the British East African Broadcasting Company, Ltd., Nairobi, Kenya Colony. They say, in reference to 7LO, "For your information, we transmit on a wavel ngth of approximately 31.4 metres with a power of 2 kilowatts, and our times of transmissions are from 4 to 7 p.m. G.M.T., or 5 to 8 p.m. B.S.T. daily, including Sundays." This is 3,30 a.m. to 6.30 a.m. New Zealand time.

New Polish Station.

A NEW station at Posen is by this time probably in operation. It is to be of a 750 watt output and used for telegraphy as well as for broadcasting. The first transmissions are to be experimental, and will be made on 30.5 metres or 38.5 metres, or else under 20 metres. Transmissions will be made in Polish, German, French, and English.

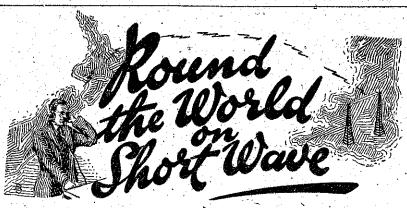
New U.S.A. Shortwave Station.

THE Radio Engineering Laboratory, New York, is "going on the air" with a new station under the call of W2XV, transmitting on a wavelength of 30.2 metres. This station will retransmit local New York stations between 6 p.m. and 1 p.m. G.M.T., except Saturdays and Sundays (New Zealand time 5.30 a.m. till 10.30 a.m. except Sunday and Monday). The power will be 750-1000 watts on the aerial. Reports will be welcomed at Wilbur Avenue, Long Island, New York.

The following extract from "The Listener In" in reference to the recent "thanksgiving service" broadcasts is interesting, as the remarks by the writer were also applicable to New Zealand:--

Thanksgiving Broadcasts.

CONSIDERED as an experiment, the attempt to broadcast to Australia Westminster Abbey thanksgiving service was extremely interesting. As station when it has been at its best.



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

of the value of shortwaves it was a complete failure. The hour at which the broadcast was staged-9.30 a.m., London time-made the tasks of the radio engineers difficult, because the geographical relation of Australia and Great Britain is such that it is nearly impossible to select a shortwave length which will give satisfactory results during the times at which the latest broadcast was carried out.

In an attempt to overcome the drawback of unsuitable time, portion of the service was relayed to Australia through the Canadian beam station, CJA, located just outside Montreal. Very little is known in Australia of the means used to link Westminster Abbev with Montreal, but it is probable that the service from the Abbey was sent via the trans-Atlantic telephone system to Long Island, New York, and thence by land line to Montreal.

Radio Between Germany and the Argentine.

DIRECT telephone service, by wireless, has been working between Berlin and Buenos Aires since December 10 of last year. A wavelength of 14.83 metres is used, and very successful transmissions are taking place.

There does not appear to be any doubt that the station reported several times on about 24.2 metres is KZRM, Manila, Philippine Islands. It seems that I have missed reception from this

WELLINGTON.

a demonstration to broadcast listeners Beside confirmation by correspondents to the "Record" direct, I have received one from Mr. A. R. Cranston, Auckland, who has heard KZRM once between 7 a.m. and 7.30 a.m., and at a later date between 8 and 9.30 p.m., when the full callsign and address were heard, with a request for reports. 5SW has been spoilt now for some days by a Morse station that commences soon after the English station comes on the air. This interference continues without a break, 'I understand that, although the call has not yet been heard, it is believed to be a Russian, and that as soon as its identity is known, steps will be taken to try to remedy the trouble.

The Log for Week.

SATURDAY, July 20: PCJ from 6 a.m. till 7.30 a.m. was very good. Strength R8, increasing to R9. at 6 a.m. was too weak to be readable. but increased to R8 by 7 a.m. The ripple reported before was still there, but not quite so bad. PCJ at 1 p.m. was R3, increasing slowly, R8-9 by 4 p.m., after which signals strength decreased slightly. At 4.15 p.m. the announcer told his listeners "That a balloon is coming down about 200 yards from the transmitter. It will be interesting to know where it came from," etc. He said it was a fine morning, with the sun overhead, nearly five o'clock.

W2XAD, on 19.5 metres, was R8 at 1.30 p.m., transmitting the "General Electric" programme. Dance music was heard from the Hotel St. Regis from 2.30 p.m. till 3.30 p.m. at R9. Reception is spoilt often from 2XAD by morse right on top, the offender being, I believe, VLW, about half a mile away from the receiver.

KDKA was good volume, but spoilt bolton. by a strong roaring noise. KZRM (?), speech and music, was just audible, but not readable, on about 24.5 metres, during the afternoon.

On about 20.4 metres at 2 p.m. a woman was talking (foreigner), at R5. Appeared to be duplex telephony.

3ZC, Christchurch, was good strength but fading was bad.

I hung on to a station at 11.30 p.m. on about 49 metres, which was coming in at R5 for some time, waiting for a call. When it came it was 4QG, Brisbane. This is the first time I have had a harmonic of this Queensland station. but have heard 2BL, 2FC, and 5CL at

Sunday, July 21.

The usual programme of music was heard from W2XAD last hour from the crystal room, De Witzler Hotel, Albany.

W2XAF, same programme as above, reception not so clear or loud.

KDKA, volume good, but as clear as it could be. A special "Byrd" programme to conclude the transmission.

Was not listening much on shortwave

Monday, July 22.

TUNING in on about 32.8 metres, just after 6.30 a.m., a woman was speaking in a foreign tongue at R8, very This station went off the air almost as soon as it was tuned in. On the previous Monday a station started at the same time on approximately the same wave-length. Was not listeniper again till 11.30 p.m., when a foreigf was talking on about 20.5 metres. Strength was R7.

Tuesday, July 23.

58W at 6 a.m. R5. Rapid fade very bad, not one word of talk read-

(Concluded on page 39.)

FOR SALE OR EXCHANGE

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

MEGOHM'S 2RF Browning Drake, Oxydised Copper Shields, best components, very selective, needs audio, Leather, Burnley Terrace, Mount Eden, Auckland,

1 NEW 6 Zenith with Valves; 1 Fergustun 6 with valves; 1 Frowning Drake with valves; 3 Loud Speakers; 2 6 and 2 4-volt. A Batteries; 1 new Philips Eliminator; 1 A and B Philips Charger. Sets guaranteed, great reception and best of order. What offers? Apply "Sale," "Radio Record."

SPEAKERS.—Special purchase British General Radio horn type enables re-duction this popular model to 21/6 post paid. Superadio, Ltd., Auckland.

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PRIVATE SALE, 5-Valve Erla Set, with wet "B" batteries, 120 volts, Willard. Total number stations logged, 31. Large capacity. What "Erla," Box 1032, Wellington. What offers?

BARGAIN, 120 Volts Wet "B" Batteries, Williard, large capacity, cost, £16 10s., sacrifice £5, or near offer, owner giving up. "Willard," Box 1032, Weightstein giving up. lington.

WANTED to Buy, One "B" Eliminator. Write, stating particulars and price to M. Wood, Rural Delivery, Kim-

"B" AND "C" ELIMINATOR, dry, operate any set. Cost £11/15/-; best offer. Also "A" Battery, three months old, 57/6. Box 714, Christchurch. ROWNING-DRAKE Booster, £5.

Variable condensers, 3/-; Osram S.G. valve, 15/-. Send for list. Porter and Thornton, Te Aroha.

BARGAINS, Fada five-valve Neutro-WLW at 5 p.m. was R3-4—unsteady. Grid Four, £15; both new. Porter and I hung on to a station at 11.30 p.m. Thornton, Somerstown, Te Aroha. Porter and

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