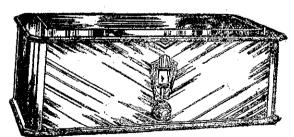


Get the GREATEST Screen-Grid Buy in Radio To-day

Radiola costs no more than an ordinary wireless set. HERE'S the biggest buy in Screengrid Radios to-day. Made by RCA, the largest radio organisation in the world and the acknowledged leader in the radio industry, the creators of the screen-grid Radiotrons and the screen-grid circuit.

See and hear Radiola 44... the instrument BUILT to give the greatest buy in Radio to-day. Sensitive and selective, it gives you power without distortion. A tonal realism that defies description . . . a beautiful compact table model.



RCA SCREEN-GRID RADIOLA 44

RCA RADIOLA

MADE BY THE MAKERS OF THE RADIOTRON

Hear it at your nearest Radiola Dealer Amalgamated Wireless Wireless
(Australasia) Ltd.

Or write to Box 830, Wellington.

Another Achievement!

Code

Sent Yellow Rec'd. . Relayed . . Blue Intercepted . White

DIOGRAM

BYRD ANTARCTIC EXPEDITION

BARQUE CITY OF NEW YORK

MSG Nr....

Prefix

CK..... Radio..... Filed M Date.....

To:

RADIO LIMITED 1 ANZAC AVE AUCKLAND

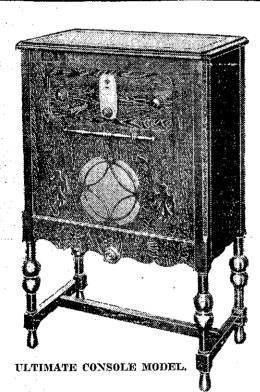
WE HAVE BEEN GREATLY PLEASED WITH PERFORMANCE OF YOUR ULTI-MATE SCREEN GRID FOUR VALVE RECEIVER EMPLOYED BOTH FOR BROADCAST AND HIGH FREQUENCIES ANTARCTIC VOYAGE ABOARD CITY OF NEW YORK.

Origin

BYRD ANTARCTIC EXPEDITION, BY MALCOLM P HANSON RADIO ENGINEER

RADIO LTD. RECEIVED MAR. 31, 1930

Answd.....



Complete with valves ready to attach to aerial

All-Electric, as illustrated £55

Combinations£75 and £90

Table Models, All-Electric ..£42/10/-With Valves.

Battery Model with Valves £27/10/-

In hazardous undertakings such as the Byrd Antarctic Expedition, only the very best appa-Highest performance and ratus is selected. utmost reliability are the qualifications on which selection is made. ULTIMATE was selected and the above radiogram shows the result. Whose opinion do you value? The world's leading radio engineer's, or a local enthusiastic salesman? DON'T PURCHASE a receiver till you've seen and heard the ULTIMATE.

The NEW 1930

TIMATE

AN ELECTRIC SCREEN-GRID RECEIVER.

Incorporating Push-pull Selector, which "cuts out" unwanted stations and interference.

Instruments in One at the Price of One

PERFECT BROADCAST RECEIVER SUPER SHORT-WAVE RECEIVER GLORIOUS ELECTRIC GRAMOPHONE

when used in conjunction with electric pick-up

The Modern Receiver must be equipped with short-wave

Free home demonstration is at your disposal. Communwith nearest Ultimate distributor or the master agents, Box 1166, Auckland. Communicate

DEALERS NOTE:

Some territory still available for representation. details before it is too late.

ULTIMATE IS FULLY GUARANTI

5,000 Listeners Record Disapproval of Rugby Broadcasting Ban

An extraordinary situation has arisen. The delegates to the New Zealand Rugby Union refused to grant an application made by the Broadcasting Company on behalf of listeners. Then, "Because the company was greatly concerned about the hospitals," the Management Committee resolved that the descriptions of the English matches could be broadcast if donations be made to hospitals! The Union takes the view that the whole question of broadcasting the matches centres round the hospitals, and that it would be a big factor to the company if the matches were broadcast. The first is wrong, the latter right, though not in the sense meant by the meeting.

Letters that have been received on the subject show that the broadcasting is eagerly looked for by listeners throughout the country, and not only those in hospitals. Everyone not in hospitals cannot attend the matches, yet they, too, have expressed concern and indignation at the Union's action. In the second place it would be a big factor for the company.

All four stations would broadcast; relay lines would have to be secured, stations would have to be on the air when they should be silent, and extra staff would be employed, and their reward—? To broadcast the matches will give Rugby football one of the greatest impulses it has yet had.



HE first application of the Broadcasting Company to broadcast commentaries of the matches in connection with the tour of the English team was refused by the New Zealand Rugby Union. Immediately the lis

tening public registered its disapproval in the form of letters of protest to the company, to the daily Press, and to ourselves. The reason advanced by the Union was that the gate takings of the smaller centres would be affected They held the view that the privilege of broad casting running commentaries should be paid for by the company.

During the Sarron-Donovan fight in Wellington Mr. G. Aldridge, secretary of the N.Z. Boxing Association, made an appeal to his un seen audience to express their opinion by writing to him. Altogether about 500 letters were received, each letter representing the views of a large number of listeners. It has been estimated that the number of opinions registered was 5000. The general feeling was one of very strong objection to the action of the Rugby Union.

Realising the amount of interest that the listening public were displaying in the matter the subject was brought up at the last meeting of the Union, and the daily Press reports the meeting as follows:—

"The Management Committee of the New Zealand Rugby Union last evening decided that if Radio Broadcasting Company of New Zealand would make a donation to provide radio sets for the use of patients in hospitals and charitable institutions, the Union would give it permission to broadcast reports of the matches played by the British team in the Dominion.

"There is a general impression abroad,' said the chairman of the Union (Mr. S. S. Dean), 'that the Management Committee are opposed to the broadcasting of matches on account of fear of pecuniary loss. This is quite erroneous, as the sending out of reports of matches will not affect us one iota. The broadcasting of matches played by the New Zealand team would affect other unions, with the result that when Test matches are played these unions' gates would suffer. Quite a number of unions have written to me on the subject. However, as the Radio Company have expressed such concern

for patients in hospitals, I move that we write asking them whether they are prepared to make a donation for the privilege of broadcasting the Test matches, the donations to be set aside to provide wireless sets in hospitals and charitable institutions. The Test matches will be a big factor to the Radio Company, and they should be prepared to make a donation for the privilege of reporting them.'

"Mr. H. S. Leith seconded the motion.

"Mr. T. A. Fletcher said the chairman had set out the position fairly and clearly. The

Extract from a letter to Mr. Aldridge: "I might mention that owing to the great advertisement the fight had at New Plymouth through your splendid description, there was a big crowd went over from here especially for the Wellington fight. This is in itself a proof that broadcasting does not keep people away, but, on the contrary, excites interest and a desire to see personally what has been described. It is, in fact, a jolly good advertisement. I hope to have the pleasure of thanking you personally in Dunedin. I am certainly going to see the next match."

Union's offer would test the sincerity of the Radio Company.

"The motion was carried unanimously.

"The North Taranaki Radio Society wrote, asking the New Zealand Union to facilitate the broadcasting of the principal matches during the coming season.

"The Buller Union wrote, stating that they were in favour of the matches of the British tour being broadcast where possible, as they would not have the opportunity of seeing them play."

Newspaper Comment.

THE question of the broadcasting of the matches to be played during the forthcoming visit of the English Rugby team has been the subject for considerable newspaper comment.

The "Otago Daily Times" states:—"The chairman of the Otago Rugby Union said the delegates might give a lead on the question of broadcasting matches to the Union's delegates, who would be appointed to attend the annual meeting of the New Zealast Rugby Union. He personally would allow all matches to be broadcast. (Hear, hear!) They might lose revenue,

or they might not, by broadcasting, but it would certainly help to sustain interest in the game. There might be just a fear that commercialism was becoming too prominent an aspect in their game, to the detriment of the game for the game's sake. (Hear, hear!) He would move that it be an instruction to their delegates to the meeting of the New Zealand Union to support the broadcasting of the matches with Britain. It was also decided that so far as Otago was concerned, permission be granted to broadcast all matches."

The "Christchurch Times" on Friday last devoted a leading article to the matter. The editor wrote in the following strain, under the heading "A Point in Advertising":—

"The New Zealand Rugby Union seems to have slipped into deep water in its little argument with the Broadcasting Company over the broadcasting of reports of the international football matches this season. Its first view, that the broadcasting of reports would prejudice the attendance of matches, was understandable enough though rather shortsighted. But whatever case it had in this respect it abandoned when it offered to allow the broadcasting of reports on condition that the Broadcasting Company provided receiving sets and apparatus for hospitals.

"The Broadcasting Company, of course, is as much concerned with the provision of receiving sets in hospitals as newspapers are with the provision of spectacles for elderly readers. And we should imagine that the radio dealers and the opticians would have their own views on this matter. What interests us, however is the point that may appeal, probably, neither to the Rugby Union nor the Broadcasting Company, but it appeals to a newspaper and a newspaper's readers. If the example of the Rugby Union were followed, we should have the reporters excluded from playing fields on the ground that people might prefer reading the reports to seeing the matches.

'The fact is that whatever tends to stimulate public interest or to widen the interest in events or in any business must have the general effect of inducing people to become enthusiasts in the one case or purchasers in the other. This is the broad truth behind all publicity campaigns, and it is the justification for probably 90 per cent of the world's advertising. We are glad

Welcome Thousands of N.Z. "Listeners-in" who own one of the famous Browning-Drake Battery Receivers will welcome this announcement releasing-

THE NEW 1930

BROWNING-DRAKE

ALL-ELECTRIC SCREEN GRID 9-VALVE RECEIVER

Ask any Radio Listener or Battery Set Owner, "What is the most famous battery receiver?" reply will be, "Browning-Drake." Manufacturers have now produced a perfect all-electric receiver.

Here are some of the features:--

Mershon Trouble-proof Condenser which automatically seals itself if accidentally short-circuited.

Each set tested to insure perfect reception under individual conditions in every locality.

Special dynamic speaker enabling you to regulate tone, without distortion, from full volume to a whisper.

Voltage Regulation Adjustment (manual).

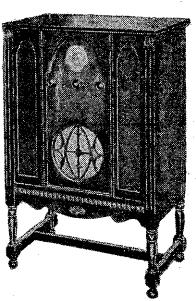
Five funed circuits using nine

Tuned antenna.

Push-null audio.

Power detection (optional).

Band-pass filter effect.



MODEL 54.

9-Valve Screen Grid All-Electric Receiver.

This handsome console will add dignity and charm to the finest home.

The cabinet is of finest selected walnut and American gumwood with high lighted Duco finish. Single Dial control. Electro-Dynamic Speaker.

Price, complete with the famous ARCTURUS Guaranteed Valves, ready to attach to aerial.

Main Ports £48

Inland and Outports £49

You'll regret it if you purchase a Receiver before Seeing and Hearing the-

BROWNING-DRAKE

THE RECEIVER WITH A PEDIGREE.

Over 1,500,000 People listen in daily on BROWNING-DRAKE Radio Sets.

If any difficulty in arranging demonstration communicate with:-

FACTORY REPRESENTATIVES, P.O. Box 1166, Auckland

DEALERS' NOTE-Some Territory still open for Representation.

Rugby Broadcast

(Continued from front page.)

to have the opportunity of discussing the point, because the attitude of the Rugby Union authorities expresses the view held by the majority of people who are not actively concerned in publicity and advertising in one form or another.

"The Rugby Union simply expresses in another way what was probably in the mind of the Racing Conference when it placed a ban on the broadcasting of racing events. If we were to take the same view we should op-If we were pose the broadcasting of racing and football and other functions of public interest in the fear that it might prejudice the sale of newspapers. Actually, we take the opposite view, that the more public interest in events is stimulated, the greater is the demand likely to be for printed reports.

"Most people have had the experience of reading the account of an exciting struggle on the football field and lamented the indifference that caused them to miss seeing the actual game. We should imagine the best possible advertisement the Rugby Unions could have for the matches with the British team would be found in broadcast and printed reports of the early games of the tour.

"Technically, broadcast accounts of football matches would be regarded by a publicity expert as highly useful institutional advertising. That is to say, it would tend to create a wider public interest in the game of football, and that is presumably one of the reasons for the existence of the Rugby Union. Of course the Rugby Union authorities are not singular in their ignorance of the psychology of publicity, and it is not merely for their benefit that we are making this comment. The lesson is one to be learned by everyone concerned in the management of affairs."

Over the Air.

WITH respect to the large amount of correspondence received on the subject, Mr. Aldridge spoke from 2YA

on Saturday last,

"Ever since Saturday last communications have poured in. First of all let me thank those who bombarded me with over a hundred and fifty telegrams. These reached me either during or immediately after the broad-Then there were the lettersover 450 of them to date, and still coming by every mail-splendid letters they are, too. Being busy, I could not attempt to acknowledge all these individually, much as I should like to

do so. However, the Broadcasting Company has kindly undertaken to do this for me, so that in due course ever one who telegraphed or wrote to me will receive a written acknowledgment. I have described the letters as splendid. I wish you had them in front of you, for it would do your hearts good to read them. It would take me all night, and longer, to read them to you. The letters, taken as a whole, sum up the views of all classes and conditions of people. Among the writers are doctors, lawyers, clergymen, business men, farmers, way-back settlers, quite a considerable number of ladies, and inmates of hospitals and other institutions. A more thoroughly representative summing up of public opinion one could not desire.

"Speaking, I honestly believe, for many thousands of listeners throughout New Zealand, these hundreds of

writers say:-

We earnestly desire the privilege of being able to listen-in to descrip-tions of sporting events which it is our ill-fortune not to be able to wit-ness. We want the next best thing to a first-hand thrill; we believe that our circumstances entitle us to this privilege, and we appeal to the highest sporting instincts of all sports authorities to see that we are not denied this boon.

"This is an absolutely fair summary of the sentiments expressed by these hundreds of listeners who have written to me. And, let me add that out of all these hundreds of letters there were only four from Wellington, and two of these were from hospitals! The significance of this fact is obvious. Those who were interested in the fight, and were living near enough to get to it, got to it!
"And so it will be every time.

lover of Rugby, for instance, is not going to be content to listen to a description when it is at all possible for him to see the actual play. To this the letters I have received bear eloquent

testimony."

During his talk, Mr. Aldridge addressed himself to Mr. Dean, "who," he said, "has gone over to Kapiti Island for the week-end to escape the constant questioning," but he is little better off, for there are two radio sets over there. The speaker went on to say that Mr. Dean was a sport who knew from personal experience what the broadcasting of sporting events meant and that he was personally in favour of broadcasting. But Mr. Dean thought it should be paid for, here his suggestion to the company. As M Aldridge was not one of the Broadcasting Company's paid officials, he had no intention of dwelling on the He viewed the matter suggestion. purely as a sport and was appealing on behalf of sports who could not attend the events they would like.

RADIO SERVICE

Phone 28-818 Phone 28-818 Weston Testing and Servicing Instruments enable us to offer modern and efficient Radio Service and Repairs to all types of Radios, Bat-tery or All-Electric Sets.

All classes of Radio Constructional Work successfully carried out.

Moderate Charges. Satisfaction Guaranteed.

Ring 28-818 and we will Call.

GREEN & DIXON

Rooms 11-12 Automobile Chambers, Taranaki Street, Wellington.

The Correspondence.

THE 500 odd letters altogether received come from Bluff to the far north, and indicate that everywhere the unpopular ban is the topic of conversation. All the letters expressed great admiration of the broadcast, and their writers were keenly interested in the future of sports broadcasting.

Most represented large numbers people, and, as several letters state, from 30 to 80 were listening in, it can be estimated that each letter represents the expressed opinion of at least 10 peoplea total of 5,000. This is significant: 5,000 people expressed directly their sistes to have broadcastings of sports ontinued.

The letters themselves are interesting, as they bring out some points of view that should be carefully studied by the Rugby Union. The union are members of the sporting public as are those who are corresponding. As representative of a great body of the people the feelings of that body must be considered or their representation is only a matter of office-not of true responsibility to the public.

In general, the letters came from four classes:

1. Those who are isolated or detain-

ed, but who wish to attend.

2. The maimed, sick, and disabled in and out of hospitals.

3/ Officials of other sports bodies.

Those whose enthusiasm has been whetted by the broadcasts and who intend to witness the sport when the opportunity occurs. This class includes many ladies.

A few extracts from the letters received will tell the story for themselves.

The isolated: "Perhaps if some of the delegates living three miles along a clay road in the back-blocks had to depend on wireless for their entertainmetn they might reconsider their de-cision."—"Would suggest you send some of the delegates up here and we will

Matthew Passion St. Music

To be Broadcast from Christchurch

ON Good Friday evening, at 7.30, 3YA will relay from Christchurch Anglican Cathedral the presentation of "The St. Matthew Passion," Bach's This will be sung by the full cathedral choir. Dr. J. C. Bradshaw will be musical director and organist.

Bach has put into his musical setting of the Passion of Jesus a wealth poignant meaning, and yet he treats the story so simply that there is nothing any listener cannot understand-nothing of which he cannot at once feel the power and the truth. The composer aims at making every hearer a participant in the events his music depicts.

The narrative is unfolded in solos and choruses. Every now and again are interpolated "chorales"—verses of Lutheran hymns, commenting on the story, and these are intended to represent the emotions and reflections of us listeners as we picture ourselves among the crowds looking on at the events described.

The protagonists of the drama are: the Evangelist (tenor), who gives the connecting narrative; and Jesus (whose words are sung by a bass). voice of Peter is also heard in a few sentences. There are solo portions, commenting on the story sung by a soprano, an alto, a tenor, and a bass.

miles of this distance is mud road, mail back here on the day of the Test matches.3

The maimed, sick, and disabled: "I find a job for them in the bush this was unfortunate enough in stopping winter."—"Do you think the price of more than my share from a Fritz mathe best seat would have held me from chine-gun, and am now disabled. I canthe contest-No."-"We live 17 miles not attend sports to any extent, so back from the nearest township and six these broadcasts are a God-send."

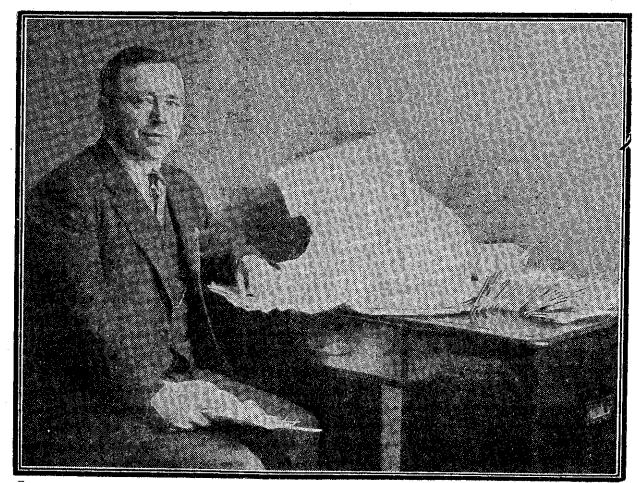
"I have been a keen supporter of the weekly. Wireless is the only thing game for over 40 years, as a player, secre-that makes life endurable. I should tary, captain and president of my club; like to plant a few of the R.U. officials referee, member, and vice-president of the Bush Districts Union, sole selector for same, delegate to referees' conference, and the union's representative at the memorable send-off to the 1905 All Blacks in the Wellington Town Hall. I have made considerable financial sacrifice in the interests of the game generally. It the interests of the game generally. It now seems hard that, being unable to at-

tend matches through spinal injury, I am to be denied the pleasure of listening-in."

From Wanganui Hospital an appreciation, and "these broadcasts are heartily appreciated," signed by "Ward Three." A delegate of the "Old Men" at Park Island Home, Napier: "Our ages range from 60 to 90; we have little chance of seeing a match. Your efforts to have all sport broadcast is a fine idea." Thirty-two members of the Upper Sanatorium, Cashmere Hills, Christchurch, sign an appreciation-"Surely the R.U. do not wish to penalise the sick. Were we not sick radio would not keep us away," and so the tone of the remaining letters from hospitals in all parts of the country. In almost every case radio is only a means of appeasing a great desire to be present. Other appeals come from individual sufferers who could not attend. There was a note from a player who was included in the team that toured New South Wales in 1884, one from a blind sufferer whose only contact with the outside world was radio. The chairman of an institute for the blind wrote on behalf of those under his care.

The tone of the letters from other union officials and interested listeners was one of indignation and surprise that their delegates should take upon themselves the unwarranted power to deprive them of the broadcast. "Any party of men holding temporary pointments as an executive should remember that they are there to do anything in their power to further sport and promote interest in it. The council are merely representative and

(Concluded on page 25.)



Mr. George Aldridge, secretary of the New Zealand Boxing Council, who described the Sarron-Donovan fight through 2YA. Mr. Aldridge appealed to listeners to support sporting broadcasts in view of the possible ban upon Rugby Test matches, and has received hundreds of letters endorsing the value and interest of sporting descriptions "over the air."

—S. F. Andrew, phote.





Take no chances -TICKETS TODAY!

ART UNION

Closes definitely on SATURDAY, 26th APRIL

irst Prize You'll be Sorry if you Miss it!

1st Prize £2000 2nd Prize £500 3rd Prize £250 4 Prizes of (each) £100 4 Prizes of (each) £50 4 Prizes of (each) £25 20 Prizes of (each) £10 70 Prizes of (each) £5 105 PRIZES - Value £4000 ALL PRIZES IN ALLUVIAL GOLD

Secretary and Treasurer:
NEIL McARTHUR,
P.O. Box 110, Wellington.
Tickets obtainable at all Tobacconists,
Newsagents, and other retail shops,
or use the Coupon.

OBJECTS:
For the purpose of raising funds for the purchase of Acrodromes, Plant and Machines for the Wellington and Wairarapa Acro Clubs.

TRUSTEES:
Messrs, T. C. A. Hislop, D. J. McGowan,
D. Gibbons, Godfrey Magnus, L.
A. J. Lonergan, T. Forsyth, J. Stellin.

Closes

April 26

Drawn

May 17, 1930

NEIL McARTHUR,

District Agent, P.O. Box 110, Wellington.

Please send me_______in the "AVIATION" ART UNION. I enclose remittance of ...

Tickets 2/6 each, or Book of 9 for £1. (Enclose stamped addressed envelope for reply,)

Address

REALISING the growing need for a universal language to cope with the broadcast and sound film problems, N. M. Bell, M.A., B.D., lectures regularly from 3YA. Following is one of his talks which outlines the need for Esperanto and explains the fundamentals.

A LTOGETHER about 100 Esperanto newspapers and periodicals are published, and I should like to read you one or two items from one of them this evening. The one I have chosen is "La Suda Kruco" (the Southern Cross), a little monthly paper published in Melbourne, in the January issue of which may be found the following paragraph about Esperanto in our own country of New Zealand.

An Important Announcement.

REPLYING on November 27, 1929, to (an inquiry made by the New Zealand Esperanto Association regarding the teaching of Esperanto by departmental teachers to children of the primary schools outside of ordinary school hours, the Director of Education, Wellington, N.Z., stated:

"I have to acknowledge receipt of your memorandum of the 22nd inst., and in reply have to say that, subject to the by-laws of the Education Board, a teacher might form in his school an Esperanto class for his pupils out of school. hours. Of course, attendance at such a class would be subject to the approval of the pupil's parents.

Wanted---Universal Language!

Esperanto Lecture from 3YA

"Subject also to the by-laws of the board, the school may be used out of school hours, on such terms as the committee (school) may prescribe." ("La Suda Kruco," January, 1930.)

From this it appears that any State teacher at any rate can now form an Esperanto class in his own school in New Zealand, if he so wished.

I suppose most people who study past history will conclude that most of it is decided by economic motives. How does this apply to Esperanto? During the last 40 years Esperanto has gradually gained in strength, and possibly 1,000,000 people have become more or less acquainted with it. That it is still gaining in strength, by the way, is sufficiently proved by the fact:

First, that the some 200 attempts at a universal language since the XVII century, Esperanto alone shows sign of such vigorous life that it can hold annual conferences which some 1500 delegates from all parts of the world now take part; and secondly, that the Esperanto library of the Universal Esperanto Association in Geneva now contains some 7,500 different volumes of translations from all languages or

of original works, showing that on an average one new book a day has been published in Esperanto since 1920; and thirdly, that the radio stations of Europe, for example (such places as Cologne, Paris, Moscow, Bern, Turin, Vienna, Brussels) have regular Esperanto broadcasts of various kinds).

Advent of the Talking Film.

New Zealand, if he so wished. Following is a conversation between I suppose most people who study a well-known film director and the past history will conclude that most delegate of the Universal Esperanto Asof it is decided by economic motives. sociation:—

Delegate: "Why are you now more interested in our universal tongue?"

Director: "I have not had much time for Esperanto. I did not need the language. Now that the talking films are so much appreciated throughout the world, a new problem has arisen. It is a problem of our continued existence, of our success in Europe. The English language is not wanted on the Comtinent of Europe. A universal language is absolutely necessary for our new films. It is a matter of money. If the films cannot be used in Europe, our profits are less."

Delegate: "American films could be shown at least in Britain, couldn't they?"

Director: "Yes, but you must remember that our American English is not very pleasant to a great many Englishmen. We have, in addition, many idioms which are not understood by Britishers. In Britain they have other idioms which we don't understand. And it is the idioms which give spice to a language. The English of British films will not be liked by most American people. But besides all that, we don't wish to lose the patronage of Continental Europe and of other countries."

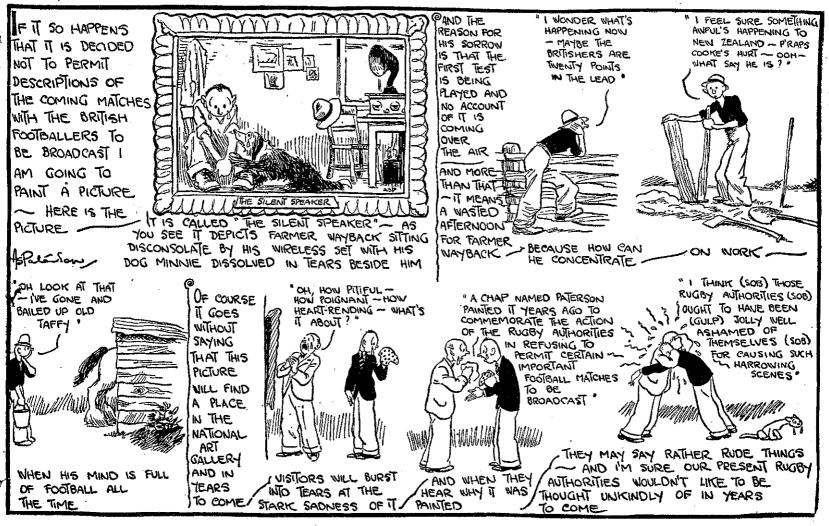
Delegate: "A universal inaguage is the simplest and most logical."

The Esperanto Alphabet.

IN a perfect alphabet there would be one separate sign for each separate sound. In English, we have five vowel signs, a, e, i, o, u, to represent 20 different sounds, which again may be speit in 190 different ways. This makes English such a difficult language to learn. Only a phonetically written English would appears to have much hope of ever becoming an international language.

In Esperanto we have five vowel signs which by themselves or in combination represent all the Esperanto vowels.

(a) For example, the English sign "a" is one of these five, being pronounced like the "a" in "ma," not like the "a" in "rat" or "tall" or (Concluded on page 25.)



The New Zealand

Radio Record

-AND-

Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX. 1032, WELLINGTON.

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

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

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

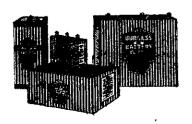
RADIO PUBLISHING COMPANY OF NEW ZEALAND, LTD., P.O. Box 1032, WELLINGTON.

WELLINGTON, FRIDAY, APRIL 11, 1930.

SELLING A "DUMMY" TO THE PUBLIC.

POSSIBLY the best way to describe the latest offer of the Management Committee of the New Zealand Rugby Union, in connection with the broadcasting of the British matches, is to say that it is an effort to sell a "dummy" to the public and side-step the issue. The problem is not a forced charity from the Radio Broadcasting Company. It is the plain, common-sense proposition of giving the public what it wants, viz., the broadcast of the important British matches.

WE imagine that the public clamour has sufficiently demonstrated that distinct unpopularity will attend the refusal of the Rugby authorities to permit those matches to be broadcast. The refusal was first based upon the ground that the financial returns of the outside unions would suffer through their public staying at home instead of attending their club matches. The public has interpreted this as a fear on the part of the authorities that the gates of its own matches would suffer because of the broadcasts. It is pleasing to have the assurance of Mr. S. S. Dean, chairman of the Management Committee of the Rugby Union, that this is unjustified-that they admit that their own financial returns will not suffer "one iota" because of the matches being broadcast. Their concern is wholly based upon regard for the gates of the outside unions. Curiously enough those outside unions do not share the fears of the Management Committee. So far as Press reports show, we think a majority want the broadcasts and are not afraid of them. Possibly they take the view-which we think the right one-that the prime purpose of the touring team is to improve the standard of Rugby play in New Zealand, and that this purpose will be best served by securing that the largest possible number of both players and supporters shall follow the course of the matches, either visually or by means of radio. It goes without saying that those who can see the stirring contests will do so. There remain those who cannot see the matches



BURGESS RADIO BATTERIES Radio is their best servant. A running description will convey the course of the play, the finesse, the results far more quickly and more effectively than any other means. Are the people to be denied that privilege?

THE suggestion that the right to broadcast the Rugby matches should be dependent upon a forced donation to charity by the Radio Broadcasting Company is not, we think, fair. From the Press reports of the Rugby authorities' suggestion, it is not clear how extensive a donation is expected. The statement was made that a donation should be asked to equip the hospitals and charitable institutions throughout New Zealand with receiving sets. We can scarcely credit that that suggestion is to be taken literally. Examination of the Year Book shows that there are 132 general hospitals and sanatoria, 104 charitable and benevolent institutions, 305 private hospitals, and seven mental hospitals, housing a total of about 22,000 people. To equip these 548 institutions with radio, having regard to their scattered situation throughout the country and their consequent need of high-class equipment, could not be done at a lower average than £150 apiece. This will absorb a capital of £81,000. That figure in itself shows, we think, the merit of the proposal.

THAT objection in itself meets the situation, but there is a further objection, viz., the principle that is involved. Why should radio be singled out of all the means of publicity for a demand for monetary, payment? Apparently it is because the service of the Radio Broadcasting Company is paid for by the listener. But the newspaper reader also pays for the service he gets from the daily Press. The daily Press makes its profit by supplying its readers with news and the sale of advertising space. Unquestionably reports of football matches contribute to the revenue of the Press. But is the Press asked to pay for the privilege of reporting those matches? If the Rugby authorities wish to be logical, we suggest that they put all publicity means on the same level and ask the Press to pay handsomely for the privilege now given them. Such a course would be illuminating in its reactions. It would be quickly shown that the service rendered to the cause of sport by the Press is very considerable; that the Press can exist without the sport, but the sport can hardly thrive without the Press. The analogy may be extended into radio. It is demonstrable that sports thrive in direct ratio with the publicity given them. The most illuminating example is boxing. The Sarron-Donovan fight at Kilbirnie Stadium attracted the huge attendance it did partly because of the thrilling nature of the broadcast of the fight at New Plymouth previously. That description whetted the appetite of those who heard it and who could not attend. Hence the Kilbirnie Stadium was crowded out. Radio thus directly contributed to the monetary reward of the Wellington Boxing Association for staging the fight. We have not, however, heard that the Radio Broadcasting Company has asked for any share of those profits. Neither, we imagine, will the Broadcasting Company suggest to the Rugby Union that the union should pay for the broadcast publicity it will receive over the air—provided the matches are broadcast-although those broadcasts will unquestionably whet the appetite of distant listeners and make them insistent upon seeing their local matches.

THE policy of the Radio Broadcasting Company is to broadcast matters of public interest where there is sufficient public demand for the service. It is a medium of transmission, and cannot undertake the responsibility for promoting or supporting sports events. It is simply in the position of a reporter of events already organised. If those controlling those events wish them broadcast, and they are of sufficient public importance to warrant being broadcast, then the Broadcasting Company is prepared to give that service. The issue in this matter lies between the Rugby authorities and the general public. The Company has made it plain what its attitude is: it is prepared to render the service if permission is granted. If that permission is not extended, the Company, in duty to its listeners, will naturally provide the best service possible as an alternative. With that statement of the position, we think the public may well ignore the "dummy pass" about charity. More particularly as, if taken literally, the proposal of the union means that they will deliberately deprive all those immates of hospitals and kindred institutions of the privilege of listening-in to the British matches, unless the Broadcasting Company equip all other institutions similarly. In other words, they are prepared to penalise many hundreds of sick and suffering people in a vain endeavour to put the Broadcasting Company in a false position.

Overseas Artists

Mr. Harris and Miss Smith

IN June New Zealand listeners will hear Mr. Barend Harris, a wellknown Australian broadcasting artist. will fulfil engagements with the Broadcasting Company.

Mr. Harris has an exceptionally fine bass voice of great range and excellent quality, and is one of the most popular radio artists in Sydney and Melbourne. He sings folk songs in Russian, Hebrew and Yiddish, besides singing in Italian and English. He has a vast repertoire.

I ISTENERS-IN to 4YA have recently had the pleasure of hearing a Shmith, contralto. Miss Shmith arrived in Dunedin last month and will spend a few months in New Zealand before extending her tour to America.

She is a very versatile artiste. She does not confine herself to one type of ballad, but is able to render operatic or oratorio excerpts, or a lilting foxtrot, with equal facility, thus making her an ideal artist for a country tour. Though she is remarkably successful in all her numbers, she naturally shows to great advantage in songs of her own composition, which have enjoyed a great popularity both in Australia and overseas.

Miss Shmith has been broadcast since the early days of radio, and is a very popular performer not only in

Mr. Rex Harrison

Sunday Recital at 3YA

make his third appearance before the vile programme. make his third appearance before the Christchurch microphone on Thursday, April 10. He will then sing the prologue to "I Pagliacci" and "Oh, Night, Oh Love" (by Sanderson).

Mr. Harrison's fourth appearance to the programme.

No. No. Programme.

Numerous lectures were mentioned:

two by Mr. Alf. Rady on the history of musical instruments; a talk on cremation; talks by Mr. Richmond on "Life and Labour in the Nineteenth Century and Labour in the Ninetee

I. His items will be:— "Abide With Me."

"The Blind Ploughman."

"From the Land of Sky Blue Water." "Far Off I Hear a Lover's Flute."

"The Moon Drops Low." "Hark What I Tell to Thee" (Spirit

Song).

"It is Enough," from "Elijah." Mr. Harrison's voice is a sheer delight to all who hear it. It is a true baritone, and he presents his songs with

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OVER 53,000

Show Healthy Increase Licenses

known Australian broadcasting artist.

The licenses issued at the end of February, 1930, total
While on a visit to New Zealand, he 53,183, and are distributed as under:—

DISTRICT			CL <i>A</i> Transmittin	ASS.			
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Wellington	****	21,237	75	472		. 1	40
•		51,588	202	1.176	3	-	213
					<u></u>		~10

1YA Musical and Dramatic Committee

Equipping Cars with Radio

A Year's Work

A Standardised Feature

A MEETING of the 1YA Musical and Dramatic Committee was held on Friday, March 14.

Present: Messrs. F. McCallum (Little Theatre Society), C. B. Plummer (Auckland Choral Society), J. F. Montagu (Auckland Comedy Players), N. M. Richmond (Workers' Educational Association), V. Trask (Athenium Club), L. C. Barnes (Station Director), O. M. Pritteld, M. C. Barnes (Parameter), Apple Australia, but to those New Zealand chard (Programme Organiser). Apololisteners who tune in to the overseas gies for absence were received from Mr. Atkinson, Mr. Chappell, Mr. Tait and Miss Walker. Mr. McCallum was elected to the chair in the absence of Mr. Atkinson.

Discussing proposals for the future, Mr. Barnes referred to the Hadyn Even-ing, Wagner Evening and Brahms Even-graphic bad have grapped for There ing which had been arranged for. There would be a concert by the choir on April 8, and, incidentally, all the soloists would be members of the choir. That week MR. REX HARRISON, baritone, who has already fulfilled two of his grammes arranged by Mr. Lew James of four engagements at 3YA, and delighted "Potash and Perlmutter." These would his audience on each occasion, will be a play "Give and Take" and a vaudewill be represented by Mr. Lew James of These would be a play "Give and Take" and a vaudewill be represented by Mr. Lew James of the choir. That week also there would be two interesting programmes arranged by Mr. Lew James of the choir. That week also there would be two interesting programmes arranged by Mr. Lew James of the choir. That week also there would be two interesting programmes arranged by Mr. Lew James of the choir. That week also there would be two interesting programmes arranged by Mr. Lew James of the choir. That week also there would be two interesting programmes arranged by Mr. Lew James of the choir. The week also there would be two interesting programmes arranged by Mr. Lew James of the choir. The week also there would be two interesting programmes arranged by Mr. Lew James of the choir t

Mr. Harrison's fourth appearance t and on the Problems of Capital and (asymptotic) and on the Problems of Capital and (asymptotic) falls on Maori pronunciation, on stamp collecting, on tramping clubs; tall. His items will be:—

tall Bandur in the Matter Century and on the Problems of Capital and (asymptotic) falls on Maori pronunciation, on stamp collecting, on tramping clubs; talls of the Matter Century and on the Problems of Capital and (asymptotic) falls on Maori pronunciation, on stamp collecting, on tramping clubs; tall the Matter Century and on the Problems of Capital and (asymptotic) falls on Maori pronunciation, on stamp collecting, on tramping clubs; tall the Matter Century and on the Problems of Capital and (asymptotic) falls on Maori pronunciation, on stamp collecting, on tramping clubs; tall the Matter Century and on the Problems of Capital and (asymptotic) falls on Maori pronunciation, on stamp collecting, on tramping clubs; tall the Matter Century and on the Problems of Capital and (asymptotic) falls on Maori pronunciation, on stamp collecting, on tramping clubs; tall the Matter Century and the lish music.

As this was the last meeting of the present committee, Mr. Len Barnes took occasion to express his personal thanks occasion to express his personal thanks to the members for the help they had given him. He said that he had enjoyed working with the committee. He had had experience as a committeeman, having served on 2YA Musical and Dramatic Committee, and he appreciated the position from that point of view. He added that he had come up to Auckland as a stranger, and he was gratea rare sense of interpretation, while his enunciation is perfect.

land as a stranger, and he was grateful for all the help the committee had given him. He welcomed members of the committee along at the studio at any

> The committee in turn passed a vote of thanks to Mr. Barnes for the good work he had done during the year and expressed pleasure at having had the opportunity of working with him.

The first meeting of the new committee will be held on Friday, April 11.

SINCE radio as a means of entertainment first gained popularity in the

United States, some seven or eight years ago, there have been isolated cases where automobiles have been radio-equipped. These early examples, however, were more of a novelty than anything else, and their use was restricted more or less to purposes of advertising. There were too many technical difficulties to be overcome, and the cost of intensive experimental work was not recognised as commensurate with the likelihood of immediate public demand. In recent years radio has developed from a novelty and luxury to something closely approaching the indispensable.

The phenomenal expansion of the radio industry is something unmatched except by the amazing development of the automobile industry. The product of each has become an item of paramount importance to nearly every family, and the possibility of combining the advantages of radio and the automobile has long since been considered by far-visioned car manufacturers; and now radio equipment for motor-cars and omnibuses is a standardised feature of the products of many leading American automobile manufacturers.

Radio as a Life-saver

A STRIKING example of the value of the wireless direction-finder in saving life at sea is reported in wireless message from New York which states that when the liner Fort Victoria was sunk in a collision tugs were brought alongside in thick fog by following bearings given by the direction-finder installed in the Fort Victoria. The 280 passengers and the whole of the crew were transferred without confusion or panic to other craft in thick fog. This in itself is a striking justification of the policy which is being rapidly developed by British shipowners of fitting all their ships with the wireless direction-finder.

An Amusing Incident

What's in a Name?

MR. L. CURRY, announcer at 4YA, is at present on holiday leave. Mr. D. W. Wrathall is acting in his stead.

Mr. Curry is the gentleman who earned some notoriety throughout Australia and further afield during the two-way conversations with New York.
Mr. Hitt (2XAF, Schenectady):
"What is your name?"

Mr. Curry: "4YA, Dunedin, New Zea-"No, we want the name of the an-

nouncer," "Curry," said Mr. Curry.

"Beg pardon, we did not get that." "Cu v."

C-U-R-R-Y. Something "Curry! hot. You eat it with rice. Curry!" Eventually the name got through, and 2XAF said: "We sure enjoyed your

The incident was picked up by numerous listeners, who the enjoyed overhearing the joke. thoroughly

Personal

MR. A. WALMSLEY.

MR. A. WALMSLEY, the Dunedin tenor, who has recently returned to New Zealand from England, where he attained great success as a member of the Carl Rosa Opera Company, will sing on Sunday night at 4YA. His items will be "Deeper and Deeper Still" and the aria "Waft Her, Angels," from "Jepther," by Handel, and O'Hara's famous "There is No Death."

The remainder of the programme will be provided by Miss Molly Vickers and the Kaikorai Band ,whose most interesting items will be "Schubert's Works," a composition comprising all of Schubert's most popular works, and a composition of English part songs by Rimmer. Listeners have a rare treat in store for them on this occasion.

Mr. Walmsley is a personal friend of Peter Dawson, of whom he relates an amusing anecdote. Mr. Dawson, it appears, is of no mean size, and in consequence has to regulate his diet for the sake of his artistry. He is extremely fond of cream, which liking he shares with Mr. Walmsley, a true New Zealander. Thus, whenever Mr. Walmsley went to dinner with the Dawsons, Mrs. Dawson was wont to put a small dish of cream on the table. The visits grew more and more frequent-Mr. Peter Dawson ringing up Mr. Walmsley to come to dinner "as he wanted some more cream!"

A Record Mystery

QUITE a number of listeners have been mystified during the presentation of dance programmes from 2YA at the way several records are sometimes played with no perceptible break between. The mystery is dispelled when it is known that two turntables and two pick-ups are utilised in such a way that at the conclusion of one record another is instantaneously switched on. Apropos of this, a listener rang up 2YA recently and humorously inquired if they were using a cartwheel for a record,

Books to Read

C. N. Baevertz Recommends the Classics

MR. C. N. BAEYERTZ, the ex-New Zealander, whose "Philosophic Zealander, whose "Philosophic Thoughts from Bacon to Bergson" form the subject matter of his twenty minutes' address from 2BL every Sunday at 5 p.m., has received numerous requests from listeners for a list of the books he recommends for good According to Mr. Baeyertz, this is a wonderful world for books. We should make it a rule to do at least one hour's good reading every Reading aloud is a great help, and there is no need to have an audience for this. Mr. Baeyertz recommends just getting into a room and reading aloud to ourselves. It is one of the surest way of making a book live and getting to the heart of it. Read carefully, correctly, and with all possible expression as if we are reading to an audience. Most of the time high joys of life cost next to nothing. Books are our silent friends, and, as Ruskin says in "King's Treasuries," "books are as treasures to kings."

Mr. Baeyertz recommends the following list to those in the queest of mind improvement and which give a broad conception of life from the beginning of time:-

Peato, St. Augustine, Pascal, Virgil, Aristotle, Fenelon, Euripides, Voltaire, Spictetus, Dante, Rousseau, Horace.

translations may be bought at small

cost.
Coleridge, "Biographia Literaria";
Darwin, "Origin of Species"; Bunyan,
"Pilgrim's Progress"; Shakespeare; the
Bible; Homer; Chaucer, "The Canterbury Tales, "The Arabian Nights;"
Lane's translation for general reading; Boccaccio, "The Decameron"; Sterne, "Sentimental Journey"; Carlyle, "Past and Present"; Plutarch's "Lives"; Mon-

taigne's "Essays"; Lamb's "Essays of Elia"; De Quincey, "Opium Eater"; Hazlitt, "Essays"; Emerson, "Representative Man"; Landor, "Imaginary Conversations"; Herodotus; Arnold, "Essays in Criticism"; Tacitus; Bourrienne, "Napoleon"; Walton, "The Compleat Angler"; Boswell's "Johnson"; Green, "Short History of the English People": poleon"; Walton, "The Compleat Angler"; Boswell's "Johnson"; Green, "Short History of the English People"; Pepy's Diary; Evelyn's Diary; Walpole's Letters; Moore's "Byron"; Southey's "Nelson"; Hogg's "Shelley"; Lewes's "Life of Goethe"; "Meditation of Marcus Aurelius; Forster's "Dickens"; Browne, "Religio Medico"; Sir Walter Scott, all his books are good for occasional browsing; George Elliot, "Adam Bede" and "The Mill on the Floss"; Cervantes, "Don Quixote" (this is one of the true wonder books of beauty and allure); Defoe, "Robinson Crusoe"; Swift, "Gulliver's Travels"; Richardson, "Clarissa"; Fielding, "Tom Jones"; Goldsmith, "Vicar of Wakefield"; Dumas, "The Three Musketeers"; Balzac, every-Goldsmith, "Vicar of Wakefield"; Dumas, "The Three Musketeers"; Balzac, everything; Thackeray, "Vanity Fair"; Charlotte Bronte, "Vilette"; R. L. Stevenson, all; George Meredith, all, but not all at once, begin with "Richard Feveral"; Dickens, "The Pickwick Papers," "Martin Chuzzlewit," "David Copperfield"; George Sand, "Consuelo"; Thomas Hardy, all; Charles Reade, "The Cloister on the Hearth"; Fitzgerald, "Omar Khayyam"; Froude's "Carlyle"; Shelley, Byron, Wordsworth, Burns, Coleridge, Milton, Tennyson, Browning, Keats, Swinburne, Bridges, all the Elizabethan and Restoration poets and linbethan and Restoration poets and lin-

A Great Record

across the American Continent, a These are all called classics. Good distance of about 9000 miles. Reception by Mr. Edmund Walbrecht, of Dover, New Jersey, has been confirmed.

A listener in Nebraska happened to tune in to 2YA during the broadcast from the ringside at Wirth's Circus. He did not know that it was a relay from a circus tent and he thought it was a particularly novel studio performance of some kind. He therefore wrote to 2YA for information.

With GRAMOPHONE 🕡 and RADIO

BY "B NATURAL"

The Needle

Easter Music

Not Easily Made

Some Fine Recordings

SHALL we consider the gramophone THE recordings of Easter music are needle? I encountered this passage in an English work: "Every gramophone needle takes a month to make. Its working life is at the most five minutes. Experts have worked it all out. They say that a gramophone needle travels a track along the record seven hundred and twenty feet long, and that it carries a load of three and a half ounces. As the area of the point is three-thousandths of an inch, this means that pressure on the point of a gramophone needle is twelve tons to the square inch. They are made of specially tested and hardened steel. I entered a factory where girls were making gramophone needles. They take bundles of thin steel about a foot long and run them through machines which sharpen both STATION 2YA has been heard right ends. The next machine cuts off the sharpened ends, and the now blunt steel is sharpened, cut, resharpened, and cut until the last two needles are taken from it. Trays containing millions of needles travel through a long

Talent Wanted

Radio Players for 2YA

MR. VICTOR S. LLOYD, producer of plays at 2YA, is anxious to get into touch with young people of either sex who consider they have the necessary flexibility of voice and the right temperament to take part in modio plays in radio plays.

Mr. Lloyd feels that there is

much dramatic talent available which is not at present being em-ployed, and he is villing to give the necessary coaching to those who give promise of becoming good radio players.

Several full-length plays have

been scheduled for production at 2YA in the near future, and the casting of these is not yet com-pleted. Those who consider they have the necessary qualifications for radio dramatic work should write to Mr. Victor S. Lloyd, care of 2YA, Wellington.

furnace. As they advance they change colour; they become millions of bright orange needles, sparks flicker them, and when they have been adequately baked the trays tip up and millions of needles fall with a splash into an oil bath. They are then polished in revolving machines. A month from the time they are sharpened and cut they are ready to play.

too plentiful to review in the small space available. What are prob-ably the gems of this type of music are being broadcast Monday next by the choir of Saint Mary's of the Angels, from 2YA. Under the baton of Signor A. P. Truda, the music should have a wide appeal. Fortunately most of it is recorded in either H.M.V. or Colum-

The recordings are Grieg's piano concerto in A minor (for piano)-Columbia 02702:-

Part 1: First movement (part 1). Part 2: First movement (part 2).

Part 3: First movement (part 3). Part 4: First movement (conclusion).

Second movement (part 1). Second movement (conclusion). Third movement (introduction).

Third movement (part 2). Third movement (conclusion).

The artist is the famous Polish pianist, Ignaz Friedman, who toured New Zealand some time back. accompanied by an orchestra conducted by Philippe Guabert. The broadcast from 2YA will be of the same nature as the records, a piano soloist with orchestral accompaniment.

The recordings of the concerto are typical of Friedman. The recording abounds in brilliant passages and the crashing fortissimos recorded and produced electrically leave little to be de-

Another full recording by Columbia is Stainer's "Crucifixion," recorded by the St. Marylebone Parish Church choir under the conductorship of R. G. Tomblin, on 02652 to 02654.

The H.M.V. records Schubert's "Mass" in G, played by the Philharmonic Choir on D-1478-80.

Warped Records

IF records are not stored carefully they become warped and life is shortened considerably. The undulations in the record cause extra pressure on the needle, with the result that there is greater wear. Warping can usually be removed by warming the record in the oven and pressing it between several thicknesses of paper. Two important precautions must be taken. The oven must not be too hot and the pressure not too great. Do not leave the record in the oven for more than a minute. If unsuccessful, repeat the process, giving the record a little more time in the oven.

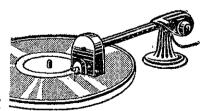
The surface of soiled records can be brightened by the application of the smallest amount of three-in-one oil ap-

plied lightly by a cloth.

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The counter-balanced tone arm is shown in the above illustration of the Model 124A De Luxe. Ask your nearest agent for a demonstration.

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AUCKLAND.

Our Mailbag

last week or two? The news session and lectures can not be followed owing to bad distortion. The reception is usually quite clear till about only. 7 p.m.; after that the distortion is round here are bitterly complaining of it.- "Screen Grid" (Dalefield).

"Radio Record" a letter from gradual falling-off in the purity of re"76180" re the reception of 2YA in this ception would be unnoticed. district. It seems hard, when 2YA is giving listeners such a good service, that we in Palmerston North should get such distorted reception. month I spent a fortnight's holiday at with the approval of most listeners: the Manawatu Heads. I took my radio set with me, and with an aerial 10 feet high and 25 feet long, I received 2YA beautifully, using three valves only. While there I listened to the play, "Good Morning, Bill," and heard every word, a thing I can never do here. Last night I tried to listen to the presentation of "The Monkey's Paw," but it was impossible, because about every two minutes it would go mushy. It is enjoy the first-class programmes being presented by 2YA, which are spoilt night after night by mushy reception. this matter serious thought, as it is three minutes at times. quite evident we are badly situated for problem.-"Constant Listener" merston North).

shown to the engineer at 2YA, who states that a double check is kept on all transmissions, and if it were faulty he would soon be aware of it

For night reception, the waves from a wireless station travel by two paths, one along the ground and the other in and a belt of ionized air which exists a number of miles above the earth's surface. If a receiver is located where the two waves meet on the ground, distortion results, as the ground wave, having less distance to cover, reaches the aerial a fraction of a second ahead of the reflected wave.

ing night reception. which varies with the wavelength of keen anticipation throughout the conthe station, is in the case of 2YA, a test."

distance of about 100 miles, and it is significant to note that most of the complaints received are from localities whose distance from Wellington is roughly that given. Succeeding belts WHAT is the matter with 2YA this also occur where the sky-wave once more meets the ground-wave. During the day, however, the belt of ionized air disappears, and reception is accomplished by means of the ground-wave

It is also interesting to note that often very bad and hardly a sentence when daylight-saving no longer ap-clear. Quite a number of listeners plies, and night sets in half an hour earlier, the effect on reception is very noticeable. Otherwise, the minute or so difference in sunset each day would I READ with interest in the last have no very marked effect, and the ception would be unnoticed.

Wanted-Outward-Bound from 2YA.

MAY I make a suggestion which I am sure if carried out will meet that the drama "Outward-Bound," as presented from 1YA this evening, be put over from 2YA. Perhaps the Broadcasting Company could bring the same company from Auckland, or perhaps Mr. Victor S. Lloyd could be induced to play it. Though here in Wanganui reception from Auckland was very poor, static, fading, and mushiness making 1XA very bad, we held them till they had finished—the very disappointing when one wishes to interest in the play keeping us away from 2YA-a most unusual happening. Lately 2YA has been on very bad behaviour, going into a slight fade and I think it is up to the R.B.C. to give then going "woolly"-lasting about

Programmes? Oh, yes, they are imradio reception, and the relay station proving somewhat, but we still hear seems to be the one solution to the one or two singers who need-well didn't I read in the "Record" that 2YA studio kept a hig "shillalley" club, or THE above correspondence was sudden and painless?—W. Vinten (Wanganui).

Dinner Music.

A LLOW me to congratulate "Why Not," Wanganui, for his suggestion re changing 2YA dinner music to 7-8 p.m., and leaving other YA'S as now. Besides doing away with the dreary a curve, winding between the earth hour, if any particular piece is on 1YA or 2YA (as one naturally listens-in to 2YA most of the time), one has to watch the clock closely to switch over to hear it. This change would give the evening session more of a running start. -"Hopeful" (Whangarei).

J.W.F. writes: "The thanks of all boxing enthusiasts must go out to Thus, there are certain localities Mr. G. P. Aldridge for his splendid situated on the circumference of a broadcast from 2YB, New Plymouth, circle, with the station as centre, at of the Sarron v. Donovan fight on 15th which slight distortion will occur durinstant. His description of the boxing The radius, was such that listeners were held in

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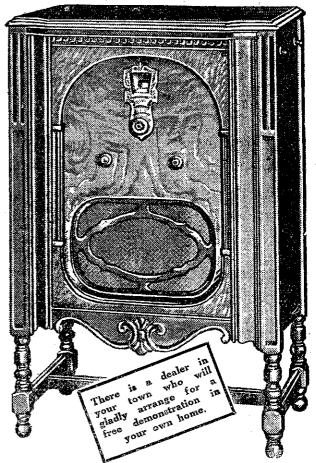
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Children's Sessions

FROM 1YA.

interesting stories, while Cousin Alwyn will recite, and Miriam and Dorothy will play duets.

DNESDAY: Uncle Tom will be in charge this evening and will be as- TUESDAY: Uncle Jim to-night, and WEDNESDAY: Uncle Tom will be in sisted by Cousin Moya, who has many sweet songs to sing.



UNCLE TOBY OF 2YA, who, with Mr. Pilot, makes regular trips in the "Spirit of 2VA" to con-vey birthday greetings to their vast audience of little ones.

THURSDAY: Cousins Louie, Albert URSDAY: Cousins Louie, Albert and Joyce all helping Peter Pan MONDAY, APRIL 14.—Our appoint SATURDAY.—"Aunt Pat" and "Birdment at the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man, "holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man, "holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man, "holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man, "holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man, "holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man, "holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man, "holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man, "holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man, "holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man and the microphone to-night is man, "holding a little Court of Environment and the microphone to-night is man," holding a little Court of Environment and the microphone to-night is man and the microphone to-night is man and the microph

FRIDAY: Good Friday. SATURDAY: Cinderella will have more to tell from the diary of our Antarctic Uncle; Cousin Rena will sing and Dorothy will give monologues.

SUNDAY: Children's Song Service

conducted by Uncle Leo, assisted by Beresford Street Sunday School.

FROM 2YA.

TUESDAY, APRIL 15: Once again we MONDAY, APRIL 14: Uncle Jeff with will have Uncle Dave telling us his specially prepared puzzles, his specially prepared puzzles, answers and riddles is to entertain to-night. Listen for Cousins Olive, Violet, Eileen, Esme, Dorothy and

> the pupils of Miss Rastall will be present. They are reciting and giving a little dialogue also. Cousin Dick, who all Radioland enjoys, is coming again with his bagpipes.

> THURSDAY: This is Uncle George's night, and he is bringing with him some pupils of Ethel Mackay, who are to give a programme of songs, pianoforte solos and recitations. A little original playette called "The Land of Golden Dreams" will also he acted.

> APRIL 18, GOOD FRIDAY: Uncle George is conducting a special service to-night.

> APRIL 19, EASTER SATURDAY: Uncle Toby and Mr. Pilot have made arrangements to come by aeroplane from wherever they go for Easter and help Cousin Roma with the programme which she has prepared for this night.

> APRIL 20, EASTER SUNDAY: Uncle George has again a special Easter have come from all parts of New Zealand to attend the Bible Class Camp of the Churches of Christ.

FROM 3YA.

with Scatterjoy and The Merry Maids. We are always sure of a happy hour filled in with stories, songs, and fun for all.

WEDNESDAY .- Some of our favourite radio cousins helping Uncle John to-night. There are Joan Hughes, Ray Hern, and Gordon

Pleasure from Children's Session

DURING the recent absence on holiday leave of Cinderella, Mrs. Daisy Basham carried out the duties of organiser of the children's sessions at 1YA. was an experience which she thoroughly enjoyed. In a note to the general manager of the Broadcasting Company, Mrs. Basham remarks:

"I thank you for giving me the opportunity of enjoying a fortnight of what I now know to be the most delightful branch of broadcasting, i.e., conducting the children's sessions. The young folks' letters, with their quaint mixture of pathos and fun, are a joy in themselves; and it is most interesting arranging the most interesting arranging the programmes, judiciously mixing with the stories and entertainment just a modicum of something instructive and worth taking away."



AUNT DAISY, OF 1YA (Mrs. Daisy Basham)

Windsor, and with bright snappy stories from Uncle John, you see this hour marches quickly along.

old favourite, and the one about Dicky Byrd returning thanks to the "The Muffin Man," too. This is our Easter session, for to-morrow is

tertainment to-night-with Molly Moore and Nina Undrill reciting and singing, and "Alice" helping everywhere.

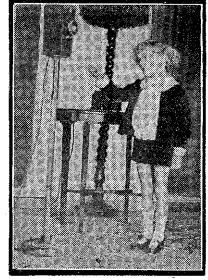
SUNDAY.—Easter Sunday Song Service, conducted by Rev. G. W. Dent, assisted by the children from the Anglican Sunday School.

> Sent to Bed But Listens to 2YA

THE Byrd broadcast has brought the New Zealand stations prominently before the notice of overseas listeners. From all over Australia letters are pouring into the offices of the Broadcasting Company to congratulate them on the remarkable achievement. One in particular shows the keenness with which even the young folk took in the proceedings.

A boy at Red Cliffs, Victoria, writes two letters to 2YA regarding the broadcast. One letter was evidently written on his receiving the parental injunction to "go to bed" just when he wanted to stay up to hear the two-way conversation. The next letter is equally brief. The boy does not waste New Zealand people. Adelaide is one words in unduly long explanations. He merely sounds a note of triumph: "I was able to listen in."

listen in to Rear-Admiral Byrd speaking to his friends in New York and heard it all. It was too noisy through programme, and he is bringing a THURSDAY.—Hot Cross Buns! Hot 3LO and Sydney and best through New large gathering of cousins who Cross Buns! To-night Ladybird Zealand. After 5CL, Adelaide, closed Cross Buns! To-night Ladybird Zealand. After 5CL, Adelaide, closed and Uncle Frank will sing you this down at 11 it was perfect listening to



A YOUNG ENTERTAINER.

The dainty little lad, Nevil Burnell, who reminds one of "Little Lord Fauntleroy," is a frequent contributor to the children's sessions at 3YA. The camera caught him recently as he was reciting the story of "The Cat and the Mouse" and was laying down the layer to "Mile." and was laying down the law to "Mike" that it was a "r-r-a-a-t," no, that "'twas a moose"—well, whatever it was. He is a very promising young entertainer.

point off 2YA.'

Another correspondent adds: "We wonder what next. We get your sta-The first letter reads: "We have a tions very clearly here during winter three-valve set and enjoy your promonths. Let me know if there are grammes very much. You have just any more special broadcasts coming closed down until midnight, but I must on. Could you not arrange for a go to bed, so I cannot listen in to your special broadcast for Australia some broadcast from New York." Then folinight? Say arrange for a station such lows the other letter: "I was able to as 2FC, Sydney, or 3LO, Melbourne,

Free Railway Holiday Booklet

A Guide to Easter Happiness!

Don't waste the precious Autumn days-there are so many delightful places which can be conveniently reached during the Easter vacation. The free "Easter Booklet" tells all about them, and all about the holiday trains and cheap fares.

Call at the nearest Railway Booking Office for a copy---or write or phone for one to to be sent by first mail.

Identification Wanted

WHILE tuning in to a B class station on Thursday, 27/8/30, which is silent day at 4YA, I heard someone asking riddles—evidently a children's hour. The set I have is a crystal set fitted with a condenser, and a 50-turn Mr. Announcer and Mr. Operator. Two riddles were: (1) Why is the sea like a restless boy? (2) What fruit grows on an electric pole? Another item was singing and a mouth-organ or concer MR. D. W. M. TAPP (ZLIBN, Rototina solo. This started at 5.35 p.m. metre 'phone in the "Radio Record" At 5.55 p.m. the men said "Good-night, some time ago. Mr. Tapp mentions the folk." The condenser registered that 2BE_could duplicate W7AMP's 35, the dial being numbered 0-100, 4YA success. He also mentions the reason coming through at 100 .- J. Howie our ham 'phone is not reported in (Dunedin).

ON Monday last (March 29), at midday, I picked up a station a few metres below 4QG, Brisbane. I was amazed on tuning in to find this a Japanese station (apparently). The person speaking twice paused, and said "'ello, 'ello," and then relapsed into his own language. Volume was such that he could be heard comfortably at 15 feet from the speaker. I held him for about 20 minutes, thinking it might be a record. Can any reader explain this mystery-apparently receiving a Jap. at midday?-R. A. Wilson (Mas-

Stations Identified

REG. H. Chambers, Christchurch, as to the shortwave station that was logged 23/2/30. I would like to state that this station was received at 10.10 p.m. to 10.22 p.m. on my speaker. Strength R6. The words used were: "If you want a transmitter write it down. If you want a crystal write it down. If you want, etc., etc., etc., write it down." The announcer said that they were on a 106-107-108 word test, and that they had finished for the night. He said that his station was the W.S. Naval Training College. In regard to F. O. Evans, Ekefahuna. Perhaps this may help. On 26 metres, about three weeks ago, tests were made between Java and France. Java. which used to work on 16 metres, made these tests on 26 metres. Words used were: "Allo, Pareis, This is Bandoeng." This would last for five minutes. Time logged was 6.45 p.m. They closed down only to start again about 8.30 p.m. This went on for a week or so. At the time of writing (4.30 p.m., 22/3/30), I am listening to WGY. 2XAF, New York. R7 to R8. I received this station on my new S.G. Four, which I made myself. This is the N.Z. S.G. Four by Mr. Salt .- R. Davidson (Auckland),

MR. H. SMITH (Central Otago) writes in identifying the transmissions on approximately 435 metres (690 k.c.), which puzzled many listeners a few weeks ago. These broadcasts were from the Norwegian whaling ships which until recently were in New Zealand waters, and for information concerning these transmissions listeners are referred to the DX columns of our last issue.—Ed.

the D.X. Club

Views and News.

DXTopics

Alaska on 'Phones.

To DX Club Members

OWING to the heavy demands made on our space, and to the increasing amount of correspondence received from DX enthusiasts, we have found it necessary to request the following courtesies:

(1) Address letters to: The Editor, DX Club, Box 1032, Wellington. Nom de plumes may be used, but all letters to be signed. Write in ink, and be signed. on one side of the paper only.

(2) Be brief, but do not omit interesting or essential details. (At present almost every letter has to be re-written and con-

densed.)
(3) When stating the wavelength of a station, if possible give the corresponding frequency. This may be calculated from the formula: 300,000

K = -

where M = wavelength in metres, and K the frequency in

kilocycles.

(4) When inquiring about the identity of stations, give the following particulars: Date and time of reception, approx. wavelength and frequency (see Rule 3), and items heard (not more than three). If unable to state wavelength, give dial readings and proximity to well-known stations.

Alaska is because of the fact that to hear it one would have to stay up till the very early hours in the morning, and when a broadcast listener does make a night of it, he seldom scans the amateur bands. I cannot agree with him there, because of the fact that when it is 12 p.m. here in New Zealand it is I a.m. in Alaska, and usually our 'phone station starts up after broadcast hours, so that would not make it so very late for listeners over in Alaska.

The American hams work their transmitters till a very early hour of the morning. I know this for a fact, because I have heard them working stattions at 2 and 3 a.m. (their time). Mr. Tapp also states that Alaska on 80 metres is not DX compared with the 'phone work done by ZLIBG, his 'phone being heard in Siberia on 80 metres, using only 10 watts input. When one begins to think, it reads like a tall one and seems impossible, but of course if he has a verification for same, it must be correct. I should say this is a world's record, both for transmission and reception, and I must certainly congratulate ZLIBG on his transmitting feat.

Would it be asking too much for ZLIBG to give me the name and address of the ham in Siberia who heard his transmission when working on 10 watts, because I would certainly like to correspond with him to find out the circuit he was using for his reception? I trust he will oblige. A letter will find me at Raeburn Avenue, Brook-

lyn. Wellington.

Could any listener identify an American station heard by me on Tuesday, knowledgement. Your letter contained a April 2, between 7 and 7.30 p.m.? He tion W8XAU. Your letter contained a problem on approximately great many interesting things, and we would appreciate your listening in occupant of the property 1056 K.C. (284m.), just below 2ZF, Palmerston. The first letter of his call sign was heard as "W," and he closed down at exactly 7.30 p.m., N.Z. time. WENR has been heard testing two or three nights this last week on the locality broadcast band. His station, W9XF, I have not heard for pany). some time.-A. P. Morrison (Welling-

WISH to thank S. Ellis, Okato, and "Universal Five." Ladbrooks, for their identifications of the stations I their identifications of the stations I cycles, corresponding to a wave length inquired for. I heard the call of the of 49.5 and 31.28 meters. The power, station on 319 metres (940 k.c.). It at the present time, is 500 watts, and we station on 519 hetres (940 k.c.). It at the present time, is 500 wafts, and we is KGV, Honolulu, not KSEI, as contemplate working this transmitter "Universal Five" stated. Re KTM, I from 8-00 A.M. until midnight each day, tuned this station in on March 26, and using either of the two frequencies specihe gave two calls, "KGM, Los Angeles, KTM, Santa Monica, this is much any further comments you may geles, KTM, The rest was drowned by transmitter and the relative signal static, so I take it that KTM is a relay strength on the two frequencies.—J. of KGM.—M.B.S. (Palmerston North). Leitch (Universal Broadcasting Co.). Requests for Verification Unanswered.

| HAVE been waiting seven weeks for a reply from five New Zealand "B" stations with regard to recention here Not one has ever acknowledged my correspondence. Does it actually take all this time? Three Australian stations answered by return! Have any other DX members had any trouble? I wonder if it is because I neglected to enclose the postage fee? I have also written complimenting them on programmes, and test broadcast at differ-But still no reply. ent times. The worst offenders seem to be in Dun-A large proportion of these sta-

gammananan A New Private Station

LISTENERS in the Waikato district will be pleased to learn that a private transmitter has commenced operating in the district. It is 1ZH, operated by G. S. 'nchor's Radio House, Hamilton. It has an input of 30 watts, and operates on 630 kilocycles, or 479 metres. At the present time, the transmissions are irregular, and as soon as a schedule is arrived at it will be published in these columns.

A full list of the New Zealand private transmitting station will be found in the 1930 "Radio Listeners'

Short-wave News from America

ON Wednesday, January 15, 1930, I picked up Station W3XAU-a shortwave station I have not previously seen listed. The signals were coming through wonderfully clear on the loudspeaker and of sufficient volume to be heard all over the house. As reports were asked for from overseas listeners. I sent one along and have received the enclosed reply.-A. Comfort, S.F.A.I. (Wellington).

Dear Sir,-We are enclosing an acwould apreciate your listening in oc-casionally, and forwarding a report on reception to us. We are especially interested in a comparison of the two frequencies that we use, and the times of the day that each is received in your week on the locality the best.—Yours, etc., J.
short-wave Leitch (Universal Broadcasting (

A second letter reads :- Receipt is acknowledged, with thanks, for your communication regarding the reception of signals from our short-wave transmitter, W3XAU. This transmitter is operated on two frequencies, 6060 and 9590 kilofield above. We would appreciate very much any further comments you may care to make on the reception of this transmitter and the relative signal

Interesting Lecture

SHORTLY after Easter Mr. Alfred Eady, of Lewis Eady, Ltd., will broadcast two lectures from 1YA on "The History of Musical Instruments." He recently gave a particularly interesting and well-received talk to the Rotary Club on the same subject.

tions are also owned by radio firms, who, if they are out for results, are adopting a wrong policy-"Sonora" (Wellington).

YOU CAN'T BUY A BETTER VALVE THAN

Auckland Notes

(By "Call Up.")

A UCKLAND listeners were well pleased with the broadcast of the Sarron-Donovan fight, the landline re-lay being most satisfactory. The The northern boxing association has again declined to have an important fight broadcast, the latest ban being on the Morgan-Paul contest at the Town Hall on Monday, April 7. This action, in view of the fact that the big Wellington fight was very fully broadcast, and yet drew a crowd of 17,000 spectators. seems to be nothing more than a case of "dog-in-the-manger."

ONE of the best turns on last week's programmes from 1XA was the programme shortly, although no Mati trio, composed of three Raro tongan natives. Their half-dozen items were particularly appreciated. the combination of banjo, mandoline, and guitar being most pleasing. This trio is to be heard again in a few weeks time, and will be looked forward to.

TOCAL listeners will be interested to hear that Mr. Owen Pritchard, programme organiser at LYA, is to be married on Easter Monday morning. Mr. Pritchard has been connected with 1YA for about twelve months, taking up his present position last December, and he will receive the hearty congratulations of a large number of artists and listeners. It will be remembered that his predecessor in the position, Mr. D. H. Wrathall, who is now programme organiser at 4YA, married early in March. There is evidently some compensation in this otherwise thorny job of programme organising!

WITHIN the space of one week 1YA listeners are going to hear five

should be particularly welcome. The 12 noon till 3 p.m. The same evening tralto; April 24, Mr. Rex Hart, tenor; and April 27, Miss Freda Litherand, soprano, and Mr. W. McMichael, baritone. While there seems to be a good number of singers for the programme organisers to draw upon, there is a decided dearth of good instrumentalists. Mr. Archie Don has been chosen to give the commentaries on the items rendered at these recitals.

STATION 1YA is always looking for novelty programmes, and is very successful in the search. The latest for which arrangements are in hand is a Savage Club entertainment. This should provide listeners with something unusual, and will be featured on

TT is possible that Miss Millicent O'Grady, one of the most popula: regular 1YA artists, may be leaving Auckland for the south shortly. Miss O'Grady, besides being well known as a soprano soloist, has sung very well with Mr. Len Barnes in duets, and is also a member of the Radio Scamps so that she will be sadly missed if she leaves. Earnest endeavours are being made to make it possible for her to remain in Auckland, but if she does go south it will be someone else's gain.

IT was announced that talks on bridge would be given from the station shortly, and a number of other interesting talks have been arranged. A new departure from the present arrangement of programmes will be commenced in May, when occasional recitals lasting half an hour, both vocal and instrumental, will be given. The first of these is to take place on May 2.

SPECIAL arrangements for 1YA during Easter week have now been singers, including a new tenor, drawn up. On Good Friday the three These constitute an addition to the hours' service from St. Mary's Cathranks of local broadcast artists which edral will be broadcast, this being from

new singers and their dates are as a special service from the Beresford follow:—April 22, Mrs. J. J. Sullivan, Street Congregational Church will be soprano, and Mrs. Gwenda Berg, con-relayed at 7.30 p.m., and this will be followed by a studio concert. On Sunday the morning service will be from St. Mary's Cathedral, and the evening one from the Pitt Street Methodist Church. During Holy Week there will be a marked absence of light items from the programme. The Ellerslie races will be broadcast on Easter Monday, and the station will also be on the air cast a concert on Monday, April 14. that evening.

speaker system at Western Springs with orchestral accompaniment.

Choral Items

Unique Concert

LISTENERS-IN will be pleased to hear that Signor A. P. Truda, conductor of 2YA Orchestrina and St. Mary of the Angels choir, will broad-

The first part of the concert will be of a miscellaneous nature, including A MUSEMENT was caused by an an-orchestral numbers, instrumental solos, nouncement made through the loud- as well as vocal solos, duets, and trios,



Signor A. P. Truda's Choir, which will broadcast on Monday, April 14. -S. P. Andrew, photo.

Speedway on a recent night. During the interval between two races near the beginning of the programme, it was announced that the owner of a small closed model car parked in the enclosure was required at the entrance as he had carefully locked the doors of his car and her left the engine running. As the doors were locked officials were unable to reach the switch to turn the motor off, and it ran for some considerable time before the owner appeared.

IT is a well-known fact that broadcast artists and station authorities are often blamed for bad reception that is really the fault of the receiving set. Last week two such examples were brought to "Call Up's" notice, in each case a listener saying that 1YA's service was so poor that he would not renew his license. On a suggestion being made that their sets might be at fault both were quite indignant. It took proof that the latter was the case, by letting them listen-in to a neighbour's receiver, to convince them that 1YA's service did not deserve all their uncomplimentary remarks, and they have both decided to renew their licenses after all. It would be a good thing if many more disgruntled listeners called in an expert to test their sets before they put all the blame for poor reception on artists and station authorities.

voice with an extensive range, and will complete a perfect balance in the Benedictus Solo Trio.

The second part of the programms will be within keeping of Eastertime. The choir will sing Schubert's celebrated Mass in G, Perosis Tota Pulchra, which numbers are the first performed in New Zealand. Other numbers will be Ave Verum by Crookall, unaccompanied, Haec Dies by Turner. The Mass will be also accompanied by the orchestring.

Mass soloists will be Mrs. A. P. Truda (soprano), Mr. C. Edwards (tenor), Mr. Woods (baritone). The whole concert is under the sole direction of Signor A. P. Truda, and will be broadcast from 2YA Studio.

Listeners-in are assured of a firstclass concert, as no doubt many will remember the fine performance of this choir, when it performed Gounod's Mass Solenelle on December 23, 1928. which scored numerous letters of appreciation by listeners-in, requesting a repetition.

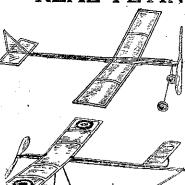
Soloists.

MRS. A. P. TRUDA, solo soprano of St. Mary of the Angels choir, possesses a beautiful and colourful voice, sings with great depth of passionate feeling, and her diction is noted for its clarity. \(\mathbb{\lambda}\)
Mr. C. Edwards, tenor, with a rich

mellow and descriptive tenor voice, has taken the leading parts in many certs throughout New Zealand, this work is specially suited for his

Mr. Woods, well-known baritone, is the possessor of a very fine cultured

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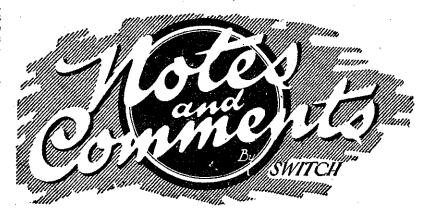
63 WILLIS STREET

Phone 41-446

THE enormous crowd which attended the Sarron v. Donovan fight at Wellington, variously estimated in the newspapers from 14,000 to 20,000, was striking proof of the efficacy of broadcasting as an advertising medium for sport. The writer met many people who attended the contest and who stated they would never have thought of being present had not the description of the previous fight at New Plymouth been broadcast. The vivid commentary from New Plymouth so fired their curiosity that they made up minds to see the contest at Wellington. Another win for broadcasting!

SWITCH" attended the historic fight at the Wellington Speedway between Pete Sarron and Tommy Donovan, and, as one whose experience in boxing extends over 35 years, must compliment Mr. Aldridge, who gave the ringside description of the contest for the big broadcast. A careful note of Mr. Aldridge's description of the combat was shown to "Switch," who has no hesitation in stating that it was a most faithful account of what happened in the ring. All praise is due to Mr. Aldridge for his splendid account!

"SWITCH" would like to have a word with listeners who have neglected to renew their licenses. This broad- ers were purchased.



duty. He was greatly missed listeners during his absence.

WELLINGTONIAN who has just come back from a trip to Sydney and Melbourne informs "Switch" that there is still a big demand for batteryoperated sets in Australia. informed him that for every all-electric set sold, two battery-operated receiv-Vast well-popu-

MR. CLIVE DRUMMOND, announce H C.M. (Wellington) informs the er at 2YA, Wellington, who has writer that a statement made in been on holiday leave, has resumed last week's "Notes and Comments" concerning the pronunciation of Schenectady, is incorrect. I agree with him. He states that he has been listening to stations 2XAF and 2XAD, Schenectady, for several years, and he has never heard the name pronounced in any other way than "Skenectady." "Switch" regrets the error, but the words were misplaced by the typesetters.

> manager of 2FC, Sydney, almost tent that he gulliby believes he possince its inauguration, and a gifted sesses the attributes with which the composer, has resigned his position to graphologist endows him." accept an engagement as studio manager for Messrs. Paling and Co's Sydney B" class station, 2UW.

TT is recorded that during the reign of Charles I a country girl went to London to find her husband, and walked up and down the streets calling out his name in an effort to trace Nowadays, if a country girl came to Wellington to find her missing husband it is probable she would discover him by means of an announcement by 2YA, Wellington. few years ago a Sydney man found in Wellington through a local listener hearing 2BL, Sydney, asking New Zealand listeners to deliver an urgent message to him.

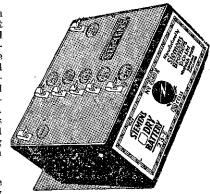
 $oldsymbol{\Lambda}$ USTRALIANS are keen on the mouth-organ, which strangely enough has never caught on to any extent in New Zealand. There are a number of mouth-organ bands in the Are You Satisfied? Commonwealth, and they sound well when broadcast. A mouth-organ band competition held in the Town Hall at Cobury, a suburb of Melbourne, was teries ensure perfect reception, giving broadcast by 3AR, Melbourne, on Mon- you an evenness and clarity of tone day evening, April 7.

THE studio concert by the Wellington Regiment (First Battalion) Band at 2YA, Wellington, was a credit to performers and conductor alike. This band, by the way, does not hurry through a march in the perfunctory manner of some other bands, but plays the repeats in each instance.

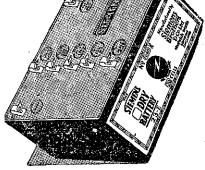
WHEN 2YA, Wellington, was thrown off the air on two evenings recently the accident was due to a moth on the first occasion, and to a "daddy longlegs" on the second night. There is a safety spark gap between the two 11,000-volt mains, and the intruding insects made contact across the spark gap, thus receiving 11,000 volts through their bodies and causing an electric spark about a foot in length. Both insects, of course, disappeared from human ken. The moth blew out a small fuse, but the "daddy longlegs"

went one better and melted the main fuse. About three years ago "Switch" was listening to 4QG, Brisbane, when the station suddenly went off the air. In about a couple of minutes it was back again, and the announcer explained that a moth had electrocuted itself and had blown a fuse.

RADIO enthusiast has suggested that a welcome novelty which could be introduced at 2YA, Wellington, would be a graphologist who could read the character of listeners from their handwriting. This, he urged, was done at one of the Australian stations. The subject of graphology is taken seriously by many educated people, but is not universally accepted. Some time ago the editor of "Science and Invention" stated: "We do not believe in graphology; we do not be-lieve that it is possible to analyse a person's life or character from handwriting, nor do we hold there is anything in phrenology, physiognomy, astrology, numerology, or any of the other fortune-telling systems. While it is true that some analyses of the handwritings of certain men seem to indicate their character (as graphologists point out), the character reading is of an exceedingly superficial nature. Such character readings generally flatter the man who submits MR. OSWALD ANDERSON, studio his writing for examination, to the ex-



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Soloists of Signor A. P. Truda's Choir: Mr. T. C. Wood (baritone). Mrs. A. P. Truda (soprano), Mr. Charles Edwards (tenor). -S. P. Andrew.

listener is a cog in the wheel of the great broadcasting machinery. A listener who is illegally using his set is not only robbing the Government and the Broadcasting Company, but is also robbing his fellow listeners. The thief is avoiding his just contribution for the common good, and as such is an outlaw in the community. If he finds himself "spotted" and duly fined he has only himself to blame.

WELLINGTON man who recently returned from a visit to the Chatham Islands informed "Switch" that radio is proving a wonderful boon to residents on the main island. The few who own receiving sets have, of necessity, to use battery-operated outfits as there is no recticulation on the Although 500 miles distant from Wellington, 2YA is received during the afternoon sessions with full loudspeaker volume. As weeks elapse between the arrival of mails, the news sessions from 2YA Wellington are in regular demand. In addition to ordinary broadcast receivers there are some short-wave sets on the island, and they are capable of bringing in stations at tremendous distances.

casting is a community affair; every lated up-country areas in the monwealth are not reticulated battery-operated sets are the practical type in such districts.

RECEPTION **TABLE**

FOR the guidance of those who wish to cheque their reception of the Australian stations "Switch" has prepared the following table showing the average relative strengths with which he has ob-tained reception at 11.30 p.m. during the

2BL, Sydney	10
2FC. Sydney	8
3LO. Melbourne	71
4QG, Brisbane	8
2UE, Sydney	Ÿ
3DB, Melbourne	63
2GB, Sydney	61
3UZ. Melbourne	6
3AR, Melkourne	4
5CL, Adelaide	3
OTTE MICHAELE	
2HD, Newcastle	3
2KY, Sydney	2

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

Features

NEXT WEEK'S PROGRAMMES



Concert Relays

Broadcast from 1YA.

THE service this evening will be relayed from St. David's Church, the preacher being the Rev. D. C. Herron and the organist Mr. E. A. Craston. This will be followed by a relay of the concert of the Municipal Band, un-

Radio Plays at 1YA.

Three-act plays scheduled for IYA in the near future are: "Three Wise Fools": April 15. "Nothing but the Truth":

April 29. "Paolo and Francesca": May 16. On May 23 a play is to be produced by Mrs. Bartley Bax-

der the conductorship of Mr. Christopher Smith, from the Town Hall.

From 2YA.

THE service of the Taranaki Street Methodist Church will be relayed. The preacher will be the Rev. T. R. Richards, and the organist and choirmaster Mr. H. Temple White. first recital of the Port Nicholson Silver Band's 1930 season will be relayed at the conclusion of the church service. The band is now at the top of its form, and the concert should prove most interesting and entertaining.

From 3YA.

THE Rev. A. W. Bean, of Auckland, will be the preacher at Oxford Terrace Baptist Church, and the service is to be broadcast. From the studio later there will be a special recital,

"N.Z. Radio Listener's Guide?

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POYDS-HOWARD CO

featuring Mr. Rex Harrison, baritone. well" will be two of Mr. Couch's num-He will be accompanied in several of bers.

From 4YA.

ARCHDEACON FITCHETT will be the preacher at St. John's Anglican Church this evening, when the service will be relayed. The relay of the after-church concert at 3YA will fol-

MONDAY

"No. No. Nanette" Silent Day At 1YA.

From 2YA.

MR. H. C. SOUTH will talk on "Books, Grave and Gay."

AN exceptionally good programme A will be given in the evening by the 2YA Orchestrina and the St. Mary of the Angels Choir. The feature of this programme will be Schubert's "Mass in G," which is being broadcast for the first time in New Zealand. The choir, under Signor A. P. Truda, has been practising assiduously, and there can be no doubt whatever that a finished performance will be the result. The vocalists will be Mrs. T. Treacey, Miss Kathleen Ferris, Mrs. A. P. Truda, Messrs. L. Stapp, Chas. Edwards, and T. C. Wood.

Another outstanding item will be the first movement of Greig's "Piano Concerto in A Minor," the soloist being Mrs. G. P. Aldridge. This will be the first time that this work will have been broadcast in New Zealand, and not only for that reason, but also by virtue of the fact that this is one of the most brilliant works of that type written. this number should prove of great interest to all members of the radio audience. Other instrumental solo features will be given by Miss Ava Symons (violin), Mr. Claude Tanner ('cello), and Mr. S. Bernard (trumpet). All these numbers will have an orchestral accompaniment.

From 3YA.

THE concluding talk of the series "Treatment and Care of the Feet" will be given at 7.30 by Mr. J. L. Tennent. For the evening at 3YA the Woolston Band, Miss Linda Mills (soprano), Miss Elizabeth Vass (contralfo), Mr. A. T. Couch (tenor), Mr. Robert W. Rofe (baritone), Mr. J. P. Darragh (humorous reciter), Mr. E. Williams (trombone soloist) and Mr. R. Ohlson (cornet soloist). Some popular songs will be sun. Miss Mills will lar songs will be sun. MISS MILIS WILL
sing "The Kerry Dance" and "When
the Heart is Young." Miss Vass's
items will include "For All Eternity"
and "You'll Get Heaps of Licking's."
"Kashmiri Song" and Liddle's "Fare-

"The River of Years," a very his items by the Broadcasting Trio and old song, now rarely heard, the always-there will be harp solos by Mr. H. Glay-sher.

The river of feats, a very old song, now rarely heard, the always-popular "Father O'Flynn," and the rolling "A Sergeant of the Line" will be sung by Mr. Rofe.

From 4YA.

THAT delightful musical comedy. THAT delightful musical comedy, "No, Ne, Nanette," will be given a radio presentation by the 4YA Majors this evening. The same singers—Miss Freda Elmes, Miss D. Skinner, Mr. W. Harrison and Mr. L. M. Cachemaille—will sing solos on the supplementary miscellaneous programme—"Full Moon," "Hurdy Gurdy Man," "A Dream," and "The Crown of the Year," respectively. Selections will be played by the trio consisting of the Misses Wallace and Baker and Mr. Blyth.

TUESDAY

Kaikorai Band Concert

Broadcast From 1YA,

AT 7.15 Mr. George Campbell will continue his talks to motorists.

AT the concert session there will be the presentation of the threeact comedy, "Three Wise Fools," by



MISS LILY CHARLES

The well-known singer of popular songs heard by listeners to 2YA.

Austin Strong. This will be presented by a talented company under the direction of Mrs. Zoe Bartley-Many listeners recently expressed great appreciation of the presentation of "Lady Frederick," by this company, and there is no doubt that the coming presentation will be of the same excellent stand-

From 2YA.

A TALK for the man on the land will be given at 7.40.

The Radiolites Concert Party will "radiate" another of their bright and entertaining programmes. The items will comprise vocal solos, violin solos, comic songs, and humorous sketches. The Radiolites will be assisted by the Salon Orchestra under Mr. M. Dixon. which will play music in keeping with the programme.

Silent Day At 3YA.

From 4YA,

THE Kaikorai Band, assisted by 4YA artists, will provide this evening's concert. The band, which plays under the baton of Mr. T. J. Kirk-Burnand, will, as usual, present a very enjoyable programme. The singers will be Miss Rita Holmes, Miss Mary Teviotdale and Mr. W. Ruffell. Miss N. Warren will recite. Bandsman Coughlan will play a cornet solo, "Lucky Dog," to band accompaniment.

WEDNESDAY

The Orphans' Club Orchestra

From 1YA.

 $\mathbf{A}\mathbf{T}$ 7.40 this evening a further talk by Madame Mabel Milne "Health and Diet" will be given.

Something out of the way is promised listeners at the concert sesmised listeners at the concert session when the programme is to be given by the Orphans Club Orchestra, under the conductorship of Orphan Harold Baxter. 114A is extremely fortunate in being able to present this fine combination of 40 instruments to listeners. Vocal solos, with orchestral accompaniment, will be given by Orphans Stan Pritchard and Bernard Carter; a violin solo, entitled "Czardas," by Orphan Frank Hoffey, and humour will be presented by Orphan Rex Yates. Listeners are assured of an excellent evening's entertainment.

2YA Silent Day.

From 3YA.

MISS GLADYS BROOKS, soprano, who made her radio debut at 3YA recently on the evening when Mr. W.
H. Dixon gave his lecture recital
"Stories and Songs from Operas," will "Stories and Songs from Operas, wan be singing this evening. Her items will be "Bend Low Thine Ear," "A Blackbird's Song" and "Alleluia" (an Easter hymn). Mrs. Rhys Morgan (known to Christehurch musicians as Aries Eilean Panarill) will be singing Miss Eileen Papprill) will be singing for the first time in radio.

Her songs will be "Salaam." "Far Across the Desert Sands" and "The Cloths of Heaven." Mr. Harold Prescott (tenor) will sing "E Luce-van le Stella" (from "Tosca"), Tos-ti's "Serenata" (a song not often heard), and "A Song of Thanksgiving," another fine song to which Mr. Tescott's splendid voice should do ustice... Humorous elecutionary numbers will be given by Mr. Richard R. Wills. The instrumental music of the programme will be provided by Mr. Harold Beek ('cellist) and the Broadcasting Trio.

From 4YA.

"SOME suggestions for children's parties" will be the subject for a talk to ladies this afternoon by the Home Science Extension Department of Otago University, under the auspices of 4YA Primary Productions Committee. In the evening there will be a talk to farmers on "Tuberculosis in Farm Animals" by Mr. C. Weighton, M.R.C.V.S.

A feature of the evening's programme will be a talk by Mr. E. Norman Torry, author, on "How to Write Fiction."

The evening's concert programme will be light and varied. There will be three saxophone duets by Messrs. J. McCaw and T. Law, with Mr. Moore-Wilson at the plane. Plane

THE cast of characters for
"Three Wise Fools" will be:
Theodore Finlay Allan McElwain
Dr. Richard Gaunt.....
Edward Churchouse
Hon. James Trumbull
Hugh Wods
Miss Sydney Fairchild
Zoe Bartley-Baxter
Mrs. Saunders... Errica Blamires
Gordon Schuyler ... Bruce Elliott
John Crawshay ... Roy McElroy
Poole Cedric Zahara
Clancy Dick Hudson
Benny-the-Duck

novelties will also be contributed by Mr. Moore-Wilson. Soprano solos will be sung by Miss Muriel Eager, while Mr. Norman Scurr will contribute light vocal numbers.

Norton Hammond

THURSDAY,

Broadcast From 1YA.

THIS evening will see another appearance of Mr. and Mrs. W. Scott, in pianoforte and vocal novelties. This combination is stendily gaining in popularity. Also on the programme will be the Snappy Three and the 1YA Orchestral Octet, under the direction of Mr. Eric Waters. Mr. A. B. Chappell, M.A., will give a further topical talk.

An interesting item in the Orchestral Octet's programme is the defightful suite, "Russet and Gold," by Sanderson, written on the lines of the Old English Folk Songs, Dance music will be presented until 11 p.m.

From 2YA.

MISS FLORA CORMACK'S talk to ladies will be on "Hollywood Celebrities." At 7.40 Mr. M. F. Ryan will lecture on "Fire Protection."

In the evening the City Silver Band will give another of their entertaining concerts, assisted by Miss Myra Sawyer (soprano). Mr. William Boardman (baritone). Assivy Stanton (contralto), and Mr. William Renshaw (tenor); Mr. G. D. Edwards will also be heard in several recitals. Mr. Norman Izett will contribute piano novelties.

AT 9 p.m. Mr. J. W. Collins, who is leaving shortly for Canada to take up the position of Trade Com-

missioner for New Zealand, will give a farewell address, and his remarks are sure to be listened to with great interest.

From 3YA.

FOR the information of farmers, a review of the March issue of the Journal of Agriculture will be broadcast

The Studio Octet, under Mr. Harold Beck, will provide the instrumental portion of the musical programme. The items to be presented include Bach's "Suite in D," the "Valse Triste," by Sibelius, Tschaikowsky's "Nutcracker Suite," "Melodies of Grieg" (arranged by Mr. Beck) and "Entr'acte and Valse," by Delibes. The vocalists for the evening will be Madame Gower Burns, Miss Mavis Spiller, Mr. Ernest Rogers and Mr. J. Filer. They will sing quartettes, duets and solos, among the last-mentioned being "The Promise of Life" (an old song rarely heard now), "Not Understood," "Sleep, Baby, Sleep," "By the Waters of Babylon," "Had You But Known" and "Oh, But to Hear Your Voice." One of the duets will be "Watchman, What of the Night." Two planoforte solos will be played by Miss Dorothy Davies.

Silent Day At 4YA.

FRIDAY

Good Friday Broadcasts

Broadcast From 1YA.

AT noon the three-hour devotional services will be relayed from St. Mary's Cathedral, the preacher being Canon William Fancourt, and the organist and choirmaster Mr. Edgar Randall.

At 7.30 p.m. there will be a relay from Beresford Street Congregational Church of Combined Congregational Service, the preacher being the Rev. R. C. Roberts, B.A., B.D. Following this service there will be a special programme of sacred music. The vocalists will be Madame Mary Towsey and Mr. John Bree. Mr. Cyril Towsey will play two pianoforte solos, "Waltz" and "Impromptu in A flat." Mr. Karl Atkinson will conclude the programme with a gramephone lecture-recital, entitled "Passion Music."

From 2YA.

N Good Friday programmes in keeping with the day will be broadcast. At 3 o'clock a relay of the ceremony in St. Gerard's Redemptorist Church of "The Stations of the Cross, will be broadcast. At 7 p.m. the cantata "Olivet to Calvary," will be relayed from St. Thomas's Anglican Church. Wellington South. The choir, which has been specially augmented for the occasion, will be assisted by Mr. Harry Phipps and Mr. W. Binet Brown, as soloists. Miss Lillian Thawley will act as organist, and the choir will be under the conductorship of Mr. W. A Gatheridge. Following the conclusion of the cantata, a studio concert will be given by the 2YA Orchestrina, and the following vocalists: Mr. John Prouse. Miss Anne Sullivan, and Mr. E. W.

From 3YA.

AT 11 a.m. a service conducted by the Rev. T. W. Armour, under the auspices of the Ministers' Association, will be relayed from the Oxford Terrace Baptist Church, The special preacher will be the Rev. L. McMaster. At 7.30 p.m. there will be a relay from the Anglican Cathedral of Bach's "St. Matthew's Passion," to be sung by the

Cathedral Choir. A studio concert will follow.

From 4YA.

THIS morning, at 10.30, a service held in Moray Place Congregational Church, under the auspices of the Council of Christian Congregations, will be broadcast by 4YA.

In the evening there will be a programme in keeping with the day.



MR. J. M. CALDWELL

The bass of the Ariel Singers, a very popular mixed quartet frequently heard from 2YA. Apart from his appearances with the quartet, Mr. Caldwell is well and favourably known as a bass soloist both at 2YA and on the Wellington concert platform.

It will open with a recording of a selection from Stainer's "The Crucifixion," as sung by the B.B.C. Choir. Local artists contributing to the programme will be Miss G. Burt (contralto), Mr. R. C. Bellhouse (baritone) and the Celeste Quintet, while solos will be provided by Mrs. C. Drake (piano) and Mr. C. Roy Spackman (violin).

SATURDAY

Racing Results

Broadcast From 1YA.

RACING results will be given from noon.

The ever-popular Radio Scamps will appear this evening in a novelty entertainment entitled "Nautical but Nice." From the title it will be seen that this programme, which, by the way, will be interspersed by items by the 1YA Orchestral Octet, will savour of the sea. Dance music to follow until 11 p.m.

From 2YA.

The programme for Easter Saturday will be of a light nature, the contributing artists being "The Melodie Four" Madame Cora Gregg, — Edmondson, of Wanganui, and Mr. Will Bishop, the popular entertainer at the piano. The usual dance programme of selected gramophone records will follow.

From 3YA.

A VAUDEVILLE and dance programme has been arranged for this evening.

Mr. Lestie Fleming will sing three popular numbers — "Gipsy John," "Rolling Down to Rio," and "Old Farmer John." The Chatterboxes will present two twenty-minute entertainments of mirthful songs and sketches. A bright instrumental programme will be given by the Studio Octet, under Mr. Harold Beck.

From 4YA.

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

A Well-known Conductor

"THE New Zealand Methodist
Times," commenting on the recent Conference Musical Festival.
which was such an outstanding event
in the musical history of Wellington,
pays a striking tribute to the conductor, Mr. H. Temple White.

It also adds: "The conductor is to be congratulated on having secured as soloists the services of three of New Zealand's leading vocalists in the persons of Miss Myra Sawrar (soprano). Mr. Hubert Carter (tenor) and Mr. William Watters (baritone), and the assistance of one of the finest orchestras in the Dominion-that of 2YA Broadcasting Station. One cannot praise too highly the support rendered by this capable orchestra under the leadership of Miss Ava Symons to chorus and soloists alike. Their work was without a flaw."



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CHRISTCHURCH.

Full Programmes for Next

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Sunday, April 13

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, APRIL 13.

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

4.30: Close down.

6.0 : Children's Song Service, conducted by Uncle Leo. 6.55: Relay of evening service from St. David's Church. Preacher, Rev. D.

C. Herron. Organist, Mr. E. S. Craston. 8.30: (approx.) Relay of concert from the Town Hall by the Auckland Municipal Band, under the conductorship of Mr. Christopher Smith.

9.45: (approx.) God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, APRIL 13.

3.0 to 4.30: Afternoon session.

6.0 : Children's Song Service, conducted by Uncle George, assisted by the Kaiwarra Methodist Sunday School Choir.
7.0 : Relay of evening service of Taranaki Street Methodist Church. Preacher, Rev. T. R. Richards. Organist and Choirmaster, Mr. H. Temple White. At the conclusion of the service the choir, under Mr. H. Temple White, will render Stainer's sacred cantata, "The Crucifixion," the soloists being Mr. W. Roy Hill (tenor) and Mr. C. W. Svenson (bass).

8.15: (approx) Relay from the Grand Opera House of the Port Nicholson Silver Band's First Recital of the 1930 Season.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, APRIL 13.

3.0 : Afternoon session-Gramophone recital.

4.30: Close down.

5.30: Children's song service by children of the Baptist Sunday Schools.

6.15: Chimes from studio.

6.30: Relay of evening service from Oxford Terrace Baptist Church (Preacher, Rev. A. W. Bean (of Auckland); Choir Conductor, Mr. K. G. Archer; Organist, Mr. Melville Lawry.

7.45 (approx.): Specially selected gramophone items.

8.15 (approx.): Studio programme:

Instrumental — Christchurch Broadcasting Trio, "Allegro" from "C Major Trio" (Mozart). 8.24: Male choir—Lay Vicars of Westminster Abbey, "Stars of the Summer Night" (Cruickshank) (H.M.V. B2781). 8.27: Harp—Mr. Harry Glaysher, "By the Fountain" (MS.).

5.23: Harp—Mr. Harry Glaysher, "By the Fountain" (MS.).
8.32: Baritone with harp and piano—Mr. Rex Harrison, (a) "Abide with Me" (Liddle), (b) "The Blind Ploughman" (Con Clarke).
8.40: Instrumental—Christchurch Broadcasting Trio, (a) "Minuet" (Frank Bridge), (b) "Gavotte," (c) "Allegretto."
8.48: Baritone—Mr. Rex Harrison, (a) "From the Land of the Sky-Blue Water" (Cadman), (b) "Far Off I Hear a Lover's Flute," (c) "The Moon Drops Low."
8.56: Instrumental—Christchurch Broadcasting Trio (a) "Pactal Minuet"

8.56: Instrumental—Christchurch Broadcasting Trio, (a) "Pastel Minuet" (Paradis), (b) "Serenade" (Arensky), (c) "Scherzo" (Schubert).

9.8 : Weather report and announcements.

9.10: Orchestral—Royal Albert Hall Orchestra, "Chanson de Matin" (Elgar).
9.18: Baritone—Mr. Rex Harrison, (a) "Hark What I tell to Thee" (Spirit song) with alto obbligato (Haydn), (b) "It Is Enough" (from "Elijah" (Mendelssohn).
9.26: Harp—Mr. Harry Glaysher, "The Minstrel's Adieu to His Native

Land" (MS.).
9.31 · Orchestral—San Francisco Symphony Orchestra, "Caprice Viennois"

(Kreisler) (H.M.V. D1272). God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, APRIL 13.

3.0 : Chimes. Selected gramophone items.

dich. Lia er

4.30: Close down.

5.30: Children's Song Service, conducted by Big Brother Bill,

6.15: Close down.

6.30: Evening service, relayed from St. John's Anglican Church. Preacher, Archdeacon Fitchett.

7.45: Ballet music-New Symphony Orchestra, "Le Cid" (Massenet): (a) Castillane, (b) Aubade, (c) Andalouse, (d) Aragonaise, (e) Madrilene, (f) Navarraise (H.M.V. C1638/39).

Choir and organ—Wedding Music at St. Margaret's, Westminster. Violin—Kreisler, "Meditation" (Massenet) (H.M.V. DB1207). Church choir and grand organ—"Holy, Holy, Holy" (Dukes).

8.0 : Relay from Hanover Street Baptist Church of Stainer's "Crucifixion." Soloists: Rev. L. North and Mr. J. Leech.

9.15: God Save the King.

Monday, April 14

1YA, AUCKLAND (900 KILOCYCLES)-MONDAY, APRIL 14. SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES) -- MONDAY, APRIL 14.

3.0 : Chimes. Selected studio items.

3.30 and 4.30: Sports results.

4.55; Close down.

5.0 : Children's session.

6.0: Dinner music session, "H.M.V." Hour: Suite—London Symphony Orchestra, "Czar Sultan Suite" (Rimsky-Korsakov) (D1491).

Waltz-International Concert Orchestra, "Waltz Dream" (Strauss).

6.12: Tacet.

6.15: Suite-New Light Symphony Orchestra, "Peer Gynt Suite" (Grieg): (1) Ingrid's Lament, (2) Arabian Dance (C1571)

New Light Symphony Orchestra, "Prelude in G Minor" (Rachmaninoff)

6.27: Tacet.

6.30: Suite—New Light Symphony Orchestra, "Peer Gynt Suite" (Grieg);
(1) Return of Peer Gynt, (2) Solveig's Song (C1572).

New Light Symphony Orchestra, "Prelude in C Sharp Minor" (Rach-

maninoff) (Zonophone EF24).

6.45: Philadelphia Symphony Orchestra, "Danse Orientale" (Glazounov). Waltz-International Concert Orchestra, "Sari" (Kalman) (Zono.) March—Philadelphia Symphony Orchestra, "March of the Caucasian Chief" (Ippolitoff—Iwanoff) (E521).

6.57: Tacet.

6.57: Tacet.
7.0: News session, market reports and sports results.
7.40: Lecturette—Mr. H. C. South, "Books—Grave and Gay."
A special programme by the Choir of St. Mary of the Angels and the 2YA Orchestrina. The Choir and the Orchestrina will perform under the conductorship of Signor A. P. Truda.

8.0: Chimes. Overture—2YA Orchestrina, "Rosamunde" (Schubert).
8.9: Contralto with orchestra—Mrs. T. Treacey, "Softly Awakes My Heart" (Saint-Saens)

(Saint-Saens).

8.14: Trumpet solo with orchestra—Mr. Sydney Bernard, "Adieu" (Schubert)
8.18: Soprano—Miss Kathleen Ferris, "Jewel Song" from "Faust" (Gounod).
8.22: Male choir—Male Voice Choir of Vienna, "Die Nacht" (Schubert).
8.26: Piano concerto—Mrs. G. Aldridge, "First Movement of Concerto in

A Minor" (Grieg).

8.36: Mezzo-soprano with orchestra - Mrs. A. P. Truda, "Ave Maria" (Cherubini).

8.40: Violin—Miss Ava Symons, "Meditation" (Massenet).
8.44: Soprano and tenor duet with orchestra—Mrs. A. P. Truda and Mr. L. Stapp, "The Crucifix" (Faure).
8.48: Selection—2YA Orchestrina, "Ecstasy" (Ganne).

8.56: Male choir-Male Voice Choir of Vienna, "Der Tanz" (Schubert).

9.0 : Weather report and announcements.

9.2: Choral - St. Mary of the Angels Choir, "Kyrie and Gloria" from Schubert's Mass in G.

9.9 : Sacred overture-2YA Orchestrina, "Madonna" (arr. Moses).

9.19: Choral-The Choir, "Credo and Sanctus" (Schubert's Mass in G).

9.25: 'Cello with orchestra-Mr. Claude Tanner, "Reve Angelique" (Rubiastein).

9.29: Vocal trio—Mrs. A. P. Truda, Messrs. Charles Edwards and T. C. Wood, "Benedictus" (Schubert's Mass in G).
9.38: String quintet—Venetian Players, "Erne Kleine"; (a) "Romanza," (b)

"Allegro" (Mozart) (Regal G20467).

9.44: Choral—The Choir, (a) "Tota Pulchra" (Perosi) (first performance in New Zealand), (b) "Ave Verum" (Turner) (unaccompanied), (c) "Haec Dies" (Turner).

10.4 : God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)-MONDAY. APRIL 14.

Afternoon session-Gramophone recital.

4.25: Sports results.

4,30: Close down. 5.0 : Children's hour-"Scatterjoy."

6.0 : Dinner session—"H.M.V." Hour. Overture—H.M. Coldstream Guards Band, "Poet and Peasant" (Suppe) (H.M.V. Cl315). Orchestral—Symphony Orchestra, "Love, the Magician" (de Falla).

6.12: Tacet.

6.15: March—National Military Band, "Liberty Bell" (Sousa) (Zono. 5366). Waltz—International Novelty Quartet, "Cuckoo" (Johasson).

Week-all Stations-to Apl. 20

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Waltz-Jack Hylton's Orchestra, "Spanish Rose" (Pearson) (B5481). Xylophone Sam Herman, "Al Fresco" (Zonophone EE53).

6.27: Tacet.

Orchestral - New Light Symphony Orchestra, "In a Clock Store" (Orth) (C1308).

March-Royal Opera Orchestra, "Marche Hongroise" (Berlioz). Orchestral—Symphony Orchestra, "Spanish Dance" (de Falla).

6.45: Schottische-International Novelty Quartet, "Lena" (Mewes). Pipe organ, piano, trombone and harp—"Shilkret's Rhythm Melodists.
"When You're With Somebody Else" (Gilbert) (EA336).

Waltz-Jack Hylton's Orchestra, "The Angelus (Damarell) (B5481).

March-National Military Band, "El Capitan" (Sousa) (Zono. 5366).

6.57: Tacet.

7.0 : News session.

7.30: Talk—Mr. J. L. Tennent (last of series), "Treatment and Care of the Feet."

Chimes. Band programme by the Woolston Band (Conductor, R. J. Estall), and assisted by 3YA artists. : March—Band, "Dunedin" (Alford).

Overture-Band, "Zauberflote" (Mozart),

8.13: Tenor — Mr. Arthur T. Couch, (a) "Kashmiri Song" (Woodforde-Finden); (b) "Why Shouldn't I?" (Kennedy-Russell).

8.19: Violin with organ—De Groot and Terence Casey, "Cavatina" (Raff). 8.23: Soprano—Miss Linda Mills, "When the Heart is Young" (Dudley

Buck) 8.27: Orchestral—Nat Shilkret and Salon Group, Stephen Foster Melodies, "Ring de Banjo," "Oh Lemuel," Camptown Races," "Nelly Bly,"

"Oh Boys, Carry Me Long," "Lou'siana Bell" (Foster) (H.M.V.).
8.31: Recitation—Mr. J. P. Darragh, "In Fifteen Parts" (MS.).

8.36: Trombone solo to band accompaniment—Soloist, Mr. E. Williams, "The Joker" (Moss).

8.41: Contralto—Miss Elizabeth Vass, (a) "For All Eternity" (Mascheroni); (b) "Home Song" (Liddle).

8.46: Saxophone duet—Rudy Wiedoeft and Arnold Brilhart, "La Golondrina."
8.49: Baritone—Mr. Robert W. Rofe, (a) "The River of Years" (Marzials);
(b) "Father O'Flynn" (Stanford).
8.55: Humoresque—Band, "The Coster's Courtship" (McKenzie).

9.3: Weather report and announcements.
9.5: Tenor—Mr. Arthur T. Couch, "A Farewell" (Liddle).
9.9: Violin with organ—De Groot and "Terence Casey, "Parted" (Tosti).
9.12: Soprano—Miss Linda Mills, (a) "O Ship of my Delight" (Phillips); (b) "The Kerry Dance" (Molloy).

9.18: Cornet solo to band accompaniment-Mr. R. Ohlson, "Love's Old Sweet Song" (Molloy)

9.23: Recitation-Mr. J. P. Darragh, "The Eyeglass Cowboy" (MS.).

9.28: Orchestra and chorus—Nat Shilkret and Salon Group, Stephen Foster Melodies, "Old Folks at Home" (Foster) (H.M.V. C1657).
9.31: Contralto—Miss Elizabeth Vass, "You'll Get Heaps of Lickins" (Con

Clarke).

9.85: Foxtrot—Band, "Singing in the Rain" (Brown).
9.89: Baritone—Mr. Robert W. Rofe, "A Sergeant of the Line" (Squire).
9.43: Shanties—John Goss and Cathedral Quartet, (a) "Fire Down Below";

(b) "Hullabaloo Balay"; (c) "Haul Away, Joe"; (d) "Drunken Sailor" (arrgd. Terry) (H.M.V. B2420).

9.49: Waltz—Band. "Pagan Love Song" (Brown).
Grand march—Band. "Pomp and Circumstance' (Elgar). God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, APRIL 14.

3.0 : Selected gramophone items.

4.25: Sporting results.

4.30: Close down.

Children's hour, conducted by Uncle Allan.

: Dinner music-"H.M.V." Hour:

Selection—New Mayfair Orchestra, "Lilac-Time" (Schubert-Clutsam). Orchestral—Royal Opera Orchestra, "'Carmen' Ballet No. 1" (Bizet).

6.15: Orchestral-National Symphony Orchestra, "William Tell' Overture" (Rossini) (Zonophone 2969-70).

6.27 : Tacet.

6.27: Tacel.
6.30: Instrumental—Royal Opera Orchestra, "Sylvia Ballet—Pizzicato and Procession of Bacchus" (Delibes) (C1418).
Orchestral—Royal Opera Orchestra, "'Carmen' Ballet No. 2 (Bizet).

6.45: Orchestral—London Symphony Orchestra, "Chanson de Matin" (Elgar) Trio—Fritz and Hugo Kreisler and Michael Raucheisen, "Arlesienne Intermezzo" (Bizet, arr. Kreisler) (DB1166). Instrumental-Philadelphia Symphony Orchestra, "Nocturne No. 2-Fetes" (Debussy) (E507)

6.57: Tacet.

7.0 : News session.

8.0 : Chimes. Selection-Mayfair Orchestra, "No, No, Nanette" (Newmans)

8.9: Musical comedy presentation by 4YA Majors, "No, No, Nanette" (Newmans) (H.M.V.): Soprano, Miss Freda Elmes; Contralto, Miss D. Skinner; Tenor, Mr. W. Harrison; Bass, Mr. L. M. Cachemaille.

8.30: Trio—Misses Ethel Wallace and Baker and Mr. Blyth, (a) "Three Spanish Dances" (Moszkowsky), (b) "Love Song" (Flegier).
8.40: Continuation of "No, No, Nanette" by the Majors.
8.54: Violin—Miss Ethel Wallace, "Bolero" (Bohm).

9.0 : Weather report.

9.2: Selection—New Symphony Orchestra, "Le Cid' Ballet Music": (1)
Castillane, (2) Aubade, (3) Andalouse, (4) Aragonaise (Massenet)
9.10: Bass—Mr. L. M. Cachemaille, "The Crown of the Year" (Martin).
9.13: Trio—Misses Wallace and Baker and Mr. Blyth, (a) "Danse Grotesque"
(Tschakoff), (b) "Romance" (Rubinstein).
9.23: Soprano—Miss Freda Elmes, "Full Moon" (Woolmer).
9.26: Piano—Mr. C. Drake, "Rondo Capriccioso" (Mendelssohn).
9.34: Chorus—Light Opera Company, "Lilac Domino" (Cavillier) (H.M.V.).
Organ—Reginald Foort, "Love's Garden of Roses" (Haydn Wood).
9.42: Tenor—Mr. W. Harrison, "A Dream" (Bartlett).
9.45: Trio—Misses Wallace and Baker and Mr. Blyth, (a) "Variation
(Chaminade), (b) "To Spring" (Grieg).
9.52: Contralto—Miss D. Skinner, "Hurdy Gurdy Man" (Schubert).
9.55: Orchestral—New Symphony Orchestra, "Le Cid' Ballet Music" (Massenet): (5) Navarraise, (6) Madrilene (H.M.V. C1639). 9.2 : Selection-New Symphony Orchestra, "'Le Cid' Ballet Music": (1)

senet): (5) Navarraise, (6) Madrilene (H.M.V. C1639).

10.1 : God Save the King.

Tuesday, April 15

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, APRIL 15.

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

4.30: Close down.

5.0 : Children's session conducted by Uncle Dave.

6.0 : Dinner session-"H.M.V." Hour:

Orchestral—New Symphony Orchestra, "'Le Cid' Ballet Music": (a) Castillane, (b) Aubade, (c) Andalouse, (d) Aragonaise" (Mas-Violin-Heifetz, (a) Jota. (b) Puck; (a) De Falla, (b) Grieg (arr.

Achron) (DB1216).

Orchestral—Marek Weber and his Orchestra, "Menuett No. 1" (Paderewski) (B2026).

6.14: Tacet.

6.15: Band—Band of H.M. Coldstream Guards, "Iolanthe" (Sullivan). Orchestral—The London Orchestra, "Valse Memories," Parts 1 and 2 (arr. Somers) (5257). Organ—R. E. McPherson, "Ninette" (Maud) (B3118).

6.28: Tacet.

6.30: Orchestral-New Symphony Orchestra, "'Le Cid' Ballet Music": (1) Madrilene, (b) Navarraise (Massenet). Violin—Heifetz, "On Wings of Song" (Mendelssohn) (DB1216). Band—Band of H.M. Coldstream Guards, "Pirates of Penzance" (Sullivan) (C1368).

6.43: Tacet.

6.45: Orchestral—Marek Weber's Orchestra, "I Pagliacci" (Leoncavallo).
Organ—R. E. McPherson, "A Japanese Sunset" (Deppen) (B3118).
Orchestral—Marek Weber and Orchestra, "Cœur Brise" (Gillet).

6.59: Tacet.

7.0 : News and market reports.

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

8.0 : Chimes. Presentation of the three-act comedy "Three Wise Fools" (Auston Strong) by Mrs. Zoe Bartley-Baxter and Company.
Overture—Marek Weber and his Orchestra, "The Beggar Student"
(Millocker) (H.M.V. C1528).

Act 1: Drawing room of mansion occupied by three bachelors, "The Three Wise Fools."

Entr'acte-New Mayfair Orchestra, "Five O'Clock Girl" (Ruby).

Act 2: The same scene—a week later.

Entr'acte—New Mayfair Orchestra, "Love Lies" (Mayerl) (H.M.V.). Act 3: The same scene—a month later—converted into Fairyland on

the occasion of Birthday Party. Orchestral—Philadelphia Symphony Orchestra, "March of the Smugglers," from "Carmen" (Bizet) (H.M.V. D1618).

God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, APRIL 15.

3.0 : Chimes. Selected studio items. 3.30 and 4.30: Sports results.

4.55: Close down.

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

6.0 : Dinner session, "Columbia" Hour.

Band—Band of the Garde Republicaine of France, "The Two Pigeons."

1. Entrance of Tziganes; 2. Scene and March of the Two Pigeons;

3. Hungarian Dance; 4. Theme and Variations (Messager).

6.14: Tacet.

6.15: Orchestral—Modern Dance Players, "Over the Waves" (Rosas).
Orchestral—Modern Dance Players, "Amoretten Tanze" (Gung'l).
Piano—Gil Dech, "Le Jet D'Eau" (Smith) (01719).

Band—B.B.C. Wireless Military Band, "Fourpence-Halfpenny Farthing" (arrgd. Cecil J. Sharp) (01710).

Trio—Stellar Instrumental Trio, "The Maiden's Prayer" (Badarzewska) (01719).

6.28: Tacet.

6.30: Band-H.M. Grenadier Guards, "Fantasia on 17th Century Music A.D. 1664" (arrgd. Major George Miller) (02890).

Saxophone-Rudy Wiedoeft, "Melody" (Dawes) (01180).

Orchestral-Continental Novelty Orchestra, "Los Claveles de Sevilla" (Guerrero) (Regal G20552).

6 43 : Tacet.

6.45: Orchestral—Continental Novelty Orchestra, "Les Lagarteranas" (Guerrero and Foulkes) (Regal G20552).

Instrumental—Squire Celeste Octet, "Come Into the Garden Maud"

(Balfe, arrgd, Sear) (01103).

Instrumental—Squire Celeste Octet, "Killarney" (Balfe, arrgd. Sear). Organ—Terence Casey, "I'm Lonely" (Coates) (01501). Band—B.B.C. Wireless Military Band, "Lilli Burlero" (arrgd. Cecil

J. Sharp) (01710).

6.58: Tacet.

7.0 : News session, market reports and sports results.

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

A Popular Programme by the Radiolites Concert Party and the Salon Orchestra.

8.0 : Chimes.

Overture—The Salon Orchestra, Conductor' Mr. M. T. Dixon, "Egmont" (Beethoven).

8.9 : Chorus—The Radiolites, introduce themselves in a Novelty Opening Chorus.

Tenor—"Macushla" (Macmurrough).
Sketch—"The Wedding" (Peach).
8.23: Instrumental—Salon Orchestra. (a) "Madrigale" (Drdla); (b) "Dance of the Tea Dolls" (Schmidt-Hagen).

8.33: More Radiations from the Radiolites.

The Soprano in a light ditty.

Baritone-"A Chip of the Old Block" (Squire).

Violin solo-"Serenade" (Widor).

Duet—"Kissing" from "The Geisha" (Jones).

8.49: Salon Orchestra, Request litem, "In a Chinese Temple Garden" (Ketelbey).

8.57: Weather report and announcements.

8.59: Instrumental—Trio, Messrs. W. Haydock, S. Chapman, and M. T. Dixon, (a) "Andante" (Beethoven-Kreisler); (b) "Gypsy Dance" (Bohm).

9.9 : Radiations from the Radiolites.

Humour at piano—"I'm Tickled to Death I'm Single" (Gideon).

Violin-"Serenade" (Drdla). The Soubrette will entertain.

Sketch—"Shades of Shakespeare" (MS.).
9.27: Waltz—Salon Orchestra, "Tout Paris" (Waldteufel).
9.33: Dance Pragramme, "Columbia."

Foxtrot—Ben Selvin's Orchestra, "Broadway Melody" (Brown).

Foxtrot-Leo Reisman's Orchestra, "My Castle in Spain is a Shack in the Lane" (Friend) (01544).

Foxtrot—Broadway Nitolites, "You Were Meant for Me" (Brown). Foxtrot—The Knickerbockers, "That's the Good Old Sunny South" (Ager) (01544).

9.42: Entertainer-Norman Long, "What Did the Village Blacksmith Say?" (Squires) (01533).

Foxtrot—Ben Selvin's Orchestra, "He, She and Me" (Lombardo).
Foxtrot—Paul Whiteman's Orchestra, "Louise" (Whiting) (07022).

Foxtrot—Faul Whiteman's Orchestra, Louise (Whiting) (01024).
Foxtrot—Ipana Troubadours, "Deep Night" (Henderson) (01539).
Waltz—Paul Whiteman's Orchestra, "Blue Hawaii" (Baer) (07021).
Waltz—Paul Whiteman's Orchestra, "My Angeline" (Wayne).

10.0: Duet—Flotsam and Jetsam. "We Never Know What to Expect" (Flot-

sam and Jetsam) (01530).
Foxfrot—Piccadilly Players, "Make Believe" (Kern) (01408)

Foxtrot—Facadiny Flayers, Make Beneve (Kern) (01408).
Foxtrot—Jan Garber's Orchestra, "Guess Who?" (Davison) (01489).
Foxtrot—Piccadilly Players, "Why Do I Love You?" (Kern) (01408).
Foxtrot—Paul Specht's Orchestra. "My Annapolis and You" (Weinberg) (01539).

10.15: Organ-Frederic Curzon, "For Old Time's Sake" (de Sylva)

Foxtrot—Gil Dech's Syncopators, "My Mammy" (Lewis) (01520).
Foxtrot—Stellar Dance Band, "If I Had You" (Shapiro).
Foxtrot—Harry Reser's Syncopators, "Here Comes the Show Boat"

(Rose) (01583),

Foxtrot-Harry Reser's Syncopators, "Where Did You Get That Name" (Klein) (01583).

10.30: Entertainer—Norman Long, "Overture 1929" (Carlton) (01533).
Foxtrot—Geoffrey Helder's Kettner Five, "Shout Hallelujah! 'Caus I'm Home" (Dixon) (G20476).

Foxtrot—Paul Whiteman's Orchestra, "Nola" (Ardnt) (07022).
Foxtrot—Stellar Dance Band, "How About Me?" (Berlin).
Foxtrot—Geoffrey Helder's Kettner Five, "Happy Days and Lonely

Nights" (Rose) (Regal G20476). Waltz—Paul Whiteman's Orchestra, "Coquette" (Berlin) (07021).

10.48: Duet-Flotsam and Jetsam, "When I Grow Old Dad" (Flotsam and

Jetsam) (01530). Foxtrot—Stellar Dance Band, "Flower of Love" (Dreyer).
Foxtrot—Paul Whiteman's Orchestra, "Chinese Lullaby" (Bowers).

Waltz-Gil Dech's Syncopators, "I'll Always Be in Love With You" (Ruby) (01520).

Waltz-Stellar Dance Band, "Marie" (Berlin) (Regal G20486).

11.0 : God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES).—TUESDAY, APRIL 15. SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES).—TUESDAY, APRIL 15

Selected gramophone items. 3.0 : Chimes.

4.25: Sports results.

4.30: Close down.

5.1 : Children's Hour, conducted by Uncle George.

6.0 : Dinner music, "Columbia" Hour.

Selection-H.M. Grenadier Guards Band, "New Sullivan Selection". Waltz-Court Symphony Orchestra, "Destiny Waltz" (Bynes) (564).

6.12: Tacet.

6.15: Orchestral—Columbia Symphony Orchestra, "Idilio" (Lack) (01076). Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor): 1. Un Sonnet d'amour; 2. La Tarantelle Fretillante (02589).

Wurlitzer organ solo-Terence Casey, "I'm Lonely" (Coates) (01501).

6.42: Tacet.

6.45: Dance Suite—H.M. Grenadier Guards Band, "Nell Gwynn Dances" (German): 1. Country Dance; 2. Pastoral Dance (01329). Orchestral—Columbia Symphony Orchestra, "Spring Song". Waltz—Symphony Orchestra, "Morgen Blatter" (Strauss) (9218).

6.58: Tacet.

7.0 : News session.

7.15: Talk-Mr. R. W. Marshall, "Tourist Resorts."

8.1 : Programme of music to be rendered by the Kaikorai Band, under direction of Mr. Thos. J. Kirk-Burnnand, assisted by 4YA artists. Lancers-Band, "Cosmopolitan Lancers" (Bennett).

8.12: Soprano-Miss Rita Holmes, "The Spinning Wheel" (Stella).

8.16: Organ—Frederick Curzon, "Lady Divine" (Shilkret) (Regal G20557). 8.19: Recitals—Miss N. Warren: (a) "The Old Stage Queen" (Wilcox);

8.19: Recitals—Miss N. Warren: (a) "The Old Stage Queen" (Wilcox);
(b) "Pennarby Mine" (Doyle).
8.26: Selection—Band, "Pirates of Penzance" (Sullivan).
8.36: Baritone—Mr. William Ruffell, "From Oberon to Fairyland" (Slater).
8.42: Novelty—Len Fillis Novelty Trio, "Heart of the Sunset" (Wright).
8.48: Contralto—Miss Mary Teviotdale: (a) "Sunrise and Sunset" (Spross);
(b) "Virgin's Slumber Song" (Reger).
8.55: Valse—Band. "Destiny" (Baynes)
Male quartette—Hudson Singers "I'm Feathering a Nest" (Valley)

Male quartette-Hudson Singers, "I'm Feathering a Nest" (Yellen) (Columbia 01698). 9.1 : Weather report.

9.3 : Orchestral-Herman Finck's Orchestra, "Gaiety Echoes" (Caryll-Monekton) (Columbia 02914).

9.11: Soprano-Miss Pita Holmes: (a) "I Wonder if Love is a Dream" (Forster); (b) "The Flowers of the Forest" (Tradtl.).

9.17: Selection—Band, "Rigoletto" (Verdi).

9.25: Recital-Miss N. Warren, "Movie Mad" (Rome).

9.30: Organ-Frederick Curzon, "Broadway Melody" (Brown) (Regal G20557).

band accompaniment-Ira Coughlan, "Lucky Dog" 9.33: Cornet with (Bayliss).

9.37: Male quartette-Hudson Singers, "Where the Bab-bab-babbling Brook" (Pease) (Columbia 01698). Valse—Band, "Down the Vale" (Allan).

9.40: Baritone—Mr. William Ruffell: (a) "The Shade of the Palm" (Stuart); (b) "Hinton Dinton and Mere" (Halliday).

9.45: Male Chorus, novelty-Fereras Golden Hawaiians, "My Song of the Nile" (Bryan) (Regal G20588). 9.51: Contralto—Miss Mary Teviotdale, "Casend Hill" (Coningsby-Clarke).

9.54: Concert March-Band, "B.B. and C.F." (Hume). 10.0 : God Save the King.

Wednesday, April 16

1YA, AUCKLAND (900 KILOCYCLES)-WEDNESDAY, APRIL 16.

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

4.30: Close down,

5.0 : Children's hour, conducted by Uncle Tom.
6.0 : Dinner session programme—"Columbia" Hour.
Selection—H.M. Grenadier Guards, "Merrie England" (German).
Instrumental—Bournemouth Municipal Orchestra, "Idylle Bretonne"
(Gennin) (02809). 6.12: Tacet.

6.15: Waltz-Jacque Jacobs Ensemble, "L'Estudiantina" (Waldteufel). Instrumental—Plaza Theatre Orchestra, (a) "A La Gavotte" (Finck); (b) "Minuet" (Finck) (Columbia 01439).

March-H.M. Grenadier Guards Band, "Old Panama" (Alford).

6.27: Tacet. 6.30: Instrumental-Ketelbey's Concert Orchestra, "The Sacred Hour" (Ketelbey) (01528). Instrumental—Sandler's Orchestra, "Someday, Somewhere" (Rapee). Instrumental—Bournemouth Municipal Orchestra, "Fluttering Birds" (Gennin) (02809).

6.43: Tacet. 6.45: Quartet-Musical Art Quartet, (a) "Mighty lak' a Rose" (Nevin); (b) "To a Wild Rose" (McDowell) (01506). Instrumental—Sandler's Orchestra, "Sonny Boy" (de Sylva) (01521). March—H.M. Grenadier Guards, "Dunedin" (Alford) (01535).

7.0 : News and market reports.

1,7.40: Talk—Madame Mabel Milne, "Health and Diet."

8.0 : Chimes. Special programme to be presented by the Orchestra of the Auckland Orphans' Club, under the conductorship of Orphan Harold Baxter, and assisted by Brother Orphans. March—The Orchestra, "London Scottish" (Haines).

Overture—The Orthestra, "Hungarian Lustpiel" (Bela). \$.15: Baritone with orchestral accompaniment, Orphan Bernard Carter. (a) "Company Sergeant Major" (Sanderson); (b) "When You and I Were Young, Maggie" (Danks).

8.22: Three dances—The Orchestra, "Nell Gwynn" (German).

8.31: Quartet—Goodrich Silvertown Quartet, "Old Pals are the Best Pals

After All" (Austin) (Columbia 01296).
8.34: Bell solo—The Orchestra, "Weymouth Chimes" (Howell).
8.38: Humour—Orphan Rex Yates, "Nell" (Bennett).

8.43: Selection—The Orchestra, "Chu Chin Chow" (Prowes).
8.53: Male choir—Sheffield Orphans Male Voice Choir, "Hymn Before Action" (Walford-Davies) (Regal G80008).

8.57: Evening forecast and announcements. 8.59: Suite—The Orchestra, "American Suite": (1) March, (2) The Bells, (3) Patrol (Thurban). 9.11: Baritone with orchestral accompaniment, Orphan Stan Pritchard, (a)

"The Trumpet" (Dix); (b) "My Old Shako" (Sanderson).

9.18: Quartet-Goodrich Silvertown Quartet, "A Japanese Sunset" (Deppen).

9.18: Quartet—Goodrich Silvertown Quartet, "A Japanese Sunset" (Deppen).
9.21: Violin—Orphan Frank Hoffey, "Czardas" (Monti).
9.26: Humour—Orphan Rex Yates, "Comparisons" (Original).
9.32: Sketch—The Orchestra, "Way Down South" (Buccalossi).
9.39: Duet—Trix Sisters, "Stay Out of the South" (Dixon) (Col. 01336).
9.42: Selection—The Orchestra, "Gipsy Love" (Lehar).
9.51: Male choir—Sheffield Orphans' Male Voice Choir, "The Long Day Closes" (Sullivan) (Columbia G39008).
9.54: Waltz—The Orchestra, (a) "Wean'r Mad'ln" (Zishner); (b)

9.54: Waltz—The Orchestra, (a) "We March, "Wellington" (Bidgood).

10.5 : Close down.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, APRIL 16. SILENT DAY.

3YA, CHRISTCHURCH (980 KILOCYLES) -- WEDNESDAY, APRIL 16.

3.0 : Afternoon session-Gramophone recital,

4.25: Sports results. 4.30: Close down.

5.0: Children's hour—"Uncle John." (6.0: Dinner session—"H.M.V." Hour.

Orchestral-New Light Symphony Orchestra, "Merry Wives of Windsor" (Nicolai) (C1260).

Waltz-Marek Weber's Orchestra, "Moonlight on the Alster" (Fetras).

6.15: Intermezzo-New Light Symphony Orchestra, "Hearts and Flowers" (Tobani) (Zonophone EF20). Waltz—Marek Weber's Orchestra, "Wine, Women and Song" (Weber).

Wurlitzer organ solo-Reginald Foort, "By the Blue Hawaiian Waters" (Ketelbey) (C1459).

6.26: Tacet.

6.30: Orchestral-New Light Symphony Orchestra, "The Glowworm Idyll" (Lincke) (Zonophone EF20). Orchestral—Victor Salon Orchestra, "Indian Love Call" (Rose Marie)

(Friml) (EA186). Orchestral Victor Salon Orchestra, "The World is Waiting for the

Sunrise" (Lockhart) (EA186).

Orchestral-De Groot and His Orchestra, "When Summer is Gone" (Harrison-Wilhite) (H.M.V. B3035).

6.43: Tacet.

6.45: Orchestral—De Groot's Orchestra, "The Merry Widow" (Lehar).
Wurlitzer organ solos—Reginald Foort, (a) "Leave Me Alone"; (b) "Songs My Mother Taught Me" (Dyorak) (C1459).

6.57: Tacet.

7.0 : News session.

8.0 : Chimes.

Overture—Columbia Symphony Orchestra, "Aritana" (Wallace). 8.9: Soprano—Miss Gladys Brooks, (a) "Bend Low Thine Ear" (Besley). (b) "A Blackbird's Song" (Cyril Scott).

8.15: Relay from the Civic Theatre of Organ Recital by Mr. Leslie Harvey, 8.35: Tenor—Mr. Harold Prescott, "E Lucevan le Stella" (from "Tosca"), (Puccini).

8.39: 'Cello—Mr. Harold Beck, "The Giorni" (Pergolese).
8.43: Mezzo-contralto—Mrs. Rhys Morgan, (a) "Salaam" (Agnes Lang);
(b) "Far Across the Desert Sands" (Woodforde-Finden).
8.52: Instrumental—Christchurch Broadcasting Trio, "Andante and Schenzo"
from "C Minor Trio" (Mendelssohn).

9.0 : Weather report and announcements.

9.2 : Chorus with orchestra—Milan Symphony Orchestra, "Aida" Grand March (Verdi) (Columbia 02803).

9.10: Soprano-Miss Gladys Brooks, "Alleluia" (Easter Hymn) (O'Connors Morris).

9.14: Humour—Mr. R. R. Wills, "Joe Murgatroyd" (Henry).
9.19: Organ—G. T. Pattman, "Rosalie" (Valentine) (Columbia 01348).
9.22: Tenor—Mr. Harold Prescott, (a) "Serenata" (Tosti); (b) "A Song of Thanksgiving" (Allitsen).
9.29: Male choir—Don Cossaeks, "In der Kirche" (Tschaikowsky).
9.32: 'Cello—Mr. Harold Beck, "I'Agreable" (Old French Dance) (Marki

Marias).

9.37: Mezzo-contralto—Mrs. Rhys Morgan, "The Cloths of Heaven" (Dunhill 9.41: Instrumental—Christchurch Broadcasting Trio, (a) "Cantabile" (Widor); (b) "Slavonic Dance, No. 2" (Dvorak).

9.51: Band—B.B.C. Wireless Military Band, "Dance of the Tumblers"

(Rimsky-Korsakov). God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)-WEDNESDAY, APRIL 16.

3.0 : Chimes. Selected gramophone items.

3.15: Talk-Home Science Extension Department of Otago University under the auspices of 4YA Primary Productions Committee, "Some Suggestions for Children's Parties."

4.25: Sporting results.

4.30: Close down.

5.0 : Children's Hour, conducted by Uncle Allan.
6.0 : Dinner music—"Parlophone" Hour:

Overture—Grand Symphony Orchestra, "Zampa" (Herold) (A4020).
Waltz—Dajos Bela Orchestra, "Morgenblatter" (Strauss) (A4038).

6.12: Tacet.

6.15: Instrumental—Orchestra of the Opera Comique, Paris, "Scenes Ptotoresques" (Massenet) (A4057).
Waltz—Edith Lorand Orchestra, "Vienna Waltz" (Drdla) (E10531).

6.27: Tacet.

6.30: Waltz—Dajos Bela Orchestra, "Marien Klange" (Strauss) (A4038).
Instrumental—Dajos Bela Orchestra, "Ideale" (Tosti) (A4015).
Waltz—Edith Lorand Orchestra, "Merry Vienna" (Zishrer) (E10531)

6.42: Tacet.

6.45: Waltz—Edith Lorand Orchestra, "Song of Autumn" (Waldteufel). Waltz—Queen and David Kaili, "Hawaiian March" (Ellis) (A2372). Valse intermezzo — Edith Lorand Orchestra, "The Flowers' Dream" (Translateur) (E10570).

Selection-H.M. Irish Guards, "The Desert Song" (Romberg) (A24384) 6.57: Tacet.

7.0 : News session.

7.15: Talk.—Mr. C. Weighton, M.R.C.V.S., Department of Agriculture, "Tubera culosis in Farm Animals." under auspices of 4YA Primary Presductions Committee.

8.0: Chimes. Saxophone duet and piano, Messrs. J. McCaw and T. Law and Moore-Wilson, "Ruke'n Sax" (Urbanck).

8.9 : Soprano—Miss Muriel Eagar, (a) "Off to Greenwood" (Brake), (Cloud Shadows" (Rogers).

8.14: Piano novelty—Mr. Moore-Wilson. "Birth of the Blues" (Henderson), 8.19: Light vocal—Norman D. Scurr, (a) "Do I Know What I'm Doing?"

(Whiting), (b) "Shoo, Shoo, Boogie Boo" (Whiting). 8.25: Saxophone—Mr. J. McCaw, "Sandy River Rag" (Walton).

8.30: Talk-Mr. E. Norman Torry, "How to Write Fiction."

9.0 : Weather report.

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9.2 : Saxophone duet and piano—Messrs. J. McCaw, T. Law, and M. Wilson, "Berlin's Waltz" (Berlin).
9.9 : Soprano—Miss Muriel Eagar, "Robin Adair" (traditional).

9.12: Piano novelty—Mr. Moore-Wilson, "Greenwich Witch" (Confrey). 9.17: Light vocal—Mr. Norman D. Scurr, "You're the Cream in My Coffee®

(De Sylva).

9.23: Saxophone duet and piano—Messrs. J. McCaw and T. Law and M. Wilson, "Am I Blue" (Greer), (b) "Chicken Charlie" (Ballon). 9.30: Dance session—"Brunswick":

Foxtrot-Tom Gerun and his Orchestra, "The New Step" (Titsworthe Cowan) (4519). Foxtrot - Jack Denny and his Mount Royal Orchestra, "Blondy"

(Rubila) (4594). Foxtrot—Abe Lyman and his California Orchestra, "Lucky Me, Lovable

You" (Yellen-Ager) (4609). Foxtrot—Jack Denny and his Royal Hotel Orchestra, "Hang on to Me (Klages-Greer) (4594).

Foxtrot-Abe Lyman and his California Orchestra, "Love Ain't Nothing but the Blues" (Goodwin-Alter) (4609). 9.45: Vocal—Bob Miller and his Hinky Dinkers, "When I Put on My Long

White Robe" (Miller) (4553).

Foxtrot—Slatzrandall and his Orchestra, "I'd Do Anything for You"

(Friend-Pollack) (4562).
Foxfrot—Lloyd Huntley and his Isle o' Blues Orchestra, "Head Low"

(Cabizajo) (4643).

9.54: Waltz—Carl Fenton and his Orchestra, "Rock Me to Sleep in Your Arms" (A., P., and C. De Voll) (4578).
Foxtrot—Tom Gerun and his Orchestra, "The Web of Love" (Tits-

Foxtrot—Tom Gerun and his Orcnestra, The wwo of Love (1165) worth-Cowan) (4519).

Foxtrot—Jack Denny and his Mount Royal Hotel Orchestra, "Pretty Little You" (Ryan-Violonsky) (4551).

Foxtrot—Mill's Hotsy Totsy Band, "Some Fun" (Von Eps) (4498).

Foxtrot—Jack Denny and his Mount Royal Hotel Orchestra, "Why Can't You Love That Way?" (Bourne-Val-Oreamer) (4551).

10.9: Vocal dnet—Al and Pete, "At Nesting-Time" (Bontsema' (4670).

Foxtrot—Louis Kaizman and his Brunswick Orchestra, "Once Upon a Time" (Thompson-Stamper) (4546).

Time" (Thompson-Stamper) (4546). Foxtrot—Jesse Stafford and his Orchestra, "Feelin' the Way I Do"

(Gillespie Cooke and Moret) (4627).

Foxtrot-Lloyd Huntley and his Isle o' Blues Orchestra, "Same Old Moon-Same Old June" (Friend) (4643).

Waltz-Bob Haring and his Orchestra, "All That I'm Asking is Sym-

pathy" (Davis-Burke) (4578).

10.24: Foxtrot—Meyer Davis's Hotel Astor Orchestra, "A Year from To-day"

(Jolson-MacDonald-Dreyer) (4561).

Foxtrot—Slatzrandall and his Orchestra, "Blame It on the Moon"

(Baxter) (4562).

Foxtrot — Meyer Davis's Hotel Astor Orchestra, "He's So Unusual"
(Sheman-Lewis-Silver) (4561).

10.23: Vocal—Bob Miller and his Hinky Dinkers, "Golden Wings" (Miller).

Foxtrot—Jesse Stafford and his Palace Hotel Orchestra, "I Don't Want Your Kisses" (Fisher-Broones) (4548).

Foxtrot—Tom Clines and his Music, "Time Will Tell" (Gilbert-Baer).

Foxtrot—Meyer Davis's Hotel Astor Orchestra, "Love" (Amor-Janis-Conline) (4516).

Goulding) (4546).

Foxtrot—Tom Clines and his Music, "Perhaps" (Quizas) (4575).

Waltz—Jesse Stafford and his Palace Hotel Orchestra, "Until the End" (Fisher-Broones) 4548).

10.51: Foxtrot—Jimmie Joy and his Orchestra, "Harmonica Harry" (Baxter)
Foxtrot—Jesse Stafford and his Orchestra, "Last Night, Honey"
(McCarthy-Monaco) (4627).

Foxtrot--Jimmie Joy and his Orchestra, "Can't You Understand?" (Osterman-Young' (4640).

11.0 : God Save the King.

Thursday, April 17

1YA, AUCKLAND (900 KILOCYCLES) .- THURSDAY, APRIL 17.

\$.0 : Afternoon session-concert by Lewis Fady, Ltd. Literary selection by the Announcer.

3.15: Home Science—Talk prepared by the Home Science Department of Otago University, "Dry Cleaning."

4.30: Close down.

: Children's Session, conducted by Peter Pan.

6.0 : Dinner Session, "H.M.V." Hour. Orchestral—New Symphony Orchestra, "Minuet" (Boccherini).
Orchestral—Nat Shilkret and The Salon Group, "Stephen Foster
Melodies" (Foster); "My Old Kentucky Home" (EB42).
Band—H.M. Coldstream Guards, "Wee Macgregor's Patrol" (Amers). Orchestral-Salon Orchestra, "Pagan Love Song" (Freed-Brown),

6.15: Orchestral-De Groot and His Orchestra, "Waldteufel Memories". Band—H.M. Coldstream Guards, "Policeman's Holiday" (Ewing). Organ—Jesse Crawford, "I Get the Blues when it Rains" (EA631).

6.29: Tacet.

Band—H.M. Coldstream Guards, "Belle of New York" (Kerker).
 'Cello—Beatrice Harrison, "Viennese Melody" (Kreisler) (C1647).
 Orchestral—Nat Shilkret and The Salon Group, Stephen Foster Melodies, "Old Black Joe" (Foster) (EB42).

6.43: Tacet.

6.45: Orchestral—New Symphony Orchestra, "Nell Gwynn Dances No. 3". Organ—Jesse Crawford, "I'll Always be in Love with You".

Band—H.M. Coldstream Guards, "Geisha Selection" (Jones) (C1703). Orchestral-Salon Orchestra, "Wedding of the Painted Doll". 6.58: Tacet.

7.0 : Talk-Mr. H. H. Driver, "Book Review."

7.15: News and market reports.

8.0 : Chimes.

Overture—1YA Orchestral Octet, "Overture" from "Carmen" (Bizet). 8.9: Vocal Trio—The Snappy Three: (a) "Good Little Bad Little You"; (b) "Latest Hit" (Stept).

8.17: Saxophone duet-Members of Octet, "That Saxophone Waltz" (Sisk-Mingo)

8.21: Piano and vocal—Mr. and Mrs. Wilfred Scott, vocal: (a) "Hats off to the Staker" (Arundale). Piano: (b) "Butterfly" (Grieg); (c) "Minuet and Trio No. 2" (Shearsby). Vocal: (d) "Mate O' Mine" (Elliott).

8.36: Selection—1YA Orchestral Octet: (a) "Firefly" (Moss); (b) "Sleep, Dear Heart" (Tschaikowsky).

8.41: Talk—Mr. A. B. Chappell, M.A., "Topical Talk."
8.56: Evening forecast and announcements.
8.58: Suite—1YA Orchestral Octet: "Russett and Gold" (Sanderson): 1
Haymakers' Dance; 2. Shepherds Gay; 3. Russet Maids; 4. Come

Haymakers' Dance; 2. Shepherds Gay; 3. Russet Maids; 4. Come' Dance at our Wedding.

9.6: Vocal Trio—The Snappy Three: (a) "I Told Them all About You' (Friend); (b) "Latest Hit" (Friend).

9.13: Piano and Vocal—Mr. and Mrs. Wilfred Scott. Plano: (a) "Valse No. 14" (Chopin); (b) "The Grenadier" (Coates); (c) "Ballad No. 3" (Chopin). Plano and vocal: (d) "Latest Hits."

9.28: Selection—IVA Orchestral Octet, "Selection from musical comedy Betty" (Rubens).

'Betty'" (Rubens).

9.35: Programme of dance music, "Brunswick,"
Foxtrot—Copley Plaza Orchestra, "Old-Fashioned Lady" (Silver).

9.39: Accordion solo—"Polka Brillante" (Galla-Rini) (4060).
Foxtrot—Dave Rubinoff's Orchestra, "A Garden in the Rain".
Foxtrot—Colonial Club Orchestra, "That's You, Baby" (Gottler).
Waltz—Dave Rubinoff's Orchestra, "Blue Hawaii" (Baer) (4344).

9.51: Tenor—Allen McQuhae, "Mother Machree" (Young) (4332).
Foxtrot with vocal chorus—Copley Plaza Orchestra, "Dream Mother."
Foxtrot—Copley Plaza Orchestra, "I Never Guessed" (Vallee) (4333).

10.0: Comedian with orchestra—Sandy MacFarlane, "My Highland Rose" (MacFarlane) (4235).

(MacFarlane) (4235).
Foxtrot with vocal chorus—Bob Haring's Orchestra, "My Cairo Love"

Foxtrot with vocal chorus—Bod Haring's Orchestra, 11, Callo 2016 (Zamecnik) (4316).

Foxtrot with vocal chorus—Copley Plaza Orchestra, "Lady of the Morning" (Messenheiner) (4333).

Waltz—Bob Haring's Orchestra, "By and By, Sweetheart" (Yellen).

10.12: Accordion solo—Galla-Rini, "Sicily of Mine" (Tarantola) (4060).

Foxtrot with vocal chorus—Colonial Club Orchestra, "Love Me or Leave Me" (Kahn) (4342).

Foxtrot with vocal chorus—Hal Kemp's Orchestra, "The Things that were Made for Love" (Tobias) (4307).

were Made for Love" (Tobias) (4307).
10.21: Comedian with orchestra—Dick Robertson, "I Kiss Your Hand,

Madame" (Lewis) (4341).

Foxtrot—Hal Kemp's Orchestra, "That's What I Call Heaven".

Waltz—Regent Club Orchestra, "Dear, When I Met You" (Brown).

10.30: Piano solo, with trumpet—Lee Sims, "Caressing You" (Klages) (4339).

Foxtrot with vocal chorus—Colonial Club Orchestra, "My Sin".

Foxtrot with vocal duet-The Cotton Pickers, "Rampart Street Blues."

Foxtrot with vocal duet—The Cotton Pickers, "Rampart Street Blues."

10.39: Comedian with orchestra—Sandy MacFarlane, "Will You Come to Bonnie Scotland Where the Blue Bell Grows" (MacFarlane).

Foxtrot—The Cotton Pickers, "Kansas City Kitty" (Leslie) (4325).

Foxtrot—Slatz Randall's Orchestra, "I Get the Blues When it Rains".

Waltz, with vocal chorus—Regent Club Orchestra, "Underneath the Russian Moon" (Kendis) (4314).

10.51: Pianoforte solo—Lee Sims, "If I Had You" (Shaprio) (4339).

Old time Orchestra—Blue Ridge Ramblers: (a) "Old Joe Clark" (tradtl.); (b) "Golden Slippers" (tradtl.) (313).

11.0: God Save the King.

11.0 : God Save the King.

2YA, WELLINGTON (720 KILOCYCLES).—THURSDAY, APRIL 17.

Selected studio items. 3.0: Chimes.

3.15: Talk—Home Science, "Dry Cleaning," prepared by Home Science Extension, Department of Otago University.

3.30 and 4.30: Sports results.

3.40: Lecturette-Miss Flora Cormack, "Hollywood Celebrities."

4.55: Close down.

5.0 : Children's Session, conducted by Uncle George. 6.0 : Dinner Music, "H.M.V." Hour.

Overture—National Symphony Orchestra, "Light Cavalry" (Suppe). Waltz—Chicago Symphony Orchestra, "Roses of the South." (Strauss). 'Cello—Pablo Casals, "Moment Musical" (Schubert) (DA776).

6.12: Tacet. 6.15: Hawaiian—Hilo Hawaiian Orchestra: (1) "Kawaibau Waltz" (Kelakai): (b) "My Hula Love" (B2799).

Medley Waltz—The Troubadours, "Popular Songs of Yesterday".

Cello—Pablo Casals, "Le Cygne" (Saint-Saens) (DA776).

6.27 : Tacet.

6.31: Tacet.
6.30: Waltzes—International Concert Orchestra: (a) "The Merry Widow" (Lehar): (b) "Luxembourg" (Lehar) (Zono, EF9).
Violin and guitar—Giulietta Morino: (a) "Harlequin's Serenade" (Drigo): (b) "Could I?" (Poggis) (Zono, EE134).

6.44: Tacet.

6.45: Instrumental—New Light Symphony Orchestra: (a) "The Dancing Doll" (Poldini); (b) "At Dawning" (Cadman) (B2629).
Wurlitzer organ—Jesse Crawford, "Carolina Moon" (Davis) (EA536). Instrumental-Royal Opera Orchestra, "The Sleeping Beauty",

6.58: Tacet.

7.0: News session, market reports and sports results.
7.40: Lecturette—Mr. F. M. Ryan, "Fire Protection."
Studio Concert by the Wellington City Silver Band (conductor, Mr. C. A. Forrest) assisted by 2YA Artists.

8.0 : Chimes. March—The Band, "Duty First" (Perritt),
Selection—"Rigoletto" (Verdi).

8.14: Soprano—Miss Myra Sawyer, "A Blackbird's Song" (Scott).

8.18: Baritone—Mr. William Boardman, "The Kerry Dance" (Molloy).

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- 8.22: Novelty—Piano, Mr. Norman Izett: (a) "Variations of the Blue Bells of Scotland" (Ryder); (b) "Sparkling Cascades" (Longton).
 8.30: Elocution—Mr. D. G. Edwards, "Home, Sweet Home."
 8.36: Waltz—The Band "The Grenadiers" (Rimmer).

- 8.42: Tenor—Mr. William Renshaw: (a) "Your Song" (Oliver); (b) "Maire My Girl" (Aitken).
- 8.48: Contralto-Miss Ivy Stanton, "The Lost Chord" (Sullivan).
- 8.52: Duet—Miss Myra Sawyer and Mr. William Boardman, "In a Garden of Roses" (Sanderson).
 8.56: March—The Band, "Major and Minor" (Southwell).

- 9.0: Weather report and announcements. 9.2: Lecturette—Mr. J. W. Collins, Trade Commissioner for New Zealand. "Farewell Address prior to departure from New Zealand to Canada."
- 9.12: Descriptive selection-The Band, "Paddy's Patrol" (Dacre).

- 9.17: Soprano—Miss Myra Sawyer, "Will o' the Wisp" (Spross).
 9.20: Baritone—Mr. William Boardman, "A Smuggler's Song" (Mulliner).
 9.24: Instrumental—De Groot's Orchestra, "Waldteufel Memories" (argd. Finck) (H.M.V. B3084).
- 9.30: Humour-Mr. D. G. Edwards, "Walnuts and Wine."
- 9.35: Cornet solo—Bandsman McPherson, "Aloha Oe Like No a Like" (Lake).
- 9.42: Tenor-Mr. William Renshaw, "The Old Spinet" (Squire).
- 9.46: Orchestral—New Mayfair Orchestra, Selection "Wake Up and Dream" (Porter) (H.M.V. C1660).
- 9.50: Contralto-Miss Ivy Stanton: (a) "Napoleon to Josephine" (Onslow); (b) "Irish Lullaby" (Needham). 9.56: March—The Band, "Belphegor" (Brepsont).
- 10.0 : God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, APRIL 17.

- 3.0: Afternoon session-Gramophone recital.
- 3.15: Home Science Talk prepared by the Home Science Department of Otago University, "Dry Cleaning."
- 4.25: Sports results.
- 4.30: Close down.

- 6.12: Tacet.
- 6.15: J. H. Squire's Celeste Octet, "Chant Sans Paroles" (Tschalkowsky).

 Suite—Plaza Theatre Orchestra, "Gipsy Suite": (1) Valse, Lonely
 Life, (2) Allegro, The Dance (Herman) (02537).
- 6.27: Tacet.
- 6.21: Theer.
 6.30: Suite—Plaza Theatre Orchestra, "Gipsy Suite": (1) Menuetto, Love Duet, (2) Tarantella, The Revel (German) (02538).
 Madrid Symphony Orchestra, "Dance of the Neighbours" (De Falla).
- 6.42: Tacet.
- 0.45: Venetian Players String Quintet. (a) "Romanza" (Mozart), (b) "Ailegro" (Mozart) (Regal G20467).

 Pianoforte—Ignaz Friedman, "Romance in E Flat" (Rubinstein).

 Basle Symphony Orchestra, "Rosamunde, Entr'acte No. 2" (Schubert).
- 6.57: Tacet.
- 7.0 : News session.
- 7.30: Review of "New Zealand Journal of Agriculture" arranged by 3YA Primary Productions Committee.
- 8.0 : Chimes. Classical and miscellaneous programme:
- 8.1 : Orchestral Grand Symphony Orchestra, "Polonaise No. 1 in A" (Chopin) (Parlophone A4089).
- Quartet—Grand Opera Quartet, "All in the April Evening" (Roberton).
 Soprano—Madame Gower Burns. "The Promise of Life" (Cowen).

 8.21: Instrumental Studio Instrumental Octet (conductor, Mr. Harold Beck), "Suite in D": (1) Gavotte, (2) Bource, (3) Air, (4) Gigue (Bach).
- 8.25: Baritone-Mr. James Filer, "O! But to Hear Your Voice" (Tschaikowsky).
- 8.29: Piano—Miss Dorothy Davies, "Island Spell" (John Ireland).
 8.33: Humour—Clapham and Dwyer, "Golf" (Clapham and Dwyer) (Parlo.).
 8.39: Duet, soprano and contralto—Grand Opera Duo, "Ouis Est Homo"
 - (Power Eternal), from "Stabat Mater" (Rossini). 8.42: Instrumental—Studio Instrumental Octet, "Valse Triste" (Sibelius).
 - S.47: Tenor—Mr. Ernest Rogers, "Would You Gain the Tender Creature."
 from "Acis and Galatea" (Handel).

 8.50: Violin—Marta Linz, "Romanza Andaluza" (Sarasate) (Parlo. A2579).

 8.54: Mezzo-contratto—Miss Mavis Spiller, "Not Understood" (Houghton).
- 8.57: Male choir-Famous Forty Elks, "Annie Laurie" (Brunswick 3973).
- 9.0: Weather report and announcements.
 9.2: Instrumental—Studio Instrumental Octet, "Nutcracker Suite": (a) Arab Dance, (b) Dance of the Sugar Plum Fairy, (c) Gopak (Tschaikowsky).
- 9.9 : Duet, tenor and bass—Grand Opera Duo, "Watchman, What of the Night?" (Sargeant).
- 9.13: March—Band of Royal Air Force, "Wee Macgregor Patrol" (Amers). 9.16: Soprano—Madame Gower Burns, "Sleep, Baby, Sleep" (Somervell). 9.19: Piano—Miss Dorothy Davies, "Romance in F Sharp Major" (Schumann).
- 9.23: Tenor-Mr. Ernest Rogers, "Had You but Known!" (Denza).
- 9.27: Humour-Flotsam and Jetsam, "The Business Man's Love Song" (Hilham) (Columbia 0995).

- 9.31: Instrumental-Studio Instrumental Octet, "Melodies of Grieg" (arr. Beck).
- 9.40: Male choir—Famous Forty Elks, "Sweet and Low" (Barnby) (Bruns.)
 9.43: Bass—Mr. James Filer, "Love that's True will be Forgiven," from
 "Berenice" (Handel).
- 9.49: 'Cello—Emanuel Feuermann, "Allegro Apassionata" (Saint-Saens).
 9.52: Mezzo-contralto and quartet—Miss Mavis Spiller, "By the Waters of Babylon" (Dvorak); grand opera quartet, "I Have Longed" (Rosgini).
- 9.57: Instrumental Studio Instrumental Octet, "Entracte and Valse" (Delibes).
 - God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, APRIL 17. SILENT DAY.

Friday, April 18

1YA, AUCKLAND (900 KILOCYCLES)-FRIDAY, APRIL 18.

- 12.0 : Relay of three-hour Devotion from St. Mary's Cathedral. Preacher: Canon William Fancourt. Organist and Choirmaster: Mr. Edgar Randall.
- 3.0 : Close down.
- 7.30: Relay from Beresford St. Congregational Church of combined Congregational service. Preacher: Rev. R. C. Roberts, B.A., B.D.
- 8.30: Orchestral-San Francisco Symphony Orchestra, "Liebeslied" (Kreisler) (H.M.V. ED6).
 - Baritone—Mr. John Bree, (a) "A Legend" (Tschaikowsky); (b) "There is a Green Hill" (Gound).

 - Pianoforte—Mr. Cyril Towsey, "Impromptu in A Flat" (Schubert).

 Soprano—Madame Mary Towsey, (a) "Pieta Signore" (Stradella (b) "'Tis in Vain that I Seek" (Massenet). (Stradella)
 - Pianoforte Mr. Cyril Towsley, "Waltz" (Sibelius).
 - Vocal duet-Madame Mary Towsey and Mr. John Bree, "Crucifix"
- Gramophone Lecture Recital-Mr. Karl Atkinson, "Passion Music," 9.30 (approx): God Save the King.

2YA, WELLINGTON (720 KILOCYCLES).—FRIDAY, APRIL 18.

- - Relay of the ceremony of "The Stations of the Cross" from St. Gerard's
 - Redemptorist Church. Preacher, Rev. Father T. McManus, C.S.S.R. Choral numbers: "Stabat Mater" (traditional melody); "Adoremus te Christe" (Palestrina): "Pic Jesu" (Neidermeyer); "Eia Mater" ("Stabat Mater," Dvorak).
 - Choirmaster, Mr. Frank J. Oakes; Organist, Mr. Henry Mount.
- 7.0: Relay from St. Thomas's Anglican Church, Wellington South, of the sucred cantata "Olivet to Calvary" by the combined Church Choirs of St. Thomas's, Wellington South, and the Brooklyn Anglican Church,
 - Soloists: Tenor, Mr. Harry Phipps; Bass, Mr. W. Binet Brown. Organist, Miss Lilian Thawley, L.A.B.; Conductor, Mr. W. A. Gatheridge.
- 8.13 (approx.): Selection-2YA Orchestrina, (a) "Credo" (Gounod), trombone solo (conductor, Signor A. P. Truda), (b) "Nazareth" (Gonnod).
 - Mezzo-soprano—Miss Anne Sullivan, "Praise of God" (Beethoven). Baritone—Mr. John Prouse, "O God, Have Mercy" ("St. Paul," Men-
 - delssohn).
 - (Gounod), (Instrumental—2YA Orchestrina, (a) "Marche Pontificale" (Gounod), (b) "Lord God of Abraham" (Mendelssohn).

 Tenor—Mr. E. W. Robbins, "King Ever Glorious" ("The Crucifixion," Stainer).
 - Instrumental—2YA Orchestrina, "Largo" (Handel).
 - Weather report and announcements.
 - Record—Alexander Kipnis and Fritz Wolff and the Bayreuth Festival Orchestra. "Good Friday Music" (Wagner) (Columbia L2013).

 Mezzo-contralto—Miss Anne Sullivan, "Abide with Me" (Liddle).

 Baritone—Mr. John Prouse, "There is a Green Hill" (Gounod).

 Cornet solo—Mr. S. Bernard, "Babylon" (Watson).

 - Choral—B.B.C. Choir, (a) "Processional to Cavalary," (b) "Fling Wide the Gates" ("The Cruciflixion," Stainer) (Columbia 02869). Selection—2YA Orchestrina, "Sanctus" (Gounod).

 Duet—Messrs. E. W. Robbins and John Prouse, "So Thou Liftest Up

 - Thy Divine Petition" ("The Crucifixion," Stainer).

 Choral—Don Cossacks Choir, "How Greatly Our Lord is Glorified"

 (Bortnkansky) (Columbia 02712)
 - Selection—2YA Orchestrina. "Hymn of Praise" (Mendelssohn), "March of the Priests" (Mendelssohn). God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)-FRIDAY, APRIL 18.

11.0 : Relay of Combined Church Service from Oxford Terrace Baptist Church, conducted by Rev. T. W. Armour (President of the Minister's Association). Special preacher, Rev. L. McMaster. Organist, Mr. W. Melville Lawry.

- 7.30: Relay from Christchurch Cathedral—Presentation of St. Matthew's "Passion," by Johann Sebastian Bach. Soloists: From Cathedral Choir. Grand Choral Work by Full Cathedral Choir. Musical Director and Organist, Dr. J. C. Bradshaw. Studio programme.
- 8.45: (approx.) Orchestral-Philadelphia Symphony Orchestra, "Tocatta and Fuge in D Minor" (Bach) (H.M.V. D1428).
- 8.53: Contralto-Miss Nellie Lowe, (a) "If I Can Live" (Stephenson); (b) "Oh Lovely Night" (Ronald).
- 8.59: Weather report and announcements.
- 9.1 : Violin-Miss Irene Morris, "Air on G String" (Bach).
- 9.5: Baritone—Mr. A. G. Thompson, "The Living God" (O'Hara).
 9.12: Orchestral with organ—Victor Symphony Orchestra, "Ka
 Ostrow" (Rubinstein) (H.M.V. EB10). "Kamennoi
- 9.16: Contralto and baritone duet-The Dulcet Duo, "Dear Love of Mine," from "Nadeshda" (Goring Thomas).
- 9.19: Instrumental—Christchurch Broadcasting Trio, "Elegia and Finale," from "Trio in D Minor" (Arensky).

- 9.29: Contraito—Miss Nellie Lowe, "The Garden of Sleep" (de Lara). 9.33: Violin—Miss Irene Morris, "Minuet" (Mozart). 9.36: Male choir—Don Cossacks, "How Greatly Our Lord is Magnified" (Bortnjarsky) (Columbia 01712).
- 9.42: Instrumental-Christchurch Broadcasting Trio, (a) "Salve Dimora" (Gounod); (b) "Allegretto" (Leclair).
 Barltone—Mr. A. H. Thompson, (a) "Little Rose of Love" (Forster);
 - (b) "For Remembrance" (Woolmer). Orchestral-Chicago Symphony Orchestra, "Xerxes" Largo (Handel).
 - God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, APRIL 18.

- 0.30: Broadcast of special service from Moray Place Congregational Church, held under the auspices of the Council of Christian Congregations.
- 3.0 : Chimes. 4.30: Close down.
- 5.0 : Children's hour, conducted by Aunt Sheila.
- 8.0 : Chimes.
 - Choir—Frances Russell, Robert Easton and B.B.C. Choir, "The Crucifixion" (Stainer) (Columbia 02868/69).
- 8.17: Selection-Celeste Quintet, "Symphony in B Minor" (First Movement) (Schubert).
- 8.27: Contralto—Miss G. Burt, (a) "Life and Death" (C. Taylor); (b) "My Prayer" (Squire).
- "My Prayer" (Squire).

 8.32: Violin—Mr. C. Roy Spackman, "Benediction" (Mackenzie).

 8.40: Male voices—Lay Vicars of Westminster Abbey, "Stars of the Summer Night," "The Last Sandman" (Cruickshank and West) (H.M.V.).

 8.40: Baritone—Mr. B. C. Bellhouse, (a) "Abide with Me" (Liddle); (b) "Younder" (Oliver).

 8.52: String quartet—Celeste Quintet, (a) "Adaglo from Op. 77." "Austrian Hymn" (Haydn); (b) "Romance" (Tschaikowsky).

- 9.0 : Weather report.
- 9.2 : Duet and solo—Gotthelf Pistor (tenor) and Ludwig Hoffman (bass) and Berlin State Opera Orchestra, "Good Friday Music" (Parsifal), Parts 1 and 2 (Wagner) (H.M.V. D1540).
- 9.10: Instrumental and violin-Celeste Quintet, (a) "Mastersingers" (Wagner); (b) "Prize Song" (Wagner).

 9.18: Contralto—Miss G. Burt, "At the Midhour of Night" (Cowen).

 9.21: Piano—Mrs. C. Drake, "Fantasia". (Bach).

- 9.25: Baritone—Mr. B. C. Bellhouse, "Beyond the Dawn" (Sanderson).
 9.28: Selection—Celeste Quintet, "Turkish March" (from "Ruins of Athens") (Beethoven).
- 9.31: God Save the King.

Saturday, April 19

1YA, AUCKLAND (900 KILOCYCLES)-SATURDAY, APRIL 19.

- 12.0 noon: Results of Auckland Racing Club's Easter Meeting, interspersed with gramophone items.

- 5.0: Children's session, conducted by "Cinderella."
 6.0: Dinner session—"Parlophone" Hour:
 Waltz—Dajos Bela Orchestra, (a) "Sulamith" (Hansen-Milde), (b)
 "Mignonette" (Nicolls) (Parlophone E10571).
 Instrumental—Dajos Bela Orchestra, "Eldgaffeln" (Landen) (A4009).
- 6.12: Tacet.
- 6.15: Instrumental—Frank Westfield's Orchestra, "Classica" (arr. Tilsley).
 Organ—Sigmund Krumgold, "Indian Love Call" (Friml) (A2339).
 Wultz—Dajos Bela Orchestra, "You, Only You" (Arnold) (E10592). 6.27: Tacet.
- 6.30: Selection—Raie Da Costa Ensemble, "Funny Face" (Gershwin). Waltz—Dajos Bela Orchestra, "The Sphinx" (Popy) (£10592).
- 6.42: Tacet.
- 6.45: Instrumental—Orchestra Mascotte, (a) "The Flowers' Dream" (Translateur), (b) "Whispering of the Flowers" (Von Blon) (A2559).

 Organ—Sigmund Krumgold, "Gipsy Love Song" (Herbert) (A2339).

 Instrumental—Dajos Bela Orchestra, "Electric Girl" (Helmburg—Helmes) (A4009) Holmes) (A4009).
- **6.58** : Tacet.
- 7.0 : News and market reports.

- 8.0 : Chimes. Presentation of special novelty programme by the "Radio Scamps," assisted by the 1YA Orchestral Octet, entitled "Nautical but Nice."
- 9.30: Programme of dance music, "H.M.V.":
- 9.30: Programme of dance music, "H.M.V.":
 Foxtrot—Connecticut Yankees, "Where are You, Dream Girl?" (Davis)
 Foxtrot—Ted Weem's Orchestra, "Here We Are" (Warren) (EA602).
 Foxtrot—Connecticut Yankees, "Pretending" (Porter) (EA605).
 Foxtrot—Ted Weem's Orchestra. "Piccolo Pete" (Baxter) (EA602).
 10.12: Vocal duet—Gladys Rice and Frankiyn Baur, "You're the Cream in
 My Coffee" (De Sulva) (EA616).
 Foxtrot—Gus Arnheim's Orchestra, "Now I'm in Love" (Shapiro).
 Foxtrot—Jack Hylton's Orchestra, "Ever So Goosey" (Butler).
 Foxtrot—Ted Weem's Orchestra, "Am I a Passing Fancy?" (Silver).
 Waltz—Connecticut Yankees, "Underneath the Russian Moon" (Kendis)
 Waltz—Hilo: Hawaiian Orchestra, "Sparkling Waters of Waikiki"
 (Davis) (EA574). (Davis) (EA574).
- 10.30: Tenor—Morton Downey, "The World is Yours and Mine" (Green).

 Foxtrot—Ted Weem's Orchestra, "What a Day!" (Woods) (EA606).

 Foxtrot—Connecticut Yankees, "The One that I Love Loves Me" (Turk) (EA565).
- Foxtrot—Coon Sander's Orchestra, "The Flippity Flop" (Coslow).
 Foxtrot—Jack Hylton's Orchestra, "The Toymaker's Dream" (Golden)

 10.43: Vocal duet—Billy Murray and Walter Scanlon, "Oh, Baby, What a
 Night!" (Brown) (EA613).
- Foxtrot—Gus Arnheim's Orchestra, "This is Heaven" (Yellen)
 Foxtrot—Gus Arnheim's Orchestra, "One Sweet Kiss" (Jolson).
 Foxtrot—Park Central Orchestra, "True Blue Lou" (Robin) (EA610)
 Waltz—Gus Arnheim's Orchestra, "Sleepy Valley" (Sterling) (EA583).
- 11.0 : God Save the King.

2YA, WELLINGTON (720 KILOCYCLES).—SATURDAY, APRIL 19.

- 3.0 : Chimes. Selected studio items.
- 3.30 and 4.30: Sports results.
- 4.55: Close down.
- 5.0 : Children's session, conducted by Uncle Toby. 6.0 : Dinner music session, "H.M.V." hour.
- Orchestral—Piccadilly Orchestra: (a) "My Beloved Gondo (Tibor); (b) "Souvenir de Capri" (Becce) (B2575).

 Instrumental—New Light Symphony Orchestra, "Just a Memory" "My Beloved Gondolier"
 - Violin and cinema organ-Elsie Southgate, "I Hear You Calling Me".
- 6.12 : Tacet. 6.15: Waltzes—Marek Weber's Orchestra, "Potpourri of Waltzes". Waltz—Hilo Hawaiian Orchestra, "Sweet Hawaiian Dream Girl".
- 6,26: Tacet. 6.30: Instrumental—New Light Symphony Orchestra, "Scene de Ballet/ Marionettes" (Glazounov) (B2754). Violin and cinema organ—Elsie Southgate, "Rose in the Bud" (Tate). Instrumental—New Light Symphony Orchestra, "Persiflage" (Francis). Instrumental—Jack Hylton's Orchestra, "When the White Elder-Tree Blooms Again" (Doelle) (C1616).
- 6.45: Instrumental—Salon Orchestra, "My Blue Heaven" (Whiting) (EB18).
 Waltz—Hilo Hawaiian Orchestra, "Sleepy Honolulu Town" (Earl).
 Instrumental—Jack Hylton's Orchestra, "I Kiss Your Hand,
 Madame" (Erwin) (C1616).
- 7.0: News session, market reports and sports results.
 7.40: Lecturette—Mr. W. M. Jackson, "Gladioli History and Gardening Subjects."
- 8.0 : Chimes. Overture—2YA Salon Orchestra (conductor, Mr. M. T. Dixon), "Petted Overtures" (Engelmann).
- 8.9: Quartette—Melodle Four, "Little Cotton Dolly" (Glebel).
 8.13: Banjo Duo—Mrs. Mildred Kenny and Mr. M. Tonks: (a) "I'll Always
 Be in Love with You" (Ruby, Green and Stept); (b) "Red Skin"
- (Zamecnik). 8.20: Tenor-Mr. Sam Duncan: (a) "At Dawning" (Cadman); (b) "Just a
- Cottage Small" (Hanley).

 8.26: Humour—Mr. Will Bishop will entertain.

 8.38: Instrumental—2YA Salon Orchestra: (a) "Naila Paraphrase" (argd.
- Lange); (b) "Ah! Sweet Mystery of Life" (Herbert).

 8.46: Song at the piano—Madame Clara Gregg-Edmondson, "Far Away"
- (Lindsay)
- 8.50: Baritone—Mr. R. S. Allwright, "The Two Grenadiers" (Schubert). 8.54: Instrumental—2YA Salon Orchestra, "Request Item."
- 9.2 : Weather report and announcements.
- 9.4 : Quartette-Melodie Four. "Request Item."
- 0.8: Banjo Duo—Mrs. Mildred Kenny and Mr. M. Tonks: (a) "Let Me Have
 My Dreams" (Akst); (b) "I Used to Love Her in the Moonlight" (Fiorito)

- 9.15: Bass Mr. W. W. Marshall, "Down Withycombe Way" (Squire).
 9.19: Selection—2YA Salon Orchestra, "Gipsy Princess" (Kalman).
 9.27: Humour—Mr. Will Bishop will entertain.
 9.37: Accordion with banjo—P. Frosini, "Vision of Love" (Curtis) (Zono. EE176).
- 9.40: Songs at the piano—Madame Clara Gregg-Edmondson: (a) "Annie Laurie" (Trdtl.); (b) "Killarney" (Balfe).
 9.46: Accordion with banjo—P. Frosini, "Beautiful Heaven" (Zono. EE176).

- 9.49: Tenor—Mr. Frank Bryant, "Roadways" (Lohr). 9.52: Quartette—Melodie Four, "By the Mississippi" (Dayis).

9.56: Instrumental—2YA Salon Orchestra, "Dance Novelties".

10.6: Dance programme, "H.M.V." hour,
Foxtrot—Rhythmic Eight, "Don't Be Like That" (Gottler) (Zono. EE154)

Foxtrot-Jack Hylton's Orchestra, "Sweetheart of All My Dreams" . (Firch) (EA540).

Foxtrot—Arcadians Dance Orchestra, "Pokee-Okee-Oh" (Butler).
Foxtrot—Jack Hylton's Orchestra, "I Lift Up My Finger and Say
Tweet Tweet" (Sarony) (EA540).

10.12: Comedian—Eddie Cantor, "If I Give up the Saxophone" (EA576).
Foxtrot—George Olsen's Music, "I'm Bringing a Red, Red Rose".
Foxtrot—Nat Shilkret's Orchestra, "One for All, All for One" (Trent).

Heidt's Orchestra, "I'm Ka-Razy for You" (Jolson) (EA539).

Waltz—Arcadians Dance Orchestra, "Anita" (Pollack) (Zono. EE154).

Waltz—Arcadians Dance Orchestra, "That Old Time Organ Melody".

10.30: Contralto—Lupe Velez, "Mi Amado" (Warren, Lewis, Young) (EA535).

Foxtrot—George Olsen's Music, "Come West, Little Girl, Come West".

Foxtrot—Nat Shilkret's Orchestra. "I'm Thirsty for Kisses, Hungry for Love" (Davis) (EA528).

Foxtrot—Nat Shilkret's Orchestra. "Some Street Dav" (Chilkret)

for Love" (Davis) (EA528).

Foxtrot—Nat Shilkret's Orchestra, "Some Sweet Day" (Shilkret).

Foxtrot—Waring's Pennsylvanians, "My Mother's Eyes" (Gilbert).

Comedian—Eddie Cantor, "Hello, Sunshine, Hello" (Murray-Tobias).

Foxtrot—Kassels in the Air, "He, She and Me" (Newman) (EA532).

Foxtrot—Park Central Orchestra, "Sally of My Dreams" (Kernell).

Waltz—Connecticut Yankees, "Coquette" (Berlin) (EA532).

Waltz—Shilkret's Orchestra, "Lady Divine" (Shilkret) (EA531).

God Save the Kino 11.0 : God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, APRIL 19.

11.30 a.m.: Results of N.Z. Metropolitan Trotting Club Races at Addington

Autumn Meeting.

5.0 : Children's hour, "Aunt Pat" and "Birdman."

6.0 : Dinner session—"Columbia" Hour:
Instrumental—Kefelbey's Concert Orchestra, "In a Persian Market" (Ketelbey) (Columbia 02689).

Violin-Efrem Zimbalist, "Liebeslied-Old Vienna Waltz" (Kreisler).

6.12: Tacet.

6.15: Morceau—Plaza Theatre Orchestra, "The Busy Bee" (Bendix) (01438).

Dance—Plaza Theatre Orchestra, "My Lady Dainty" (Hesse) (01438). Octet-J. H. Squire's Celeste Octet, "La Serenata" (Braga) (9116). Cinema organ-G. T. Pattman, "Firefly" (Nicholls). (01348).

6.27: Tacet.

6.30: Orchestral - Paul Whiteman and his Orchestra, "Song of India" (Rimsky-Korsakov) (07510). Waltz—New Concert Orchestra, "Hydropaten" (Gungl) (02672).

Violin-Efrem Zimbalist, "Zapateado" (Sarasate) (04221).

6.42: Tacet,

6.45: Waltz-New Concert Orchestra, "Jolly Fellows" (Bruder) (02672), Octet—J. H. Squire's Celeste Octet. "Serenade" (Titl) (9116). Orchestral—Paul Whiteman and his Orchestra, "Liebestraum" (Liszt. arr. Bargy) (07510).

6.56: Tacet.

7.0 : News session. 7.30: Sports results.

Down to Rio" (German),

8.12: Instrumental-Studio Instrumental Octet, Three Dances from "Nell Gwynn": (a) Country Dance, (b) Pastorate, (c) Merrymakers' Dance (German).

8.22: Vaudeville-The Chatterboxes, in mirth and melody,

8.46: Instrumental-Studio Instrumental Octet, (a) "Cavatina" (Raff), (b) "Valse" (O'Neill).

8.54: Baritone-Mr. Leslie Fleming, "Old Farmer John" (Russell)

8.58: Weather report and announcements.
9.0: Tenor—Mr. W. Bischlager, (a) "Look Down, Dear Eyes" (Fisher),
(b) "Come, Sing to Me" (Thompson).
9.4: Instrumental—Studio Instrumental Octet, (a) "Londonderry Air" (arr.

Harty), (b) "Morris Dance" (Grainger).
9.15: Vaudeville—The Chatterboxes in more mirth and melody.

9.38: Instrumental—Studio Instrumental Octet, "Pavane" (Saint-Saens).
Tenor—Mr. W. Bischlager, "My Dreams" (Tosti).

Instrumental—Studio Instrumental Octet, Incidental Music from "The Beggars' Opera" (Austin).

Dance music until 11 p.m.—"H.M.V." Hour:
Foxtrot with vocal refrain—Nat Shilkret's Orchestra, "Because I Know

You're Mine" (Derickson) (EA515).

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

10.9: Banjo solo—Mario de Pietro, "Frivolous Joe" (De Pietro) (B2820). Foxtrot-Nat Shilkret's Orchestra, "I Want a Daddy to Cuddle Me" (Ebie) (EA515).

Foxtrot-Waring's Pennsylvanians, "That's How I Feel About You" (Davis) (EA516).

Waltz-Jean Goldkette's Orchestra, "Can You Blame Me?" (Goodwin). 10.21: Baritone—Noel Coward, Lorelei" (Coward) (B2737).

Foxtrot with vocal refrain-New Mayfair Dance Orchestra, "The Egg Song" (Salusbury) (EA517).

Foxtrot with vocal refrain—George Olsen and his Music, "In a Little Town called 'Home, Sweet Home'" (Donaldson) (EA516).

Tango-Rio Grande Tango Band, "The Tile Trot" (Penso) (EA517). 10.33: Comedian-Frank Crumit, "The Road to Vicksburg" (Crumit). Foxtrot with vocal refrain-Nat Shilkret's Orchestra, "Broadway Melody" (Freed) (EA525).

Foxtrot with vocal refrain-Waring's Pennsylvanians, "My Castle in Spain" (Cæsar) (EA523).

10.42: Mandoline solo-Mario de Pietro, "Concert Mazurka" (Calace). Foxtrot with vocal refrain-Nat Shilkret's Orchestra, "You Were Meant for Me" (Freed) (EA525).

Foxtrot with vocal refrain—George Olsen's Music, "Makin' Whoopee!"

(Kahn) (EA498). 10.51: Comedian—Frank Crumit, "The King of Borneo" (Crumit) (EA524). Foxtrot with vocal refrain-George Olsen's Music, "Until You Get

Somebody Else" (Kahn) (EA498). Waltz with vocal refrain-Rudy Vallee and his Connecticut Yankees, "Sweet Suzanne" (Leslie) (EA523).

11.0 : God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, APRIL 19.

3.0 : Chimes. Selected gramophone records.

4.25: Sporting results.

4.30: Close down

5.0: Children's hour, conducted by Aunt Anita.
6.0: Dinner music—"H.M.V." Hour.
Light Orchestral—Marek Weber and Orchestra, "Lehariana" (Geiger).
'Cello—Cedric Sharpe, "Air" (Pergolesi) (B3040).
Band—Coldstream Guards, "Wedding of the Rose" (Jessel) (B3064).

6.14: Tacet.

6.15: Orchestral — Vienna Philharmonic Orchestra, "Morning, Noon and Night in Vienna" (Suppe) (C1667).
Light Orchestra—New Mayfair Orchestra, "Five O'Clock Girl" (Ruby).

6.27: Tacet.

630: Orchestral-New Mayfair Orchestra, "Love Lies" (de Sylva) (C1658). 'Cello-Cedric Sharpe, "Twilight" (Friml) (B3040). Organ-Herbert Dawson, "Evensong" (Easthope Martin) (B2263). Band-H.M. Coldstream Guards, "Hobomoko Intermezzo" (Reeves).

6.44: Tacet. 6.45: Trio-de Groot (Violin), A. Gibilaro (piano), J. Pacey ('cello), "O Sole Mio" (Di Capua) (B2588). Organ—Herbert Dawson, "Idylle" (Edward Elgar) (B2263)

Orchestral-Berlin State Opera Orchestra, "German Dances" (Mozart).

6.57: Tacet.

7.0 : News session.

8.0 : Chimes.

Relay of Vaudeville Programme from 3YA, Christchurch.

Dance session-"Columbia" Hour. Foxtrot-Paul Whiteman and His Orchestra, "Lover, Come Back to

Me" (Romberg and Hammerstein) (07030).
Foxtrot—Garber's Orchestra, "Outside" (Flynn) (01647).
Foxtrot—Paul Whiteman and His Orchestra, "Marianne" (Romberg

and Hammerstein) (07030)

Foxtrot—Selvin's Orchestra, "In My Bouquet of Memories" (Akst-

Lewis-Young) (01137).

Foxtrot—Swain's Band, "Sleep, Baby, Sleep" (Tucker and Schuster).

10.15: Duet—Layton and Johnstone, "Wake Up and Dream" (Porter).

Foxtrot—Paul Specht and Orchestra, "Hittin' the Ceiling" (Gottler-

Mitchell-Conrad) (01629).
'Foxtrot—Ipana Troubadours, "I'll Get By" (As Long as I have You)

(Turk-Ahlert) (01647).

Foxtrot—Paul Specht and Orchestra with vocal refrain, "Sing a Little Love Song" (Gottler-Mitchell-Conrad) (01629).

Waltz—The Cavaliers, "Sleepy Valley" (Hanley-Sterling) (01688). 10.30: Vocal—Gladys Moncrieff, "Love is a Dreamer" (Green-Stept) (01780). Foxtrot-Bernie's Orchestra. "I Want to Meander in the Meadow" (Woods and Tobias) (01692).

Foxtrot-Midnight Revellers. "The Moonlight March" (Newman-Lombardo) (G20522).

Foxtrot - Bernie's Orchestra, "Where the Bab-bab-babbling Brook"

(Nelson-Pease-O'Flynn) (01692).

10.45: Foxtrot—Rhythmic Troubadours Vocal
Rhythm" (Davis-Coots-Spier) (G20600). Vocal Refrain, "Revolutionary Duet-Layton and Johnstone, "Wake Up and Dream" (Looking at You)

(Porter) (01763). Foxtrot-Midnight Revellers, "Sweetheart's Holiday" (Robinson-

Kahal) (G20522).

Foxtrot-Rhythmic Troubadours and Vocal Refrain, "When the Real Thing Comes Your Way" (Spier and Coslow) (G20600).
Waltz—The Cavaliers, "Recollections" (Rapee-Pollack) (01688)

Waltz-Selvin's Orchestra, "Ramona" (Akst-Lewis-Young) (01137).

11.0 : God Save the King.

Sunday, April 20

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, APRIL 20.

11.0 : Relay of Easter Service from St. Mary's Cathedral. Preacher, Canon William Fancourt. Organist and Choirmaster, Mr. Edgar Randall. 12.30: Close down.

3|0 : Afternoon session-Selected studio items, including literary selection by the Announcer.

4.30: Close down.

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

6.55: Relay of Easter Service from Pitt Street Methodist Church. Preacher, Rev. W. Walker. Choirmaster, Mr. W. Leather. Organist, Mr. C. B. Bickerton.

\$.30: (approx.) Orchestral—Orchestre Symphonique de Paris, "Scenes Pittoresque," (1) Marche (Massenet).

Baritone—Mr. Hartley Warburton, (a) "Your Voice" (Scott-Hughes); (b) "Nightfall at Sea" (Phillips).

Instrumental—Studio Trio, "Scherzo," from "Trio in D Minor," Op. 49

(Mendelssohn). Contralto-Miss Madge Clague, "The King of Love My Shepherd Is"

(Gounod).

Piano-Mr. Eric Waters, "Toccata" (Debussy).

Male choir-Don Cossacks. "How Greatly Our Lord is Magnified" (Bortniansky) (Columbia 02712).

Instrumental-Studio Trio, "Adelaide" (Beethoven).

Baritone—Mr. Hartley Warburton, "The Watercourse" (Schubert).
Instrumental—Studio Trio, (a) "Largo" (Handel); (b) "Pastel Menuet" (Paradis).

Contralto—Miss Madge Clague, (a) "The Silver Ring" (Chaminade); (b) "Down Here" (Brahe).

Orchestral-Orchestre Symphonique de Paris, "Scenes Pittoresque." "Fete Boheme" (Massenet) (Columbia 02813).

9.30: (approx.) God Save the King,

2YA, WELLINGTON (720 KILOCYCLES).—SUNDAY, APRIL 20.

8 to 4.30: Afternoon session.

6.0 : Children's song service conducted by Uncle George, assisted by Church of Christ Bible Class Camp Children.

7.0 : Relay from Vivian Street Church of Christ of a service commemorating the Annual Dominion Conference of the Churches of Christ. The Conference sermon will be preached by H. A. Clark, M.A., B.D., Dip. Ed., whose subject will be "Christian Unity."

Organist, Miss Hazel Hunter; Choirmaster, Mr. W. G. Carpenter. 8.15 (approx.): Relay from Church of Christ, Vivian Street, of the secred cantata "The Redeemer" by the Church Choir. Written and arranged by Edward Oxenford.

Conductor, Mr. W. G. Carpenter; Organist, Miss Hazel Hunter. Soloists: Soprano, Miss Mavis Castle; Contralto, Miss Mona Castle; Tenor, Mr. H. Phipps: Bass, Mr. George Gray.

3YA, CHRISTCHURCH (980 KILOCYCLES)-SUNDAY, APRIL 20.

3.0 : Afternoon session—Gramophone recital.

4.30: Close down.

5.30: Children's song service by children of the Church of England Sunday Schools.

6.15: Intermission-Selected items, gramophone recital.

7.0: Relay from Christchurch Anglican Cathedral. Preacher, Archbishop Julius. Musical Director and Organist, Dr. J. C. Bradshaw.

8.15: (approx.) Relay of studio programme from 4YA, Dunedin.

9.30: God Save the King,

4YA, DUNEDIN (650 KILOCYCLES)-SUNDAY, APRIL 20.

3.0 : Chimes. 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 evening service from Moray Place Congregational Church.

7.45: Orchestral—Berlin State Orchestra, "Polonaise No. 2" (Liszt).
Chorus—Royal Opera, (a) "Yo-Ho-Ho" (Wagner); (b) "Hum, Hum,
Good Wheel, Go Whirling" ("Flying Dutchman") (Wagner).
March—Berlin State Orchestra, "Tannhauser March" (Wagner).
Harp solo—Mildred Dilling, "Am Springbrunnen" (Zabel) (H.M.V.).
8.15: Studio concert rendered by the Kaikorai Band, under the direction of

Mr. T. J. Kirk-Burnnand, assisted by 4YA artists.

March-Band, "Harlinton" (Stewart), Hymn—Band, "Eternal Father" (Dykes).

Soprano-Miss Olga E. Wynne, (a) "I Hope" (Jonas); (b) "Four-Leaf Clover" (Willeby).

Grand selection-Band, "Nabucco" (Verdi).

Choir—Don Cossacks, (a) "How Greatly Our Lord is Glorified" (Borthkansky); (b) "Three Folk Songs" (Columbia 02712).

Baritone-Mr. A. Lungley, "To Anthea" (Hutton).

Cornet solo and band accompaniment-Mr. Ira Coughlan. "The Star of Bethlehem" (Adams).

Weather report.

Overture State Opera Orchestra, Berlin, "Magic Flute" (Mozart) Soprano—Miss Olga E. Wynne, "There's a Bower of Roses" (Stanford). Selection—Band, "Si J'Etais Roi" (Adams).
Violin—Erica Morini, "Introduction and Tarantelle" (Sarasate);

"Romanza Andaluza" (Sarasate) (H.M.V. D1445).

Baritone—Mr. A. Lungley, (a) "Don Juan's Serenade" (Tschaikowsky); (b) "You Along o' Me" (Sanderson).

Overture—Band, "Introduction to 'Faust'" (Gounod).

Spiritual—Fisk University Jubilee Singers, "Little David"; "Ezekiel Saw the Wheel" (Traditional) (Regal G20421).

March—Band, "Dunedin City" (Kirk-Burnnand).

Hymn—Band, "Jesu, Lover of My Soul" (Dykes).

Chorus—Royal Choral Society, "Hallelujah" Chorus (Handel).

God Sawe the King

9.30: God Save the King.

Australian News and Programmes

A 8 reception from stations across the dell, plane, "Rhapsody in E Flat Minor" Tasman is improving, we have pre- (Dohnanyi) .. pared a selection of items to be presented from the main Australian stations in the near future. New Zealand times are given.

Thursday, April 10.

STATION 2FC .- 9.30 p.m. Relay of concert from the Springwood Hall Lumsdaine, the Station 2BL .- 8.30 p.m. A "League of Nations" programme. Norway in song and story. 10 p.m., presentation of play, "Liberty, Equality, Fraternity."

Station 3LO.-10 p.m. Dance programme by Mark Makeham's Melodians.
Station 3AR.—9.30 p.m. The Odd Men Out present "Hearts are Trumps."

Friday, April 11.

STATION 2FC.—10.15 p.m. "Another Pair of Spectacles," a farce in one act.

Station 2BL .- 10.36 p.m. Pianoforte recital by Miss Lily Price, with foreword by C. N. Baeyertz-(a) Well-

Remember the Date!

Your Reasons Ready?

THE closing date of the competition in connection with the Electric Machine is April 12.

Within the next month you may have won for yourself an admirable and efficient electric washing machine. So send along your Seven Sensible Reasons, demonstrating the de-sirability of installing an electric washer in your home.

Post as many entries as you There is no limit to your opportunities, nor to the virtues of the washer. See the page advertisement elsewhere in this issue-back cover.

Don't procrastinate, marshall your facts, remember the Black Monday washing day of yester-year, take a chance, and try your luck!

known air, as it might have been com-Haydn, Chopin, Schumann, or Weber. "Melody" (Brahms and Grainger), (b) "Minuet" (Mozart-Palmorer) "Nocturne" in F sharp major.

Barnes); Henry Thomas, baritone, seinG Major, Op. 13" (Grieg); Katie Lid- land.

Saturday, April 12.

STATION 2FC.-9.30 p.m. A relay of an orehestral concert arranged by the Musicians' Union of New South Wales.

Station 2BL.—9.30 and 11 p.m. Jack umsdaine, the "Radio Rascal," will entertain with songs at the piano-(a) "That Wonderful Something," (b) "Singin' in the Rain," (c) "Tip Toe Thru' the Tulips," (d) "Influenza."

Station 3LO.—10.30 p.m. Presentation of "The Screen Scene," from "The

School for Sandal," by Sheridan.

Sunday, April 13.

STATION 3LO .-- 10.30 p.m. Pianoforte recital, by Edward Goll, "Appassionata Sonata" (Beethoven), "Elsie" (Beethoven), "Minuet in C. Major"

(Beethoven).

Station 3AR,—10 p.m. A special classical programme arranged by Professor Bernard Heinze.

Monday, April 14.

STATION 3LO.-9.30 p.m. Old time musical items and choruses.

Station 3AR .- 9.45 p.m. A concert by the Royal Victorian Institute for the Blind,

Tuesday, April 15.

STATION 3LO.-9.30 p.m. A vaudeville programme, entitled "The Music-Box Revue." 10 p.m., "The Mill," a folk story from County Kerry. 10.30 p.m., A selection from the work of Sibelius, including "Valse Triste," "Black Roses," and "Romance."
Station 3AR.—9.30 p.m. A vaude-

ville programme, including a one-act play, "Mother of Pearl" (10.42 p.m.).

Wednesday, April 16.

STATION 3LO.—10 p.m. A concert presented by the augmented National Broadcasting Orchestra.

Station 3AR.—10.30 p.m. A one-act play, entitled "The Play-writers."

High-Powered Stations

A FEW weeks ago mention was made in these notes of the probability of some of the new giant-powered American broadcast stations being heard in New Zealand during the ensuing winter months. It is, therefore, interesting to read that Mr. W. G. Sturgess, of Christchurch, has already heard WGY, Schenectady, New York State, from 9 till 9.30 p.m., testing with the stupendous power of 200,000 watts. Reception was of good loudspeaker volume. No doubt, as the tendency in America is to increase the power of their stations, before long some more lected; Katie Liddell, piano, and Connie of the Americans will be heard regu-Ziebell, violin, "First Movement, Sonata larly in various parts of New Zea-

Rugby Broadcasts

owe a duty to their sporting fraternity. The original meaning of the word sport is gradually fading into the background." "We are pushing the question at our annual meeting." "A member of the Wellington R.U. was one of the 40 Maoris and pakehas who listened to my set and prior to the broadcast was expounding his reasons for with-holding the broadcasting of the matches. However, no one showed greater elation when it was announced that the station would pass over to the stadium than he." prominent provincial very writes :-

"As you know I have been against broadcasting, considering that it might affect the gates in a small town. But now I am converted, and after Saturday, am willing to pay an extra fee to know that the company would guarantee a report of the bigger matches, in football and boxing."

That radio is a good advertisement is born out in the following letters:-"As the result of to-day's description we shall see the return contest in Dune-din." "I was so much impressed by the first broadcast that I made all arrangements to see the Wellington match, but 'something slipped' and I was unable to get over. Because of your broadcast a big crowd went from here." "I have never seen a fight. "I have never seen a fight, but now when the opportunity offers I shall be an onlooker." "Who would be content to listen in when they could be there in person? Not even a Scotsman."

There are touches of humour among the letters. Listeners will remember Mr. Aldridge said that he was very Not a few sympathised with him; one man wished he could have been closer to offer him a whisky. Anof pigshooting to be had there. "Just

The Position As It is.

TT appears that the union has not realised fully the position. They are a sporting body who represent the sporting fraternity. This great section of the public are demanding the broadcasting of the matches they cannot attend. Are the delegates going to refuse?

The argument that the smaller unions will suffer appears not to be sup-

nd by using a different earth.

THE true cause of fading is atmospheric variations at a great distance from the surface of the earth, and consequently variations in the strength of a local station's transmis-

HOWLING is usually due to one of the batteries running down, to the use of a too big reaction coil, to bad spacing of components or wiring, or to leak, the use of an unsuitable grid

(Continued from page 3.)

ter listening to the description. The request that the company should pay for the privilege is not logical. popularity of certain sports bears witness that broadcasting is a means of advertisement and does not spoil the attendances. New Zealand is the only country where broadcasting is at all advanced in which broadcasting of sporting events is prohibited and must we let our visitors, the Englishmen, leave our shores with the impression that radio broadcasting, one of the premier sciences of the day, is being smothered? To refuse to broadcast the matches is anything but complimentary to the Englishmen when the Australian games were broadcast, and A secretary of a rebroadcast, some twelve months ago. union Since then radio has advanced.

Correspondents' Views.

ported by the unions themselves, who

feel that their members would do bet-

IN an appeal to the New Zealand Rugby Union to grant permission to the Radio Broadcasting Company to broad-cast the matches played in New Zealand by the English team, Mr. R. Leslie Jones voices a number of familiar arguments in support of the proposal. Mr. Jones expresses the opinion that the matches played by the visitors in metropolitan areas will be witnessed by "capacity gates," but that thousands will not be able to proceed to the point where the various matches are to be played, and only radio can give those unfortunate et willing enthusiasts a chance to follow

the games.

The matter is of national importance to New Zealand," says Mr. Jones, "and is not now a question of £s.d. between the Rugby Union and the Broadcasting Company; the matter is definitely one of public importance, public duty, and public sportsmanship.

I suggest that nermission be granted.

I suggest that permission be granted be Broadcasting Company forthwith, the Broadcasting Company forthwith, and that an appeal be made by the Rugby Union to listeners throughout New Zealand to forward a donation (even if only 1/-) to the Rugby Union's cardent fund, and that a definite appeal accident fund; and that a definite appeal, him; one man wished he could have been closer to offer him a whisky. Another hopes that in Dunedin a hotwater bottle will be provided. A correspondent describing the enthusiasm at his home, says: "I was afraid someone would upper-cut the loudspeaker." An offer comes from Kohuratuai, suggesting that if Mr. Aldridge wants a gesting that if Mr. Aldridge wants a variation in his sport there is plenty of pigshooting to be had there. "Just the bown as the 'Listeners' 1/- Fund' be started right away, wide publicity to be given to same, and the company to give its assistance to the 'appeal' by roadcasting information concerning same from each of the YA stations in New Zealand. Donors could forward their 1/- in stamps to a central address, preferably the local offices of the various wariation in his sport there is plenty unions. This fund would produce hundreds of pounds from satisfied listeners throughout the Dominion... To hundreds of pounds from satisfied listeners throughout the Dominion.... To the New Zealand Rugby Union I would say, show that the union is composed of 'sports,' and' 'do unto others as you would have them do unto you.' To each member of the New Zealand Rugby Union I would further say you are delegates to-day, but you won't always be a delegate; and the day may come, quite soon in fact, when each of you may feel grieved to think you denied your own New Zealanders the right, privilege and expected opportunity of hearing per medium of radio the progress of the tour of the English Rugby team."

INTERFERENCE can often be lesse-

sion are not properly described as fad-

fixed condenser, or battery eliminator.

Esperanto

(Continued from page 5.)

"many" or "made" or "care or "want" or "steward." English gives eight different sounds to the one letter "a," Esperanto only one. Hence it is so much easier to learn to pronounce Es- is KO, P is PO. R is RO, and so on. peranto words than English.

of the five, being pronounced almost with that next time. Meanwhile it is like the "e" in the word "sell," not interesting to note that the recent offilike the "e" in "he" or in "her" or cial commission which westernised the in "clerk" or in "pretty." English has Turkish alphabet for the new Turkish five ways of pronouncing "e," Esperanto only one.

(c) The English sign "i" is the third to that of Esperanto. of the five, being pronounced like the "i" in "police" or the "i" in "mice."

of the five, being pronounced like the listening to me so far I will conclude "aw" in "law," not like the "o" in with the following short story, entitled "hot" or in "cold" or in "whom" or in "son"

"women" or in "whom" or in "son"

UNCONSCIOUS REFORM, or in "button" or in "lost" or in "hero." English gives at least nine different pleased, John (mi estas kontenta, Josounds to the one letter "o," Esperanto hano) that you have turned over a

(e) The English sign "u" is the last of the five, being pronounced like the 'oo" in "pool."

Besides these five vowels, in Esperanto there are also 23 consonantal signs, each representing only one sound. In English we have 25 differ- Adiau, Samideanoj, adieu.

ent consonantal sounds, spelt in 166 different ways. But of the consonantal signs in English, four, CJQX, are redundant, i.e., they are not wanted at all. The Esperanto consonants are written as in English, but pronounced as an "o" ending:

Thus B is BO (baw), D is DO, K Twelve of these consonants require (b) The English sign "e" is the second special attention, and I hope to deal Republic finally adopted an alphabet which is built up on very similar lines

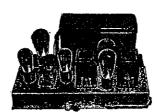
Grammar is perhaps a somewhat dull subject to some. So, for the bene-(d) The English sign "o" is the fourth fit of those who have kindly kept on

Vicar (to village reprobate): I am new leaf (ke vi tion oliboniagis). I was glad to see you (mi gojis vin vidi) at our Temperance Hall last night (ce nia Sobrec-Halo hierau vespere).

John: "Cu Tie mi estis? Is that where I was?"

ladies and Good-bye,

PILOT'S POWERFUL PUSH-PULL **AMPLIFIER** FOR 245 VALVES



The most advanced in flawless amplification, suitable for Public Address Work, Radio Loud Speakers, Sound Pictures Reproduction, etc.

K.113 Amplifier is a compact unit in semikit form. All "A," "B" and "C" voltages self contained.

Appearance of an assembled K.113 Amplifier. The five valves shown are not supplied with the kit.

Pilot Kit K113

With Power Pack

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Branches at Auckland and throughout Australia.

JANETTE ROTARY CONVERTERS

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

Compact, Trouble-free, Filtered Type for Radio use—No Hum. Send for Descriptive Catalogue.

MOORES

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



Electricity Saves

ELECTRIC service is now recognised not as a luxury, but as an indispensable and inexpensive necessity in home, business and factory. Where should we be without it? Because its service is the best with regard to safety, convenience, speed and economy, its work is daily spreading. As it moves further into the country, the farmer and his wife are daily realising the value and economy of electrified labour. By enlisting its aid, they can now enjoy the same advantages as do other occupations, since numerous aspects of their really burdensome toil have been reduced to the pulling of a switch or the pressing of a lever.

Through the great gift of electric service comes the greater gift of increased leisure, and from more leisure, widening opportunities for higher standards of living, self-improvement, cultural and social advancement.

For many years past, most housewives have deplored the scarcity and the expense of adequate help in the home, but few, even now, realise how cheap electricity is.

The average five-roomed home can be completely cleaned with a vacuum cleaner in about two hours at a cost for electric power of about the same number of pence. The same work cannot be accomplished with broom, dustpan, duster, etc., in four times the number of hours. An electric washing machine will in two hours do more than a woman can do by hand in a whole day, and moreover, leave little

WELLINGTON DUSK

All day the land has lain sun-kissed, And now lights glimmer through the mist,

And round her the hills stand sentinel

Over the city they love so well. Behind them the Heads loom dark and grey

As the silent sea sleeps the dust awav.

Above, the sky is a soft green blue, And from the West where the sun slipped through

A golden gleam lights the farthest

And every sound in the world is

-S.D.S.

or no cleaning-up to do. An electric dish-washing machine will within fifteen minutes wash, sterilise, rinse and dry the dishes after a meal that normally requires rather more than an

Our Prize Poem Competition

THE prize of half a guinea is awarded this week to the charming work of "L.S." Though "Chansonette" and "Perversity" trip so daintily off the tongue, this fascinating verse form is by no means so simple of achievement as might be imagined by the tyro in poetic art. Selected for special mention are some musical lines from "Helen B.'s" graceful and facile pen, "H. B. Lamont's" steadfast lines, and "Slim Jim's" rainbow-tinted glorification anent the "golden-sandalled" fall of the year.

'Rastus" sends sweet musings about daisies and early morning mist, fresh

and innocent as the break of day. "Margaret B.": Of your two poems, the second is the better, and may be used later. We like the idea of "Becky": We love your engaging "Two Nature, the great Consoler, as expressed in "The Sinner."

M.A.B." should pursue other quarry than the poetic muse. "We noticed the trees in passing." True, no doubt, but of such stuff are poems not made!

"Pictures" has merit, but seems reminiscent of a catalogue, which is undesirable in poetry, though Walt Whitman made rather a hobby of it.

"T.A.O." listens to "the wind on the "Far Away": Doggerel of the dullest.

heath" to some poetic purpose. We wonder of "T.A.O." admires the prose and description of a "Windy Day" by the late Katherine Mans-

give them a wider circle of admirers. tries. Jedin" voices greetings to a friend. Fain would some of us prove inspiration for so lovely and spiritual a

tribute.
"Jack's" little poem is very like a hymn, but otherwise without merit. THE advantage of an electric motor "Rolling Stone" sends a lay of a lover to his absent lass that might appeal to the young and ardent.

Chansonette

I admire your silhouette As you light your cigarette, And you know it-that I'll bet. Mignonette!

> I watch you pirouette In a wonderful toilette, And I know that you're in debt, Mignonette!

> > I know you're a coquette, And 'twere wiser to forget, For you have no heart-and yet Mignonette!

—L. S.

that without the attendant worry of cooking on the range in the morning dirty tea cloths to be afterwards washed; the electric iron makes play of the ironing after the fear of the Monday's avocations. washing has been removed by the electric washing-machine.

To come into the realm of the kitchen (one of which the real woman at the back of her heart really enjoys, when not too hard-pressed), the electric range enables the lady of the house to enjoy her sojourn there, to leave it while the cooking goes on unattended, the home.

hour for a woman to accomplish, and or even more than that, to place her and go out for the day, or pursue other

If we consider what electricity will do in saving household labour, admitted the hardest and the most continuous, we cannot help but realise that it is cheaper than the cost of the food of one servant alone. Electricity is the only servant that pays to use to a steadily greater extent, especially in

Water versus Coal

THE Minister of Labour has been deploring in the course of a speech at Tangarakau the fact that coal is not employed instead of water as the generating factor of electricity in the national scheme. Apart from the fact that the question of relative cost was gone into very thoroughly some years ago in Auckland, when there did not appear to be much in favour of coal on that account, the deciding factor is rightly that of reliability and continuity of supply. Whatever can be argued against the hydro-electric scheme, there is much to be said in its favour on that score, the recurring unrest and disastrous strikes in the coal trade having Little Boys," and hope some day to already brought ruin to so many indus

A Newcomer

fixed to the household sewing ma-

chine has so many times been referred to in our columns that we hail with delight the latest edition of electric sewing machine. Enclosed in a handsome oaken table, the motor is built in, there is no unsightly pedalling apparatus, and the machine is further provided with an electric light shining directly on the needle or sewing point.

It can be used when closed as a writing desk, library table or for any other useful or ornamental purpose, and is both in design and material a beautiful piece of furniture.

PERVERSITY

(With apologies to Heine.) While you so deeply grieve me, Continue to deceive me, I can but love you more, And better than before. But if you should be good to No longer be so rude to me, I'm done with you for ever, Be sure you'll see me never.

ANOTHER VERSE

My bonnic went down to the cellar, A leak in the gas-pipe to see, He lighted a match to assist him-Oh, send back my bonnie to mel .

This

24 page booklet

FREE

To all readers of The Radio Record

Send No Money. Just fill in and post the Coupon below.

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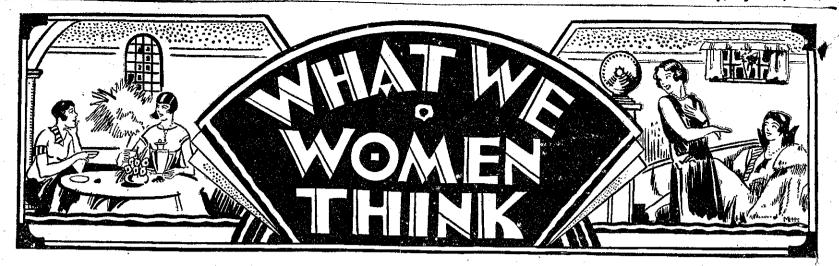
"N.Z. RADIO RECORD." WELLINGTON.

I would like a copy of the booklet entitled, "How to Judge an Electric Cleaner" which you promise to send POST FREE.

NAME . Retail a a supplicable of our days a stary of our and our passes and a stary of our and our passes are a supplicable of the supplicable of

Use the

Readers of the "Radio Record" are constantly seeking particulars of things electrical and we are now pleased to offer this instructive little booklet free on request to anyone interested. coupon.



Bravery

HERE is one of the rarest stories of collective bravery I have encounter-It concerns the little village of Eyam in Derbyshire. When the great Plague of London was raging, a box of clothes was sent from London to a tailor in the village they were damp. The servant who dried them became ill, and speedily died, as did others in the same house. The dread plague had arrived. There was a stampede from the village, a great rush to reach the wind-swept moors and put pestil-ence behind. But the rector, William ence behind. But the rector, William Mompesson, did an extraordinary thing. He saw that this action would spread the plague throughout the north of So he called together the England, 350 souls of the village and put the case to them: that they, in the interests of others, remain within a circle drawn a mile round the village; that food be brought to depots on that line from the surrounding villages, and no one go outside. Gripped by his plea, they stayed: for twelve months not a soul left the village, and the dreaded plague

Wind Magic By Betty Kerr

Have you ever gone a-walking On a windy afternoon, When cloudlets race across a sapphire sky, And the tall trees are a-talking

As they sway beneath the moon That is hanging, half-forgotten, up on high.

Have you heard, half glad, half tragic,

All the voices of the air That the wind has fashioned into rhythmic tune?

If you have you've felt the magic And enchantment that is there In a sunny windy Autumn afternoon.

was not scattered round the country-side, but stayed within Eyam. Three hundred and fifty souls there were at the start of that ordeal. There remained 88 when the Dark Death sud-Two hundred and sixtydenly left. three died and were buried there. Mompesson's wife was amongst them. I agree with Morton when he says that if any village ever earned a V.C. it was Eyam, for its cool, deliberate bravery. Olive.

CONTRIBUTIONS of original matter of general interest to women and the home, if possible, but not essentially, associated with radio, electrical equipment or home-craft in the widest field, are invited for this page. Space All matter must be brief and in ink, on one side only. Name or nom de plume. Contributors must claim payment for matter published by forwarding at the end of each month clipping, together with date of publication, to our Accountant. Address contributions, "The Editor," Box 1032, Wellington.

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That "Something"

THE bluntest and most pungent comin literature is that of Somerset Maugham. In his "On a Chinese Maugham. In his "On a Chinese Screen" he tells a story of a Consul encountering an Englishwoman who, as the landlady's daughter, had married a Chinese student in London and returned with him to the land of his fathers. There she found that he already had the customary native wife. and, moreover, that she was to live with her husband's mother and obey her in all things. The household was not a happy one, and the illiterate, blowsy Englishwoman speedily deteriorated. Appealing to the Consul, she was advised that under English law she was not legally married to her Chinese husband, and the advice was given that she should return to England. This she consistently refused At the end of two years she burst one morning into the Consul's domicile, dishevelled and unkempt, bearing an evil-smelling mess of pottage, with the story that effort was being made to poison her-quite an understandable procedure on the part of the two native women, with whom she would be quite out of harmony. Once more the Consul pleaded with her to leave. "What on earth makes you stay with the man?" he cried. She hesitated for a moment, but finally, with a curious look in her eyes, re-plied: "There's something in the way phet: "There's something in the way his hair grows on his forehead that I cannot help liking." This was the end. In a cold fury the Consul walked off, and though a man not often using bad language, could not restrain himself from the summing up: "Women are simply bloody!"-Antoinette.

An Evil of "Capitalism"

ISTENING recently to an eloquent tirade on the evils of "capitalism" by my wash-lady (by the way, is it a demerit of the electric washer that heroine, no floubt, would be considered this voluble specimen, with her charming conversation, will be no longer chief charm required?) I could not help thinking telling.—S.D.

of the way in which Samuel Johnson summed up those incipient Socialists of his day. This' is what he says: "Sir, your levellers wish to level down ment on my sex that I have seen as far as themselves; but they cannot bear levelling up to themselves." It has always struck me that there is a lot of meat in that epigram.-Daphne,

"Five and Ten"

NE of the new books I have read lately is "Five and Ten," by Fanny Hirst. It is a tale of an ultra-fashionable, "self-made" American familyfather, mother, son and daughter living together and yet utterly apart. Although rolling in wealth, which the father has acquired by his chain of "five and ten-dollar" stores, each mem-ber is miserable in his or her own separate life. The mother is ambitious and rises as their wealth increases, and is contemptuous of the father because he is too little to rise with her. The son commits suicide because he finds life too hard, and the mother and daughter both have rather discreditable love affairs just to pass the time, it would seem. It keeps one in a turmoil from start to finish, and everyone seems in a continual whirl of excitement or emotion. One is used to American slang nowadays, but it is rather startling to have the heroine tell a would-be lover to "go plump to hell!"

In the end, the father, the sanest of them all, deliberately leaves his daughter to struggle with "poverty" on several hundred pounds a year! together the book makes one feel that if this is fashionable American life, it is good to be a New Zealander, amid sane, calm surroundings, with just

enough to make ends meet.

Curiously enough, the next book I happened to read was a very old-fashioned one by Jane Austen, "Northanger Abbey." This was a soul-satisfying feast; the satire, the delicate humour, the whole style of the book gives pleasure, quite apart from the story. too meek and mild nowadays, but the chief charm of the book lies in the

Quaint Epitaphs

I have a friend who has a hobby of collecting quaint epitaphs. Glancing through her collection recently I came across these two quaint specimens, each redolent of the craft of the deceased. Can anyone quote others as apt? The first was to the memory of a Yorkshire cook:

Underneath this crust Lies the mouldering dust

Of Eleanor Batchelor Shoven, Well versed in the arts

Of pies, custards, and tarts, And the lucrative trade of the oven. When she lived long enough She made her last puff,

A puff by her husband much praised. And now she doth lie And make a dirt pie,

In hopes that her crust may be raised.

The next one, somewhat more sweet and reserved, commemorating Benjamin Franklin, runs as follows:

"The body of Benjamin Frank-lin, Printer (like the cover of an

The Little Old Table

By Thomas Hardy

Creak, little wood thing, creak When I touch you with elbow or knee;

That is the way you speak Of one who gave you to me!

You, little table she brought-Brought me with her own hand,

As she looked at me with a thought

That I did not understand.

-Whoever owns it anon, And hears it, will never know What a history hangs upon That creak from long ago.

old book, its contents torn out and, stript of its lettering and gilding), lies here, food for worms; but the work shall not be lost, for it will (as he believed) appear once more in a new and more elegant edition, revised and corrected by

Author."-Olive.



SON! Show the PURIFIER

My talk with the sales manager was interrupted by the message boy, who stated an inquirer had asked about vacuum cleaners.

Sales Manager: Myself:

"Son, show the Purifier!"

"Can you entrust so important a sale to your message boy?"

Sales Manager:

Vacuum Cleaner, so let us move over behind that screen, where we will be unobserved, yet be in a position to hear the conversation and see the demonstration."

Boy:

Inquirers

Boys

Inquirer:

Boy: Inanirer: Myself:

Sales Manager:

Myself:

Sales Manager:

Boy:

Sales Manager:

"My dear Watson, you cannot have observed a Royal

"You will see that there are 11 accessories with the Purifier, which is now connected to this point. As I have already cleaned the show room, there is no dust about, but, by placing your hand at this opening, you will feel an air speed of 180 miles per hour, which carries all the grit, sand and dust into the dist her."

"Quite so; that seems satisfactory—a floor polisher and three-position brush, but what is the pleasant

This shutter in front contains crystals taken from a jar supplied, and all air drawn through the cleaner is purified, the supply lasting 12 months or longer; and there is also this health attachment which sprays disinfectant, or this moth-killing fluid, so that clothes, upholstery and furnishings are protected for years."

(After completed examination): "What is the

"£18/18/-."

"I would like to talk to the manager now."

Being left alone while the sales manager arranges delivery of the cleaner, gives a receipt, and suggests a service call to prepare connections to fit light and heat points of the home.

(Returning, places a sales form before me): "You will observe, my dear Watson, that with your signature to this form, I will have made two homes cleaner and healthier."

(Signing order): "You have indeed shown rare

(Signing order): "You have indeed shown rare judgment in permitting a mere youth to demonstrate the cleaner, and, speaking as a member of the medical profession, I can commend the splendid method of purifying the air in every room of the home, in conjunction with removal of dirt and harmful bacteria."

"Many people daily buy vacuum cleaners that are good and useful, but there are some who will feel

sorry if they overlook the Royal Purifier."
"Could I show the Royal Purifier again, Sir?"

"Yes, Son. You did well. We will try to get you a lot of demonstrations, and to increase immediate interest we will offer a bonus of 10/- to everyone who fills in the coupon attached and buys from you."



Son.

c/o Turnbull & Jones, Ltd.,

Auckland, Wellington, Christchurch,

Dunedin, Hamilton.

I, or Mrs.....

Address......

Would like the Royal Purifier de-

monstrated, and 1 will accept 10/- as a good luck gift if I purchase.

If you are choosing an Electric Washer, ask Son about the "A.B.C." Son can work it fine.

Kitchen Aids

Mixing and Beating Electrically

CONNING over recipes, as we all do, THAT vacuum cleaners have many we continually find the instructions to "beat until thick" or "beat until smooth," or "beat the mixture all the time," and then it is that we so often decide that that particular recipe is not for us, for we have not the time it demands. This is just where the him to break in back country. kitchen aid steps in, with its infinite usefulness.

That there is a demand for electric food-preparing devices is readily apparent from the number of new mixers that are now being placed on the market. Interviewing the lady of an electric ca e kitchen, a few days ago, at a bay a few miles from the capital city, whose wares made one's mouth water merely to look at them, she said that not one half of what she accomplished could be done without the aid of the electric mixer.

Even in homes where the income is small one of the small mixers will pay its way, enabling the owner, as it does, to mix fruit drinks for children, whip cream and egg whites for cakes, waffles and desserts, to mix salad dressings to a nicety, and beat small or large quantities of batter.

For the business woman, whose time is necessarily limited, but who still likes to run her own small "apartment," one of the mixers and extractors should prove to be a boon. The preparation of food, for instance, when, say, the juice of four oranges is required, does give one rather furiously to think, but with one of the little gadgets, not very much bigger than the old mincer of other days, not only the means of taking the juice of those oranges, quickly and efficiently, is provided, but also the means of slicing vegetables, creaming of butter and sugar for cakes, the mixing of bread and biscuits, and for the other hundred and one ways of saving time and labour.

There are about sixteen electric mixers to be obtained, all essentially alike, mounted on the table on the lines of the old-fashioned mincer, but doing how much more, when just electrically connected with a heating point, which supplies all the source of power. Think of your cake well and truly mixing itself, while you enjoy your morning tea!

Some of these mixers are of rather large size for domestic use, but they are capable of handling all the operations of food preparation, as, for instance, chopping of vegetables, grinding of meat, chipping ice, shredding foods, and fruit juice extracting, while the attachments include an ice cream freezer, an oil dropper for salads, a sieve, which, working electrically, saves all hand-pressure, and many other unique kitchen tools.

Answers to Correspondents

MRS. A.W., Frankton Junction: To clean the Panama hat, get small bottle of Parke, Davis' peroxide of hydrogen, follow the directions on the bottle, and you will find you are able to make a most satisfactory job of it.-Electra.

Clearing Stumps

Novel Use of Vacuum Cleaner

uses we already know, from catching flies on window panes to blowing the fallen leaves off the veranda, but it remains for an enterprising friend to tell us how his cleaner is helping

Stumping is, we believe, one of the most tedious and laborious of all the tasks that fall to the lot of the pioneer. Burning is admittedly the cheapest and simplest method, but frequently the stumps are partly rotted and so saturated by moisture that their resistance to fire is so great that even when once fire is established it is difficult to keep it alive and active. This is where the vacuum cleaner, that we hope the farmer has already bought for his wife, comes in.

It is doubtful if the lady of the house will approve of this use being made of her cleaner, but having convinced her of the necessity to lend it, the bag should be removed, and in its place a tin cap soldered on, holding eight half-inch tubes long enough to permit a fin. hose to be slipped over them. The hose should be of different lengths, 10 to 25 feet, so that it can be carried to eight fires at varying distances from the cleaner. In the end of each hose is slipped a 4 to 8ft. section of half-inch pipe, which is nozzled right in close to the flame, and moved forward as the flame advances, as, for instance, when it follows the length of a long root.

Fires should be started round the stumps with kerosene, and then with the draught from the vacuum cleaner fan, made to undermine the stump completely, and so destroy the largest root in far less time than would otherwise be possible. This process leaves the top soil undisturbed, and adds to it a small deposit of wood ash, which, we all know, is highly beneficial.

This use of the vacuum cleaner is

eminently practical for farmer friends, since it eliminates both the cost and labour of blasting Power lines are available nowadays in most places, and with the use of two weatherproof wires, twisted together to form a sufficiently flexible and sturdy cord, (or kapti flax), the cleaner can be connected from the house or shed, and used as far away as 500 feet or more from the point of connection.

Popularising Electricity

A HOUSE equipped with all the latest electrical appliances has been fitted up at a good address in Edinburgh, Scotland, by the Electricity Development Committee. It attracts great attention, has much educational value, and the modest charge of one penny per visitor is devoted to the needs of the local infirmary.

Sec

"TRIALS IN TACT"

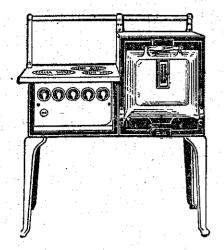
(On page 33 of this issue.)

CAN you cook? Yes, of cours every woman can cook!

you must have some choice recipes that you have discovered. Why not share them by sending them in

to our cookery exchange? Just address them: "Electra, P.O. Box 1032, Wellington," and we shall do

1032, Wellington," and we shall do
the rest—but remember, write on
one side only—it saves a great
amount of trouble. For all recipes
published space rates will be paid
if the clipping, together with date
of publication, is sent to the Accountant (Box 1032) at the end of
the month. For the best and most
useful recipe there is a prize of 5/.
It is hoped that those acquainted
with electric ranges will participate
in the exchange, for we give prefer-



Have you any Suggestions ... for ...

Varying the Menu?

Passion Fruit Butter.

2 ozs. butter, 3 eggs, 11b, sugar, pulp of 8 passionfruit, 4 tablespoons lemon juice, 4 tablespoons water.

Method.-Mix passionfruit pulp and water together, simmer slowly five minutes, strain, add lemon juice to liquid part. Melt butter and sugar together in an enamel saucepan (on electric stove for preference), add eggs well beaten, beat again, and slowly mix in the strained juices, bring to boil and simmer slowly until a light golden brown, stirring all the time. Time. It should be from 20 to 25 minutes. of same consistency as lemon honey when cooked. Store in small jars. The recipe could be doubled, as it is ever so nice.-Nada.



The end of a pleasant

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

ANCHOR SKIM MILK **POWDER**

added while you are mixing them and you'll be ever so proud of the result. More deliciousbetter appearance—and they keep fresh for DAYS longer.

Price 1/2 per Tin Your Grocer can supply.

Free Recipe Folder of Tested Secipes—write "Anchor," Box 844, Auckland.

Sponge Cake.

TNGREDIENTS: Yolks 6 eggs, whites 6 eggs, 1 cup sugar, 1 cup flour, 1 tablespoon lemon juice, grated rind one-half lemon, 1 teaspoon salt.

Method: Beat yolks till they are lemon coloured; add sugar gradually and continue using egg-beater; add white of eggs beaten stiff and dry, also lemon juice and rind. When whites partially mixed with yolks, remove beater and carefully cut and fold in flour and salt (well sifted). Bake one hour in a slow oven in a buttered angelcake pan or deep hand-pan.

Experience has taught me that a sponge of this spoons (heaped) flour, half teaspoon sort should be cooked at 325deg. salt. Being a genuine sponge. and containing no rising properties, failures often occur when heat is too great. If it contained rising agents a temperature of 350deg. Fah. at least would be required, but not so for this recipe. This is a most satisfactory cake to make .-- Mary Silver.

Walnut Cake.

ONE large cup flour, 1 small cup sugar, half-pound butter, 1 tablespoon cocoa, 1 teaspoonful baking powder, 1 cup walnuts, 3 eggs.

Method: Beat butter and sugar to a cream, add eggs, well beaten, then cocoa mixed with a little milk. Add the other ingredients, previously mixed. and bake in a shallow cake tin in moderate oven. When cold, ice and place some half-walnuts on top .- "Mary."

Are you interested in competitions? "TRIALS IN TACT"

(on page 33 of this issue.)

COCOANUT APPLE BETTY

VIVAT" sends the following recipe, which is inexpensive to make, exceedingly wholesome, and easily prepared. It is the 5/- prize recipe for this week:-

4 tart apples,

l cup of soft breadcrumbs,
I cup of desiccated cocoanut.

cup of brown sugar,

I teaspoon of cinnamon,

2 tablespoons of butter.

Arrange a layer of pared, cored and sliced apples in a greased piedish. Cover with a layer of breadcrumbs and cocoanut, sprinkle with sugar and cinnamon, and dot with butter. Repeat layers until all the ingredients are used, topping with cocoanut. Bake, covered, in oven at 350 degrees Fahrenheit for 30 minutes. Then uncover and bake 10 minutes longer, or until apples are soft. The combination of cocoanut and brown sugar is delicious.

Peach Pie.

softened dried Whitelaw mo).

Shortbread

Two tablespoons (heaped) sugar, 2 sugar, table-(heaped) spoons cornflour, 4 tablespoons (level) butter. table-

Mix all the ingredients together, rubbing butter well in. Knead into a lump. Place this in a well-greased tin. Flatten it out till it fits the tin. Smooth off the top with a knife. Prick with a fork and bake for half an hour in a cool oven. It should be quite pale when done. Cut into squares while still warm, and when cool store in airtight tins.-H. B. Lamont.

Rabbit (en Casserole).

Cover the bottom of a casserole with lean bacon, cut in strips, and slice an onion over it. Sprinkle with salt and pepper, and then place the rabbit, cut in pieces convenient for serving, on top Dredge a little flour of the onion. over this, and add a few herbs (about half a teaspoonful), and then slice another onion into the mixture and cover with more strips of lean bacon. Last of all pour over 1 pint of hot water, place lid on casserole, and bake in the oven at 350 deg. Fah, for two hours. Serve with mashed potatoes.-Tao.

Afternoon Tea Cake.

in the exchange, for we give preference to recipes adapted for electric cooking, told with a personal touch. Now, do your best, and we shall do ours for you!

ROLL rich pie. Two teaspoons of melted butter, one small cup of sugar, two teaspoons crust or bis-cuit dough into of baking powder, one and a half cups rounds 6 inches of flour, half a cup of milk, and one across; pinch the egg. Put the sugar into a basin, add edges into cup the egg well-beaten and the melted but-shape. Arrange in a baking tin and flour, baking powder, and, lastly, the fill each dumpling milk. Bake in a moderate oven from with preserved or 20 to 30 minutes. Mary (Waikato).

Crispettes.

peaches. Sprinkle CRISPETTES are much appreciated liberally with by my family, eaten either with liberally with by my family, eaten either with sugar and dot butter or cheese. Take ib. of flour, with butter. 3 ozs. of butter, 2 teaspoonfuls of bak-Bake in a hot ing powder, a little salt, and milk.

oven, 450 degrees Rub butter into flour, add baking Fah. Serve with powder and salt, mix with milk to make cream or hard a dough. Roll out fairly thin, cut into sauce. — Miss rounds and bake. When a pale brown, (Ka take out of oven, split open, and re-bake a delicate brown. Should be crisp and will keep well in an airtight tin.—Bute Villa (Blenheim.)

> A Good Way to Cook Ox-Cheek poons SIMMER the ox-cheek in about four gallons of water. Then remove the meat and let the liquor get cold. The thick layer of fat which has then col-

lected on the broth should be removed. and the meat put back in it with peas, rice and herbs, pepper and salt. Boil until the broth is reduced to one-third of its quantity and the meat is tender.

Alice.

Plum Pudding without Eggs

TAKE a tablespoonful of flour, a quarter of a pound of finely-minced suet, half a pound of grated bread, two ounces of brown sugar and half a pound of currants, cleaned and dried. Mix the ingredients with sufficient milk, and a little flavouring, to make them into a stiff batter and boil.-Economy.



16 a tin all chemists

The Climax

Sailor-boy, Musician and Poet

NOT so many years ago, when Granville Barker's play, "Captain Brassbound's Conversion," was being produced, it was desired to introduce some original sea chanties, but the producer was at his wit's end to obtain

Confiding his difficulty to Mr. Barker, the latter exclaimed: "By a curious coincidence, I think I know where we shall be able to get them. A boy who is a deck-hand on a wind-jammer, trading to South America, came into my office to-day. In his spare time he makes a hobby of composing sea songs, and the words seem just what you want."

"But how about the music?" asked the producer.

"I think that will be all right, too," Mr. Barker said. He has made up some tunes as well, but as he doesn't know a note of music, he whistles them. Anyway, I'll tell him to come and see you in the morning.'

Next day, at the appointed time, a slim, poorly-dressed and very shyyoung seaman presented himself.

"Mr. Barker told me to come and whistle to you," he said, diffidently, twirling his cap in his hands.

HURRY!

HAVE you thought of those seven simple reasons yet? If not, we would like to remind you that our Washing Machine Competition closes definitely at 9 p.m. on April 12 (next Saturday). So, hurry!

All that is necessary to win this competition is to provide the seven best answers, each not exceeding twelve words, to the question "Why I would like an Electric Washer in my Home." The advantages of an electric washer are so outstanding and appealing to every housewife that adequate reasons are easily found to answer this question. It is to be noted, however, that the prize will not necessarily be awarded for sheer cleverness in literary expression. The award will be made on the human value and merit of the reasons given, so that quite simple answers may appeal to the judge as being the most appealing and meritori-

those sea chanties I've heard about." So, very stiff and upright in a chair, the young sailor went through the tunes that in his spare time he had composed in the forecastle of a wooden be disguised. Sometimes the addition viously relieved that his ordeal was at problem. "That's all right," said Mr. Barker's an end, he was asked his name, and remay be used to make a new one. producer. "Sit down, and let me hear plied, "John Masefield!"

For the best results in rem

Children's Wear

THERE are more possibilities in making-over clothing for children than for adults because less material is necessary. Many old garments can be made over into good school clothes for children.

Materials that are too old in weave, colour or figure should not be used for children's clothing unless the fault can

TO AN OLD FACE.

Many a wild, adventurous year Wrote its splendid record here; Stars of many an old romance Shine in that ironic glance; Many a hideous, vital day Came and smote and passed away; Now this face is ripe and glad, Patient, sane—a little sad.

Friend to life, yet with no fcar Of the darkness drawing near; These so gallant eyes must sce Dawn-light of Eternity. See the secret vision still High on some supernal hill; Tis a daring hope I hold-To look like this when I am old.

-L. M. Montgomery.

sailing ship. When he got up to go, ob- of contrasting colour will solve this Often two old garments

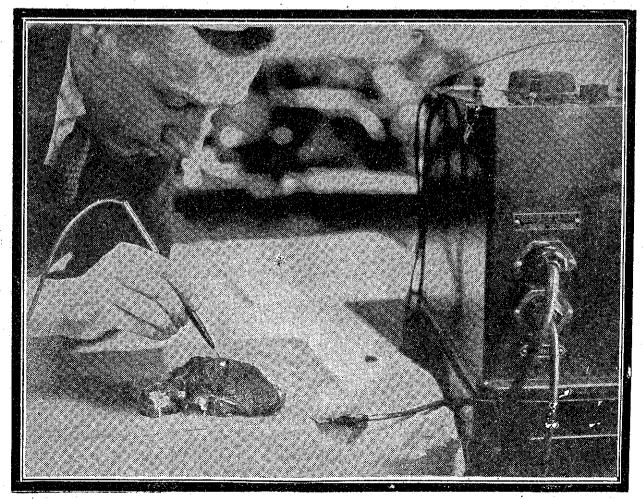
For the best results in re-making

old garments begin by carefully ripping apart where necessary, then remove all threads and mend any worn parts which are to be used. With a stiff clothes-brush or whisk thoroughly brush both sides of the mater-Cleaning is the next job.

MOST stains on woollen garments are grease stains to which dust has adhered. If grease is present benzine, ether, chloroform or the like may be used. Place a pad of clean cloth or a white blotter beneath the stain and change it as soon as it becomes soiled. Moisten a clean cloth, preferably a piece of the same material as that being cleaned, with the cleaning reagent and sponge the stain. To prevent the grease from spreading use only a little of the cleaner at a time and work from the outside of the spot

to the centre.

If the material is otherwi, soiled it may be sponged with ammonia water, or it may be necessary to wash it, but the latter operation calls for care. Avoid a change of temperature to prevent shrinking and to keep soft. Wash and rinse in warm water and dry in a warm room. Materi: washed in warm water and hung out of doors on a cold day will shrink. Make a soap solution by dissolving any pure white soap in soft water, add to this enough warm water to make good suds, and squeeze material with the hands. Squeeze water out—do not twist. Wash much-soiled garments through two waters, and rinse twice in warm water. Hang to dry, using many clothes pegs. Change frequently so that the material will dry evenly.



An electric "knife" which has made the scalpel unnecessary. It seals blood vessels and prevents bleeding,



What She Wrote About Washdays

MIDWEST owner of the Savage Wringerless A Washer, with the Spin-Rinse, Spin-Dry feature writes: "You have no idea how I love my Savage. It is always a great saving in labor and time, but in bad weather it is particularly helpful. Before I had it my hands used to be red and raw from one washday to the other... from rinsing by hand and then hanging out the wet pieces...every woman knows what exposure to outside air does to damp hands.

"Now, when I don't want to hang out the wash, my Savage spin-dries everything ready for the ironer. But even when I do hang out my clothes my hands do not chap, as it is never necessary for me to work with them in water."

This is a good month for you to prove the advantages of the wringerless Savage, to learn how it saves you time, labor, and annoyance. We gladly demonstrate without obligation.



Christchurch: A. R. Harris Company, Ltd., Gloucester Street (Factory Representatives).

Auckland: Domestic Vacuum & Radio Co., Ltd. 300 Queen Street,

New Plymouth: J. B. MacEwan & Co., Ltd., King St. Wellington: Stewart Hardware, Ltd., Courtenay Pic Dunedin: British Electrical & Engineering Co., Ltd., 60 George Street.

Provide Amble Wallplugs

For Convenience and Economy

TOO rigid economy should not practised in providing wall floor plugs. A sufficient number adds immensely to the convenience of a home, and the far-seeing builder or architect should realise that the matter is one of importance in catering for the needs of changing tenants. He may not know how the furniture of each particular tenant will be arranged, but once having installed a goodly supply of points, he need give the matter no further thought.

This is particularly true of bedroom furniture. Some women like wall-brackets beside a dressing-table, others prefer a drop pendant; but to instal either in a permanent way means that the position of the particular piece of furniture has to remain permanent too, because it is dependent for light upon a particular fixture.

Particularly desirable is an under-the-table outlet in the dining-room. Placed in the middle of the floor and connected by a cord that comes through a tiny hole in the rug, such an outlet may be designed to carry several appliances at once. A triple outlet is available which can be screwed on to the table. A portable double or triple outlet which has recently come on to the market, when set beside the hostess, offers a really convenient and attractive means of cooking at the table. In this connection, however, it is necessary to see that the amperage of the combined appliances in use at the same time, do not exceed the amperage of the plug capacity, or blown fuses

IN new houses outlets are recommended every twelve feet in the livingroom base-board, and every fifteen feet in other rooms. If there is a space in the bedroom between do : of about five feet in width, it makes a delightful space for a writing or sewing table, so that an opportunity for light there becomes eminently desirable. At a pantry or entry, a plug should be provided for an electric refrigerator, and the electric iron outlet is one that would well repay a little more thought than it generally receives. It should be so placed that as one stands before the board, facing the light, the cord comes from the right-hand side, so that the necessary light is available without having to tangle oneself up in the cord. An outlet on the veranda enables a meal to be cooked at the table, or tea made out of doors, or the car to be electrically cleaned with ease. Lastly, where outlets are placed for irons, or other appliances, see that they placed about waist-high to avoid the fatigue of stooping each time to connect or disconnect.

U.e Our Booking Offices in Advance.

S-O-S

TRAVEL IN COMFORT BY

WELLINGTON - PALMERSTON NEW PLYMOUTH

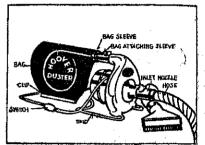
TRADE NOTES

Apparatus suitable for testing and report may be submitted for review in these columns.

The Hoover Duster,

POWER, 4-H.P. electric motor. Revolutions per minute, 970. Amperage, .8. Running cost, .184 pence per hour at 1d. per unit. No. of accessories, 7. Length of suction hose, 9 feet. Price £12/12/-.

THIS electric duster is an unusually efficient device which makes dusting easy, quick, and thorough. Of British make, it enables the housewife to thoroughly clean upholstered furniture,



draperies, mattresses, hooks without removing them from their shelves, doors, window-frames-in fact, all the places window-trames—in fact, all the places that are so tiresome to get at, and, that without troubling to attach dusting tools to the electric cleaner. It will provide draughts of air for the purpose of blowing up pillows, eiderdown quilts, the operation of sprays, for the removal of dust anywhere. Fitted with swivel joints, it is light and convenient to handle, and invaluable where time is precious and ease of cleaning is desired. precious and ease of cleaning is desired.

Royal Purifier.

POWER, universal electric motor; amps, 1.8. Running tests: 415 pence per hour at one penuy per unit. No. of accessories, 11. Length of suction hose, 9 feet. Price, £18/18/-.

This newly-arrived electric vacuum cleaner is designed with the aim of lightness and portability, and at the same time incorporating every necessary cleaning

Great vacuum strength is used to remove the dirt and grit from the carpet and to draw right through the mesh any

move the dirt and grit from the carpet and to draw right through the mesh any dust that lies between the carpet and the floor. An air speed of 180 miles per hour is attained from the suction end if the passages are not restricted. A brush with three adjustments is permanently fixed to the carpet-cleaning nozzle. For cleaning carpets, the adjustment is set so that the brush is flexibly mounted on light springs and will exert little pressure on the carpet pile.

If the brush is not required, it may be withdrawn from usage or it may be set stiff so that in cleaning floors and linoleum it exerts a scrubbing pressure. A felt-covered polishing pad may be attached to deal with polished floors.

A chamber is set in the nose of the

A chamber is set

in the nose of the machine where crystals of a camphor-smelling nature are placed, and they bring

into the air of the room a pleasant odour.

The most valuable new accessory is an atomising receptacle to hold a liquid. which acts both as a disinfectant and a destructor of insects. It is like the ap-paratus used for spraying duco paints on the modern motor-car and can be used to spray varnish and light lacquers over woodwork.

The Story of Washing

How the Modern Machine Evolved

of the proverb that "cleanliness is next song which led the game. to godliness." In some cases, cleanliness becomes apparent as the result of godliness, as with the conversion of savages, and in others, cleanliness remains apparent, when, perhaps, godliness has become obscured.

A state of savagedom is known to exist where there is neither cleanliness nor godliness, and as with the case of the hen and the egg, it is difficult sometimes to know which came first. Certain we are, however, that when they come they do so practically together, the love of God and the love of cleanliness.

The Heavy Toll of Washing.

THE early settlers of this country, we are told, found its people, the Maoris, practising cleanliness, washing both their household linen, what they had of it, and their clothing in running streams and pools. This also is the method still practised by natives of other countries, and very well indeed is the washing done, the dirt being either beaten out against the stones by hand. or trodden out by the feet, but at what cost of labour?

At what cost those same early settlers pursued the cult of cleanliness for themselves, their families, and their households is told only too sadly in the tale of womenfolk not only grown old before their time, but of lives unnecessarily sacrificed before the fetish of the wash-tub. We dare swear, that whatever else occurred, and even if the mother of the family remained at home, few of the children ventured forth on high-days and holidays wearing anything but the cleanest of clothes, and those probably highly starched into the bargain-but again at how much cost to the mother in loss of health and sacrifice of leisure!

simple washing day of the earliest trically-operated washing nical "do it in no time."

tëlls the business thus:

Then they took the clothes from the sidered. waggon, and carrying them to the dark water, trod them in pits briskly, in in the past for some women to look

Then, after they had washed and almost beyond their cleansed away all the stains, they with which they have been diffident of

THE desirability that raiment, if not spread everything out in order on the new, should at least be clean, seems foreshore, even where the sea, beating to be of very little later date than that the coast, had washed the pebbles clean. of Mother Eve herself, at whose door Then . . . they ate their mid-day meal we lay so many evils. In Mosaic days on the river bank, waiting till the laws were given that after certain oc- clothes should dry in the sun's rays. cupations, soiling alike to clothing and And anon, having finished their meal, ideas, such as the killing of cattle, both the maidens and the princess, they fell raiment and bodies should be cleansed; to playing at ball . . . and among and it becomes easy to trace the source them white-armed Nausicaa sang the

> It is doubtful whether up to sixty or seventy years ago, they even had the advantage of soap, and certainly not as we know soap to-day, with its attend ant myrmidons of soap flakes, powders. etc. Probably the first form of watersoftener that was used was lye, and afterwards home-made soap, at first, necessarily, of a crude quality.

When the Copper Came.

WELL, other times, other ways, and so came the means of obtaining hot water, the copper which must have seemed quite ideal to those early settlers, then the mangle and the wringer, but still, in spite of all, real heavy hard work for the woman already overdone with other duties, both indoors and outdoors, and groaning to think of the indoor work neglected, or not done as she would have it.

No mother ever shirked motherhood because of the extra labour it involved, but it is well recognised that mothers require saving from themselves, where service to their children is being con-

Necessity was always the mother of invention, and so far back as 1845, nearly 100 years ago, we find the idea of a machine to accomplish the dreaded business of washing-day being developed, but, of course, in a crude fashion. From that, the Lancashire Efficient and inspirdollies evolved. ing they were, but still dependent upon hand-power. Hand-power -- only a mild word for the ensuing ache of shoulders, back and limbs that follows the old-fashioned washing-day, that has made invalids of otherwise capable

What Electricity Can Do.

IN this country to-day there is no excuse for such waste of life and HERE is a translation describing a energy. Electricity is here, and elecmachines. age. It is in contrast to the clothes from the size designed to handle only washing day of the Victorian era, now smaller pieces, and which takes up alhaply receding from us with the incor- most no room, to the larger ones which poration of electrical energy and mecha-take care of the family laundry with ease and speed. They are all very However, having to tell how Odys- simple to operate, and many are now seus, shipwrecked and far-spent with equipped with extension legs, which alswimming, wins to shore and drags low adjustment to the required height. himself, naked, to hide in the bushes They are constructed after intelligent just as Nausicaa-the king's daughter study of the needs of the home, and not of the country-drives down to the only is construction studied, but debeach with her maidens to wash the sign and colour are given due attencourt linen in a stream close by, he tion. Ease in operation and in cleaning are two of the main factors

There has, perhaps, been a tendency upon electricity as a mysterious power comprehension,

Trials in Tact

(Conducted by Savoir-Faire)

Problem No. 10 (Last of Series)

1st Series.

Mrs. A. is on the same telephone party-line as Mrs. B. and has always been on good terms with her. One day Mrs. C. rings up Mrs. A. and makes a certain serious allegation against Mrs. B. Mrs. A. refuses to be drawn into a discussion of the matter, but immediately Mrs. C. rings off, Mrs. B., who has evidently been "listening-in," rings and asks Mrs. A. for verification of the last speaker's name. Mrs. A. realises that the matter is serious and does not wish to be involved. What should she say or do? Suggested by "Sue."

(Answers must be post-marked not later than April 10, 1930.) A nom-de-plume may be used, but names and addresses must be. The same nom-de-plume must be retained throughout the series. All replies must bear a postmark dated not later than the Thursday after the date of the journal in which the problem appears, and should be addressed to "Savoir-Faire," "Radio Record and Electric Home Journal," P.O. Box 1032, Wellington.

Savoir-Faire's decision must in every case be accepted as final.

Notes

TRECKLES: Your solution of Problem No. 8 arrived after the last issue had gone to press, but the postmark was quite in order, and you have therefore been credited with 3 marks.

Fiat Pax: No, Fiat Pax, regarding Problem No. 7, so far from suggesting that Mrs. B. should approach Miss C., you say "the proper course to take in the first place is to warn the erring husband. . . . Miss C. can be ignored as she has already compromised her friendship and her conduct is sufficient to indicate that she will not brook any interference."

Solution of Problem No. 9.

COMPETITORS seem to have found the ambiguity of the description of C. as "an official onlooker" something of a stumbling block, but I think were he either definitely superior or inferior to A. and B., we

should be so informed. As I read the problem, he is not actually concerned with either, but in a position to know the facts.

I agree with Mrs. Mason and all those other competitors who state that it would probably be worse than useless for C. to tackle A. So far from mending matters, it would be more likely to make things worse On the other hand, C. should not stand by and see rank injustice

done to B., especially as the work of the department must also suffer.

Senga's answer is short and to the point. She says: "C. should advise B. to make a complaint to their superiors to the effect that he was not getting a fair deal from A., and at the same time offer to support B.'s evidence, seeing that he is in sympathy with him." I would, however, amend it so far as to say that C. should inform B. that if he feels

ever, amend it so far as to say that C. should inform B. that if he feels inclined to lodge a complaint or ask for an inquiry, he can count on his (C.'s) support, and leave it to B. to act or not, as he thinks best.

Marks have been awarded as follow:—A Trier, 5; Anon, 3; Apple Pie Mary, 0; Bonza, 5; Clara, 0; Duplex, 3; Deerfoot, 5; Equity, 4; Fiat Pax, 5; Frances, 5; Freckles, 0; Grace, 0; Haven, 0; Irene, 4; Jean, Te Puke, 0; Jonquil, 3; Kummel, 4; Lucid, 5; Mrs. Mason, 4; Myra, 5; Mayflower, 4; Natural, 3; Nomen, 4; Olivia, 5; Priscilla, 3; Pumpkin, 5; Query, 4; Radex, 0; Radio, 3; Rosa, 0; Senga, 5; Scylla, 3; Summit, 2; Thames, 0; Tuner, 5; Topaz, 4; Undine, 3; Viola, 3; Verity, 5; Wynward, 0; Weaver, 3; Xylonite, 0; Xerxes, 5; Yum-yum, 4; Zenobia, 4.

acquainting themselves, but electric required, with subsequent monthly paywashing machines are sent out with such definite instructions, the mechanism so simple, requiring hardly more than that the operator should know how to start and stop the machine, that it is a truism to say that a child can do it.

There are diverse types, to suit all ideas-some with, some without wringer attachments; some operating on the principle of agitation, the clothes being lifted rapidly but gently up and down through the hot suds; others spin the clothes rapidly through the water, and will also spin entirely or partially dry. Special care is taken in every instance to avoid damage to the articles being laundered, so that no fear need be entertained on that score.

Nor need lack of finance prove an a small initial payment is all that is pads.

ments so small that they need hardly be taken into account, and which are certainly more than adequately covered by the ensuing saving of time labour.

The present is the time, before the short days of winter are upon us, for every woman to decide, be she town or country-dweller, rich or poor, the way she will wash her

How Unnecessary

A LONDON boy, being sent to bed by his parents, set the house on fire. If his feet were cold, he need not have proceeded to such extreme measures, obstacle to the possession of one of had his mother provided him with one these household boons. In most cases, of the neat little electric heating



A Continuous Howl.

WHEN working Auckland I get a continuous howl up to about 8.15 p.m. states "Mo. Whare" (Feilding). Would this be HKJ heterodying?—Probably.

2. I am re-erecting my aerial and can get one pole 2ft. higher than the other.

Which end should be the highest or should

which end should be the highest or should they both be level?

A.: Having one pole only 2ft. higher than the other would make very little difference, if any, to reception. It is the average height that counts. It is immaterial which end is higher.

Inadequate Grid Bias.

"DISTORTION" (Frankton Junction) has connected a Pentode in the last stage of his Cossor Melody Maker and

stage of his Cossor Melody Maker and wonders why he is getting distortion. He has 125 volts on the plate.

A.: The pentode is inadequately biased. Connect another 9-volt C battery in series with the one in the set, and you will find that reception is greatly improved. Try varying the tappings to obtain the best results.

Valve Combination.

WHAT is the best valve combination for "Round-the-World" Two. I am using dry cells for the A battery, and have to keep filament consumption as low as possible, states "Dynamic" (Lower Hutt).

A.: There are several on a par. The Mullard PM4DX and PM4, and the Osram 410HF and 410LF are as good as

Amplifier Hum.

"ESSREE" (Hawke's Bay) is using a power amplifier from which he is obtaining excessive hum, although he has employed a D.C. valve in first stage.

A.: Apparently the hum is originating in the B supply, and consequently efforts

directed towards removing it from the fila-ment are of no avail. The power pack may not be able to supply the power. It is possible that a condenser has broken down in the B supply. Use a bigger power valve in the last stage, as 609 is in-power valve in the last stage, as 609 is in-powerly of contracting affiliant savings as capable of giving efficient service as a power valve. It is a general purpose

Reception Erratic.

UNTIL recently reception has been good, but now it will stop, and the local station can be heard faintly in the distance.

A.: It sounds very much like an open circuit, and this can be tracked down only by very careful examination and testing by phones and cell method. This has received a considerable amount of attention in previous issues, and in the "Radio Listeners' Guide." Have your power packs examined, because a condenser may have broken down therein.

2. I find that better results are obtained by interchanging the detector A415 and the R.F. valve A409, though the former is recommended for the detector

A.: That quite often happens. It deends entirely upon your circuit characteristics. General purpose R.F. or audio valves can usually be interchanged, but the power valve should never be tried in any other socket.

The Browning-Drake.

CORRESPONDENT from Christchurch asks the following points con-

cerning this receiver:—
1: Have any improvements been made since the circuit was originally published

in 1927? A.: Yes, see the 1929 Radio Listeners'

each?

A.: PMS Radio requiring from 45 to 90 volts; 4DX Detector taking about 22 volts; first audio either 4DX or PMS can take 100 volts; the power valve, 254 can take anything up to 150 volts. Each valve, however, with the exception of the detector, will work on less voltage.

3: What value resistance do these valves require to break 4½ volts down to 4 volts?—I ohm.

4: Would screen-grid valves be any

4: Would screen-grid valves be any

advantage?

A.: They improve the distance getting ability of the receiver a little. See Radio Listeners' Guide.

5: What valve would you advise for the screen-grid?—PM24 in Mullard. It would not make any difference to the 1

ohm resistance.
6: Where can I purchase the H.F. transformers?

transformers?
A.: Fear and Company, Wellington.
Price about 25/- a pair.
7: Where can I obtain a suitable audio choke 20 henries inductance?
A.: You can quite easily make one yourself, from details that have already been published in the "Radio Record," but Fear and Company will easily make up one for you. A good commercial choke up one for you. A good commercial choke can be obtained for 9/- or 10/-. Do not use the secondary of a burnt-out transformer, as is advocated by some. It has not the inductance and cannot pass the required current.

8. Could I reasonably expect the set to bring in some of the lower-powered sta-tions, when conditions are favourable? A.: Yes, the set performs very well on

stations such as these.

9. Any suggestions will be appreciated.
A.: Very full details have been given in the "Radio Listeners' Guide," but if you have any further difficulties, we shall

you have any further difficulties, we shall be only too pleased to assist you.

10. Does the wiring of the primary of the H.F. transformer run in the same direction as that of the secondary and tickler coils.—Yes.

11. What wavelength can be tuned in on the average aerial?

A.: 200 to 250 metres.

"A" Eliminator Chokes.

WHERE can I find the details for an "A" choke to make up the eliminator described in the "All About the All-Electric"? asks "R.W.R." (Auckland).

A.: This question will be very fully dealt with in the "Radio Listeners' Guide and Call Book," which will be published early in May.

Binocular Coils.

I AM building a receiver using binocullar coils and would like to know the following particulars, asks "D.McK." (Wellington).

1. Which is the better type of coil for the aerial, a binocular inductively coupled or a single type coil tapped for selectivity? I am using a screen-grid.

A.: The binocular coil is not particu-

larly suitable for the screen-grid valve.

Use the tapped solenoid.

2. For reaction should I wind on 40 turns in two layers in the reverse direc-

A.: Yes, 40 turns will be just about sufficient for the condenser you are using,

but you may have to take off or add a

Amateur Transmitting.

WHERE can I obtain a book with the Where can rotain a book with the addresses of the Australian amateur transmitters?—"Grid Leak" (Blenheim), A.: Te Aro Book Depot, Wellington. The book is "Amateur Radio."

2.: When will you publish a complete list of New Zealand experimental and amateur transmitters?

amateur transmitters?
A.: In the "Radio Listeners' Guide and Call Book" due out next month.

"Round-the-World" Twe.

 ${
m C^{OULD~I}}$ use a $3\frac{1}{2}/1$ transformer for this circuit? asks "A.E." (Feilding).

A.: Yes, but it would diminish the sig-

al strength slightly.

2: I have a variable condenser with four fixed and four moving vanes. Will this be all right for tuning?

Questions and Answers

READERS of the "Radio Record" who are in difficulties about reception or set construc-tion are invited to write to our "Questions and Answers" department for help. We particularly wish to assist those who know little about radio, as very often there is some very slight trouble which spoils completely one's enjoyment of the programmes.

Correspondents are asked to

observe the following courtesies:

1. Write legibly.

2. Make your questions brief and to the point; do not make apologies for writing, and, where possible, tabulate.
3. Do not ask for a reply by

ost unless a stamped and addressed envelope is enclosed. Even in these circumstances, we reserve the right to answer any question through our columns.

4. Do not ask us to design circuits or send detailed lay-out diagrams; but we can offer advice regarding circuits,

5. Address all technical correspondence; "The Technical Editor, P.O. Box 1032, Wellington,"

A.: Your details are not full enough

to give a decided answer, but it should be all right. Try it.
3: Can I use B105?
A.: Yes, in the last stage.
4; Can I expect 5SW?—Yes.

Constructional Problem.

CAN I obtain a copy of the "Radio Record" containing the first instalment of the two stage R.F. Browning Drake? asks "R.L." (Greymouth).

A.: We have a few of these on hand, and you could obtain a copy from the office. However, it is fully described with the latest improvements in the 1929 Radio Listeners' Guide.

Radio Listeners' Guide.
2: Would 20 gauge tinned copper wire do instead of 18 for "Megohm's" three-

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valve short-wave set? If so, how many turns would be required?

A.: It could be used quite well, and the number of turns should not be altered, if the wire is well spaced; it must occupy the same length as the 18.

"F.C." (Auckland) asks for the details of short-wave coils for a "E.A." (Waimauku).

factory-made 3-valve receiver.

A.: Those described in the Listeners' Guide should be all right, with slight adaptation, but the capacity of the condenser must be reduced by means of a condenser in series.

OOS condenser in series. denser must be reduced by means of a .0008 condenser in serigs. .0008 is not easily obtained, so use a .0005 and a .0003 or .00025 in parallel. We should advise you, however, to obtain the commercial coil, for these are designed for your circuit.

2: Would I improve matters if I

used copper shielding?

A.: Here again we advise you not to tamper with a commercial product. The only way we advise amateurs to interfere with commercial receivers is on the audio side, where they can frequently adapt the wiring to provide different voltages for the anode and grid bias.

Rheostats.

WHAT is the difference between a 30 ohm filament rheostat and a 6 ohm one? asks "G.S." (Wellington).

one? asks "G.S." (Wellington).

A.: A 30 ohm rheostat will break down the voltage of the current it passes much more than will the 6 ohm one. more than will the 6 ohm one. Usually a 6 ohm rheostat is made of heavier material and will pass greater current. It is used when there are several valves consuming a large amount of filament current, and when it is necessary to break down the voltage supplied to them by a volt or two. The greater the current that flows the less in ohms is the resistance that must be used in the circuit. This explains why a single valve or two valves using low filament con-

sumption require a 30 ohm rheostat while sumption require a 30 ohm rheestat while five or six valves require a 6 ohm one.

2: Does the rheostat act as a switch for both "A" and "B" batteries?

A.: Almost without, exception, yes.

Set Oscillates Too Freely.

"E.A." (Waimauku).

A.: You have probably too many turns on the tickler coil; try reducing them. Reverse the turns to the tickler if it is separate or to the condenser if the tickler coil is continuous with the secondary. See that the filament negative is earthed, and test your grid condenser. Put the and test your grid condenser. Put the detector voltage on a separate tapping,

say 22½. 2: When I put my finger on the grid

leak the set squeals.

A.: This indicates that the audio side of the set is intact.

A.C. "Round-the-World" Three.

IS it possible to use an ordinary bell-ringing transformer to light the fila-ments in "Round-the-World" Three? asks ments in "Round-the "L.W." (Auckland).

A.: A full explanation of why A.C. can-A.: A full explanation of why A.C. cannot be used in D.C. valves appears in the 1930 "Radio Listeners' Guide," and in "All About the All-Electric." If you wished, you could use A.C. valves in "Round-the-World"Two, though a little hum may be introduced when dealing with the high frequencies. In this case, a bell ringing transformer if it would pass the requisite amount of current would be all right.

2. Where can I obtain details for building a B eliminator?

2. Where can I obtain details for building a B eliminator?

A.: One was described in last year's the wire 18 sgw. spaced, then the bands are most likely 15 to 30 mteres, 30 to 45, was described in the "Radio Record" at the end of last year, and the subject will receive attention in the 1930 "Radio Listener's Guide." If you have not had Listener's Guide." If you have not had previous experience, follow the descriptions of specific cuit all right?

tion in the 1929 "Guide." We do not agree with you when you say it would be make up the R.F. and detector stages of better to buy one. Those who can afford the scheen-grid three-valve set dethe time to make one can usually turn scribed in last year's "Radio Listeners' out a better article than the commercial Guide." tion in the 1929 "Guide." We do not one at the price.

Valve Base Coils.

WHAT is the best material to use for spaces on a double wire cage aerial?

asks "R.E.T." (Whangarei).

A: Strong bamboo or cane makes excellent spaces, but the ends must be well bound to prevent splitting. Any hard timber well seasoned and painted will be all right.

2. Should the leads-in be kept at a distance until they reach the aerial ferminal?

A: Keen them of A: Keen the you ours.

A.: Keep them at

2. Would I use the same size choke for as it is convenient.

both long and short wave?

A.: The choke is more important on the short-waves, so use the short-wave

A.: About 150.

Wavelengths of Short-wave Coils.

R.D." (Te Kuiti) asks the following "R.D." (Te Kuiti) asks the following questions concerning this subject:

1: What are the wavelengths covered by the Aerola short-wave coils? They are ?? inches in diameter and bound with 18 swg. wire, I think. The secondaries are 3, 7 and 18 turns respectively. They are used with a .001 mfd. condenser.

A.: The details are fairly vague. The omission before the word inches prevents

omission before the word inches prevents us from giving an accurate answer, for we do not know the coils in particular. and consequently can only approximate. If the diameter is 3 inches, the gauge of the wire 18 sgw. spaced, then the bands are most likely 15 to 30 mteres, 30 to 45, and 45 to 60.

Aerial Wire.

WHAT is the best material to use for

A.: Keep them at a distance for so long

Audio Transformer Question.

the short-waves, so use the short-wave specifications.

3. How many turns would I put on a fleations state that an audio transformer test tube for this choke?

A About 150 is to be used. I have a low frequency transformer marked P, G, + B, — C. Can this be used instead of the audio transformer?

A.: Yes, they are identical. If the specifications show the transformer marked IP IS, OP OS, then IP=+B, OP=P, C=IS, OS=G. If it is designated in

the usual American fashion, the markings will be the same on both transformers.

2. Can a valve base be wound for a coil former for "Round-the-Word" Two? How will this affect the wiring?

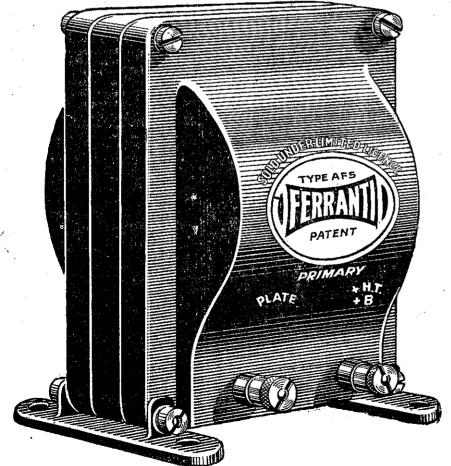
A . Slight adaptions should be in the

A.: Slight adaptions should be in the nerial circuit; the tappings would pre-sent a little trouble, though it could be

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How to Improve the Amplifier



ECAUSE the audio amplifier is common to every valve receiver, and also assists in obtaining the best type of gramophone reproduction, it has, in company with the loud-speaker, become a subject of supreme importance. It is

supreme importance. It is the constant desire of every con-structor to alter and improve with the aim of ultimately possessing a push-pull amplifier working completely off the electric mains supply.

Those who have already arrived at this stage know the extreme satisfaction to be derived from an amplifier capable of handling heavy volume with remarkable clarity and an absence of noticeable distortion. Such reproduction, of course, assumes the provision of a loudspeaker worthy of the amplifier. Although a power amplifier may be capable of giving enormous volume without distortion, such volume need not necessarily be used, but forms an amount of "reserve" that ensures the very highest quality of reproduction when normal volume is used. This is a very different condition to that obtaining when a small amplifier is used, and every part of the circuit is "pushed" to give far more volume than the outfit should be expected to give. The result of this latter method is the production of plenty of noise, accompanied by very little quality.

Apart from the bad effects of ampli-

fying the output of an overloaded detector valve, there may be inefficient transformers or other components, and valves incapable of carrying satisfac

tory volume.

Of course, as many are aware, the valve in the last stage is the main factor, so long as it is backed up by other necessary improvements in the circuit, and when it comes to placing two valves in "push-pull" in the last stage. some rather drastic changes may be necessary. But these changes are all worth while, and have to be faced sooner or later by the progressive constructor.

Power Valves.

POWER-VALVES may be used in the last stage of any receiver, and may be classed as "small," "medium" and "larger" or "super," the latter class including the 245, 210 and 250 types.

A power-valve has a low impedance,

which allows a large "B" current to pass, and has a thick and long filament in order to increase the emission o increase the emission of The plate is large, and its electrons. high applied ("B") voltage increases

A Comprehensive Treatment of an Important Subject

(By "MEGOHM")

varied by the action of the grid becom- UX120 is about the limit. ing alternately positive and negative.

The relative positions of the three electrodes with regard to one another, and the spacing of the grid wires determine the amplification factor of a valve, and in a power-valve the electrodes are placed to give a low impedance, and this, with open-spaced grid wires, gives a low amplification factor. The ability to handle greater volume compensates for the lessened amplification. In receivers with a large overall amplification, and consequently capable of passing heavy volume to the first audio stage, it may be necessary to place in that stage a suitable power-valve, usually a small one, so that fair amplification is retained, but where two large valves are employed in push-pull in the last stage, the first audio may have two smaller valves in push-pull also. This is the most satisfactory arrangement of all, but complete operation from the mains is practically necessity.

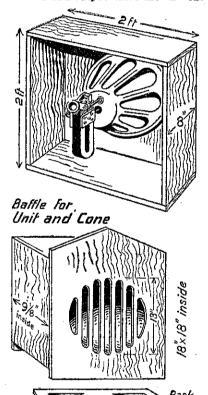
For the battery-operated set with an output valve that does not handle the required volume very efficiently, it may be desired to place a larger valve in the last stage. Probably such a change must be accompanied by several other changes, because the fact of the larger valve passing more "B" current, possibly at a higher voltage, introduces other matters for consideration. In order to obtain the full advantages of the larger valve, the plate voltage should be near the maximum recommended by the manufacturer, and the actual current in milliamperes taken from the "B" battery will be greater than previously. Where a "B" eliminator is in use the required voltage will probably be forthcoming, and probably the milliamps. as well, because if the eliminator maximum is 150 to 180 volts, it will not be used on a valve requiring more than 20 milliamps., such as the UX171. For dry "B" batteries to last a reasonable time, the total drain should not exceed about 15 mills.. so that a 112 type valve is economical, and where

the electron flow, which in turn is dry "A" batteries are used also, the

Grid bias has usually to be increased when a larger valve is installed, but is easily provided by a 22½ volt or other suitable dry "B" battery, if not provided by an eliminator.

The Loud Speaker.

THE next consideration concerns the output to the loudspeaker. In sets with a small output valve the "B" cur-



Cabinet for Unit & Cone

rent usually traverses the speaker windings, but as it will probably be only about 6 mills., no harm is done to the speaker magnets if correct polarity is observed in connecting the leads. Where the current passed is more than 10 mills, it is advisable to employ a choke-condenser output filter to protect the speaker windings from saturation by the "B" current. Quality is assisted thereby, and the lower impedance of the output valve will not then affect the speaker output.

A valve delivers its maximum undistorted volume when working into an external resistance equal to twice that of the plate resistance or impedance. This means that the impedance of the speaker should be about double the impedance of the valve impedance. though actually there is nothing critical about the matter, especially so long

as the speaker resistance is not less

than that of the valve.

An output transformer may be used to compensate for the difference, especially if a dynamic speaker is used.

In the case of an ordinary speaker, an output choke usually renders fur-ther matching of impedances unnecessary. It also prevents serious loss of plate voltage, prevents heating of the speaker windings, prevents the placing of a mechanical bias on the speaker armature, and prevents feed-back from the last valve. The inductance of the choke should not be less than 20 to 25 henries, and the condenser 2 to 4 microfarads. The combination can be purchased as a complete unit.

The adoption of large valves means the provision of a power-pack to supply up to 450 volts, and comparatively large current. A pair of 210's in push-pull will require 36 mills., and a pair of 250's will take 110 mills, at the highest plate voltage of 450. The 245 is a valve giving output about equal to the 210, but with only 250 volts on the plate. The filaments of such valves are run from low-voltage raw alternating-current supplied by the power-pack, the voltage of the 245 being 2.5, and of the 210 and 250, 71

volts.

The average loudspeaker requires about 100 milliwatts (0.1 watt) to give good volume for a small room, but to obtain consistent quality there should be considerable reserve of power beyoud this. The less reserve of power, the greater the liability to blasting or distortion on occasional notes. At the highest plate voltage of 150, the UX 112A gives nearly .2 watt, and with 180 volts the UX171A gives .7 watt output.

It will, of course, be understood that these notes are chiefly for the benefit of owners of the numerous batteryoperated sets, many of them home-built, that will continue in use for a considerable time to come. Many of the hints, however, apply equally well to home-built a.c. sets, especially as the last stage in any a.c. set invariably contains an ordinary power-valve, the filament being heated with raw a.c. The average factory-built a.c. receiver has a more liberal audio equipment than its battery prototype, owing to the availability of greater power, and for the same reason the inclusion of a dynamic speaker is usual.

Audio Transformers.

ONE of the easiest ways of improving an amplifier is by introducing bet-ter transformers than those already installed. Indifferent transformers may introduce a considerable amount of both frequency distortion and harmonic distortion. Frequency distortion is the difference in the amount of amplification at various audio frequencies. A poor transformer will give considerable amplification on high notes, and may give objectionable emphasis known as a "peak" around a particular frequency; whilst at the same time the amplification of low notes is so slight that below, perhaps, say, 150 cycles, they are practically lost.

A well-designed modern transformer is provided with a primary winding of high impedance, so that the low notes are sufficiently amplified, whilst high note loss is prevented by sectional wind-



BATTERY CLIPS MAKE SURE CONNECTIONS

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ing which reduces self-capacity tween the primary and secondary windings. In this way the amplification is even through the part of the musical scale in general use, and with only a very slight diminution at the Such transformers contain extremes. more material than the inefficient types and cost a little more, but the difference in cost is trifling when compared with the tremendous gain in performance.

Harmonic distortion is the insertion of harmonics that were not present in the original sounds. These barmonics may be only weak, but they may easily affect quality. They may be produced in the valves, but more probably by the iron in the transformers. better transformers have cores of very special material in order to prevent this type of distortion.

But the transformer is not always to blame. Such distortion may also be caused by a too selective receiver, too much regeneration or regeneration in too many places, poor detection, and poor amplification, or a combination of these.

Introducing Distortion.

DISTORTION may also be introduced by improper battery connections, or voltages, or too low a filament Amplifier filaments should be voltage. fixed at the correct constant voltage by employing "amperites."

The lower the ratio of the transformer, the less the overall amplification for a given number of stages, but the better the quality if the transformer is properly designed. A 6 to 1 ratio does not give twice the overall amplification given by a 3 to 1 ratio; and as the ratio is reduced, the relative amplitude of the lower notes increases, with the result that the apparent decrease in amplification is less than it would be if the amplification were reduced in the same proportion over the entire scale of frequencies.

The primary of the first audio transformer carries the detector plate current, which is very small, but the second transformer carries the plate current of the first audio valve. This is also small as a rule, but when it exceeds 6 miles, as would only be the case in a large amplifier, its case becomes similar to that of the speaker windings at the output, and the current may cause distortion by over-magnetising the core. A choke-condenser filter can be used in this position, and has actually been employed in some instances, allowing only the a.c. component to traverse the primary winding.

The capacity of the condenser across

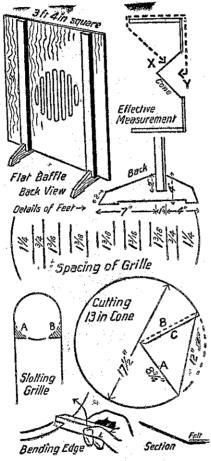
the primary of the first audio transformer is usually stated as .001, but a much smaller one may be found better on trial, say .0002 to .0005 mfd. This condenser has to allow r.f. current necessary for reaction to flow through the detector plate circuit, but must block the highest audio speech frequencies so that they have to pass through the transformer windings. A condenser is not required across the second primary unless the low notes are lost and the resulting quality is "tinny," in which case a suitable capacity may be used to subdue the excess of high notes. Only for this same is of little assistance in curing oscilla-reason is a condenser put across a tion, secondary, though it is seldom recom-

Audio Oscillation or "Motor-boating."

ployed, simply because distortion is quency, probably reducing amplifica-

a "B" battery used for all stages of the receiver, or a "B" eliminator with continuous resistor. In both cases there is high-resistance coupling, and in the case of the dry battery the resistance is gradually increasing as the battery ages, thus making conditions

With a wire-wound resistance of 20.000 ohms in each plate lead except the last, and a 2 mfd. condenser across the plate side of the resistance and the earthed filament, a Ferranti engineer claims that motor-boating is impossible. In actual practice it might only be necessary to make this addition to one or two stages in the case of battery supply. When a "B" eliminator is used, in order to take advantage of this plate feed system, it is necessary to tap each voltage from a higher point than that required, reducing the voltage for each plate by a separate resist-



ance in its particular lead, also adding the condenser on the plate side. Sometimes an audio choke is used in place of the resistance, but there is no guarantee of its effectiveness. A pushpull output stage prevents feed-back from the output valves, but only if the impedances are properly matched for both valves and transformers. Speech current does not then traverse the source of "B" current. Shunting a "B" battery with a 2 mfd. condenser

Sometimes it is recommended that the connections to primary or secondary winding of the audio transformer be reversed. This procedure may stop THE output quality of many ampli- the tendency to how at low frefler's is not as good as should be quency, but reduce signal strength and expected from the components em-create distortion at a higher fre-

followed by transformer coupling, is kind of unit or glorified head-phone very liable to audio oscillation.

Output transformers do not tend to prevent audio oscillation because they allow the speech impulses to traverse the "B" supply.

Perhaps this form of oscillation is most troublesome when it is incipient; a condition in which it is sufficient to mar quality without being audible as oscillation.

Another form of distortion may be introduced by radio-frequency finding its way into the amplifier. By-pass condensers at suitable points as may be found necessary will subdue this The usual values are .001 trouble. from detector plate to filament, .25 mfd, from bias end of transformer secondaries to filament. B+ end of second transformer primary to filament, 1 mfd. A non-inductive high resistance (grid-leak type) to suit the amplification factor of the valve may be placed in the grid lead of the first audio valve. For an amplification factor of 5, 250,000 chms; 10, 120,000 ohms; 15, 80,000 ohms, and 30, 40,000 ohms.

A New Amplifier.

FROM America comes a description of a resistance-coupled audio amplifier which "Radio News" states gives practically uniform amplification from $\bar{0}$ cycles per second to 20,000, with no feed-back troubles of any Four stages are used, and a special plate supply is required, owing to the unusual voltages and bias. The amplifier will give a power output of $4\frac{1}{2}$ watts over a band of 30 to 10,000 cycles per second.

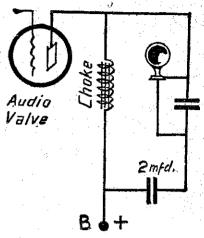
The voltages used vary from 560 positive to 240 negative. The valves employed are 240, 201A, 112A, and 250. The circuit is a "straight" resistance of special type, without coupling condensers.

The Loudspeaker.

THERE is no more important unit in the outfit than the loudspeaker. It truly has the "last word" all the time. and can preserve or mar the good product of the rest of the circuit. But the speaker is not altogether in an enviable position, for it frequently has to bear the blame for evil wrought by components earlier in the chain of reproduction. For the present we are leaving dynamic speakers out of the discussion, as this article is dealing with home construction of a simpler kind.

The cone speaker in one form or another has come to be the popular reproducer in place of the horn type.

be- introduced owing to feed-back through tion. A stage of resistance-coupling, first a cone was actuated by the same magnet that did duty in the speaker of the period, but as time has elapsed, great improvements have been made in magnetic units to operate cones. The introduction of the balanced-armature was a big step forward, and this type of unit driving homebuilt cones is now giving pleasure to



An output filter improves tone and saves the speaker windings.

many thousands of listeners in this country.

Condensers Across Speakers.

ENQUIRIES have sometimes been made with regard to placing fixed condensers across loudspeaker leads. With a good amplifier these are usually unnecessary, because when amplifi-cation is fairly even, both high and low notes are produced in more or less correct relation with regard strength, and there is nothing superfluous. If the amplifier has a peak on the high audio frequencies, it will favour gramophone scratch, and unduly emphasise some high notes, and in such a case reproduction may be rendered more agreeable by subduing the higher portion of the musical scale by placing a fixed condenser across the speaker. The necessary value must be found by trial by suit each particular The value should be kept as small as possible to give the desired effect-large capacity reduces volume, and may give "woolliness" to speech. From .01 to .05 should be tried. If the capacity is too large, all the higher portion of the musical scale will be either considerably weakened or entirely lost, and the tone will seem to be lower on that account, but all bril-

NEW RADIO SETS

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ON sets guaranteed for tone, distancegetting and performance.

1 only MODEL A.C. DAYTON, 6-valve, a beautiful Set. Usually £20 £40.

1 only A.C. Dayton All-Electric, A wonderful job. Magnificent £60 Console Model, two built-in speakers. Originally £150. NOW

Guaranteed in every way. See the Big Radio Snips at-

WATERWORTHS

WELLINGTON, AUCKLAND, CHRISTCHURCH.

If the low notes are sufficiently amplifled, they will be heard in true relation without suppressing the higher frequencies.

It should be noted that "Blue Spot" units have a condenser of small value connected across the windings built into the unit, so that any addition to this capacity should not be large.

Baffle-boards and Cabinets.

sensitive speaker is obtained, a given volume is obtainable with a smaller output, and thus the quality is improved simply through the normal volume being further from distortion point than previously. This condition gives more "reserve," and so reduces the tendency to "blast" on heavy notes.

Having procured a sensitive unit, a cone must be constructed, unless it is purchased ready-made. In either case a VERY often an improved speaker is baffle-board or cabinet of some kind more necessary than an improve must be constructed, because if this is

up simultaneously by both the front and back of the cone would alternately neutralise and reinforce each other and seriously affect the volume. Thus Thus in order to obtain sufficient volume to produce the low notes, we must provide either a plain baffle, box-baffle, or cabinet for the unit and cone. A plain baffle for a unit such as 66R is a piece of strong 3-ply or heavier material 40in, square, with a hole in the cent se 13in, in diameter.

To strengthen this, a couple of stiffeners about 3 x 1 should be attached to the back with small brads driven in from the front, glue being also used. Feet shaped somewhat as in the diagram are cut from 1in. rimu. Heavier material than 3-ply may be used with advantage-in, board glued together without air gaps. Instead of the plain circular hole, the "grille" as shown on the cabinet may be used with advan-

A flat baffle 40in. square, although the most effective, will not suit everybody's ideas of bulk, and where it is found more convenient to house the speaker under a table, where it will be out of the way, the baffle may be of 3-ply, 2 feet square, with sides of 1in. rimu, 8 inches deep. This is known as a "box-baffle," but the breadth of the sides should not be made larger than the dimensions given-it is better to increase the area of the front board. A diagram shows how to measure the effective size of a baffle. Increasing the distance from X to Y improves the low note reproduction. Shellac or stain will give a suitable finish. Either may be carefully applied with a piece of cotton rag, going over the surface several times until the desired

Speaker 2 Speaker 1

Another version of the output filter,

depth of colour is attained. method gives more even results than using a brush.

The "grille" effect looks much better than a plain circular hole in the baffle, and to many constructors will prove a simpler task. The end of each aperture is first cut with a bit of suitable size, or slightly smaller than the width of slot. Then the corners A and B are cut out with a sharp knife, to give room for the saw. A fine hack-saw with projecting end served well for the original, but a fine keyhole saw would suit. Coarse and then fine glass-paper round a small block of wood takes away any unevenness from all parts that are to be finished. No fewer than six fine brads along each side will secure the 3-ply to the frame.

The smallest cabinet that may be used with the 66R type measures 18 inches each way inside, and is 9 1-8 inside, back to front, as illustrated. The front may be shaped as desired, but a neat effect is secured by allowing it to project at least 1-8in, at the sides. The box may be of 4 or 1in. rimu, and front and back of 3-ply. The back is shown lying down, and must have about one-third its area cut away by piercing with holes of any shape, round or square, one being near

liance of reproduction will be lost, ment in the amplifier, and if a more not done, the air waves which are set the centre to allow the adjusting known to protrude at the back. Attach the back with screws, to be easily remov-Spacing for the grille is shown able. in a diagram. Mark the centre space first, then measure outwards each way. The small outside slots will be about 14in, wide.

Cone Construction.

THOSE who wish to construct the cone should procure from a printer a sheet of heavy "cover paper" not less than 17 in. the shortest dimension, and of soft texture. Take a narrow strip of cardboard not less than 9 inches long, and make two small holes 8\(\frac{1}{4}\)in. apart. With a pin through one hole, and pencil point through the other, describe a circle on the paper. From the centre draw the line A, then measure 12 inches across to another position of the edge, and draw line B, then draw line C in. from B, sloping off at centre as shown. After cutting out the segment, which is almost a quarter of the circle, glue the 1in. strip, and bring edge A flush with B, and pin to a strip of wood to set. Cut out a circle of the paper $1\frac{1}{2}$ in. diameter, cut out a segment nearly a right-angle, similar to the large cone, and stick on back centre of cone to strengthen it. Next, take a piece of wood about zin. x zin. and saw a narrow cut in deep in one end. Go all round the edge of cone with this, bending the paper over to form a bend, leaving a flat rim in. wide. Now prepare a strip or strips totalling about 42 inches and 1 1-8 inches wide, of material for the "surround."

Many kinds of material have been used for this. Rubber is good, but must be very thin, and has the disadvantage of perishing in time. Thin felt may be used, and so may serge, etc., but any woven material must be cut "on the bias." The strip is glued all round to the back of the lin. flange, and no holes must appear at joins in the strip. Now a ring of thick cardboard is cut, the hole in centre of a diameter half-an-inch all round larger than the edge of the paper cone. Glue the surround to this, avoiding puckers, but not drawing very tight. The eardboard ring may be lightly tacked, using plenty of tacks, but not letting them show at front of 3-ply. Glue may be used instead of tacks and has the advantage of preventing any chance of "buzzing" caused by crevices between the cardboard and 3-ply. The unit is attached to a wooden cross-piece and fixed in correct position.

RADIO LITERATURE

Largest stocks south of the Line for Amateurs and Broadcasters— "RADIO MANUAL" (Revised edition) Just published.
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RADIO DIRECTORY

What to Buy and Where

CITIES

AERIAL MASTS Domestic Radio Co., Ltd., 300 Queen Street, Auckland.

ALTONA & HAMMARLUND- Johns, Ltd. Chancery Street, Auckland. ROBERTS SETS.

BURGESS RADIO BATTERIES, All Radio Dealers.

CROSLEY RADIO RECEIVERS Harringtons (N.Z.), Ltd.,

40-42 Willis Street, Wellington,

CROSLEY RADIO (1853.... Abel, Smeeton, Ltd., 27-29 Customs St. E., Auckland.

EMMCO RADIO PRODUCTS Johns, Ltd.,

Chancery St., Auckland.

EMMCO RADIO PRODUCTS Thos. Ballinger & Co., Ltd., Victoria St., Wellington,

EMMCO RADIO PRODUCTS L. B. Scott, Ltd.,

Worcester St., Christchurch.

KING RADIO RECEIVERS ... F. J. W. Fear & Co.,

63 Willis Street, Wellington.

LISSEN RADIO PARTS AND All Radio Dealers.

MAJESTIC RADIO RECEIVERS Kirkcaldie & Stains,

Chief Wellington Agents, Lambton Quay.

MULLARD VALVES

All Radio Dealers.

1930 PARTS AND Abel, Smeeton, Ltd.,

KITS, ETC. 27-20 Customs Street East. Auckland.

PILOT 1930 PARTS-PILOT Harrington's, N.Z., Ltd., SUPER WASP KITS, GILFIL. 138-140 Queen St., Auckland. 40-42 Willis St., Wellington. LAN, KELLOGG and AT-WATER KENT SETS

Expert Radiola Service.

RADIOLA RECEIVERS and Farmers' Trading Co., Ltd., Hobson Street. Auckland.

COUNTRY TOWNS

CROSLEY SETS Abel, Smeeton, Ltd. Bank St., Whangarel, G. A. Temple, Mgr.

CROSLEY SETS Abel, Smeeton, Ltd. Rep.: 0. Ruscoe.

MAJESTIC, ATWATER-KENI Radio House, Hamilton. AND RADIOLA ELECTRIC G. S. Anchor Manager.

PHILIPS VALVES AND

APPARATUS All Good Radio Dealers.

Cleaning Connections.

WITH a three-valve receiver of conventional type, it is possible for there to be as many as thirty separate plug-and-socket connections. When it is remembered that in radio reception we are dealing with minute currents, particularly on the radio-frequency side, it is easily realised that poor contact in even two or three of these sockets is quite sufficient to materially affect the sensitivity of the set. Both plugs and sockets are easily cleaned with smooth emery-paper, and in some cases the improvement made will be surprising. In the case of plugs of split-pin variety, a screwdriver should be forced down the slot so that the two halves of the plug are sprung outwards.

A Simple Stain.

FEW crystals of potassium permanganate dissolved in a cupful of water provide a cheap and simple stain for all kinds of woodwork, and particularly for the purpose of colouring the baseboards and woodwork of pieces of experimental apparatus. Permanganate solutions quickly destroy the should be applied to the woodwork by for this is that as they are in many

Tips and Jottings

of sulphate of soda moistened with a measure the B battery consumption of little warm water. Photographers' the set. If it is anything up to 12 act in the same manner.

Tracking Down Howls.

SOMETIMES a receiver may suffer from a certain amount of audiofrequency instability which manifests itself in a tendency to produce howl-When searching out the cause of this trouble the set owner should bear in mind that this particular form of annoyance may sometimes be traced to mechanical vibrations passed from the speaker itself to the receiver. Especial caused in a receiving set by dust less risk of microphonic noises with ly is this the case, of course, when the collecting on the vanes of the variable the grid-leak detector. speaker is mounted on top of the re-

Choosing a B Battery.

THE B battery is generally regarded as one of the chief sources of bristles of brushes, and, therefore, they troubles. In general, the sole reason

HONOURED RADIO **ENTHUSIAST**

OUR short-wave correspondent, Mr. F. W. Sellens, was recently made the recipient of a silver cup presented by short-wave station P.C.J., as a mark of appreciation of the reports which he has been regularly sending in respect of local reception from that station. It is a great honour for a New Zealand amateur to be thus singled out from listeners all over the world, and we congratulate Mr. Sellens on his splendid achievement.

The presentation took place at the monthly meeting of the Wellington branch of the New Zealand Amateur Radio Transmitters' Association, held last Thursday evening. Mr. Fitt, who made the presentation, commented on the great service which Mr. Seliens is carrying out in the interests of radio, and added that frequently station PCJ (Holland) made mention of the excellent work which Mr. Sellens is doing.

in order for it to reach any desired thus rapidly run down. seed oil. When working with perman- upon it. If a milliammeter is connectganate stains, the fingers invariably acquire a deep brown and sometimes an almost black discolouration. This, however, may readily be removed by rub-

means of a piece of flannel. If re- cases incapable of supplying the curquired, two or three applications of the rent required of them, and consequentstain may be given to the woodwork ly they are always overworked and The correct depth of colour. Permanganate-stained way to choose a B battery is to ascerwoodwork is capable of taking a good tain how many milliamps your set is polish if, after it has been given ample taking in B current, and to choose a time to dry thoroughly, it is rubbed battery which is able economically to over with a rag moistened with raw lin- stand up to the current drain imposed

Short-Wave News

(Concluded from p. 40.)

FOR SALE OR EXCHANGE 4 p.m. The last hour was devoted to

4 p.m. The last hour was devoted to dance music from the Hotel St. Regis.

W2XAD was R6 when first heard at 1.30 p.m. A long talk in a foreign language was on till after 2 p.m. Volume reached R8 by 2 p.m. and remained at that all through the transmission.

W3XAL at 3.30 p.m. was R3, increasing to R9, with dance music. Reception The rate for small advertisements under this heading is 1/6 cash for 20 words, and twopence for every other word thereafter. STALLOY-TRANSFORMER.—Strips 36 x 1 inches, 2/- doz. Other widths proportional. Also supplied cut, punch-ed. Special quantity quotations. Johns, Ltd., Chancery Street, Auckland. to R9, with dance music. was very good.

On about 30.2 metres duplex was heard at R9 at 4.20 p.m., but a strong morse station spoilt reception. Another station on about 25.5 metres at R9 was heard at about the same time; it also had morse interference.

dyne Super Electrics give wonderful performance and value. Agents wanted. Catalogue Royds-Howard Co., 558 KZRM were R4 at 7.50 p.m. with records. From 9.30 p.m. their musical programme was received at R7-8, being gushy. RA97: Some fine orchestral items were spoilt by static. Strength R9.

bing the hands over with a few crystals ed in the set's B lead you can actually "hypo," acidified with vinegar, will also milliamps, the ordinary standard B battery is adequate. If, however, it is more than 12 milliamps when the proper grid bias, etc., has been applied, a double-capacity battery is required, and, of course, if the B consumption is more than 20 milliamps a double-capacity type will be inadequate, and one of the triple-capacity variefy will be ne-

Cleaning Condensers.

condensers; the dust particles provide minute leakage paths between fixed and moving vanes. The usual method of cleaning by inserting a feather between the vanes is not very satisfactory, especially if the condensers are built up into a set and are in inaccessible positions. A much simpler and more efficient way of cleaning out the dust is to blow it away with a strong blast of air. A pair of ordinary bellows may be used for this purpose, and indeed for cleaning any part of a The bellows should be "worked" a few times before applying the nozzle to the set, to ensure that any dust inside them is blown out.

NOT only is the grid-leak method of detection much more sensitive INWANTED noises are frequently than an anode bend, but there is much

HIS MELODY



Tom: What do you chaps think of the Wellington Melody Four?

Ned: Not much.

Jack: Ned's opinion is punk. He learnt music from that old German

music master. Bald as a coot.

Dick: Shut off that Grand Trunk boost, and listen to the Australian Melody Four.

(Sets the record going.) Jack: Needle scratchees a bit, but the tenor's good.

Tom: The Wellington Melody Four is on in two minutes-have a

cigarette, boys?

Dick: They're good, but the tenor's weak.
Tom: Too right, they're good. I'd always listen to them.

Ned: What's the Set, Jack?

Jack: Courtenay Local Receiver. Ned: Not much interruption, no hum.

Jack: Crystal detection, Ned. Every note just as sung.

Ned: How much?

Jack: Ten guiness for the Set, and 32/6 for the Speaker. They could get more for this Set, too.

Tom: Too right, it's a good Set.

Dick: Remember trying to get Aussie on that 6-valve we used to have? All static and China Wars.

Tom: Good thing we dumped it. Sitting up late for nothing. in your pocket all the time for batteries.

Néd: You couldn't tune it.

Jack: There was no tune in it.

Ned: When does the Melody Four come on again? Tom: Item after this, Ned-don't go until you hear it.

Ned: Yes, I'd like to hear it, and where do you get these Courtenay Sets? Seems to me local broadcast is good. What do they cost

Jack: About tuppence a month, Ned. You should be able to get a Courtenay from any radio dealer, but we got ours from the

STEWART HARDWARE

COURTENAY PLACE - - - WELLINGTON.

VOLT: Number 6 Cells, guaranteed, 1/11 each posted; 45 Volt from Speakers 32/6. Royds-Howard Co., Colombo Street, Christchurch.

SCREEN Grid and Standard Metro-

Colombo Street, Christchurch.

and the control of th

Short-Wave News

French Stations Working Duplex Telephony.

MR. I. MELTZER (Auckland) and "Schnell" (Wanganui) were inquiring about identity and call signs of two French short-wave stations heard on Thursday, March 13. There is a station with the call FSI, St. Assie, France, which works on 11,985 kilocycles (25.08 waters.) metres). This is probably one of the stations referred. I heard a station at 9.15 p.m. on that date on about 25 metres, calling "Allo, Ici Paree," and counting quite a lot.

After a while "I am getting you all right now," etc., was heard. The other station was on about 24.5 metres. Both were good volume and very clear. had a visitor that evening who speaks French. It appears that these stations were testing, as it was mostly counting and reporting on each other's signals. Call signs or localities were not mentioned while we were listening. Another language as well as French was heard from the 24.5 metre station.

Special N.Z. Programme from WTAM.

A DVICE has been received that the American Prisoner Reports Reception of WTAM station at Cleveland, Ohio, WTAM station at Cleveland, Ohio, U.S.A., will broadcast a special programme for reception in New Zealand from 8 p.m. till 9.30 p.m. on April 11.

The wavelength is given as 66 metres. The latest radio call book gives WTAM as a broadcast station on 1070 kilocycles (2002) metros), no mortical being reads of

(280.2 metres), no mention being made of a short-wave station under that call.

G5SW to Broadcast Oxford v. Cambridge Boat Race.

SPECIAL transmissions from G5SW were announced during the week as

Saturday, April 12, from 12.20 G.M.T. (11.50 p.m. same day, N.Z. time): The Oxford and Cambridge boat race.
Saturday, April 26: "The Cup final."

Further particulars of this event are to be given later.
G5SW will not be transmitting on Good Friday or Easter Monday. They will resume at 12,30 G.M.T. on Tuesday,

Explorer in New Guinea with Short-wave Receiver.

IN the heart of New Guinea, three hundred miles from the neaerst white man, an explorer is forcing his way through the bush. He is taking with him a special which the second sec cial short-wave receiver with which he tunes in the principal short-wavers. night time natives creep within hearing distance to listen with wonderment to the "magic" music.

REGARDLESS

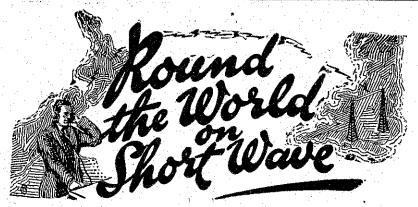
of the make of Set you have we can fit

Our Famous Short Wave Addaphone

Works excellently on all types of Sets. . All-Electric or Battery. Built by and obtainable only from-

MACK'S Radio Service

76 Kent Terrace, WELLINGTON. Telephone 20-798.



FL (Paris) to Try Again.

DISAPPOINTMENT has been expressed in France over the comparative failure of the preliminary short-wave tests from the Eiffel Tower in prepara-tion for the proposed colonial service. Different types of aerials have been employed, and more encouraging results are now being obtained with a short aerial placed at the summit of the tower. A more powerful transmitter is to be installed.

A PRISONER in the Missouri State Penitentiary, giving his identity as No. 32,500, has reported to the station director of PCJ that he regularly listens

Stations Heard

RA97, Siberia, 70 metres, every evening. W9XF, Chicago, 49,83 metres, Friday. W3XAL, New Jersey, 49.18 metres. Sunday, Friday and Saturday. 3ZC, Christchurch, 46 metres (about), Friday, W2XAF, Schenectady, 31.4 metres, Sunday, Tuesday, Saturday. PCJ, Holland, 31.4 metres, Wednesday, Friday, and Saturday. Zeesen, Germany, 31.38 metres, every morning. VK2ME, Sydney, 28.5 metres, twice daily. GBX, England, 27.5 metres, twice daily. KZRM, Manila, 26 metres, each day except Mon-England, 27.5 metres, twice daily, KZEM, Manila, 26 metres, each day except Monday, G5SW, Chelmsford, 25.53 metres, Tuesday, Wednesday, Thursday, Friday, and Saturday, KDKA, Pittsburgh, 25.4 metres, Sunday, W6XN, Oakland, 23.35 metres, Tuesday and Friday, W2XAD, Schenectady, 19.5 metres, Sunday and Saturday, PCK, Holland, 16.3 metres, Tuesday and Friday, PLE, Java, 15.74 metres, Tuesday, and Friday, PLE, Java, 15.74 metres, Tuesday, and Friday, PLE, Sava, 15.74 metres, Tuesday, And PLE, Sava, 15.74 metres, Tu metres, Tuesday and Friday.

to their programmes with a four-valve receiver, which he designed and built

Unidentified Stations.

51.4 metres (about), Sunday. 47.4 metres (about), Monday. 46.4 metres (about), Thursday. 41.6 metres (about), Thursday and Friday. 31.5 metres (about), Tuesday, Friday, and Saturday. 31.4 metres (about), Tuesday. Sunday. 30.2 day. 31 metres (about), Sunday. 30.2 metres (about), Friday and Saturday. 25.5 metres (about), Saturday. 25.5 metres (about), Wednesday. 24.5 metres (about), Wednesday. 24.5 metres (about), Wednesday and Thursday. 23.5 metres (about), Wednesday. 24.5 metres (about) on the follow of a summission, only one foreign lamguage (Spanish, I believe) was h day. 31 metres (about), Sunday. 30.2

light gush. Strength increased to R6 and remained at that. W2XAF were only R1 at 1.45 p.m., but during the last hour were excellent at R9.

KDKA at 4 p.m. were R8 with a special "welcome home" programme for Admiral Byrd and his party.

On about 31 metres, singing was heard at R7, modulation was very poor. This station went off the air at 4.10 p.m. without any announcement. W3XAL with dance music from New York city till 5.30 out any announcement. W3XAL with dance music from New York city till 5.30 p.m. were excellent at R8. In closing they announced that they were transmitting every day except Sunday from 11 p.m. Eastern standard time (3.30 p.m. N.Z. time).

On 51.4 metres (about), at 5.30 p.m., an American voice was just audible. KZRM from 9.30 p.m. transmitted a programme by the Philippine Constabulary Band. RA97 at 9.30 was R8 with bad

Monday, March 31.

STATIC was very bad, both morning and evening, on most stations heard. Zeesen, R8-9, musical items, and 47.4 metres with talk at R3 about 6.20 a.m., were spoilt by static. 2ME, R9, and GBX, R4, were on duplex at 8 p.m. RA97, orchestral music, and talks. Static, although bad, was not quite as severe as usual.

Tuesday, April 1.

Wednesday, April 2.

R8, while from 9.30 p.m. signal strength was R8, with slight static. On about 25 metres at 7.45 p.m., what appeared to be frequency tests were being carried out. First they went up and down the scale something like a fire siren. Later various frequency notes were put on for a few seconds each. No talk was heard, but on tuning in again at 10 p.m. a piano was just audible; speech was not read-

Thursday, April 3.

ZEESEN from 5.40 a.m. were R8-9 with orchestral items. The 31.5-metre German was R5 with talk at 5.45 a.m. Voices were just audible at 6 a.m.

a.m. Voices were just audible at 6 a.m. on about 41.6 metres, and on 46.4 metres. On 23.7 metres an American voice on duplex at R4. Modulation was poor. Strong carriers only were heard from 2ME and GBX during the early morning. 5SW, after Big Ben, a talk was given by Dr. Butler under the auspices of the Minister of Health. 100 per cent, readable at R8.

At 7.25 a.m. an orchestra was receivable at R4. KZRM were R5 at 8 p.m., with records, and R8 after 9.30 p.m. Static and morse interference was very bad. 2ME and GBX were R9 and R6 respectively at 8.30 p.m. RA97 was again spoilt by static.

Friday, April 4.

STATIONS 2ME and GBX were both excellent at R9. Both sides of the conversation was readable from the English station at 5.30 a.m. The 3L5-metre German at 5.30 a.m. was R5 with bad static. PCJ was impossible. Signals were weak with rapid fading. Static also

was bad.
On about 41.6 metres at 5.50 a.m. speech was just audible. Zeesen started at 6 a.m. with an announcement, followat 6 a.m. with an announcement, followed by choral singing, which was excellent at full speaker strength. There was just a sign of static. Excellent reception from Zeesen when PCJ is poor is unusual, as both stations as a rule are about the same volume. PCK and PLE were on duplex at 6.15 a.m. at R4 and R8 respectively.

tively.
58W. Big Ben at 6.30 a.m. was R9.
The talk that followed, although loud enough, was not clear enough to follow.
W6XN were R9 from 6.45 p.m. with
dance music from the Hotel St. Francis,
San Francisco.
Spoilt reception.

2ME and GBX were on

Tuesday, April 1.

Tuesday, April 2.

Tuesday, April 2.

Tuesday, April 5.

Tuesday, April 2.

Tuesday, April 5.

Tuesday, April 6.

The April on 6.45 p.m. with dance music from the Hotel St. Francis, Marcom the Hotel St. Francis, Marcom the Hotel St. Francis, San Francisco. A strong morse station spoilt reception. 2ME and GBX were on as usual.

On about 30.2 metres at 6.50 p.m., at ky in signal sever R8 with insignal sever R8 with less static.

April Marcom La Fill San Francisco.

As trong fo

STATION PCJ was excellent at R9 from 5.30 a.m. till 7.30 a.m. Zeesen were the same volume and quality. On 31,5 metres at 5.45 a.m. the usual German talk was heard at R7. 2ME and GBX were R9 and R8 at 5.50 a.m. on durler. on duplex.

on duplex.

The yacht Elettra at Genoa was calling "Hullo, New York," and counting at R4 about 6.20 a.m. Rapid fading spoilt readability. 5SW made a long announcement re Oxford and Cambridge boat race, etc., mentioned earlier in these rates Rig Rap. By Talk cope of a series. notes. Big Ben R8. Talk one of a series of "Careers for Boys and Girls." Subject, "Teaching."

PCJ was R3-4 at 1.30 p.m, increasing to R9 by 4.30 p.m., and remaining at that till closing at 5.30 p.m. W2XAF at 1.30 p.m. was R4, reaching R9 by

(Concluded on previous page.)

Radio Round the World

popular, there being no charge made for the use of wireless by Afghan subjects. Headphones of Russian or German make found a ready sale, but loudspeakers were not in general favour, as the Afghans thought they sounded like gramophones. The wireless station at Kabul suffered the fate of all other Western improvements during the recent revolution, but the new monarch, King Nadir Shah, has ordered the reconstruction of the radio service, and it is hoped that improvements will enable the Afghan station to receive programmes both from India English daily :-- "Recent experiments and Russia. When broadcasting began in Afghanistan (relates "Popular Wireless") the ubiquitous Greek trader arrived there with a cargo of headphones, which he sold to the gentle faithful at £4 apiece. The one good point about these 'phones was their silence. tnese phones was their silence. The faithful tried to sell them back, but, as was mentioned previously, the vendor was a Greek pedlar. In consequence, while the latter was racing back to Russia one dark night some hasty listener "switched him off."

SERIES of remarkable experiments in long-distance transmission of speech, and television has been in progress during the past few weeks between short-wave stations 2ME, Sydney, and 2XAF, New York. At one stage of the experiments the American engineers, working from Schenectady, New York, placed a diagram before a televisor at the transmitting station. This was "televised," and the output from the televisor fed into the short-wave transmitter at 2XAF. The resultant signals were picked up by 2ME. Sydney, and rebroadcast. The New York station was on the watch, and, after picking the signals up once more, passed them through the television receiver. Thus the diagram that was televised was reflected on a screen a fraction of a second after the initial signals had left 2XAF to be picked up by Sydney.

THE need has long been felt in England for a technical radio training college in which students would be able to acquire a thorough and specialised knowledge of modern practice in the radio manufacturing industry, quite distinct, of course, from a wireless school for commercial raoperators. Such a college, dio will be appreciated, would be of no shall use to the manufacturer, who would thus have available a permanent source from which he could obtain young but fully qualified radio engin-The majority of radio manufacturing concerns have declared themselves in favour of the proposition, and one firm has even donated £100 to help in putting the scheme on a sound footing.

JAPAN'S broadcasting system, which was inaugurated in 1926, has considerably developed during the past To-day it is run by four three years. separate organisations, which together control over ten transmitters. The principal stations are installed at Hiroschima, Osaka, Sapporo, Sendai and Tokio, with relays at Daiyen, Seoul (in Korea), Nagoya, and on the Island

FEW years ago wireless in of Formosa. Of these six are trans-Afghanistan became extremely mitters capable of developing an energy All studios of over ten kilowatts. except one are interconnected by pupinised cable with the capital and main transmitter, the exception being that of Hokkaido, which takes its pro-The system gramme by wireless link. is now providing a regular service to nearly 700,000 listeners, and the license tax ree has recently been reduced to 1 yen monthly.

> POPULAR WIRELESS" has unearthed the following piece of unconscious humour from a well-known with anti-motor-boating devices suggest that a 4 m.p.h. condenser is greatly preferable to the 2 m.f.d. usually employed. This is simply 'speeding.' Probably the next thing will be the suggestion that high-speed motor-boat condensers ought to be fitted with a vacuum brake to each microfarad, and even then should not be used on the broadcasting band. It is, however, better to stick to a safe 2 mfd. per hour and to use an outboard engine.

MILITARY instruction is now being broadcast by radio on the Continent. All-electric radio receivers which are tuned to a central station, have been installed at several barracks. A high military authority lectures before the microphone, and his remarks are simultaneously heard by thousands of young recruits. Examples and illustrations of tactics are also seen over the ether, and at the conclusion of the lecture mass drill is carried out at hundreds of barracks. Orders are sharply given over the microphone, and in obeyance troops march, turn, halt, and perform other evolutions on paradegrounds sometimes hundreds of miles

REQUESTS were recently broadcast from a Chicago station for listeners to indicate whether they select programmes by referring to the newspapers or whether they merely "dial Hear it! Compilation of the replies interest. resulted in the following statistics:-75 per cent, of the listening audience refer to programmes printed in news-papers, 20 per cent, use lists made up by themselves or from sources other than newspapers, 4 per cent. merely "turn the dials," and 1 per cent. listen regularly each week to programmes or stations that are their favourites and do not attempt to find either new stations or new programmes.

THE resourcefulness of the amateur radio transmitter is proverbial. "Geoff" Shrimpton (2XA), who acts as announcer at the Wellington motor-cycle speedway on Saturday evenings, used to find it a difficult problem to get the thousands of spectators to cease their chatter when he was about to issue an announcement through the dozen loudspeakers operated by an electric public address system. He has got ever the difficulty by inserting a morse key in circuit, with the loudspeakers, and by depressing the key a loud rancous note is emitted which warns the crowd that he is about to The effect is magical, for the speak. habel immediately ceases when the note is heard.

TENTH ANNIVERSARY RADIO

RADIO with a Reputation

Ten years ago the Midwest Radio Corporation, with an optimism entirely unjustified at the time, began in a small way manufacturing radio for the amateur and radio exclusively. For ten years MIRACO has led the industry,

building up a wonderful reputation-no catch advertising to trap the unwary, no tremendous production schedules to flood the market at cut prices, but a really sound business, built up step by step on a solid foundation.

Miraco Tenth Anniversary Radiio is the Crowning Achievement of Ten Successful Years.

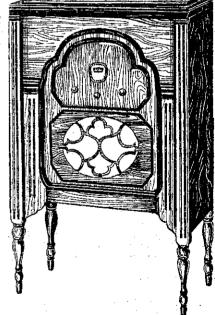
That is why it is BETTER

in every way

See it!

-and be convinced

AC7-Seven Valves, complete in walnut finish console £39/10/-AC9-Nine Valves, screen grid, dynamic speaker, in beautiful solid walnut console£50 PHONOGRAPH COM-BINATION AC9 - With electric phonograph and beautiful solid walnut console £75



Particulars from the New Zealand Factory Representatives:

N. R. CUNNINGHAM

P.O. BOX 147, MASTERTON.

HASTINGS-Roach's, Ltd., Hastings' Big Department Store.

Enquiries from Auckland Province to-The Auckland Provincial Distributors: HOWIES, LTD. (six Auckland shops) Radio Headquarters, 191 Queen Street.

YOUR LAST OPPORTUNITY TO



RULES and CONDITIONS

The Problem is: "Why I Would Like an Electric Washer in My Home."

- Give 7 reasons, sentences or points, using for each one not more than 12 words, in answer to the above problem.
- (2) Write neatly in ink; number the sentences; put name and address at bottom of entry.
- (3) The judge of the competition is the Managing Editor of both papers concerned, A. J. Heighway, and his decision shall be binding and final on all competitors.

(4) Award will be made on the human value and merit of the reasons given, and not merely on literary expression or verbal cleverness thereof.

(5) The competition is open to general readers of both papers; employees of newspapers, advertising agencies, and electrical houses are ineligible.

(6) The official entry coupon, as published in either the "New Zealand Dairy Exporter" of February 20 and March 20, and the "Radio Record" between the dates of February 20 and this issue, must be used in forwarding entry, together with the entrance fee of 1/- postal note.

(7) The competition definitely closes with the clearance of P.O. Box 1032, Wellington, at 9 p.m. on Saturday, April 12, and the award will be made as soon as possible thereafter.

(\$) The winner's full name and address, and the winning entry, will be published in both papers, together with the names and addresses of the winners of the 15 consolation prizes.

(9) The winner must select, within one month of the award being made, the prize from those washing machines which have been advertised in the columns of either paper during the currency of this competition.

(10) There is no limitation upon the number of entries by any one competitor, provided the official coupon and entrance fee are forwarded in each case.

DO IT ELECTRICALLY!

A Washing Machine for You.

SEND ENTRIES TO "WASHER" P.O. BOX 1032 WELLINGTON



IN order to stimulate interest in the comfort, convenience and laboursaving possibilities of electricity in the home, the "New Zealand Dairy Exporter" and "Radio Record" newspapers combined offer as a prize for his or her skill one Electric Washing Machine (to be selected as stated in the conditions), to that person who in the opinion of the judge, sets out in seven (7) sentences, each of not

more than 12 words in length, the seven (7) best points in answer to the question: "Why I Would Like an Electric Washer in my Home." To the five (5) next best entries, orders for One Pound (£1) each will be given, redeemable for a One Pound rebate in the purchase of any electrical apparatus anywhere in New Zealand, and ten (10) cash prizes of 10/- each.

The official entry coupon from either paper must be used in making entry. Employees of newspaper staffs, advertising agencies, and electrical houses are not eligible. The competition closes at 9 p.m. on April 12, 1930. Send entries on official coupon, with specified entry fee, to "Washer," P.O. Box 1032, Wellington.

A. J. HEIGHWAY,	91161461231
Managing Editor, "Radio Record."	
I enclose my entry for the Washing Machine Competit and I agree to accept your decision as final.	ion
Name	
Address	
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