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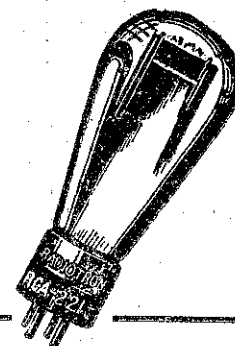
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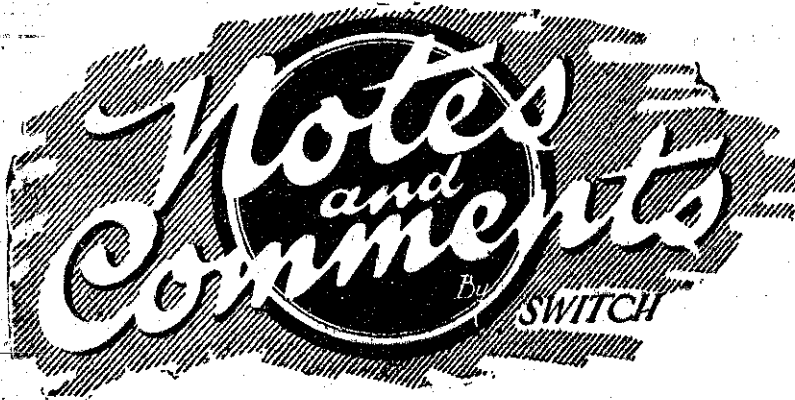
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THE Australian stations are now coming in with greatly improved volume as the winter nights are setting in. "Switch" receives 2BL, Sydney, at 6.30 p.m. with fair loudspeaker volume, the actual time in Sydney being only 5 p.m. Last winter it was possible to hear the tail-end of the Rugby football matches being described from the Sydney station. If conditions continue to improve with the advance of winter even better results will be obtainable this year.

A MEMBER of the Wellington Radio Society, speaking at the last meeting of that body, complained of very serious interference during broadcasting hours from some amateur transmitters in his vicinity. It is rather regrettable that any complaints of this nature should arise at this juncture after such excellent relations having subsisted for so long between broadcast listeners and amateur transmitters.

STARTLING claims are made in a Washington message regarding the properties of a new type of gramophone record composed of a substance called durium. The inventor is Dr. Hal T. Beans, professor of chemistry at Columbia University. The records consist of thin sheets of cardboard on which a coating of durium is laid by a dipping process. On these the impressions can be stamped at the rate of 200 records per minute. The inventor affirms that the records are practically everlasting.

IF you have tried to drill and tap "blind" holes in a panel which was only 3-16in. thick, you will know that it is a ticklish job. The bolt, too, cannot get much grip when it is put in. For neatness sake it is always preferable to put bolts in from the back of the panel in this way, rather than to drill clearance holes and insert the bolts from the front. You can make a tidy job by drilling the hole right through the panel and using a bolt not quite long enough to reach to the front surface. Then fill in the hole from the front with a little black wax, rub it to a good polish with a soft rag, and you will hardly notice the mark. You will have the satisfaction of knowing that the threads of the bolt have as firm a grip as possible.

"H.C." (Wellington) asks how he might connect a gramophone pick-up to it.

A.: Many manufacturers of pick-ups supply an attachment that is slipped on to the detector base of the valve. If you

have not one of these, take wires from the grid and filament negative terminals of the detector valve and carry them to an ordinary jack. When you insert the

Reception Table

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

2BL, Sydney	10
4QG, Brisbane	8
2FC, Sydney	7½
3LO, Melbourne	7½
2UE, Sydney	7
3DB, Melbourne	7
2GB, Sydney	6½
3UZ, Melbourne	6
3AR, Melbourne	4
5CL, Adelaide	3
2HD, Newcastle	2
2KY, Sydney	2

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

plug, broadcast signals will automatically be prevented from reaching the audio. By pulling out the plug the set is in the normal state.

2. I have a crystal and one-valve A.C. amplifier which does not provide grid bias. I am desirous of using a Mullard PM24, but notice that this must not be used without bias. Would the valve be ruined if I put it into the circuit, and is there any way I can obtain the bias.

A.: The valve would certainly be used if placed in the circuit without grid bias. To obtain this get a 20 ohm. potentiometer and a 0/2000 ohm resistance. Put the potentiometer across the filament supply and take the lead from the moving arm to one side of the variable resistance. The other side of the resistance is connected to B— and earth. Adjust the resistance until the signals are clear and strong. The potentiometer will have to be moved until the point is reached where there is very little hum.

WHEN the Sydney stations relay concerts from Melbourne they employ a land-line about 500 miles in length, but it delivers a continuous stream of automatic telegraphy which is clearly audible in Wellington. This loud parasitic noise must detract from the pleasure derived from these relays.

THE small warships which have been in port at Wellington for some weeks manage to get in on some

of the broadcast wave-lengths with annoying results when they indulge in Morse transmission. Merchant vessels are prohibited from transmitting while in port, and it is a pity that the same restriction does not apply to warships.

MR. FRANK D. CLEWLOW, the English actor who toured New Zealand some time ago with the Allan Wilkie Shakespearean Company, and is now attached to the Melbourne Repertory Theatre, will direct a Shakespearean entertainment from 3LO, Melbourne, on Thursday evening, April 23. There will be Shakespearean music and verse, and a short selection of sonnets will be spoken by Mr. Clewlow.

TOO much voltage in the household mains is generally the cause of a.c. valves not giving 1000 hours' efficient service. The New York "Radio News" publishes a hint to users of a.c. sets where excess voltage is suspected. It says: "One method, although somewhat crude, of determining whether the receiver is operated at excessive voltages is to note the brilliancy of the valve filaments. The oxide-coated filaments, such as used in a number of present-day power valves, should be only dull red, and in a majority of cases will be visible only in a darkened room. If the filament shows either a cherry-red or straw colour, then it may be taken for granted that a line voltage-regulating device is necessary." Local radiotricians will make up a variable voltage controller which would be worth while as an economiser of a.c. valves.

"N.T." (Northland) has forwarded a query as to whether his neutrodyne set can interfere with other listeners. He writes, "I understand that a neutrodyne cannot create a howling valve nuisance." As a matter of fact, if the neutralising condensers are not correctly adjusted a neutrodyne can be a flagrant offender. Changing a valve in the radio frequency stages necessitates, as a rule, a readjustment of the neutralising condensers.

MR. WRIGHT, when lecturing at the last meeting of the Amateur Radio Society of Wellington on short-wave reception, advised short-wave listeners not to use variable grid-leaks. He said it would be far better to have a set of grid-leaks of various values, and clips into which they could be slipped for use.

A FRIEND who used a rope halyard for his aerial is lamenting having done so, as it rotted and carried away, necessitating the lowering of one of his masts to pass another halyard through the block. An examination of the rope, by the writer, proved that it had not been "prepared" against rotting. If a listener prefers rope to a stranded galvanised iron wire as a halyard he should purchase rope which is specially "prepared." The latter is on the market.

A WELLINGTON listener who, through lack of space, intends to use a twin-wire aerial, has asked "Switch" to state how wide apart should the twin-wires be spread? Not under any circumstances should they be closer than 5 feet, and for good results they should be 8 or 9 feet.

IS IT SAFE?

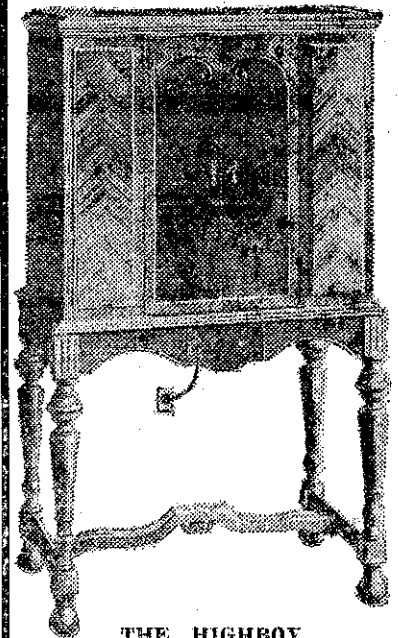
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Taking an Unfair Advantage

Canterbury Rugby Union Management Committee decide that all or no matches shall be Broadcast

THE old bone of contention, the broadcast of sports events, has been dug up again. This time it is the Canterbury Rugby Union who cannot see eye to eye with the Broadcasting Company, with respect to the broadcasting of the matches played under its auspices. Upon the company's application for the right to broadcast this season's matches, the Management Committee stated that they were ready to grant permission if no exceptions were made. The attitude of the union clearly indicates that they wish to lessen the risk of the gate takings being affected and to effectively block Rugby broadcasting.

IN introducing the subject at the meeting, the president (Mr. A. E. McPhail) stated that last season permission was granted, but the Union held the right to say when the matches were to be kept off the air. Then Dr. W. S. Seed suggested that: "It would be a good idea to grant permission provided the company would broadcast our matches every Saturday throughout the season."

The president: If we retain the right to say when the company should go on or off the air for our football matches, we could see that all matches were broadcast.

Dr. Seed: The company is going to broadcast our matches when that suits it. When the British team is playing the company will broadcast the British matches.

Mr. S. F. Wilson: That's the point. We should have the right to say that the company must broadcast our matches.

Dr. Seed: The company wants to fill up Saturdays when it is not broadcasting matches played by the British team.

Mr. Wilson: We should grant permission only on condition that the company broadcasts our matches every Saturday.

Mr. L. V. Jensen: There is no doubt whatever that when a Test match is being played in Dunedin or Wellington, the company will not want to broadcast a match here. People with valve sets could, of course, pick up the Test matches direct.

It was pointed out that insistence on the company's broadcasting all the union's matches would prevent the company from rebroadcasting matches played elsewhere.

Dr. Seed moved that the company be given permission to broadcast, provided that it broadcast all matches played under the union's jurisdiction, at Lancaster Park, throughout the season.

This motion was carried.

The Company's Point of View.

INTERVIEWED by a representative of the Christchurch "Press," Mr. A. R. Harris, general manager of the Radio Broadcasting Company, stated that the terms of the committee would, in effect, mean that the Broadcasting Company would not be able to take full advantage of the recent decision of the New Zealand Rugby Union to allow the broadcasting of the British Rugby team matches.

"It was the company's intention, on the occasion of the four test matches," said Mr. Harris, "to make application to the Post and Telegraph Department for a land line from Auckland to Dunedin for the purpose of linking up the four stations at Auckland, Wellington, Christchurch and Dunedin, so that the descriptions of the matches would be broadcast from all the stations simultaneously as it was felt that these matches were of Dominion-wide interest to all football enthusiasts."

"In regard to the provincial matches, it was intended that these should be restricted to the station serving that district. For instance, when a British match was being played at Christchurch, it was proposed that this be broadcast by 3YA, and when a match was being played at Timaru, the company had a duty to perform in respect to its listeners in South Canterbury interested in that particular event, and this match would also be broadcast by 3YA.

"It was also intended to carry out the same idea at the other stations in regard to their respective provincial matches, our only object in this proposal being to serve the district as widely as possible with the limited hours at our disposal, as it was impossible to broadcast more than one match at the one time from the same station.

Ranfurly Shield Games.

"**T**HEN there is the question of the Ranfurly Shield matches to be played this year at In-

vercargill. All followers of the Rugby game in Christchurch are sure to be interested in the description of any Ranfurly Shield matches played at Invercargill—in particular when Canterbury is the challenging team—and in offering to broadcast this match from the Christchurch station by means of a land line from Invercargill.

"Subject, of course to its availability, we would do so entirely in the interests of the local community and not for any mercenary motive on the part of the company, as it means considerable expense to do this.

"On Saturday afternoon, May 3 next, commencing at three o'clock, there is the Sarron-Donovan fight at Dunedin, and as permission has been granted by the Otago Boxing Association for this fight to be broadcast, endeavours are being made to link up all stations so that the bout will be simultaneously broadcast from all the company's stations. Owing to the Dominion-wide interest that will be shown in this fight, the company could not very well compromise itself in respect to local matches so that it could not broadcast the Sarron-Donovan fight on the Saturday afternoon or avail itself of events of such nation-wide interest.

A Matter of Preference.

"**I**T is not a question of picking and choosing as one member of the local Rugby Union stated, but entirely a matter of public preference, and the company would be failing in its duty to the community were it to compromise itself and jeopardise its sports service at this stage and without regard to other national events that may be offering on special occasions and of far greater public interest than some football matches of little interest.

"When the Canterbury team played the Wairarapa team at Masterton last year, we were severely criticised by the Wellington Rugby Union for broadcasting this game in preference to broadcasting a description of the local Wellington match. The Wellington Union used the same argument that the Canterbury Rugby Union now puts forth. However, the match at Masterton was of far greater interest to New Zealand Rugby followers—and in particular the Canterbury public—than any Wellington match. Had the Broadcasting Company not taken the wider view and broadcast the Wairarapa-Canterbury match from 2YA and rebroadcasting by 3YA, then a far greater number of Rugby followers would have had reason to complain than was the case when the company did not broadcast the local Wellington match.

Catering for All.

"**I**T is not the desire of the Broadcasting Company to lessen the public interest in any societies or associations organised (Concluded on page 2.)



BOOKS of the Month A Literary Review

Mr. E. E. Wiltshire has been engaged for monthly book talks at 3YA, the first being given on Monday, May 12. Mr. Wiltshire is not unknown to 3YA listeners. He is a gardening enthusiast and has given talks on bulbs, on which he is an authority. He is also well known as a bibliophile, being a great lover of books. He is vice-president of the Linwood Public Library which can boast of circulating more books than does the Auckland Public Library. It is a very live and flourishing concern which has grown tremendously since it was founded in 1909. There were then 40 subscribers, now there are 1700. The circulation last year totalled 105,000 books.

Rugby Broadcasts

(Continued from page 1.)

in the spirit of public service or in any way to prejudice their activities. We fully realise that these organisations exist for a definite purpose of promoting interest in various subjects, and in the greatest public utility radio broadcasting should co-operate with such organisations as far as it is practicable. At the same time it must, in its policy, endeavour to cater for all sections of the community without any question of favouritism towards a particular section or unfair discrimination between those sections entitled to use a national broadcast service.

"There appears to be a doubt in the minds of some of the Rugby Union officials as to the sincerity of the Broadcasting Company in its object, and we would suggest that this may be overcome by the formation of a committee consisting of representatives of the more prominent sports organisations and members of the Broadcasting Company.

"It could then make recommendations on the question of priority or preference arising out of competing claims for the company's service in respect of sporting matters and to make such suggestions to the company as they care to with the object of stimulating public interest in and utilising the broadcast service for furthering the interest of amateur sport generally.

"Committees of this character are already operating to further child welfare in connection with the children's sessions and also in regard to music and art in connection with the company's entertainment sessions, and religious matters in respect to its church services. Having for its members representatives of amateur sports organisations organised to consider sports events, the interests of sport in so far as broadcasting affects it would be, as far as is practicable, in its own hands."

Press Comment.

THAT the decision is not popular in Christchurch is evident from the comment in the local press. Each of the three daily papers has given the matter attention and none has expressed

sympathy with the union. The "Star" says:—Did the management committee of the Rugby Union mean what it said last night when it resolved that the Broadcasting Company should be given permission to broadcast from Lancaster Park on Saturdays and at other times, provided all Saturday matches were broadcast. "All Saturday matches" would be a tall order, but it is easy to believe that this was not in the mind of the committee.

But all Saturday matches at Lancaster Park, which may have been in the mind of the committee, would involve three running descriptions of three matches simultaneously played on three different grounds, broadcast on the same wavelength, which is unthinkable, or on three different wavelengths, which would be stupid.

Presumably the committee decided that only the matches played on the Oval should be put on the air, and this looks obvious enough and natural enough and harmless enough. But the managers of Rugby Union football are nothing if not shrewd. They know that if the local station is putting out a running report of the matches on the Oval it cannot also be broadcasting a match at Auckland. On the face of it, this looks like a perfectly effective move to prevent people from deserting Lancaster Park in order to listen-in to descriptions of the matches played elsewhere by the English team. That is what it looks like to the Rugby Union.

To other people it looks more like a priceless boost for the radio dealers, who would be working overtime providing sets capable of tuning out Christchurch and picking up Auckland, Wellington, and Dunedin. In the language of the street it looks like one in the eye for the owners of crystal sets.

The Electric Eye

ALMOST every month we read of some new task set to that wonderful little glass bulb the electric eye, which can turn a ray of light into an electric current.

The strength of the current is always in exact proportion to the strength of the light, and, as electric currents can be accurately measured, it has been found easy to measure very feeble beams of light with the help of the electric eye (known to scientists as a photo-electric cell).

A big paper mill has just found that the exact weight of the paper manufactured can be measured by light. A beam of light is thrown through the paper while it is running along the machine, and some of the light, of course, passes through the paper. The light passing through falls upon a photo cell, and its strength is recorded on a measuring instrument. If the paper is too thick too little light will reach the photo cell; if the paper is too thin too much light will pass through.

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GILFILLAN, 5-VALVE, G.N.I., in walnut cabinet, folding doors, complete	40 0 0	19 10 0	
LOFTIN - WHITE, 5-VALVE, less cabinet, complete	30 0 0	17 10 0	
AMRAD 5-VALVE(in mahogany cabinet, complete	30 0 0	19 0 0	
AMRAD ALL-ELECTRIC 5-VALVE, in mahogany cabinet. Complete	50 0 0	37 10 0	
TRAV-LER 5-VALVE PORTABLE, complete	27 10 0	19 0 0	
SELECTRA 6-VALVE SCREEN GRID, complete	47 10 0	34 10 0	
CROSLEY 6-VALVE, Model 6/60, in mahogany cabinet, complete	34 10 0	22 0 0	
CROSLEY 6-VALVE, Model RFL/90, in handsome Console; built-in speaker, complete	45 0 0	25 0 0	
AKRADYNE 6-VALVE, in mahogany cabinet, complete	35 0 0	20 0 0	
AMRAD 7-VALVE, in mahogany cabinet complete	40 0 0	25 0 0	
BRANSTON 7-VALVE, Super-hetrodyne, in cabinet, complete	45 0 0	22 10 0	
RAULAND-FORTE 7-VALVE, in walnut cabinet with door, complete; wet "A" and "B" batteries	70 0 0	35 0 0	
KOLSTER 7-VALVE, in mahogany cabinet, built-in speaker, complete	47 10 0	29 10 0	
FADA 8-VALVE, Model 480A, in walnut cabinet, complete	115 0 0	50 0 0	
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Atmospherics and Interference in Radio

IN the following article is described the nature and origin of "atmospherics," that bugbear of distant wireless reception. Though devices which undoubtedly reduce undesirable atmospheric effects have been invented, still it is highly probable that this particular type of interference will never be completely eliminated.

ONE of the greatest difficulties met with in modern wireless communication is that of interference. Almost every day a new wireless transmitting station is set up somewhere and begins to launch forth its waves in an already congested ether, and it has truly been said that the main difficulty of modern wireless reception is not to receive a signal but to keep out unwanted signals.

Interference in wireless is broadly divisible into three classes: atmospherics, unwanted signals—either morse or telephony—and our old friend "oscillation." At about this season of the year listeners to broadcast programmes begin to renew their acquaintance with the crashing, rattling, and hissing noises produced by atmospherics.

In the reception of wireless pictures and in television the atmospheric also makes its presence felt by the production of irregular streaks or smudges upon the field of the picture. While these atmospherics may spoil otherwise perfect reception from a nearby station, it is in long distance working that the effect of atmospheric interference is experienced at its worst. In many parts of the world the intensity and frequency of these atmospheric disturbances are so great that many commercial wireless operators are unable to wear head telephones, and automatic recording apparatus is rendered inoperative for several hours a day during certain portions of the year.

As may be gathered from the name which was given to this type of interference many years ago, the origin of these electrical disturbances is intimately connected with the atmosphere. Scientific research on the subject of recent years has shown that they arise from a discharge between separate accumulations of positive and negative electricity in the atmosphere, or between one such accumulated charge and the earth's surface. While it is not necessary that such a discharge should be either audible or visible it is commonly known to our senses in the form of thunder and lightning.

Tests at 1,000,000 Volts.

SOME idea of the order of interference to be experienced from a lightning flash has been obtained recently in laboratory experiments with a high-voltage electrical discharge apparatus. Using a plant capable of generating appreciable power at pressures up to 1,000,000 volts, spark discharges were produced over a string of insulators about 6 feet long, the potential difference between the terminals prior to breakdown being about 850,000 volts. At the frequency of 50 cycles per second employed, the current through a maintained arc discharge was about 0.5 ampere.

Effects on Receivers.

OBSERVATIONS carried out on various wireless receivers operating on different wavelengths between 7.5

and 1600 metres showed that, while the interference effect of the spark discharge was very serious at short distances it decreased, very rapidly as the distance was increased. Thus, within 50 yards of the spark the strength of the interference was approximately equal to the strength of signals from a powerful broadcasting station some 10 miles away. As the receiver was moved away from the spark, however, the interference decreased rapidly un-

are normally experienced to account for all the atmospherics received. It must be pointed out, however, that natural lightning is an electrical discharge on an enormously greater scale than the relatively puny discharges which we can produce artificially.

10,000 Amperes!

FOR instance, the average length of a lightning flash is of the order of 10,000 feet as against the 6-foot



NEW ZEALAND

listeners to the Australian stations are well acquainted with the voice of Miss Gladys Edwardes, the distinguished soprano who

has been broadcasting from 2FC, 2BL, and 2GB, for several years past. The good news is now to hand that Miss Edwardes is settling permanently in Wellington and arrived here by the Maunganui on April 8. Miss Edwardes has had a distinguished musical career. She studied at the Melba Conservatorium, Melbourne, and among the many musical honours she has gained is that of New Zealand gold medallist. Actually Miss Edwardes is one of the pioneer broadcasting artistes, having been heard regularly from 2GB (Sydney) for the past seven years.

til at distances greater than half a mile it was quite inaudible on the most sensitive receiver. In the case of all the experiments no audible effect was detectable before the occurrence of the spark discharge, and this result would tend to support the view that all atmospherics in wireless communication are due to actual lightning flashes.

On first consideration it might be thought that the effect of a lightning flash would only make itself felt over a small area, and that ordinary observation shows that insufficient flashes

spark employed in the above experiments; also, the current in the lightning flash has been estimated at about 10,000 amperes as against the half ampere mentioned above. From such figures it can be shown that the radiation from a single lightning flash is from 2000 to 10,000 times as strong as that from a high-power broadcasting station. It is thus small wonder that the effects of such a flash are detectable as an atmospheric on all sensitive receivers within a radius of several thousand miles.

1800 Thunderstorms Always in Progress.

THE complete analysis of this world study of thunderstorms actually observed shows that on an average there are in progress, at any one moment, about 1800 thunderstorms in different parts of the world. Actually, of course, at any one place, the storms are of more frequent occurrence in the summer than in the winter months. In association with these storms it is estimated that lightning flashes occur at an average rate of 100 per second. When regarded on this basis one begins to understand the possibility of all the numerous atmospherics heard on a wireless receiver being attributable to lightning flashes as their origin.

With the aid of direction-finding and recording apparatus, investigations have been carried out in many countries with a view to locating the source of origin of atmospherics at various hours of the day and night. The general result of these investigations (which are still in progress) is to indicate that the majority of atmospherics originate in land areas and particularly in tropical mountainous districts such as South Africa and South America, where it is possible that the convection of large masses of air with subsequent cooling at the upper levels causes the separation of electrical charges which is a necessary predecessor of the lightning flash. All observers appear to agree that large stretches of sea, such as the Atlantic and Pacific Oceans, are seldom the source of atmospherics.

Atmospheric Elimination Impossible.

IN addition to research into the origin of atmospherics, many workers have tackled the problem of devising aerial systems and circuit arrangements which will render the receiver immune from the effect of atmospherics. Although some of these are very successful in reducing the undesired effects without disturbing the required signals, there is as yet no known means of entirely eliminating the atmospheric disturbance from wireless receivers; in fact, at the present time, many experts are of the opinion that atmospherics, like the poor, will always be with us.

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

WELLINGTON, THURSDAY, APRIL 24, 1930.

BENEVOLENCE OR DISGUISE?

AN interesting if not humorous history surrounds the rather impossible terms of the Canterbury Rugby Union with respect to the broadcasting of its matches. When the Radio Broadcasting Company first applied to the local union for the privilege of broadcasting its matches it refused under the plea that such broadcasts would interfere with the gate. Subsequently, however, they agreed to allow the company to broadcast with a view to try out the idea. Next year they allowed the broadcast on the condition that this was done on fine days only; there was to be no broadcast from the park on wet days. This stipulation was duly put into effect, and on wet days there was no broadcast description of Rugby football. This year the union refuses to allow the company to broadcast unless there is no discrimination and all the matches are put on the air—wet days and all.

The case interpreted from the forgoing does not look too strong for the union. It appears that this body are apprehensive of the effect that broadcasting will have upon the gate takings and not wishing definitely to forbid the broadcasts have given the bullet to the company to fire at the listeners, for in the interests of the greatest number the company cannot undertake not to broadcast the very important sports events that they have scheduled for the coming season. It was an impossible position to place before a company whose duty it is to render service to many thousands of people, and if as it seems the union is afraid of the gate takings then why did they not say as much instead of throwing the onus on to the company? Surely that is not sportsmanship!

The argument concerning the gate takings had already been the subject of considerable debate. In reiteration we would like to point out that prominent sporting officials have stated that they were convinced that the net result of broadcasting the matches was to popularise the sport and not to impoverish the gate takings. Had the union come into the open and showed in cold figures that the broadcasting had affected the gate takings adversely we would have been in a position to sympathise with them. No sportsman listener would stand to see the union lose through an act of sportsmanship, rather we predict that the enthusiastic listeners would subscribe to the union through a donation. It seems that the whole position is hypothetical. Why do not the unions weigh gate takings when there is a broadcast against similar occasions when there is no broadcast and see definitely whether they stand to loose by the broadcast and how much? We suggest that the listening sporting fraternity be appealed to for help rather than be given Hobson's choice in the matter. Our experience gained from correspondence from all over New Zealand has been to the effect that the sports broadcasts are asked for by the country public and the townspeople who are interested and are able go. The other town listeners, with the exception of those incapacitated, prefer music.

Under the circumstances the country listener is getting the worst of the bargain as he usually does in such cases, and it is to be hoped that the union will reconsider the now unsatisfactory position.

How 2YA Reaches Out

Appreciative Letters from America

A HEAVY American mail, the first since the two-way conversation between Rear-Admiral Byrd at Dunedin and his friends in New York, has recently come to hand.

The correspondence comes from all parts of the vast Continent. There are numerous letters from Alaska, while New York, Maine, Massachusetts, and Virginia are also well represented. Many listeners seem to have preferred listening in direct to 2ME or to 2YA rather than to the local rebroadcast.

A listener at Nampa, Idaho, heard 2YA direct. Others in New York and Illinois tuned in to 2ME. Postmarks show letters from Des Moines (Iowa), Greene (New York), Orange Co. (New York), Brooklyn (New York), Philadelphia, Boston (Massachusetts), Oregon, Ohio, Illinois, Washington, Tucson City (Arizona), Connecticut, New York City, and several places in Alaska. The Pacific Coast of both Canada and U.S.A. also heard. A letter comes from Manitoba, but it was an ordinary programme, not the Byrd broadcast that was heard.

Numerous letters report having listened in during the broadcast of the Eltham Band contest. One heard Sir William Carnecross speaking. Another concluded his letter with: "Then the band played what we call 'America,' but I think you call 'God Save the Queen.'" The Arizona correspondent said 2YA came in with the volume and clearness of high-powered stations not more than 500 to 1000 miles distant.

It is reported that at Valdez, in Alaska, they get 2YA every night as loudly as stations in the States. The writer adds: "We enjoy the programmes fine, and appreciate your efforts to entertain the world very much."

The Alaska Glacier Tours Association, operating by airplane, launch, and pack train, whose letter also announces a Big Game Hunting Department for moose, sheep, caribou, grizzly and brown bear, writes:—

"Just have to write to you a few lines to compliment you on your very good programmes. We have been getting them regular up here at Lakeview, Alaska. And believe me we think they are great. We do not receive your programmes until about 11 p.m., but it is worth while to stay up and wait for them."

A correspondent at Cordova (Alaska) forwards two interesting postcards. One is a picture of a man collecting "ice worms." The worms are plainly seen crawling over the chunks of ice while he is picking them up and putting them in a tin. There is no explanation as to what the worms are being collected for. Judging by the frozen nature of everything there is little opportunity for fishing! The other postcard gives a midnight view of the main street of Cordova. Save that the street lamps are lighted (unnecessarily) there is little to suggest that the hour is late. There are motor-cars in the street. Cordova has its "night life" in summer time, when the days are 24 hours long!

Here is a remark from an Idaho correspondent's letter: "Just before the power was turned off a few notes of our dear old National Hymn 'America' was played, and thanks a lot for that, old dears. That is the spirit, and I would do as much for you if it was in my power." Reporting on the reception of 2YA, an Illinois correspondent says: "The clock on a school near here was striking five at the same time yours was striking eleven, and they were exactly alike in volume and rhythm. You followed immediately with an announcement of the Byrd short-wave broadcast, which was picked up here by over 40 stations. It came through very well. The direct conversation between Schenectady and Dunedin was a thriller. I have received you with everything from the old five-tube battery set to my present Victor. You are always welcome in my home."

The Greatest Value in Radio.

STEINITE All-Electric

3 Screen-grid Valves, Power Detector, 245 Push-pull Audio, in beautiful butt walnut console cabinet with Electro-dynamic Speaker.

Prices £42/10/-, and £47. Model 40, £52/5/-.

Radio-Gramophone combination, £87/10/-.

EASY TERMS.

FREE DEMONSTRATIONS.

G. G. MACQUARRIE LTD.,

120 WILLIS STREET.

Music and Dramatic Committee

THE first meeting of the present financial year of the IYA Musical and Dramatic Committee was held at the station office on Friday evening last, the following gentlemen being present:—

Mr. Karl Atkinson (representing the Auckland Piano Students' Association); Mr. A. B. Chappel, M.A. (the Auckland Dickens' Fellowship Society); Mr. John Tait (the Society of Musicians); Mr. J. F. Montague (Auckland Comedy Players); Mr. L. E. Lambert (Bohemian Orchestra); Mr. F. McCallum (Little Theatre Society); Mr. T. T. Garland (Savage Club); Mr. F. M. Price (Aeolian Orchestra); Mr. E. Blair (W.E.A.); Mr. V. Trask (Athenian Club); the station director and the programme organiser. Mr. F. McCallum was elected chairman for the ensuing year.

It was reported by the station director that a series of lectures on art would shortly be commencing and that probably a series of lectures to the "man in the street" on astronomy would also be arranged. Considerable discussion on the proposed Music Week in August took place, and it was decided that the fullest co-operation with the promoters would be given.

THE conductor of the IYA Broadcasting Choir announced that the next performance of the choir would take place in May, and would consist in the main of part songs and that the third concert for 1930 would be devoted to a performance of the opera "Marama," by Mr. Archie Don, of this city.

An innovation in the way of short recitals had been arranged for May 2nd, the artists being Miss Joyce Seth Smith, Mr. Leo. Whittaker, and Mr. Noel Monkman. If this recital proves acceptable further similar programmes would be broadcast. It was decided to recommend to the company that a song writing competition be held, and a sub-committee, consisting of Messrs. Lambert, Atkinson and Tait, was appointed to go into the matter, subject to the Company's approval.

Further suggestions were another "Mystery Night," and talks by the Mayors of outside districts on the attractions of their respective districts. Other matters connected with the betterment of broadcasting generally were discussed, and many valuable suggestions were forthcoming.

An Artist of Note

MISS GRETTA DON, a visitor from Scotland, will be singing from 3YA on Thursday, May 15. She is a broadcasting artist of note, having performed at numerous stations in Britain. She has sung also in Paris, and last month, while en route to New Zealand, she sang for WLW, Cincinnati.

Miss Don is a singer chiefly of Scottish songs, and has made a speciality of Hebridean folk songs which have been collected and arranged largely by Mrs. Kennedy Fraser during recent years. They are songs of the people of the Isles, and have been handed down by word of mouth for generations until Mrs. Kennedy Fraser undertook the task of putting them on paper.

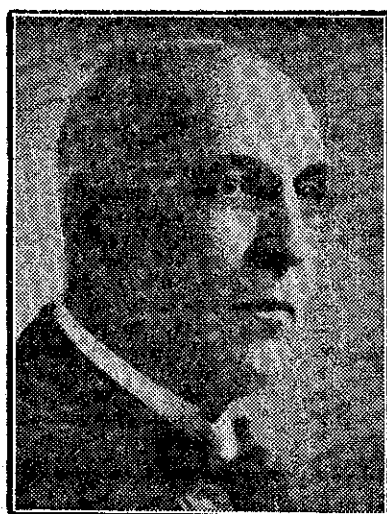
Miss E. Harry Again to Broadcast from 2YA

Next Appearance Monday, April 28

MISS EDITH HARRY, who has been giving much pleasure to New Zealand radio listeners during her present visit to this Dominion, will make her second appearance at 2YA on Monday, April 28.

Her items will comprise pianoforte solos (by Chopin and Palmgren) and songs of her own composition. Among the latter will be "Heartbreak," "Requiem," "Colette," "Roses for the King," "Pierrot's Cradle Song," and "The Beebeck." "Colette" is Miss Harry's latest song.

The words of "Roses for the King," which were written by Dr. C. H. Souter, tell the story of the boy who came from the Isle of Man to send roses to King George during his illness. When she learnt the destination of the purchase the flower girl in Piccadilly would have none of his money: "Here's a kiss for George of Man," she said, "and roses for the King!" "My husband," said Miss Harry, "sent a copy of the song to the King and received a delightful letter of thanks from Sir Edward Wallington."



MR. J. F. MONTAGUE
Founder and director of
Auckland Comedy Players.

Listen to 1YA on April 29
and hear

"NOTHING BUT THE TRUTH"

A Rollicking 3-Act
Comedy

Presented by
The Auckland
Comedy Players



THE comedy (by Montgomery) is built on broadly comic lines, and the situations are warranted to draw laughter from a misanthrope. Briefly, the story of the play deals with a wager made between the members of a stock-brokers' firm that it is possible for one of the firm, Bob Bennett, to tell the truth, and nothing but the truth for 24 hours on end. The fact that Bob is engaged to his senior partner's daughter adds enormously to his difficulties, for 'father' finds himself under much suspicion with his family, and Bob resolutely declines to help him out, as he must tell the truth whatever happens, or lose his bet! Much of the comedy arises from the attempts of the three other men, with whom he has wagered, to induce him to tell a lie. Eventually, when the 24 hours have elapsed, Bob heaves a sigh of relief and proceeds to lie once more with the utmost freedom in order to clear up a mass of difficulties which have been caused by his determination to tell the whole truth and win the wager. Several players new to 1YA will appear in this production, which should prove a striking success.

Unique S.O.S.

Romance or Joke?

AN optimist who visited New Zealand with the American fleet in 1925 has written 4YA asking that an announcement specially meant for the ears of one "Edna" should be broadcast. The American, who gives his

address at the Fleet Air Base, San Diego, writes:

"Will you kindly announce over your station for the young lady, her first name Edna, to get in touch with me? Write me here. I was in your wonderful city in 1925 with the U.S. Navy, and at that time I was on the U.S.S. John Francis Burns, No. 299. I have forgotten her address, and couldn't locate her through the Post Office. She may be in Wellington. Thanking you in advance."

The 2YA Mystery Solo

An Interesting Test

THE mystery mezzo-soprano solo, a recorded number, was broadcast from 2YA on the evening of the 7th instant, and for several days thereafter letters reached the studio from listeners who believed they had been able to identify the singer. As was announced prior to the broadcast of this number, the singer was a mezzo-soprano well known in Wellington.

Strangely enough, of all those who sent in "solutions," only one—Mr. J. T. Delaney, of 66 Raroa Road, Kelburn—correctly identified the vocaliste as Miss Millicent Knight. Quite a number thought the singer was Mrs. Wilfred Andrews, an equal number sent in the name of Miss Mavis Castle, several selected Mrs. Albert Russell, while the "pick" of the others included Mrs. B. B. Wood, Mrs. Wilman, Miss Ngaire Coster, Miss E. Tapley, Miss Molly Fenton, Miss Hilda Chudley, Miss Annie Sullivan and Miss Gwen Shepherd.

Attempts to identify the singer were made by listeners resident in Wellington and the adjoining districts, Masterton, Wanganui, Blenheim, Grey-mouth and Oromwell (Otago). Miss Millicent Knight, who is a daughter of Mr. Willoughby Knight, late of Lower Hutt, is now living in Liverpool, England, with her husband, Mr. Ernest Irving.

She was well known on the concert platform in Wellington and other centres in New Zealand, and has made several successful appearances during her residence in the Old Country. Messrs. Bannatyne and Hunter, distributors for Columbia records, to whom 2YA was indebted for the mystery record, sent a congratulatory token to Mr. Delaney.

The Nick of Time

THAT fireside wireless listeners are often able to "pick up" the S.O.S. call of a ship in distress we all know. A still stranger occurrence comes from Weybridge, England, when so providentially a message was heard over the air, and so nearly was not.

Mr. Cyril Baron's aerial had been blown down from a fir-tree in his garden. He might have left it down, but he decided to climb the tree and fix it. That night, therefore, he was able to resume his favourite pastime of listening to ships in the Channel. He tuned to 600 metres to catch them, and presently caught the S.O.S. call from a Russian ship, storm-tossed, crying for help, in rather odd English: "Please, everybody come and help." To his astonishment, he realised that the call was not being answered.

Being a man of action, he rushed to the telephone and got on to the North Foreland Station with the news, and shortly had the gratification of hearing that tugs were being sent to the rescue. The radio station had not heard because messages were being jammed. A quarter of an hour later Mr. Cyril Baron's wireless aerial was again blown down!

Auckland Notes

(By "Call Up.")

LATELY the IYA authorities have been engaging a large number of new artists, proving that there is still a good supply of talent in our midst which has not yet been brought to the microphone. During the last ten days of April half-a-dozen new soloists have been heard from IYA, and the station has a further batch booked for May. These include Mr. S. W. Marshall, humorist, Miss Adele Taylor, soprano, and Mr. Arthur Wright, bass baritone, all on May 10; Miss C. Pringle, soprano, May 14; and Miss Dorothy Milne, soprano, and Mr. William Farrow, tenor, on May 18.

THE first meeting of the new radio year was held by the IYA Musical and dramatic Advisory Committee during the week. Numerous suggestions were put forward, these including a song writing contest, popular talks on

Further IYA Play

Under the direction of Mr. J. M. Clark, who has many radio achievements to his credit, Stephen Phillips' "Paola and Francesca" will be produced at IYA on Friday, May 16. The play is a tragedy in four acts. There will be a strong cast of eight characters.

astronomy, and another "mystery" night. The constructive criticism of this committee is most helpful to the programme organisers, and has been responsible for a number of improvements in programmes. The IYA Choir was formed upon their suggestion.

A VERY interesting talk on "Listening on Shortwaves" was given by Mr. Mark Churton at the last meeting of the Auckland Radio Society. Mr. Churton has done as much shortwave listening as any other man in New Zealand, being recognised in Auckland as Mr. Sellens is in Wellington, and his remarks were listened to with great attention. He explained the best types of shortwave receivers, the advantages of the screen grid over the ordinary valve, the best times for getting different stations, the theory of skip distance, why near stations are sometimes weaker than those further away, and also the effect of daylight and

Three Half-hours with Great Composers

An Innovation at IYA that will Appeal to Music Lovers

A DISTINCTIVE attraction will be presented to music lovers from IYA on May 2. It will consist of three separate lecture-recitals, which have been arranged as the outcome of a suggestion from the IYA Musical and Dramatic Committee. Three excellent artists have been engaged—Mr. Leo Whittaker (pianist),

in England and New Zealand, and as this is his introductory appearance at IYA his many admirers will welcome a chance to hear his interesting recital. Mr. Whittaker is also choirmaster of St. Patrick's Cathedral, Auckland.

THE second recital is to be given by the mezzo-soprano, Miss Joyce



The Recently-elected Chairman
of the

Auckland Radio Dealers' Assn.,

MR. A. C. TUCKER

WELL known to all Auckland Radio circles as "Tuck," Mr. Cyril Tucker combines the qualities of a real live wire business man, an accomplished violinist and a "jolly good fellow"—contrasting virtues, certainly, but nevertheless true. As a violinist he has frequently broadcast from IYA, and his familiar figure (and voice) was far removed from the background when the "spadework" of the Auckland Radio Exhibition was being done.

Miss Joyce Seth Smith (soprano), and Mr. Noel Monkman ('cellist)—while the lecture portion of the programme preceding each recital will be in the hands of Mr. Archie Don.

Mr. Whittaker has had extensive experience both as a soloist and a teacher

dark on short waves. The next meeting will be held on May 5, when Mr. H. B. Arthur will talk to the society on "How to Become an Amateur Transmitter."

RECEPTION conditions locally are very good just at present, and have been so for the last week or two. This is a great improvement as far as reception of overseas stations is concerned. The Australian stations have been coming in particularly well, a marked contrast to summer conditions.

BY far the greater number of plays broadcast are comedies or light pieces, although dramatic plays are also often successful when put over the air. Station IYA has always been the leading New Zealand station so far as the broadcasting of plays goes, and on May 16 is attempting a new venture in this respect. This is to be "Paola and Francesca," by Stephen Phillips, which is to be produced by Mr. J. M. Clarke. The play is a real tragedy, and it is a bold venture to present such material. However, under such a capable and experienced a producer as Mr. Clarke it is sure to be well done, and is likely to be very successful.

Seth Smith. This lady has had training in London, particularly in the method originated by Mr. Yeatman Griffith, who has trained many of the leading singers of England and America. As in the case of Mr. Whittaker, this will be Miss Smith's first appearance at IYA. She has given many recitals, and the newspapers are unanimous in their opinion of her work. They say her voice is sympathetic, fine, and resonant, and that her interpretation is excellent.

THE third of the recitals will be given by the New Zealand 'cellist, Mr. Noel Monkman. Mr. Monkman is the 'cellist of the Civic Theatre Orchestra, and was for many years 'cellist in the Capitol Theatre in Sydney. He has had extensive experience in recital work, and listeners will be glad to hear him in the many fine works which he will be playing. He will be accompanied by his wife, who is a brilliant pianist.

In order to make these short recitals more interesting to the layman, Mr. Archie Don has been specially engaged to give explanatory notes during the course of the evening. His method of procedure will appeal specially to those whose knowledge of music is not extensive. With his help this innovation at IYA should prove to be a success. Mr. Don has had many years' experience as a conductor, and for some years was director in Hastings of the Choral Society, the Orchestral Society, and the Operatic Society. He has also many

An Appeal

TOWARDS the close of 1929, Mr. Winston Churchill made an appeal from the London broadcasting station on behalf of a proposed scheme to provide wireless sets for the 16,000 blind persons over sixteen years of age in Britain. The immediate result of the appeal was that more than £10,000 was subscribed by members of the listening public all over England. Encouraged by this fine response, Captain Ian Fraser, who is well-known at Home for his ceaseless activities on behalf of the blind, launched a special appeal to British radio manufacturers to contribute a further £10,000 in kind. He considered that this would be more appropriate than a cash donation, and suggested that the gift should take the form of 7,000 one-valve sets, complete in every detail, and built to a standard design. The Radio Manufacturers' Association immediately ordered the formation of a sub-committee to discuss the proposition in detail, and, with Captain Fraser's help, got a practical scheme into operation without delay. Dealers were also given an opportunity of co-

The Radio Scamps of IYA are scheduled for an old time novelty concert on Thursday, May 15.

operating, and many hundreds of them up and down the country have installed in their shops official subscription cards on which customers are invited to record their gifts. Then, at intervals, the proceeds are forwarded to the treasurer of the fund. The latest development is that the Masonic world is taking an active part, and already a number of donations have been received from branches. Altogether, the movement can be described as a magnificent effort to make the lives of Britain's blind a little more like those who enjoy the blessings of sight, and it is hoped that at no distant date every country in the world will follow suit.

compositions to his credit, chief among them being the light opera "Marama," which toured New Zealand.

This entertainment will be, it is hoped, the first of a series of a similar nature, and much care has been taken in selecting artists whose work is known to be of a standard sufficient to warrant the presentation of such an important programme.

If You are having Trouble, why not call in—

An Expert Radio Technician

And have your Set properly adjusted. You will save time and money, and be assured of perfect satisfaction if you consult—

D. NEILL KEITH,

18 DUNDAS ST., SEATOWN.

All Calls made Promptly—

Satisfaction Guaranteed.

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:
166 Queen Street, Auckland.
P.O. Box 1029.

How Needles Affect Tone

THE subject of needles is one of vital interest to the gramophone enthusiast, whether he be a constructor, experimenter or solely a listener. Considerable research work upon the subject is being done in England and many interesting and important conclusions are being disclosed. Under the heading of "Practical Points," the latest issue of "Modern Wireless" contains an account of some of the results disclosed by their research department in this respect. Some important conclusions are drawn in the article, and we reproduce portions herewith.

After EASTER!

The home life settles down to prepare for winter.

For the evening and night's home pleasure this All-electric "Courtenay" Local Station Set will give you musical joy from any loudspeaker at this low price.

£10/10/-

Home Cleaning

The winter home is hard to clean, yet to live happily, rooms must be dust free, insect proof, and healthy.

Would you live happier in sweet smelling, clean rooms? Swept and perfumed by the "Vacuette" Electric Cleaner.

Brief description: Type, Portable—general and special use, may also be used as hand-type by detaching handle. Brush—stationary and detachable. Control switch, on motor. Operated by foot, very robust. Weight, 10½ lbs. Attachments—fourteen.

£12/10/-

Cooking

Cooking, too, requires care and thought, so we stock the perfected "Shacklock" Electric Ranges. There are many sizes in the latest design of Orion models. They are New Zealand-made, and superior to electric cookers adapted to the New Zealand voltages.

Priced from £12/10/-

STEWART HARDWARE
Limited.

COURTENAY PLACE, WGTN.

With GRAMOPHONE and RADIO

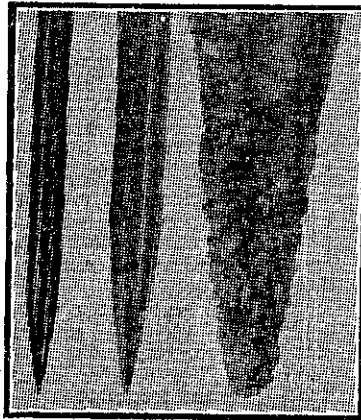
BY "B NATURAL"

No radio-gram enthusiast nowadays uses an ordinary steel needle more than once on a record which is of any value. The habit of using a steel needle for more than one side of a record has long ago been shown to be a very injurious one.

Many Types of Needles.

THE radio-gramophonist has an ample choice in the variety of needles which are marketed nowadays, and although the "loud," "medium," and "soft" descriptions of these articles apply more particularly to their use in an ordinary sound-box, such needles do give rise to different volumes of sound when employed in a pick-up—a constant degree of amplification being, of course, understood.

Look at the typical loud, medium and soft-toned needles. It will be seen that the loud-tone needle is comparatively



The top illustration shows the tapering point of the soft needle. It can be readily understood why this needle will have less effect on the grooves of the record than the loud needle shown underneath. The lowest photograph depicts a rusty needle seen through a powerful magnifying glass. Its effect on the records is quite apparent.

short and stubby, whilst the soft-toned needle has a thinner shank and a more gradually tapering point; the medium-tone needle, of course, effecting a compromise between these two extremes.

It is not merely the actual mass of the needle which governs the tonal volume of the reproduction, but its actual shape also. The thinner the needle and the more tapering its point the less will be the intensity or amplitude of its vibrations.

Effect of Length.

CONSEQUENTLY, the feebler will be the vibrations which are communicated to the pick-up mechanism or the diaphragm of the ordinary sound-box. And, conversely, the thicker the needle and the shorter and stubbier its point the greater will be the amplitude of its vibrations. Hence such a needle will exert a stronger effect upon the pick-up or sound-box.

It is not so generally known that various degrees of tonal volume can be obtained from one type of needle merely

by altering the distance the needle is allowed to protrude from its socket.

For instance, if a loud-tone needle is extended as far out of its socket as the needle-screw will permit, a considerably reduced volume of sound will be obtained at any given amplification of the pick-up system.

Sometimes when a maximum volume of tone is required needles of the collar type are used, the collar on the needle serving to increase its mass.

Examine the Points.

ALTHOUGH steel needles are very hard, they are fairly brittle.

Due to the brittleness of the needles, one or two of them may be found with their points broken away. It is a good plan to make a habit of running the finger over the point of the needle before use in order to feel if the point is intact.

Sometimes, also, a rusty needle finds its way into the box. The point of one of these is illustrated here, and from a glance at the photograph it will be obvious that such needles are unfit for use.

The Best Policy.

It is always the best policy therefore to examine, either by sight or by touch, every needle before it is used, so that record wear may be kept down to the minimum.

When wear does ultimately set in on the record it is always the outer playing grooves which show the first signs of wear by becoming scratchy. This is due to the fact that the tip of the needle never fits the track quite accurately at first.

Recorded Music

THERE are numerous recordings of the item to be broadcast by the Royal Dunedin Choir next week. The excerpts are all well known standard works, and listeners will be able to obtain almost any item on a record.

"Your Tiny Hand is Frozen."

THERE is a splendid Columbia record of this well-known excerpt from Puccini's famous opera "La Boheme." It is an electric recording of the great tenor Lomanto, who sings in Italian. The song places a severe test upon the artist, as it has many difficult passages and not a few sustained bars well up the scale, but the artist takes them all without effort or strain. The tone is remarkably clear and true throughout. The other song by the same artist is "Il Lamento di Federico," a song abounding in tender, sympathetic passages and working to a brilliant conclusion. It is a splendid record. (04095 12-inch blue-light).

Organ Solos.

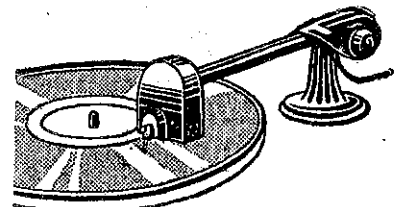
THE fourth item on the programme is a bracket of the organ solos, one of which is recorded on Columbia (Continued on page 21.)

The needle-point has to be rounded off slightly, and this "grinding in" is accomplished during the first few grooves of the record. However, wear at this portion of the record can be reduced considerably by getting into the habit of allowing the needle to run on the plain edge of the record for half a dozen revolutions or so, and then gently pushing it into the track.

The steel needle is a tried and trusted article. During the playing of an average twelve-inch record it has to traverse approximately 750 feet of playing grooves, and to bear upon its point a weight of anything from three to six ounces, which, in the former instance, represents a pressure of nearly twelve tons per square inch.

Get Unequalled Reproduction at an absurd Price

PACENT PHONOVOX PICK-UP



Model 124A de Luxe, fitted with a counter-balanced tone arm, that ensures perfect reproduction. Special adaptor provided enables this model to be used for either A.C. or battery sets, and, on account of its special construction, the Patent Pick-up will take fibre needles without loss of volume. Fitting the Phonovox to your set requires only a few minutes.PRICE £2

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

Wholesale Distributors:

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AUCKLAND.

Stations Identified

THE stations heard by "Sonora" on April 9 between 8 p.m. and 9 p.m. were Sydney and London testing on short-wave. The terminal exchange ladies were being schooled in the work connected with the projected commercial service between the two countries. The word "serial" refers to "calls" being put through from one country to the other, each call having a number. The "calls" were then checked back, and time involved in talk checked between both countries, as is usual with toll calls in N.Z. Occasionally the technical operators can be heard checking up for volume and clarity, it being obvious if the circuit drops in volume and clarity it would be useless connecting a subscriber in Australia through to England and vice-versa, this being watched carefully by the officials during transmission. I spent a long time on April 14 listening to the tests, calls and conversations, most of the speakers being officials at Melbourne, Sydney and London. A Melbourne official stated, "Best reception to date"; London reporting similarly; the Melbourne trunk call was made via Sydney to London. The numbers "Sonora" heard were actual telephone numbers with which communication was required. I should like "Sonora" to get in touch with me.—R. Leslie Jones (Lyall Bay).

MR. SELLENS reports a short-wave station on about 25 metres going up and down like a fire siren on Wednesday evening, April 2, at 7.30 p.m. I heard this station giving out the call sign of 3RO, Rome, testing, at which time they played a recording "Weary River." This may solve this station which Mr. Sellens reports.—C. MacFarlane.

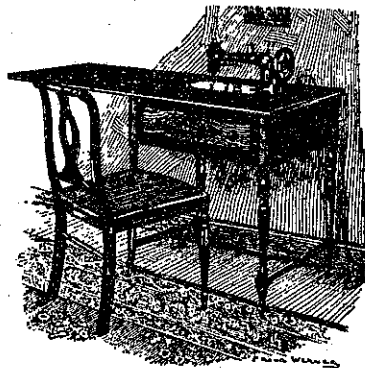
Identification Wanted

COULD anyone identify a station on approximately 319 metres (940 k.c.) on Sunday, 13th, at 12.45 a.m.? Several orchestral numbers were given, followed by a relay description of a boxing match. Crowd could be heard cheering. Still going when I closed down at 2.15 a.m. The announcer spoke very quickly.—Trevor Sweetman (Palmerston North).

Radio Listeners' Guide, 1930 Edition.

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WELLINGTON

THE D.X. CLUB

Views and News.

DX Topics

"B" Class Stations.

I AGREE with "Sonora" regarding the lack of courtesy shown by the New Zealand "B" stations in failing to acknowledge reports of reception, I wrote to four several months ago, and 2ZF was the only station which replied with a card. The "B" stations might well take a tip from the Americans, who reply immediately, and often with a friendly little letter included. Do they treat overseas listeners as they treat us, with absolute contempt?—Disgusted (Wai-kato).

MIGHT I add my protest to the ones you have already had concerning the verification of the private stations. It is over a month now since I wrote to a Dunedin station, but still there is no reply. I even went to the trouble of including a stamped envelope, but he was either offended by this or else his Scotch instinct got the better of him and he steamed off my stamp. Another point is the late nights which "Switch" seems to enjoy. This week he states that 5CL was available on the speaker at 11.30 p.m. For myself, I have had all the Australians except 2HD and 2KY at full speaker strength at 10 p.m., and 2BL has filled the room at 8 p.m. Wishing everybody the best of DX luck.—A. Stanley (Khandallah).

"Sonora's" remarks have been endorsed by many others, but one correspondent adds that he has found the Dunedin stations to reply better than the Auckland ones.

2ZC, Wairoa.

IN this week's "Radio Record" I notice that several listeners have heard a New Zealand station on 365 metres (822 kilocycles). On Wednesday, the 9th inst., I heard this station at 7.50 p.m., when the announcer stated that it was the first time that the station had been on the air at night and hoped that it was coming through well. He then went on to tell about the equipment of the station, and mentioned something about the pick-up used. The wavelength was then stated

as 365 metres and the power 7½ watts. He then closed down and stated that the station would be on with a programme at 8 p.m. No call-sign was given, but after a minute or two he came on the air again and gave the call as 2ZC with no address.

I HAVE seen no mention of Station 2ZC, Wairoa, in your columns. On one or two occasions I have had this sta-

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 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 condensed.)

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

$$K = \frac{300,000}{M}$$

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.

tion at weak loudspeaker strength on a wavelength of about 356 metres (842 kilocycles), hearing to-day at approximately 1 p.m. thank listeners at Otane and Hastings for reports and then continue with a programme of dance music.—HR4 (Waipawa).

ALWAYS keep your lead-in as short as possible—which is another way of saying always place your set on that side of the room where the lead-in is situated.

IF you use B accumulators, take particular care with the insulation, as the slightest leakage between adjacent rows leads to a continuous drain upon the battery.

Children's Sessions

FROM 1YA.

TUESDAY, APRIL 29.—Miss Winthrop is bringing a bright and happy band of performers to the Studio, and Uncle Wave will be telling interesting stories.

WEDNESDAY.—Once again we listen to Uncle Tom and with him is Cousin Frank and company, with their banjos and ukuleles. So be prepared for a merry hour.

THURSDAY.—Girl citizens from the Y.W.C.A. will provide the programme this evening. There will be choruses, solos and recitations. Peter Pan will be present with some new catches and puzzles.

FRIDAY.—Nod and Aunt Jean in charge, more verses from Aunt Jean, and dialogues from cousins.

SATURDAY.—Two little plays to be presented this evening by the pupils of Mrs. Culford Bell, and stories and jokes from Cinderella.

SUNDAY.—Children's Song Service, conducted by Uncle Leo and assisted by Beresford Street Congregational Sunday School.

FROM 2YA.

TUESDAY.—Uncle Jim will have with him some of the pupils of Miss Rastall, and Cousins Marjorie and Ray have two special items.

THURSDAY.—This is the anniversary of Shakespeare's birthday, and Mrs. Halligan's little pupils have prepared a scene from "A Midsummer Night's Dream." Uncle George will send Birthday Greetings to all those children who have been lucky enough to have their birthdays on Shakespeare's Day.

FRIDAY.—Uncle George has prepared a special Anzac Service, and he is bringing with him the members of the St. Mark's Glee Club Choir. Mr. Small will assist Uncle George.

SATURDAY.—A playette called "Fru Fru" will be performed to-night. Pupils of Gordon Short will play pianoforte solos, and "The Revelers"—six boy Cousins—will again be here. Uncle Toby, with Mr. Pilot, will take their usual aeroplane trip, dropping presents from the Fairies as they go.

SUNDAY.—The Children's Song Service will be conducted as usual by Uncle George, and he will be assisted by our children of the Cambridge Terrace Congregational Church Choir, under the supervision of Mr. Reynolds.

A New Valve

THE appearance of a new low filament consumption valve—Radio-tron 221, is creating interest among battery using set owners. It has for long been the policy of the R.C.A. to keep .25 amp-valves and experimenters will be interested to know how the new valve is turning out. One has been sent along to our laboratory for test and the figures relating to it will appear probably in our next issue.

"Over the Coals."

RE your answer to "Constant Listener's" letter in the last "Radio Record," you say that distortion is caused by the air and earth waves meeting. You also say that this happens only at a distance of about 100 miles from the transmitter. Am I to infer, then, that no distortion will occur at a greater distance than 100 miles? In our location here, out in the country, we have two sets in the house—one a super-set, 9 valves, and another all-wave set with a good push-pull audio. Both sets have picked up 2BL, Sydney, on the loudspeaker with good volume at 7 o'clock in the evening and they are quite clear. Also, Auckland, 1YA and 1ZB, staticky but also clear, the same applies to 3YA. Then we tune in to 2YA, and every few minutes the set has to be retuned. Now, Mr. Editor, I think I know what you will say: "Look to your batteries or get a new set of valves, or your set is apparently overloading." Very well; if you do say that you are wrong. Firstly, because if the batteries are run down, why are the other stations good? Secondly, both sets have new valves in them, only a few weeks old. Thirdly, we can open both sets right out on 2ZH, Napier, which station is only about 10 miles away, as the crow flies, and there is not the slightest sign of distortion; but as soon as we go back to Wellington we get mustiness and your carrier seems to be eternally on the move. Why don't you follow "Why Not's" (Wanganui) suggestion of advancing the Dinner "Dirge" to 7-8 instead of from 6-7? And please don't jam down the brake so hard on the records, you might wear it out and then that would be more expense. When are you going to publish a balance-sheet?—"Fault-Finder" (Havelock North).

[Our correspondent criticises us for a statement which is not ours, and in doing this wrongly identifies us with the Broadcasting Company. The statement was that of the company's official, for which we cannot accept responsibility. Further, we cannot see why we—a privately owned newspaper—should publish a balance-sheet just to please a correspondent.—Ed.]

An International Angle.

PERMIT me to make a programme suggestion. Have national nights, devoted to the music of one particular nation, Italian, German, French, Russian, Norwegian, each in turn, occupying at least an hour. Representative recordings could easily be assembled, assisted by vocal and instrumental performers. These should be both interesting and enlightening. Perhaps, too, the "talk" for the evening could also be directed toward the same object.—International (Napier).

Tut, Tut, Mr. Drummond.

AT last night's news information session a news item concerning a certain Lord de Waar was put across. Now, sir, this place is choc-a-bloc with Scotsmen and quite a storm of indignation and disapproval was manifest at Mr. Drummond's slip. For his information the name is pronounced as it is spelt—Dewar.—Scottie (Glen Massey).

Talking Picture Broadcasts.

I MUST thank the several correspondents from Okato who have contributed their views in reply to those given by me on the subject of talking film broadcasts. Having made my pro-

test against what I consider to be the undesirable principle of allowing American talking picture interests to have their products broadcast as an advertisement—for that, surely, is what it amounts to—I had intended leaving the matter at that, more especially as a Petone correspondent ("Just") dealt very adequately on my behalf with the weak case put up by "Attaboy," Okato. This week, however, "Plenty More," Okato, has attacked my letter.

Both "Attaboy" and "Plenty More" put forward a plea for the country listener, who has not the same opportunity as the city dweller to attend the sound films. They both (or is it he?) condemn my attitude to the American

Sarron-Donovan Match

THE third match between Sarron and Donovan, which takes place in Dunedin on Saturday, May 3, will be broadcast. If relay lines be available, simultaneous broadcasts will be made from the four main stations, and from 2YB, New Plymouth.

Mr. G. P. Aldridge, who was the announcer at the two previous contests, will again be at the microphone.

In the evening of Monday, April 28, 3YA will broadcast a ringside description of the New Zealand championship heavy-weight contest between Campbell and Broadfoot. The contest will commence at approximately 9 p.m.

films, and advise men to do this, that, and the other thing. Bad as the films are, and deleterious as the effect must be on the rising generation of hearing the banal American accent so often, my complaint was not so much against the sound film as against the Broadcasting Company granting the American film interests so much facility for advertising their wares, particularly as the absence of televising apparatus makes it impossible to follow the thread of the story. It cannot be gainsaid that the country listeners are entitled to as much entertainment as can be provided for them, but that is no reason why powerful financial interests should be allowed to advertise over the air. Their sickly sentimentalism as shown by the spate of "theme songs" and other rubbish which has been rolling out of America in the last year or two, is, or should be, repugnant to people of good taste. Why listen to "theme songs" (whatever they are) when we have the works of Mendelssohn, Schubert, Liszt, Beethoven, Gounod, Mozart, Rossini, Handel, Haydn, Schumann, Mousssgoursky, Auber, Dvorak, Elgar,

Rachmaninoff, and countless others to give us pleasure and profit? If only the Broadcasting Company could see its way to broadcast more of the splendid programmes such as we enjoyed last Monday night, when the choir of St. Mary of the Angels' Church was on the air, the better it would be. For one thing, such sacred music, if broadcast more frequently would go far toward counteracting the pernicious effects of American films and "theme song" abominations, which should be placed upon some sort of Index Expurgatories without further delay. Some day they will be. No, "Attaboy," I would not abolish jazz, but I would murder the saxophone and all who flaunt it, and I think it a great pity that we do not get back to the tunes that made granddad happy. I was not alive in those times, not being a granddad, but the melodies that have survived will be living still when jazz "theme songs" and their perverted inventors are dead and forgotten. In the meanwhile, so long as these banalities are broadcast I shall follow "Plenty More's" advice, and turn the switch to the "off" position.—K. Swiney, Northland.

A Theory for Mushiness of 2YA.

I do not agree with your correspondents when they state that the fault is with the station. The "Mushiness" referred to is caused through the mishandling of a certain set, the make of which I have not yet been

able to ascertain. There is one of these nuisances not very far from here and one may be listening to music which is as "clear as a bell," then we hear this set come in very faintly. That is the end of it, the reception at once becomes mushy, and if I try any other station they come in clear. As far as the 2YA engineers theory re back-lash from the "heavyside layer," I wish to state that I have worked a 4-valve B.D. 1930 model both north and south of Wellington, and at various distances, and always found 2YA's reception very clear. Now I think if the R.B.C. would send someone to test out some of this so-called distortion or mushiness, they would certainly find that the cause was as stated. Through these particular sets that have such devastating effect on which ever station they are tuned in on. They do not squeal nor do they howl, they are very hard to detect coming in, but when they do you soon know that they are there. Another very disagreeable habit these sets have is that their owners have the best concerts to themselves unless they are on some other station.—"Pioneer," Waipawa.

Name Controversy

IN reference to the interesting statements which recently appeared in your columns regarding the pronunciation of the American place-name Schenectady. I would like to remark that I have been a close student of the language of that country through the agency of K.D.K.A., Pittsburgh, for the last four or five years, and have made the interesting discovery that the first portion of the name of their great Eastern Metropolis is pronounced either "Noo" or "Nu" indifferently, but pending the introduction of a couple of new letters into the old Roman alphabet, I find myself too diffident to attempt even the phonetic spelling of the name in its entirety.—G. Fraser (Ohura).

AUTUMN VACATION EXCURSIONS !

During School Holidays Cheap Rail Fares are

—available for ALL, from and to any station, from 8th to 17th May—return up to 14th June.

—6/- in the £ cheaper than ordinary fares.

—cheaper still for large families—only three whole tickets needed for father and mother and all their children under 16 years of age.

Full Particulars from any Stationmaster or City Booking Office.

Features from

NEXT WEEK'S PROGRAMMES

SUNDAY

From 1YA.

THE religious service to be held in the Baptist Tabernacle will be relayed, the preacher being the Rev. Joseph Kemp, and the organist and choirmaster, Mr. A. E. Wilson. Two new artists will appear on the studio programme, Miss Freda Litherland (soprano) and Mr. W. E. McMichael (baritone). They will be heard in some very fine solos and duets. The Studio Trio will also appear, and some of their items will include "Scherzo" (by Reissiger), "In the Lion's Den" (from "Alhambra Suite"), and "Oh Quand Je Dors" (by Liszt). Mr. Eric Waters will be heard in the pianoforte solo, "Caprice Espagnole."

From 2YA.

THE evening service of St. Paul's Pro-Cathedral, Wellington, will be relayed by 2YA. The preacher will be the Rev. Percival James, and the organist and choirmaster Mr. Robert Parker. The second of the 1930 season recitals of the Port Nicholson Silver Band will be relayed from the Opera House at the conclusion of the church service relay.

From 3YA.

DURHAM STREET Methodist Church (Rev. W. T. Blight, preacher), will be on the air from 3YA. A studio programme will follow. Miss Betty Sutton (soprano), Miss Anita Graham (mezzo-soprano), Mr. Harry Francis (tenor), Mrs. Dorothy Jenkin (elocutionist), Miss Beatrice Claridge (pianiste), and Mr. Harry Claysher will be the contributing artists.

From 4YA.

THE service in Trinity Methodist church will be broadcast, the preacher being the Rev. Bellhouse. 3YA's after church concert will be relayed to 4YA.

TUESDAY

One-act Play

From 1YA.

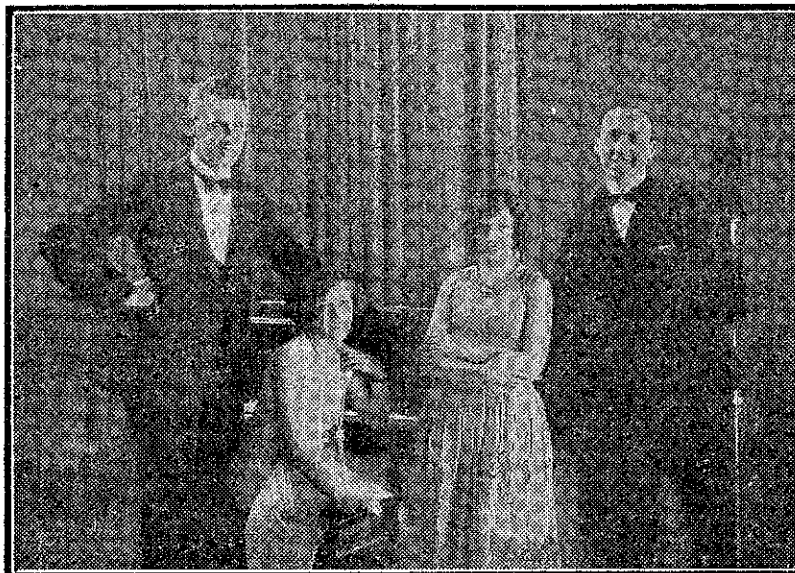
ANOTHER three-act play will be presented. This one is entitled "Nothing but the Truth" (by James Montgomery). It will be produced by the Auckland Comedy Players, under the excellent direction of Mr. J. F. Montague.

From 2YA.

A BRIGHT popular programme will be presented. The Salon Orchestra, under Mr. M. T. Dixon, will play "Three Russian Dance Numbers," Roger Quilter's "Three English Dances," two numbers by Drigo, "Waltz Lente" and "Talisman," and

"The Silhouette Dance," by Adam. Baritone solos will be sung by Mr. R. M. Curties (an artist who is making his first appearance before the microphone), and soprano solos by Miss Phyllis Martin, will consist of excerpts from musical comedy. Miss Maisie Oakes and Mr. Douglas Stark, two popular young entertainers, will con-

In the studio programme the English contralto, Miss Madge Clague, will make her final appearance before leaving for Canada. Miss Clague will be heard in a number of ballads, including "By the Waters of Minnetonka," "Ships that Pass in the Night," "Quand tu Chantes" (by Gounod). The popular Bohemian Duo will make another



THE CHATTERBOXES—FOUR POPULAR ENTERTAINERS AT 3YA.

From left to right—Mr. L. T. J. Ryan, Miss Alma Finnerty, Miss Alice Greenlees and Mr. Jock Lockhart. Mr. Lockhart, who has appeared at all four New Zealand stations, is particularly well known for his Scottish humorous items. —Steffano Webb, photo.

tribute some popular songs and humorous items to the programme. The usual dance programme of selected recordings will be given at the conclusion of the studio programme.

3YA Silent.

From 4YA.

INTERSPERSING a programme by the Kaikorai Band at 4YA will be items by Miss Muriel Eager (soprano), Miss N. Warren (elocutioniste), Mr. B. C. Bellhouse (baritone) and Mr. Norman D. Scurr, the popular singer of the latest light airs. In one of these, "I'm a Dreamer," he will have guitar accompaniment.

WEDNESDAY

"Gipsy Love"

From 1YA.

AT 7.40 p.m. another talk on "Health and Diet" will be given by Madame Mabel Milne.

appearance in some well-known lighter songs, and the Orchestral Octet will provide instrumental music. Mr. Cyril Towsey will play the pianoforte solo, "Andante from Sonata in E Flat," and Mr. Clinton Williams will be heard in a number of baritone solos. The programme will conclude with a lecture-recital, "Voice of the Past," to be given by Mr. Karl Atkinson.

2YA Silent.

From 3YA.

"GIPSY LOVE," the well-known musical play by Lehar, will be featured on the programme. All the principal excerpts will be sung, the vocalists being Miss Corrie Aslin (soprano), Miss Dulcie Mitchell (contralto), Mr. H. Blakeley (tenor) and Mr. J. Graham Young (baritone). Mrs. Margaret Williams will contribute two humorous recitations and an instrumental programme will be provided by the Studio Octet, under Mr. Harold Beck. Pianoforte solos will be played by Miss Dorothy Davies.

From 4YA.

"WHAT are Vitamines? Are they necessary?" Listen in to a talk by the Home Science Department of the Otago University during the afternoon, when these active little agents in all foods will be discussed. In the evening, at 7.15, Mr. S. C. Rhodes, of the Department of Agriculture, will speak to farmers on "The Farm Apiary as a side line."

The Saxophone Band, under Mr. J. McCaw, will be responsible for light concert entertainment. Their items will include tone poems, "Fragment Flowers" (Goodell), "Twilight in the Mountains" (Weber) and "In An Arab Camp" (May). There will also be some characteristic saxophone numbers—"Coon's Birthday" and "Lovable and Sweet." Violin and piano numbers will be contributed by Messrs. Ted Ferrant and Moore Wilson, with vocal chorus. Popular solos will be sung by Miss Rita Holmes and Miss Ida Langley, the latter's items including four songs from A. A. Milne's "When We Were Very Young." Recitations will be given by Miss Pennie Marshall.

THURSDAY

Military Band Items

From 1YA.

THE Minus Fives will appear again. This popular combination has arranged a special programme, entitled "Off the Beat." Many entertaining novelties are promised, including A. P. Herbert's "The Policeman's Serenade." Dance music until 11 p.m.

From 2YA.

AT 2YA at 7.40 Miss Inez Connop, the well-known teacher of dancing, will give another of her interesting talks on "Ballroom Dancing." The Boys' Institute Military Band will give a delightful programme during the concert session at 2YA. Listeners no doubt still have pleasant recollections of the band's previous performances and the programme for this occasion will be of the usual high standard set by this combination. This band, incidentally, is the only military band combination in Wellington. By "military" band is meant a band that uses brass and reeds, and it need not necessarily follow that such a band should be attached to any military organisation. It is noticeable when listening to a "military" band that the reeds help to give a much softer effect than the ordinary brass does, besides being a great help in introducing different tone colours to the band's playing. The assisting artists on this occasion will be the Lyric Quartet, Miss Rose Carte (elocutionist), Mrs. Dorothy Ross (so-

prano) and Mr. Norman Izett, who will play novelty piano solos.

From 3YA.

MR. E. E. WILTSHIRE, of the Christchurch Horticultural Society, will speak from 3YA at 7.30 on "The Iris Plant and How to Grow It."

A programme, which will include a number of classical airs, will be broadcast from 3YA. The vocalists will be Miss Frances Hamerton's popular Melodious Four, in conjunction with Mrs. G. Hartshorn (humorous reciter) and the Studio Octet. A very interesting item on the programme will be a playlet, "Confessions" (by Conan Doyle), which will be enacted by Mrs. Hartshorn and Mr. Philip, England.

Silent Day at 4YA.

FRIDAY

Innovation at 1YA

From 1YA.

LISTENERS will be treated to an innovation in the form of three short recitals with explanatory notes.

The first half-hour will be given by Mr. Leo Whittaker (pianist), the second by Miss Joyce Seth Smith (soprano), and the third by Mr. Noel Monkman (cellist). Explanatory notes will be given by Mr. Archie Don.

From 2YA.

MR. NORMAN R. JACOBSEN will give another of his interesting talks on "Simple Explanations of Scientific Phenomena." The items to be played by the Orchestra will include the overture, "Semiramide," selections from the opera "Romeo and Juliet," and "The Ballet Music from Meyerbeer's Operas," as well as the selection, "The Island King." The vocalists will be Miss Elsie Croft, Mr. A. G. Flanagan, Mr. W. Hancock, and Mrs. T. Tracey. Their items will be excerpts from the following operas and musical comedies: "Tannhauser," "Tom Jones," "Salvator Rosa," "The Merry Widow," and "The Geisha."

Two sketches will be given by Mr. D. Edwards and Miss Zena Jupp. A relay from a sound film feature being shown at the Majestic Theatre will also be incorporated in this programme.

From 3YA.

AT 7.30 at 3YA, Mr. F. L. Hutchinson, vice-president of the Christchurch Beautifying Society, will give a talk on the aims and objects of the society.

A good miscellaneous concert, followed by a programme of dance music, will be broadcast by 3YA. The singers will be Miss Betty Simpson (soprano), Miss Nellie Low (contralto), Mr. R. S. H. Buchanan (bass), and Mr. B. H. Collett (singer of popular songs). Humorous recitations will be given by Miss Lily Kinsella. There will be cello solos by Mr. Harold Beck and cornet solos by Mr. N. C. Goffin. Selections will be played by the Broadcast-

NOTED MUSICAL ORGANISATION TO BROADCAST

Royal Dunedin Male Choir from 4YA

ONE of the most noted musical organisations in New Zealand, the Royal Dunedin Male Choir, will give a concert in the Town Hall on Monday, April 28. As this is to be broadcast by 4YA, listeners throughout New Zealand can anticipate something exceptionally fine.

The choir soloists will be Messrs. A. Walmsley, J. D. McKechnie, Wm. E. Mills and E. Paris. The society will also be assisted by Miss Teresa McEnroe (soprano), Mr. W. N. Satterthwaite (tenor), Mr. F. C. Cooper (bass), and Mr. A. G. Fleming (elocutionist). The pianist will be Mr. C. A. Martin, L.A.B., and the conductor Dr. V. E. Galway.

The programme to be presented will be:—

Choir—Excerpt from Oratorio, "Hallelujah, Power and Glory," from "Mount of Olives" (Beethoven).

Tenor—Mr. W. N. Satterthwaite, "Your Tiny Hand is Frozen," from "La Boheme" (Puccini).

Choir—Song of Hebrides, "Loch Leven Love Lament" (arr. H. S. Robertson). Organ Solo, Dr. V. E. Galway (a) "Choral Prelude—"Jesu, Joy of Man's Desiring" (Bach); (b) "Toccata" (Boellman).

Choir—Old English Melody, "Caleno Custore Me" (arr. S. Taylor Harris). Soloists: Messrs. Wm. Mills and E. Paris.

Soprano—Miss Teresa McEnroe, "One Fine Day," from "Madame Butterfly" (Puccini).

Choir—Part Song, "By Babylon's Waves" (Gounod, arr. P. Fletcher). Choral Work—"Song of Trafalgar" (Gerard F. Cobb). Soloists: Messrs. A. Walmsley and J. D. McKechnie and Choir.

Bass—(with obligato): Mr. F. C. Cooper, "Star of Eve," from "Tannhauser" (Wagner).

Choir—Part Song, "The Lorelei" (Poem Heine, 1823).

Soprano Solo—Miss Teresa McEnroe, (a) "Songs My Mother Taught Me" (Dvorak); (b) "Will of the Wisp" (Sproff).

Organ Solo—Dr. V. E. Galway, "Caprice in G Minor" (Crakel).

Reading—Mr. A. G. Fleming, "Buckingham's Speech on the Eve of His Execution" ("Henry VIII.').

Choir—"The Sailor's Song," from "The Flying Dutchman" (Wagner).

Selections will be played by the Broadcast-

From 4YA.

THE Winkel-Lampen Radio Players will present two sketches at 4YA—"Having it Out" and "Mrs. Hamblet Records Her Vote." The vocalists on the musical programme will be Miss Evelyn Shepard (soprano), Miss Gwenda Burt (contralto), and Mr. Noel H. North. The baritone solos will be "Vulcan's Song," "I Am a Friar in Orders Grey," and "Droop Not, Young Lover." Selections from Haydn, Schubert, Schumann, and Morrissey's "Neapolitan Episode," will be played by the Studio Trio. There will be solos by Mrs. C. Drake (piano) and Mr. J. A. Wallace (violin).

SATURDAY

W.E.A. Discussion

From 1YA.

THERE will be a relay from the Town Hall, the concert to be given by the Municipal Band under the conductorship of Mr. Christopher Smith.

Dance music will conclude the programme as usual, until 11 p.m.

From 2YA.

THE first W.E.A. "Discussion" between two speakers will take place. The vaudeville programme will be contributed to by the Salon Orchestra, the Melodie Four, Mr. Will Bishop, and Mrs. Mildred Kenny's Mandolin Band. Mrs. R. W. Allwright will assist with the vocal portion of the programme both in solo and concerted work.

From all Angles

(By "Switch.")

RECENTLY a "wet A" battery which was causing the valves to flicker was shown the writer. It transpired that there was a good deal of sediment in the bottom of the battery, and when this had been washed out at a service station the battery functioned satisfactorily. Evidently the sediment was causing a "short circuit" at the base of the plates.

A WELLINGTON enthusiast lately showed the writer a "new" circuit which he had embodied in his home-built set. He had followed the diagram published in an Australian journal. His enthusiasm was somewhat dampened when it was shown that the circuit transgressed the New Zealand regulations as it was prone to cause howling and was difficult to control. There are circuits permitted in Australia which are banned in New Zealand, and rightly so. The said enthusiast, sooner than risk a prosecution, set about altering the circuit.

ONE continually meets people who have not heard of the a.c. set. The writer has recently had guests who have not taken up radio as they did not want to be "bothered with batteries." Radio exhibitions do much towards educating this section of the public, and by demonstrations show how simple the modern a.c. set is to operate.

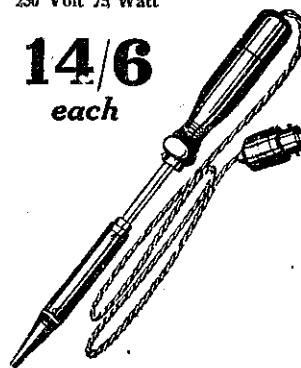
THE most powerful broadcast station in Europe, at present, is that at Santa Palombia, about 13 miles south of Rome. It is rated at 50,000 watts output power, with 100 per cent. modulation. There is provision for an output of 200,000 watts. The wave length is 441.8 metres.

From 3 and 4YA.

TWO duos will contribute to 3YA's programme (which will be relayed to 4YA)—the Joyous Pair (in songs at the piano, with ukulele) and The Sparklets (in humorous sketches). Mr. Leslie Stewart will sing popular songs and Mr. Jock Lockhart will contribute humour at the piano. There will be violin solos by Miss Irene Morris and further instrumental items by the Broadcasting Trio.

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Sunday, April 27

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, APRIL 27.

- 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 the Baptist Tabernacle (Preacher, Rev. Joseph Kemp; Organist and Choirmaster, Mr. A. E. Wilson).
 8.30 (approx.): Orchestral Overture—La Scala Orchestra, "The Secret of Suzanna" (Wolf Ferrara) (H.M.V. D1488).
 Instrumental—Studio Trio, "Andante" (Reissiger).
 Soprano—Miss Freda Litherland, (a) "Mimi's Song" from "La Boheme" (Puccini), (b) "Blackbird's Song" (Cyril Scott).
 Piano—Mr. Eric Waters, "Caprice Espagnol" (Moszkowski).
 Vocal duet—Miss Freda Litherland and Mr. W. E. McMichael, "Nocturne" (Denza).
 Instrumental—Studio Trio, "Scherzo" (Reissiger).
 Baritone—Mr. W. E. McMichael, (a) "Songs of the Sea" (Coleridge-Taylor), (b) "Consecration" (Manney).
 Instrumental—Studio Trio, (a) "In the Lion's Den," from "Alhambra Suite" (Lange Muller), (b) "Oh, Quand Je Dors" (Liszt).
 Vocal duet—Miss Freda Litherland and Mr. W. E. McMichael, "Beyond the Meadow Gate" (Montague Phillips).
 Orchestral—San Francisco Symphony Orchestra, "March Militaire" (Schubert) (H.M.V. ED9).
 9.30 (approx.): God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, APRIL 27.

- 3.0 to 4.30: Afternoon session.
 6.0 : Children's Song Service conducted by Uncle George, assisted by the Terrace Congregational Sunday School Choir.
 7.0 : Relay of evening service of St. Paul's Pro-Cathedral, Mulgrave Street, Wellington (Preacher, Rev. Percival James; Organist and Choirmaster, Mr. Robert Parker).
 8.15 (approx.): Relay of the Port Nicholson Silver Band's second recital of the 1930 season from the Grand Opera House.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, APRIL 27.

- 3.0 : Afternoon session—Gramophone recital.
 4.30: Close down.
 5.30: Children's Song Service by children of Presbyterian Sunday Schools, conducted by Rev. R. Pratt.
 6.15: Chimes.
 6.30: Relay of evening service from Durham Street Methodist Church (Preacher, Rev. W. T. Blight; Organist and Choirmaster, Mr. Ernest Frith, F.R.C.O.).
 7.45 (approx.): Intermission gramophone recital.
 8.15: Overture—Dajos Bela Orchestra, "Caprice Viennois" (Kreislér) (Parl.)
 8.19: Soprano—Miss Betty Sutton, "Magdalen at Michael's Gate" (Liza Lehmann).
 8.23: Piano—Miss Beatrice Claridge, "Waltz, Opus 14" (Chopin).
 8.28: Tenor—Mr. Harry Francis, "Your Tiny Hand is Frozen," from "La Boheme" (Puccini).
 8.32: Harp—Mr. Harry Glaysher, "Sur la Rive de la Mer" (Oberthur).
 8.38: Mezzo-soprano—Miss Anita Graham, (a) "Sweet Wind that Blows" (Merrie Solomon), (b) "Flowers Above" (Merrie Solomon).
 8.44: Dramatic recitation—Miss Dorothy Jenkin, "The Song of the Market-Place" (Anon.).
 8.49: Trio—Edith Lorand Trio, "Melody in F" (Rubinstein) (Parl. E10639).
 8.53: Soprano—Miss Betty Sutton, (a) "Rose Softly Blooming" (Spohr), (b) "Damon" (Stange).
 8.59: Weather report.
 9.1 : Piano—Miss Beatrice Claridge, "Sequidillas" (Albeniz).
 9.3 : Tenor—Mr. Harry Francis, (a) "The Snowy-Breasted Pearl" (Robinson); (b) "Home, Little Maori, Home" (Hill).
 9.14: Trio—Edith Lorand Trio, "Trio—Andante Grazioso Scherzo" (Goldmark) (Parl. E10639).
 9.18: Recitation—Miss Dorothy Jenkin, "The House by the Side of the Road" (MS.).
 9.22: Harp—Mr. Harry Glaysher, "Londonderry Air" Irish traditional, arr. Glaysher-Weatherley).
 9.31: Orchestral—Berlin State Opera Orchestra, "Tannhauser Grand March" (Wagner) (Parlophone E10577).
 God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, APRIL 27.

- 3.0 : Chimes. Selected gramophone records.
 4.30: Close down.
 5.30: Children's Song Service, conducted by Big Brother Bill.
 6.30: Relay of evening Church Service, Trinity Methodist Church. Rev. H. E. Bellhouse; Choirmaster, Mr. Simpson.
 7.45: Selection—Milan Symphony Orchestra, "Aida" (Verdi) (Col. 02803).
 Negro Spirituals—Utica Jubilee Singers, "Angels Watching Over Me," "Climbin' Up the Mountain" (Zonophone 5159).
 Violin—Heifetz, "On Wings of Song" (Mendelssohn) (H.M.V. DB1216).
 Male choir—Don Cossacks, "Korsaken Wlegenlied" (Gretchaninoff).
 Selection—Barbirolli's Chamber Orchestra, "Symphony No. 2 (London)" in D Major, Third and Fourth Movements" (Haydn) (H.M.V.).
 8.15: Relay of programme from 3YA, Christchurch.
 9.30: God Save the King.

Monday, April 28

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, APRIL 28.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, APRIL 28.

- 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, "Columbia" Hour.
 Suite—Ketelbey's Concert Orchestra, "In a Fairy Realm" (Ketelbey).
 1. The Moonlit Glade; 2. The Queen Fairy Dances; 3. Gnomes March (02694-5).
 6.12: Tacet.
 6.15: Orchestral—Columbia Symphony Orchestra, "March of the Bojaren" (Halvorsen) (Columbia 02622).
 'Cello—Gaspar Cassadio, "Melodie Arabe" (Glazounov) (02579).
 Orchestral—New Queen's Hall Light Orchestra, "Wood Nymphs" (Coates) (02591).
 6.26: Tacet.
 6.30: Orchestral—New Queen's Hall Light Orchestra, "Summer Days Suite" (Coates) 1. In a Country Lane; 2. On the Edge of the Lake; 3. At the Dance. (Columbia 02590-1).
 6.42: Tacet.
 6.45: Orchestral—J. H. Squire's Celeste Octet, "Memories of Mendelssohn" (arrgd. Sear) (02838).
 Orchestral—Columbia Symphony Orchestra, "Bridal Procession" (Grieg) (02622).
 6.57: Tacet.
 7.0 : News Session, Market Reports and Sports Results.
 7.40: Lecturette—Mr. H. C. South, "Books Grave and Gay."
 8.0 : Chimes.
 Overture—2YA Orchestra (Conductor Signor A. P. Truda) "Golden Sceptre" (Schlepegrell).
 8.9 : Contralto—Miss Hilda Chudley, "Sand Man" (Brahms).
 8.13: Baritone—Mr. Cyril McCheyne, "The Crown of the Year" (Easthope Martin).
 8.17: Pianoforte and vocal recital by Miss Edith Harry, the well-known Welsh composer-pianist.
 Pianoforte solos—"Waltz in A Flat" (Chopin); "Evening Whispers" (Palmgren).
 Songs—"Heartbroken" (Edith Harry) "Requiem" (Colette).
 8.37: Virtuoso, String Quartet—"Novelette" No. 3 (Bridge).
 8.41: Elocution—Mr. Sydney Tingey, "Sairey Gamp," down among the Pack-ets, from "Martin Chuzzlewit" (Dickens).
 8.47: Tenor—Mr. G. Austin Blackie, "Laurette" (Gyne).
 8.51: Instrumental—2YA Orchestra, "Petite Suite de Concert" (Coleridge-Taylor).
 8.59: Weather report and announcements.
 9.1 : Contralto—Miss Hilda Chudley, "Peace" (Fogg).
 9.5 : Selection—2YA Orchestra, "Le Roi D'ys" (Lalo).
 9.13: Baritone—Mr. Cyril McCheyne, (a) "Linden Lea" (Williams); (b) "Sylvain" (Sinding).
 9.19: Pianoforte and vocal recital by the celebrated Welsh composer-pianist, Miss Edith Harry.
 Piano solo—"Waltz in E Major" (Chopin), "Nocturne in E Flat" (Chopin).
 Songs—"Roses for the King" (Edith Harry), "Pierrots Cradle Song," "The Beebeek."
 9.39: Selection—2YA Orchestra, (a) "Un Reve" (Delafosse); (b) "Fornarinette" (Valverde).

Week-all Stations-to May 4

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- 9.47: Elocution—Mr. Sydney Tingey, "An Incident of the French Camp" (Browning).
9.54: Tenor—Mr. G. Austin Blackie, "Mary" (By request) (Richardson).
9.58: Instrumental—2YA Orchestral, "Valse Bleue" (Margis).
10.2: God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, APRIL 28.

- 3.0: Afternoon Session, Gramophone Recital.
4.25: Sports results.
4.30: Close down.
5.0: Children's Hour, conducted by Scatterjoy.
6.0: Dinner Session, "Columbia" Hour.
Selection—Court Symphony Orchestra, "The Windmill Man" (02909).
J. H. Squire Celeste Octet—"Scene de Ballet" (De Beriot arrgd. Sear).
Halle Orchestra, "Hungarian Dance No. 5 in G Minor" (Brahms).
6.13: Tacet.
6.15: Plaza Theatre Orchestra, "The Three Bears" Fantasy (Coates).
J. H. Squire Celeste Octet, "A Vision of Christmastide" (Harrison).
6.27: Tacet.
6.30: Regimental Band of H.M. Grenadier Guards, "La Benediction Des Poignards" (Meyerbeer) (02981).
Bournemouth Municipal Orchestra, "Echoes of the Valley" (Gennin).
J. H. Squire Celeste Octet, "Second Movement from Symphonie Pathetique" (Tschalkowsky) (arrgd. Robertson) (02937).
Halle Orchestra, "Hungarian Dance No. 6 in D" (Brahms) (01677).
6.43: Tacet.
6.45: Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).
Regimental Band of H.M. Grenadier Guards, "Lo Here the Gentle Lark" (Bishop arrgd. Godfrey) (02931).
Herman Finck's Orchestra, "Christmas Memories" (arrgd. Finck).
6.57: Tacet.
7.0: News session.
7.30: Talk—Mrs. T. E. Taylor, "Woman's Contribution to International Peace."
8.0: Chimes.
Band programme by Derry's Military Band, conducted by Mr. J. Scott and assisted by 3YA Artists.
8.1: March—Band, "Viscount Nelson" (Zehle).
Foxtrot—The Band, "Roses of June" (O'Hagan).
8.9: Baritone—Mr. K. Murray Fountain, "The Watchman" (Squire).
8.13: Organ—Joseph Wayne, "When My Dreams Come True" (Berlin).
8.17: Mezzo-Contralto—Miss Kathleen Johns, (a) "Ring Bells, Ring" (Day), (b) "Little Lady of the Moon" (Coates).
8.23: Waltz—The Band, "Jeunesse Doree" (Waldteufel).
8.31: Male Quartet—The Diplomats, "From Sunrise to Sunset" (Miller).
8.34: Marimba—Rudy Starita, (a) "Minuet" (Paderewski); (b) "Aloha Oe" (trdtl.) (Columbia 01143).
8.40: Contralto—Miss Eileen Irwin, "Yonder" (Oliver).
8.44: Organ—Joseph Wayne, "Pagan Love Song" (Brown) (Columbia 01725).
8.47: Humour Scottish—Mr. H. Instone, "Still More Scottish Patter" (Own Arrangement).
8.52: Military Fantasy Band, "A Day at West Point" (Bendix).
9.0: Weather Report and Announcements.
Relay from Civic Theatre of Boxing Match—Heavyweight Champion of New Zealand, Broadfoot v. Campbell.
Baritone—Mr. K. Murray Fountains, "Youth" (Allitsen) "Sonny Boy" (Jolson).
Meditation Band, "L'Extase" (Thome).
Berceuse—Band, "From 'De Jocelyn'" (Godard).
Mezzo-contralto—Miss Kathleen Johns, "Irish Folk Song" (Foote).
Humour Scottish—Mr. H. Instone, "Still More Scottish Patter" (Own Arrangement).
Selection—Band, "Selections from Opera 'Patience'" (Sullivan).
Contralto—Miss Eileen Irwin, (a) "Whatever is, is Best" (Lohr); (b) "Lullaby" (Cyril Scott).
March—Band, "The Mocking Bird" (Ferruzzi).
God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, APRIL 28.

- 3.0: Chimes. Selected Gramophone Items.
4.25: Sporting results to hand.
4.30: Close down.
5.0: Children's Hour, conducted by Uncle Allan. (H.M.V. Dinner Session).
6.0: Royal Albert Hall Orchestra, "Carmen Prelude Act 1" (Bizet) (E461).
National Symphony Orchestra, "Sylvia Ballet Cortège de Bacchus" (Delibes) (EB24).
Organ—Reginald Foort, "Schon Rosmarin" (Kreisler) (B2664).
6.12: Tacet.
6.15: Marek Weber's Orchestra, "La Tosca Selection" (Puccini) (C1413).
National Symphony Orchestra, "La Traviata Prelude" (Verdi) (EB24)

- 6.27: Tacet.
6.30: Selection—National Symphony Orchestra, "Bohemian Girl" (Balfe).
Royal Albert Hall Orchestra, "Carmen Prelude Act 2" (Bizet) (E461).
Organ—Reginald Foort, "A Brown Bird Singing" (Haydn-Wood).
6.42: Tacet.
6.45: National Symphony Orchestra, "Aida" (Verdi) (Zonophone A340).
Selection—H.M. Coldstream Guards, "H.M.S. Pinafore" (Sullivan).
6.57: Tacet.
7.0: News Session.
7.40: Talk—Mr. J. M. Bates, M.A., will deliver a talk on "Dreams." Under the auspices of the Workers' Educational Association.
8.0: Chimes.
Relay from Town Hall of Concert by Royal Dunedin Male Choir.

Tuesday, April 29

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, APRIL 29.

- 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, "Parlophone" Hour.
Overture—Berlin State Opera Orchestra, "Mignon" (Thomas).
Instrumental—Grand Symphony Orchestra, "Tales of Hoffman—Barcarolle" (Offenbach) (A4061).
6.12: Tacet.
6.15: Fantasia—Edith Lorand Orchestra, "Faust" (Gounod) (E10579).
Piano—Karol Szreter, "Fledermaus" (Strauss) (A4082).
6.27: Tacet.
6.30: Selection—Dajos Bela Orchestra, "La Tosca" (Verdi) (A4045).
Cello—Orabio de Castro, "Nocturne in E Flat" (Chopin) (E10581).
6.42: Tacet.
6.45: Overture—Grand Symphony Orchestra, "Fra Diavolo" (Auber).
Instrumental—Grand Symphony Orchestra, "Tales of Hoffman—Entr'acte and Minuet" (Offenbach) (A4061).
6.57: Tacet.
7.0: News and market reports.
8.0: Chimes.
Presentation of the Three Act Comedy, "Nothing But the Truth" (James Montgomery), by the Auckland Comedy Players, under the direction of Mr. J. F. Montague.
Overture—Mayfair Orchestra, "Wake Up and Dream" (Porter).

ACT 1.

The Offices of Ralston & Co., Sharebrokers, in a large New York Hotel.
Entr'acte—Berlin State Opera Orchestra, "Carmen Prelude, Act 1" (Bizet) (H.M.V. E468).

ACT 2.

The next day—a room in the summer home of Mr. Ralston, Long Island, New York.
Entr'acte—Berlin State Opera Orchestra, "Carmen Prelude, Act 2" (Bizet) (H.M.V. E468).

ACT 3.

The same day—same as Act 2.
Orchestral—Victor Symphony Orchestra, "Dance of the Hours" (Ponchielli) (Zono. EF12).
10.0: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, APRIL 29.

- 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, "H.M.V." Hour.
Waltz—International Concert Orchestra, "Over the Waves" (Rosas).
Orchestral—Paul Whiteman and His Concert Orchestra, "High Water" (Brennan-McCardy) (C1607).
Hawaiian—Hilo Hawaiian Orchestra, "My Hula Love" (Kealakai).
Orchestral—Zonophone Salon Orchestra, "Simple Aveu" (Thome).
6.13: Tacet.
6.15: Orchestral—Paul Whiteman and His Orchestra, "Mississippi Suite" (Grove) (1574).
Organ—Edward O'Henry, "Chant Sans Paroles" (Tschalkowsky).
Orchestral—Zonophone Salon Orchestra, "Narcissus" (Nevin).
6.30: Waltz—International Concert Orchestra, "Danube Waves" (Ivanovici).
6.29: Tacet.

- Hawaiian—Hilo Hawaiian Orchestra, "Kawaihau Waltz" (Kealakai).
 Orchestral—Paul Whiteman and His Concert Orchestra, "Caprice Futuristic" (Mayneck) (C1607).
 Organ—Edward O'Henry, "Ca C'est Madrid" (O'Henry) (B3094).
 6.44: Tacet.
 6.45: Orchestral—Hylton's Orchestra, "Good Old Songs Selection" (C1592).
 Orchestral—International Concert Orchestra, "Barcarolle" ("Tales of Hoffman") (Offenbach) (B2377).
 Orchestral—New Light Symphony Orchestra, "Cavalleria Rusticana" (Intermezzo) (Mascagni) (B2377).
 6.59: Tacet.
 7.0: News session, market reports and sports results.
 7.40: Lecturette—Representative, Agricultural Department, "For the Man on the Land."
 8.0: Chimes.
 Overture—2YA Salon Orchestra (Conductor, Mr. M. T. Dixon), "Russian Dances, Nos. 1, 2 and 3" (Bortkiewicz).
 8.9: Soprano—Miss Phyllis Martin, (a) "Farewell" from "Maid of the Mountains" (Fraser-Simson); (a) "The Mirror Song" from "The Last Waltz" (Strauss).
 8.16: Baritone—Mr. R. M. Curties, "The Carpet" (Sanderson).
 8.20: Selection—2YA Salon Orchestra, "Three English Dances" (Quilter).
 8.30: Entertainers—Miss Maisie Oaker and Mr. Douglas Stark, humour, "I'm Ticked to Death I'm Single" (Gideon).
 Duet—"Until You Get Somebody Else" from "Whoopee" (Kahn-Donaldson).
 Popular song—"Mean to Me" (Turk and Ahlert).
 8.42: Soprano—Miss Phyllis Martin, "The Flutes of Arcady" (James).
 8.46: Baritone—Mr. R. M. Curties, (a) "When Song is Sweet" (Sans Souci); (b) "An Emblem" (Thompson).
 8.52: Instrumental—2YA Salon Orchestra, "Cobweb Castle" (Lehman).
 9.0: Weather report and announcements.
 9.2: Waltzes—2YA Salon Orchestra, (a) "Waltz Lente" (Drigo); (b) "Talisman" (Drigo).
 9.10: Entertainers—Miss Maisie Oakes and Mr. Douglas Stark, humour, "Old Flames" (Wilcock); Duo, "That's What's the Matter With You" (McGill). Popular song, "What Makes my Baby Blue" (Gerney).
 9.22: Instrumental—2YA Salon Orchestra, "Silhouette Dance" (Adam).
 9.30: Dance programme, "Columbia."
 Foxtrot—Broadway Nubiles, "You're the Cream in My Coffee" (de Sylva, Brown and Henderson) (01663).
 Foxtrot—Denza Dance Band, "A Lane in Spain" (Lewis and Lombardo) (0722).
 Foxtrot—Benson All-Star Orchestra, "To Know You is to Love You" (de Sylva, Brown and Henderson) (01663).
 Foxtrot—The Piccadilly Players, "The Five O'clock Girl" (Happy Go Lucky Bird) (Kalmar and Ruby) (01492).
 Foxtrot—Rhythmic Troubadours, Vocal Refrain, "Revolutionary Rhythm" (Davis, Coots and Spier) (G20600).
 Foxtrot—Paul Whiteman and His Orchestra, "Lover Come Back to Me" (Romberg and Hammerstein) (07030).
 Foxtrot—Ipana Troubadours, "I'll Get By" (As Long as I have You) (Turk-Ahlert) (01647).
 Foxtrot—Paul Whiteman and His Orchestra, "Marianne" (Romberg and Hammerstein) (07030).
 Foxtrot—Paul Specht and Orchestra, Vocal Trio, "Hittin' the Ceiling" (Gottler, Mitchell and Conrad) (01629).
 10.3: Vocal—Charles Lawman and Novelty Accompaniment, "Oh! Sweetheart Where are You To-night?" (Davis and Coots).
 Foxtrot—Rudy Vallee, "Outside" (Flynn) (Regal G20570).
 Foxtrot—Denza Dance Band, "One Summer Night" (Colslow and Spier) (0722).
 Foxtrot—Swain's Cafe Royal Band, "It Goes Like This, That Funny Melody" (Caesar-Friend) (Regal G20570).
 10.15: Waltz—Selvin's Orchestra, "Ramona" (Wayne-Gilbert) (01137).
 Foxtrot—Bernie's Orchestra, "I Want to Meander in the Meadow" (Woods-Tobias) (01692).
 Foxtrot—Midnight Revellers, "The Moonlight March" (Newman-Lombardo) (Regal G20522).
 Foxtrot—Bernie's Orchestra, "Where the Bab-bab-babbling Brook." (Gottler, Mitchell and Conrad) (01629).
 Foxtrot—Paul Specht and Orchestra, Vocal Refrain, "Sing a Little Love Song" (Gottler, Mitchell and Conrad) (01629).
 10.30: Vocal—Charles Lawman and Novelty Accompaniment, "When We Get Together in the Moonlight" (Rose, Ryan and Volinsky).
 Waltz—The Cavaliers, "Sleepy Valley" (Hanley-Sterling) (01688).
 Foxtrot—The Lombardo's Royal Canadians, "You Made Me Love You." (Woods-Tobias) (01692).
 Foxtrot—Rhythmic Troubadours, "When the Real Thing Comes Your Way" (Spier and Coslow) (Regal G20600).
 Foxtrot—Lombardo's Royal Canadians, "You Belong to Me, I Belong to You" (Lombardo-Newman) (01690).
 Foxtrot—Midnight Revellers, "Sweetheart's Holiday" (Robinson-Kahal) (Regal G20522).
 10.48: Waltz—The Cavaliers, "Recollections" (Rapee-Pollack) (01688).
 Waltz—Swain's Band, "Sleep Baby Sleep" (Tucker and Schuster).
 Foxtrot—Selvin's Orchestra, "In My Bouquet of Memories" (Akst-Lewis Young) (01137).
 Waltz—Swain's Band, "Heigh Ho! Everybody, Heigh Ho!"
 11.0: God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, APRIL 29.

SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, APRIL 29.

- 3.0: Chimes. Selected Gramophone Records.
 4.25: Sporting results. Close down.
 5.0: Children's Hour, conducted by Uncle Pete.
 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 (Messenger).
 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 AD 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, "Las Lagarteranas" (Guerrero and Poulkes) (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 Buriello" (arrgd. Cecil J. Sharp) (01710).
 6.59: Tacet.
 7.0: News session.
 7.40: Talk—Mr. R. W. Marshall, "Tourist Resorts."
 8.0: Chimes.
 Programme of Music to be rendered by the Kaikorai Band, under the direction of Mr. Thos. J. Kirk-Burnnand, assisted by 4YA artists.
 March—The Band, "The Thunderer" (Sousa).
 Valse Intermezzo—The Band, "Bal Masque from 'Persian Sketches'" (Fletcher).
 8.8: Baritone—Mr. B. C. Bellhouse, (a) "Youth" (Allitsen); (b) "Poor Man's Garden" (Russell).
 8.14: Novelty—Xylo Rimba Orchestra, "Along Miami Shore" (Snodgrass).
 8.18: Recital—Miss N. Warren, "Marguerite" (Whittier).
 8.24: Selection—The Band, "Souvenir De Richard Wagner" (Wagner).
 8.42: Light vocal—Mr. Norman D. Scurr, "Keep Your Sunny Side Up" (de Sylva).
 8.48: Organ—C. T. Pattman, (a) "Polly" (Zamecnik); (b) "Janette" (Nicholls).
 8.56: Soprano—Miss Muriel Eager, (a) "My Mother Bids" (Haydn); (b) "I am Longing for the Spring" (Morris).
 9.0: Weather report.
 9.2: Orchestral—Herman Finck and His Orchestra, "Waldteufel Memories" (arrgd. Finck) (Columbia 02985).
 9.10: Baritone—Mr. B. C. Bellhouse, "The Veteran's Song" (Adams).
 9.14: Grand Selection—The Band, "Il Crociato in Egitto" (Meyerbeer).
 9.26: Recital—Miss N. Warren, (a) "The Fool" (Service); (b) "Er Upstairs" (Wyne).
 9.31: Novelty—Xylo Rimba Orchestra, "My Sweetheart" (Pease).
 9.35: Cornet with band accompaniment, "My Task" (Ashford).
 9.39: Light vocal with guitar—Mr. Norman D. Scurr, "I'm a Dreamer" (de Sylva).
 9.43: Valse-di Concert, The Band, "Passing of Salome" (Joyce).
 9.50: Soprano—Miss Muriel Eager, "I Love the Merry Sunshine" (Glover).
 9.55: Contest March—The Band, "The Challenge" (Calvert).
 God Save the King.

Wednesday, April 30

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, APRIL 30.

- 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 Tom.
 6.0: Dinner Session, "Columbia" Hour.
 Selection—H.M. Grenadier Guards Band, "New Sullivan Selection" (argd. Godfrey) (02731).
 Waltz—Court Symphony Orchestra, "Destiny Waltz" (Baynes) (504).
 6.12: Tacet.
 6.15: Orchestral—Columbia Symphony Orchestra, "Idillio" (Lack) (01076).
 Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor) 1. La Caprice de Nanette; 2. Demande et Response) (02588).
 6.26: Tacet.

- Waltz—Swain's Band, "Heigh Ho! Everybody, Heigh Ho!" (Harry Woods) (Regal G20575).
- 41.0 : God Save the King.
- 6.30: Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor), 1. Un Sonnet d'Amour; 2. La Tarantelle Fretil-lante) (02589).
- Wurlitzer Organ Solo—Terence Casey, "I'm Lonely" (Coates).
- 4.42: Tacet.
- 6.45: Dance Suite—H.M. Grenadier Guards Band, "Nell Gwynn Dances" (German), 1. Country Dance; 2. Pastoral Dance (01829).
- Orchestral—Columbia Symphony Orchestra, "Spring Song" (Mendels-sonn) (01076).
- Waltz—Symphony Orchestra, "Morgen Blatter" (Strauss) (9218).
- 6.58: Tacet.
- 7.0 : News and market reports.
- 7.40: Talk—Madame Mabel Milne, "Health and Diet."
- 8.0 : Chimes.
- Overture—1YA Orchestral Octet—Conducted by Mr. Eric Waters, "Southern Stars" (Ascher-Mahl).
- 8.10: Baritone—Mr. Clinton Williams, (a) "Harlequin" (Sanderson); (b) "So Fair a Flower" (Loehr).
- 8.17: Suite—1YA Orchestral Octet—"By the Lake of Geneva" (Bendel), 1. "The Grove of Julie"; 2. "Moonlight Sail to Lovers' Isle."
- 8.25: Contralto—Miss Madge Clague, (a) "By the Waters of Minnetonka" (Lieurance); (b) "Ships That Pass in the Night" (Stephenson).
- 8.32: Piano—Mr. Cyril Towsey, "Andante from Sonata in E Flat" (Weber).
- 8.40: Novelty Duo—The Bohemian Duo, (a) "Deep Night" (Henderson); (b) "The World is Waiting for the Sunrise" (Seltz).
- 8.50: Selection—1YA Orchestral Octet—"Rigoletto" (Verdi).
- 8.58: Evening forecast and announcements.
- 9.0 : Baritone—Mr. Clinton Williams, "The Floral Dance" (Moss).
- 9.4 : Selection—1YA Orchestral Octet—(a) "Drummer's Delight" (Edwards); (b) "Swaying Harmony" (Harris).
- 9.18: Contralto—Miss Madge Clague, "Quand Tu Chantes" (Gounod).
- 9.17: Novelty Duo—The Bohemian Duo, (a) "Sleepy Valley" (Handley); (b) "Oh, Baby, What a Night" (Tilzer).
- 9.25: Selection—1YA Orchestral Octet, "Little Boy Blue" (Bereney).
- 9.35: Gramophone Lecture-Recital—Mr. Karl Atkinson, "Voices of the Past."
- 10.5 : God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, APRIL 30.

SILENT DAY.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, APRIL 30.

- 3.0 : Afternoon session—Gramophone recital.
- 4.25: Sports results.
- 4.30: Close down.
- 5.0 : Children's session, "Uncle John."
- 6.0 : Dinner session, "H.M.V." Hour:
Selection—New Mayfair Orchestra, "Lilac Time" (Schubert-Clutsam).
Orchestral—Royal Opera Orchestra, "Carmen Ballet No. 4" (Bizet).
- 6.12: Tacet.
- 6.15: Orchestral—National Symphony Orchestra, "William Tell Overture" (Rossini) (Zonophone 2969-70).
- 6.27: Tacet.
- 6.30: Instrumental—Royal Opera Orchestra, "Syvilia Ballet—Pizzicato and Procession of Bacchus" (Delibes) (G1418).
- Orchestral—Royal Opera Orchestra, "Carmen Ballet No. 2" (Bizet).
- 6.42: Tacet.
- 6.45: Orchestral—London Symphony Orchestra, "Chanson de Matin" (Elgar)
Trio—Fritz and Hugo Kreisler and Michael Rauchsien, "L'Arlesienne Intermezzo" (Bizet, arr. Kreisler) (DB1166).
Instrumental—Philadelphia Symphony Orchestra, "Nocturne No. 2—Fetes" (Debussy) (E507).
- 6.57: Tacet.
- 7.0 : News session.
- 7.30: Addington Stock Market reports.
- 8.0 : Chimes. Operatic and miscellaneous programme. Presentation of excerpts from "Gipsy Love" (Franz Lehar).
- 8.1 : Overture—Kauffman's Orchestra, "The Gipsy Baron" (Strauss).
- 8.9 : Contralto—Miss Dulcie Mitchell, "The Wild Bird," from "Gipsy Love" (Lehar).
- 8.13: Instrumental—Studio Instrumental Octet (conductor, Mr. Harold Beck), "Coriolanus Overture" (Beethoven).
- 8.21: Duet, soprano and tenor—Salome Duo, "The Garden of Love," from "Gipsy Love" (Lehar).
- 8.24: Band—National Military Band, "Prelude to Lohengrin" (Wagner).
- 8.28: Baritone and quartet—Mr. J. Graham Young and Salon Quartet, "I Can't Keep Away from the Girls," from "Gipsy Love" (Lehar).
- 8.31: Humour—Mrs. Margaret Williams, "Cinders" (Wish Wynne).
- 8.37: Soprano and tenor—Salome Duo, "The Wild Rose," from "Gipsy Love" (Lehar).
- 8.40: Piano—Miss Dorothy Davies, "Scherzo in C Sharp Minor" (Chopin).
- 8.45: Quartet—Salon Quartet, "The Moon Hath Raised," from "Gipsy Love" (Lehar).
- 8.48: Instrumental—Studio Instrumental Octet, valse, "Thousand and One Night" (Strauss).
- 8.56: Contralto and quartet—Miss Dulcie Mitchell and Salon Quartet, "Done is Our Labour" (Lehar).
- 8.59: Violin and organ—Charles Williams, "Intermezzo" from "Cavalleria Rusticana" (Mascagni) (Zonophone 5280).

- 9.2 : Weather reports and announcements.
- 9.4 : Instrumental—Studio Instrumental Octet, "Ascanio Suite No. 1" (Saint-Saens).
- 9.12: Baritone—Mr. J. G. Young, "Love and Wine," from "Gipsy Love" (Lehar).
- 9.15: Band—National Military Band, "March from Tannhauser" (Wagner).
- 9.18: Soprano, tenor, and baritone—Salome Duo, "A Little Maiden," from "Gipsy Love" (Lehar).
- 9.22: Piano—Miss Dorothy Davies, "Waltz in A Flat" (Brahms).
- 9.26: Contralto and baritone—Salvina Duo, "You're in Love," from "Gipsy Love" (Lehar).
- 9.29: Humour—Mrs. Margaret Williams, "The Fatal Guess" (R. H. Roberts).
- 9.33: Instrumental—Studio Instrumental Octet, (a) "Dawn of Spring" (Ames), (b) "Harvest Festival" (Ames).
- 9.39: Soprano—Miss Corrie Aslin, "The Looking-Glass," from "Gipsy Love" (Lehar).
- 9.42: Organ—Reginald Foort, (a) "Schon Rosmarin" (Kreisler), (b) "A Brown Bird Singing" (Haydn Wood) (H.M.V. B2664).
- 9.48: Tenor—Mr. H. Blakeley, "Gipsy Song," from "Gipsy Love" (Lehar).
- 9.51: Violin and organ—Charles Williams, "Annie Laurie" (Scott) (Zono.).
- 9.54: Quartet—Salon Quartette, "Have I Awaked from Dreams," from "Gipsy Love" (Lehar).
- 9.57: Instrumental—Studio Instrumental Octet, (a) "Gavotte" (Elvey), (b) "Cuban Dance" (Cervantes).
God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, APRIL 30.

- 3.0 : Chimes. Selected gramophone items.
- 3.15: Talk—Home Science Extension Department of Otago University under the auspices of 4YA Primary Productions Committee, "What are Vitamines? Are they necessary?"
- 4.25: Sports results.
- 4.30: Close down.
- 5.0 : Children's Hour, conducted by Big Brother Bill.
- 6.0 : Dinner session—"Columbia" Hour:
Orchestral—Herman Finck and his Orchestra, "Waldteufel Memories" (arr. Finck) (Columbia 02985).
'Cello—W. H. Squire, "Gavotte" (Mehul) (03646).
Mandolin Band—Circolo Mandolinistico, "Torna a Surriento" (De Curtis) (01210).
- 6.13: Tacet.
- 6.15: Band—B.B.C. Wireless Military Band, "Dance of the Tumblers" (Kor-sakov) (02893).
Octet—Squire Celeste Octet, "Funeral March of a Marionette" (Gounod) (01713).
Saxophone—Chester H. Hazlett, "Valse Inspiration" (Hazlett) (01627)
Orchestral—Plaza Theatre Orchestra, "Pearl o' Mine" (Fletcher).
- 6.28: Tacet.
- 6.30: Waltz—New Concert Orchestra, "Nights of Fragrance" (Ziehrer).
Quartet—Squire's Celeste Octet, "Air on G String" (Bach) (01713).
Saxophone—Chester Hazlett, "To a Wild Rose" (MacDowell) (01627).
Orchestral—Plaza Theatre Orchestra, "Bal Masque" (Fletcher).
- 6.43: Tacet.
- 6.45: Selection—Circolo Mandolinistico, "Stephanie Gavotte" (Czibulka).
Band—B.B.C. Wireless Military Band, "Golliwog's Cake-Walk" (Debussy) (02893).
'Cello—W. H. Squire, "Madrigale" (Simonetti-Squire) (03646).
Waltz—New Concert Orchestra, "Vienna Maidens" (Ziehrer) (02979).
- 6.58: Tacet.
- 7.0 : News session.
- 7.15: Talk—S. C. Rhodes, Department of Agriculture, under auspices of 4YA Primary Productions Committee, "The Farm Apilary as a Sideline."
- 8.0 : Chimes. Novelty Saxophone Band under direction of Mr. J. McCaw.
Tone poem—Band, "Down the Main Street" (Weidt).
Tone poem—Band, "Twilight in the Mountains" (Weber).
- 8.9 : Soprano—Miss Rita Holmes, "Farewell to Summer" (Johnson).
- 8.13: Violin and piano—Ted Ferrant and Moore Wilson (with vocal chorus), "When My Dreams Come True" (Berlin), "Sleepy Valley" (Hanley).
- 8.21: Recitals—Miss Pennie Marshall, (a) "Spring Wind in London" (Masefield); (b) "Ethelred" (Cautionary Tale) (Belloc).
- 8.27: Characteristic saxophone—Band, (a) "Coon's Birthday" (Carter), (b) "Lovable and Sweet" (Clare).
- 8.34: Humour—Mr. B. Brown, (a) "Roaming in the Gloaming" (Lauder), (b) "I Belong to Glasgow" (Fyffe).
- 8.40: Violin and piano—Ted Ferrant and Moore Wilson (with vocal chorus), (a) "Rainbow Man" (Dowling), (b) "Too Wonderful for Words" (Thompson).
- 8.47: Contralto—Miss Ida Lungley, four songs from A. A. Milne's "When We Were Very Young" (Fraser-Simpson), (1) "Changing Guard at Buckingham Palace," (2) "Growing Up," (3) "Halfway Down the Stairs," (4) "Politeness."
- 8.53: March—Saxophone Band, "Local Pride" (Alford).
Tone poem—Saxophone Band, "Fragrant Flowers" (Goodall).
- 9.0 : Weather.
- 9.2 : Soprano—Miss Rita Holmes, (a) "Open Thy Blue Eyes" (Massenet), (b) "Sing to Me the Auld Scotch Songs" (Leeson).
- 9.7 : Violin and piano—Ted Ferrant and Moore Wilson, "When I'm in Love" (Robin).
- 9.11 : Recital—Miss Pennie Marshall, "Ballad of Splendid Silence" (Nisbet).
- 9.15: Tone poem—Saxophone Band, "In an Arab Camp" (May).

- Foxtrot—Saxophone Band, "You're the Cream in My Coffee" (De Sylva).
- 9.21: Humour—Mr. E. Brown, "When I Get Back to Bonnie Scotland" (Lauder).
- 9.24: Violin and piano (with vocal chorus)—Ted Ferrant and Moore Wilson, "That's What Put the 'Sweet' in 'Home, Sweet Home'" (Lowry).
- 9.27: Contralto—Miss Ida Lungley, "Vespers" (Fraser-Simpson).
- 9.29: Galop—Saxophone Band, "Blue Streak" (Allen).
- 9.33: Dance session, "Columbia":
- Foxtrot—Milt Shaw's Orchestra, "Walking with Susie" (Gottler).
- Foxtrot—Fred Rich's Orchestra, "Used to You" (De Sylva) (01565).
- Foxtrot—Milt Shaw's Orchestra, "Breakaway" (Gottler) (01553).
- Foxtrot—Fred Rich's Orchestra, "Why Can't You?" (De Sylva).
- 9.42: Hawaiian—Lizzie Alohioka and Chorus, "Nani Kauai" (Alohioka).
- Foxtrot—Debroy Somers Band, "The Egg Song" (Salisbury) (01523).
- Foxtrot—Harry Reser's Syncopators, "I'm Wild About Horns on Automobiles" (Gaskill) (01543).
- Foxtrot—Ted Wallace and his Campus Boys, "Jericho" (Meyers).
- One-step—Debroy Somers' Band, "Shinaniki Da" (Carlton) (01523).
- Waltz—The Cavaliers, "Lady Divine" (Shilkret) (01543).
- 10.0 Organ solo—Milton Charles, "Love's Old Sweet Song" (Molloy).
- Foxtrot—Don Voorhee's Orchestra, "Ol' Man River" (Kern) (01406).
- Foxtrot—Ted Wallace and his Campus Boys, "I've Got a Feeling I'm Falling" (Link) (01586).
- Foxtrot—Don Voorhee's Orchestra, "Can't Help Lovin' Dat Man" (Kern) (01406).
- Foxtrot—Andy Sannella's All Star Trio, "Perfume of Roses" (Donovan) (Regal G20493).
- 10.15 Vocal duet—Layton and Johnstone, "Carolina Moon" (Davis) (01550).
- Foxtrot—Ernie Golden's Orchestra, "She's Got Great Ideas" (Tobias).
- Foxtrot—Piccadilly Players, "I Lift Up My Finger and Say 'Tweet, Tweet'" (Saroni) (01595).
- Foxtrot—Ernie Golden's Orchestra, "That's Her Now" (Ager) (01559).
- Waltz—The Cavaliers, "Underneath the Russian Moon" (Gusman).
- 10.30 Organ solos—Milton Charles, (a) "From the Land of the Sky-Blue Water," (b) "At Dawning" (Cadman) (01161).
- Foxtrot—Ray Starita and his Ambassadors Band, "Wake Up, Chill'un. Wake Up!" (Trent) (01595).
- Foxtrot—Hal Swan's Cafe Royal Band, "Me and the Man in the Moon" (Leslie) (Regal G20492).
- Foxtrot—Andy Sannella and his All Star Trio, "I'll See You Thru" (Kassel) (Regal G20493).
- Waltz—Eddie Thomas's Collegians, "Billie" (Henderson) (01584).
- 10.45 Hawaiian—Lizzie Alohioka and Chorus, "Lili E" (Kaulia) (01282).
- Tango—Anson Weeks' Orchestra, "Senorita" (Weeks) (01584).
- Foxtrot—Paul Whiteman's Orchestra, "Get Out and Get Under the Moon" (Shay) (07001).
- Foxtrot—Corona Dance Band, "I Faw Down an' Go Boom" (Brockman) (Regal G20492).
- Foxtrot—Paul Whiteman's Orchestra, "Evening Star" (Turk) (07001).
- Waltz—The Cavaliers, "By-and-By, Sweetheart" (Valentine) (01546).
- Reel—O'Leary's Irish Minstrels, "Turkey in the Straw" (Regal).
- 11.0 God Save the King.
- 9.30: Programme of Dance Music, "Brunswick."
- Foxtrot—Tom Gerun and His Orchestra, "The New Step" (Titsworth-Cowan) (4519).
- Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Blondy" (Rubila) (4594).
- Foxtrot—Abe Lyman and His California Orchestra, "Lucky Me Loveable You" (Yellen-Greer) (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 by 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—Slatrandall and His Orchestra, "I'd Do Anything for You" (Friend-Pollack) (4562).
- Foxtrot—Lloyd Huntley and His Isle O'Blues Orchestra, "Head Low" (Cabilzajo) (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" (Titsworth-Cowan) (4519).
- Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Pretty Little You" (Ryan-Violonsky) (4551).
- Foxtrot—Mill's Hotsy Totsy Gang, "Some Fun" (Von Eps) (4498).
- Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Why Can't You Love That Way" (Bounre-Val-Creamer) (4531).
- 10.9: Vocal duet—Al and Pete, "At Nesting Time" (Bontsema) (4670).
- Foxtrot—Louis Kaizman and His Brunswick Orchestra, "Once Upon a Time" (Thompson-Stamper) (4546).
- Foxtrot—Jesse Stafford and His Orchestra, "Feel'n the Way I Do" (Gillespie-Cooke and Moret) (4627).
- Foxtrot—Lloyd Huntley and His Isle O'Blue Orchestra, "Same Old Moon; Same Old June" (Friend) (4643).
- Waltz—Bob Haring and His Orchestra, "All That I'm Asking is Sympathy" (Davis-Burke) (4578).
- 10.24: Foxtrot—Meyer Davis' Hotel Astor Orchestra, "A Year From To-day" (Jolson-MacDonald-Dreyer) (4561).
- Foxtrot—Slatrandall and His Orchestra, "Blame it on the Moon" (Baxter) (4562).
- Foxtrot—Meyer Davis' Hotel Astor Orchestra, "He's So Unusual" (Sheman-Lewis-Silver) (4561).
- 10.33: 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' Hotel Astor Orchestra, "Love" (Amor-Janis-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, May 1

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, MAY 1.

- 3.0: Afternoon session—Selected studio items by Lewis Eady Ltd., including literary selection by the Announcer.
- 3.15: Home Science Talk, "Vegetable Dishes." Talk prepared by the Home Science Department of Otago University.
- 4.30: Close down.
- 5.0: Children's Session, conducted by Peter Pan.
- 6.0: Dinner Session—"H.M.V." Hour.
- Light Orchestra—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: Orchestra—Vienna Philharmonic Orchestra, "Morning, Noon and Night in Vienna" (Suppe) (C1667).
- Light Orchestra, New Mayfair Orchestra, "Five O'Clock Girl" (Ruby).
- 6.27: Tacet.
- 6.30: Orchestra—New Mayfair Orchestra, "Love Lies" (de Sylva).
- Cello—Cedric Sharpe, "Twilight" (Friml) (B3040).
- Organ—Herbert Dawson, "Evansong" (Easthope Martin) (B2263).
- Band—H.M. Coldstream Guards, "Hobomoko Intermezzo" (Reeves).
- 6.44: Tacet.
- 6.45: Trio—De Groot (violin), A. Gibliaro (piano), J. Pacey (cello), "O Sole Mio" (Di Capua) (B2588).
- Organ—Herbert Dawson, "Idylle" (Edward Elgar) (H2263).
- Orchestra—Berlin State Opera Orchestra, "German Dances" (Mozart).
- 6.57: Tacet.
- 7.0: News and market reports.
- 7.40: Lecture: On Art.
- 8.0: Chimes.
- Presentation of novelty entertainment by "The Minus Fives," entitled "Off the Beat" (assisted by 1YA Orchestral Octet).

2YA, WELLINGTON (730 KILOCYCLES)—THURSDAY, MAY 1.

- 3.0: Chimes.
- 3.1: Selected Studio Items.
- 3.15: Talk—Home Science "Vegetable Dishes," prepared by the Home Science Department of Otago University.
- 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.
- March—American Legion Band, "The Conqueror" (Teike).
- Selection—Savoy Orpheans, "Lido Lady" (Rodgers) (C1310).
- 6.12: Tacet.
- 6.15: New Light Symphony Orchestra, "Rustic Wedding Symphony" (Goldmark) (C1210).
- Victor Olof Sextet, "To a Water Lily" (Macdowell) (B2690).
- New Light Symphony Orchestra, "Spanish Dance" (Moszkowski).
- Wurlitzer Organ—Reginald Foort, "Just Like a Darby and Joan" (Gilbert) (B2775).
- 6.28: Tacet.
- 6.30: Jack Hylton's Orchestra, "The Selfish Giant" (Coates) (C1253).
- Victor Olof Sextet, (a) "To a Wild Rose"; (b) "In Autumn" (Macdowell) (B2690).
- Violin and Wurlitzer Organ—De Groot and Terence Casey, "Parted" (Tosti) (B2920).
- 6.44: Tacet.
- 6.45: Victor Symphony Orchestra, "Dance of the Hours" (Ponchielli).
- Wurlitzer Organ—Reginald Foort, "Love Lies" (Kellard) (B2775).
- March—American Legion Band, "Iowa Corn Song" (arrgd. Beeston).
- 6.58: Tacet.
- 7.0: News Session, market reports and sports results.
- 7.40: Lecture—Miss Inez Connop, "Ballroom Dancing."
- 8.0: Chimes.
- Studio Concert by the Boys' Institute Military Band, (Conductor Mr. A. Iremonger) and 2YA artists.

- March—Boys' Institute Military Band, "Queen of the North" (Lithgow).
 Overture—"Sans Souci" (Kaula).
 8.13: Tenor—Mr. C. A. Williams, "The Question" (Schubert).
 8.17: Quartet—The Lyric, "Dear Harp of My Country" (arrgd. Northcote).
 8.21: Novelty Piano—Mr. Norman Izett, (a) "Variations on Home, Sweet Home" (Grobe); (b) "Mazurka Brilliant" (Langton-Williams).
 8.29: Elocution—Miss Rose Carte, "On the Other Train" (Anon).
 8.35: Xylophone—W. Byrne and W. W. Bennett, (a) "The Two Imps" (Alford); (b) "Dancer of Seville" (Grunow) (Columbia 02745).
 8.41: Baritone—Mr. Will Goudie, (a) "Were You There" (Negro Spiritual), (arrgd. Burleigh); (b) "Can't Remember" (Lohr).
 8.47: Tenor Horn Solo—Bandsman F. Ormrod, "Ionia" (Allison).
 Reverie—Boys' Institute Military Band, "Remember Me" (Mackie-Beyer).
 8.55: Soprano—Mrs. Dorothy Ross, "Love's Garden of Roses" (Haydn-Wood).
 8.59: Barn Dance—Boys' Institute Military Band, "T.P.G." (Henry).
 9.3: Weather report and announcements.
 9.5: Tenor—Mr. W. Roy Hill, (a) "Duna" (McGill); (b) "I Pitch My Lonely Caravan" (Coates).
 9.11: Instrumental—J. H. Squire Celeste Octet, "Evening Lullaby" (Squire).
 9.14: Bass—Mr. W. Binet Brown, "The Windmill" (Nelson).
 9.18: Gavotte—Boys' Institute Military Band, "Softly Unawares" (Lincke).
 Fantasia—"Golden Valley" (Hawkins).
 9.27: Humour—Miss Rose Carte, "Packing Up" (Anon.).
 9.33: Organ—Emil Velazco, (a) "La Golondrina" (The Swallow); (b) "Estrellita" (Little Stars).
 9.39: Quartet—The Lyric, "All Through the Night" (trdfl.).
 9.43: Valse—Boys' Institute Military Band, "The Grenadiers" (Rimmer).
 9.48: Soprano—Mrs. Dorothy Ross, "Awake" (Pelissier).
 9.52: Chorus—Columbia Light Opera Company, "Ivan Caryll Memories" (Weatherley, Ross, McLellan and Caryll) (Columbia 05028).
 9.56: March—Boys' Institute Military Band, "Famous Fragments" (Hawkins).
 10.1: God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, MAY 1.

- 3.0: Afternoon session, gramophone recital.
 3.15: Home Science Talk, prepared by Home Science Department of Otago University. "Vegetable Dishes."
 4.25: Sports results.
 5.0: Close down.
 4.30: Children's hour, "Uncle Frank" and "Ladybird."
 6.0: Dinner session, "Columbia" Hour.
 Orchestral—Halle Orchestra, "Capriccio Espagnole" (Rimsky-Korsakov) (02912/3).
 6.13: Tacet.
 6.15: Orchestral—Memorah Symphony Orchestra, "Bar Kochba Selection" (Goldfaden) (02922).
 Piano—Ignaz Friedman, "Minuetto from Suite" (J. Suk) (04346).
 Orchestral—New York Symphony Orchestra, "Entrance of the Little Fauns" (Pierne) (02907).
 6.28: Tacet.
 6.30: Band—B.B.C. Wireless Military Band, "Gathering Peascods Folkdance" (arrgd. Cecil J. Sharp) (01711).
 Violin—Yelky D'Aranyi, "Souvenir" (Drdla) (03644).
 Orchestral—Orchestra de la Societe des Concerts du Conservatoire, Paris, "Le Rouet D'Omphale" (Saint-Saens) (02926).
 6.42: Tacet.
 6.45: Band—B.B.C. Wireless Military Band, "Epping Forest Folkdance" (arrgd. Cecil J. Sharp) (01711).
 Piano—Ignaz Friedman, "Berceuse" (Chopin) (04346).
 Orchestral—Berlin State Orchestra, "Wiener Blut" (Strauss).
 6.58: Tacet.
 7.0: News session.
 7.30: Talk on Horticulture by Mr. E. E. Wiltshire (Christchurch Horticultural Society), "The Irish Plant and How to Grow It."
 8.0: Chimes. Classical and miscellaneous programme.
 Overture—Milan Symphony Orchestra, "Semiramide" (Rossini).
 8.13: Quartet—The Melodious Four, "Hail Orpheus Hail" (de Reef).
 Soprano—Miss Frances Hamerton, (a) "Starry Woods" (Phillips); (b) "Falling Blossoms" (Sawyer).
 8.9: Instrumental—Studio Instrumental Octet—Conductor, Mr. Harold Beck, "Woodland Sketches" (Macdowell); "To a Wild Rose," "Will o' the Wisp," "From an Indian Lodge," "To a Water Lily."
 8.27: Contralto—Miss Belle Renaut, (a) "The Bitterness of Love" (Dunn); (b) "A Little Birdie" (Puccini).
 8.31: Humour—Mrs. G. Hartshorn, (a) "Jacob Strauss" (Adam); (b) "Healing Air of the Bagpipes" (Anon).
 8.35: Soprano and tenor—Dolce Duo, "For Aye, My Love" (German).
 8.38: Instrumental—Studio Instrumental Octet, (a) "Intermezzo" (Gustav Holst); (b) "The Dargason" (Gustav Holst).
 8.49: Quartet—Melodious Four, (a) "Rose Aylmer" (Fritz Hart); (b) "That Very Wise Man" (Parry).
 8.53: Flute quartet—London Quartet, "The Carnival of Venice" (Briccialdi, arrgd. Stainer) (Col. 4155).
 8.56: Bass—Mr. T. D. Williams, "Cobblin'" (Sanderson).
 9.0: Weather report and announcements.
 9.2: Instrumental—Studio Instrumental Octet, (a) "Second Movement from First Symphony" (Beethoven); (b) "Turkish March" (Beethoven).

- 9.8: Playlet—Mrs. G. Hartshorn and Mr. Philip England, "Confessions" (Conan Doyle).
 9.23: Organ—Milton Charles, (a) "From the Land of Sky Blue Water" (Cadman); (b) "At Dawning" (Cadman) (Col. 01161).
 9.26: Soprano—Miss Frances Hamerton, (a) "The Wind in Your Hair" (Gibbs); (b) "April's Hour" (Gibbs).
 Tenor—Mr. Russell Sumner, "Serenade" (Schubert).
 9.32: Cello—W. H. Squire, "The Broken Melody" (Van Biene) (Col. 04180).
 9.36: Contralto—Miss Belle Renaut, (a) "Thou Art so Like a Flower" (Liszt); (b) "Maori Slumber Song" (Te Rangipai).
 9.40: Instrumental—Studio Instrumental Octet—Three Valses, "Bohemienne Rustique" and "De La Reine" (Coleridge-Taylor).
 9.50: Contralto and bass duet—Melodious Duo, "Nocturne" (Chaminade).
 Tenor—Mr. Russell Sumner, (a) "My Lovely Celia" (Munro); (b) "Pretty Creature" (Storace).
 9.57: Flute quartet—London Flute Quartet, "Scotch and Irish Airs" (arrgd. Stainer) (Col. 4155).
 10.0: Bass—Mr. T. D. Williams, (a) "Eldorado" (Mallinson); (b) "Violet" (Mallinson).
 Quartet—Melodious Four, "Daffodils" (Phillips).
 10.6: Instrumental—Studio Instrumental Octet, "Henry VIII. Dances" (German).
 God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, MAY 1.

SILENT DAY.

Friday, May 2

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, MAY 2.

- 3.0: Afternoon session—Selected studio items, including literary selection by the Announcer.
 4.30: Close down.
 5.0: Children's Session, conducted by Nod and Aunt Jean.
 6.0: Dinner Session, "H.M.V." Hour.
 Overture—National Symphony Orchestra, "Orpheus in Hades" (Offenbach) (Zonophone EF16).
 Instrumental—San Francisco Symphony Orchestra, "Caprice Viennois" (Kreisler) (D1272).
 6.12: Tacet.
 6.15: Instrumental—New Light Symphony Orchestra, (a) "Spring Song" (Mendelssohn); (b) "Narcissus" (Nevin) (Zonophone BE111).
 Instrumental—San Francisco Symphony Orchestra, "Coppella Ballet" (Delibes) (D1272).
 Violin—Fritz Kreisler, "Tango Albeniz" (arrgd. Kreisler) (DA1009).
 6.28: Tacet.
 6.30: Instrumental—Philadelphia Symphony Orchestra, "Invitation to the Waltz" (Weber) (D1285).
 Instrumental—San Francisco Symphony Orchestra, (a) "Serenade" (Moszkowski); (b) "Oriental" (Auber) (ED6).
 6.42: Tacet.
 6.45: Orchestral—San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov) (D1492).
 Instrumental—San Francisco Symphony Orchestra, "Liebeslied" (Kreisler) (ED6).
 6.57: Tacet.
 7.0: News and Market Reports.
 8.0: Chimes.
 Relay from Lewis Eady Hall of latest instrumental and vocal music.
 8.30: Three half-hour Recital of Great Composers, with explanatory remarks by Mr. Archie Don.
 Piano—Mr. Leo Whitaker, "Polonaise Op. 26" (Chopin); (Schubert) Andante and Variations, Op. 142; "Spanish Dance Op. 5" (Granados); "Romance, Op. 44" (Rubinstein); "Mazurka Op. 24" (Leshchitzky).
 9.0: Vocal—Miss Joyce Seth Smith, "Lullaby" (Keel); "Countess in Thy Dancing" (Lemaire); "D'Une Prison" (Kahn); "Le Nil" (with cello), (Leroux); "The Snow" (Lie); "To Spring" (Gounod).
 9.30: Cello—Mr. Noel Monkman, accompanied by Mrs. Monkman, "Hungarian Rhapsody" (Popper); "Once Upon a Time" (Popper); "Serenade" (Drigo); "Weigenleid" (Schubert); "Ave Maria" (Schubert), "Scherzo" (Van Geono).
 10.0: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, MAY 2.

- 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, "Columbia" Hour.
 Orchestral—Squire Celeste Octet, "Peter Pan Selection" (Crook).
 Cello—Gaspar Cassado, "Chanson Villageoise" (Popper) (03595).
 Orchestral—Columbia Symphony Orchestra, "Scarf Dance" (Chaminade) (01371).
 6.13: Tacet.
 6.15: Orchestral—Debroy Somers Band, "The Desert Song" (Romberg).
 Cello—Gaspar Cassado, "Menuett" (Haydn, arrgd. Burmester-Moffat).

- Male choir—Sheffield Orpheus Male Choir, "Hymn Before Action" (Kipling-Walford Davies) (Regal G30008).
- 6.28: Tacet.
- 6.30: Orchestral—Halle Orchestra, "Rosamunde Ballet Music" (Schubert). 1—Andantino; 2—Allegro Moderato; 3—Andante un poco assai (Col. 04200).
- Instrumental—Paul Whiteman and His Orchestra, "Christmas Melodies" (Noel and Adeste Fideles) (Col. 07511).
- 6.43: Tacet.
- 6.45: Orchestral—Columbia Symphony Orchestra, "The Flatterer" (Chaminade) (01371).
- Zurich Tonhalle Orchestra, "Gavotte" from "Idomeneo" (Mozart).
- Paul Whiteman and His Orchestra, "Silent Night, Holy Night."
- Male Choir—Sheffield Orpheus Male Choir, "The Long Day Closes" (Chorley) (Regal G30008).
- 6.58: Tacet.
- 7.0: News session, market reports and sports results.
- 7.40: Lecturette—Mr. N. R. Jacobsen, "Simple Explanations of Scientific Phenomena."
- 8.0: Chimes. This programme will be interrupted to permit of a relay of a Talkie Feature from the Majestic Theatre.
- Overture—2YA Orchestrina (Conductor, Signor A. P. Truda), "Serramide" (Rossini).
- Soprano—Miss Elsie Croft, "Waltz Song" from "Tom Jones" (German).
- Piano—Miss Gladys Smith, "Slow Movement Sonata, Op. 109" (Beethoven).
- Baritone—Mr. A. G. Flanagan, "O Star of Eve" from "Tannhauser" (Wagner).
- Operatic Selection—2YA Orchestrina, "Romeo and Juliet" (Gounod).
- Sketch—Miss Zena Jupp and Mr. Douglas Edwards, "The Pact" (Charlton, Elton and Campion).
- Contralto, with Orchestra—Mrs. T. Tracey, (a) "Open Thy Blue Eyes" (Massenet); (b) "Nay Though My Heart Should Break" (Tschaiakowsky).
- Tenor—Mr. Will Hancock, "Chanson de Florian" (Godard).
- Selection—2YA Orchestrina, "Island King" (Garstin).
- Weather report and announcements.
- Soprano—Miss Elsie Croft, "Dream o' Day Jill" (German).
- Baritone—Mr. A. G. Flanagan, "Mia Picciarella" from "Salvator Rosa" (Gumariello).
- Violin—Peter Bornstein, (a) "Musette" (Rameau-Lieberson) (H.M.V. EA676); (b) "Mazurka" (Wieniawski); (c) "Polichinelle" (Kreisler).
- Contralto—Mrs. T. Tracey, "Villia" from "Merry Widow" (Lehar).
- Ballet music—2YA Orchestrina, "Ballet Music" from "Meyerbeer's Operas" (Meyerbeer).
- Sketch—Miss Zena Jupp and Mr. Douglas Edwards, "All the World's a Link" (Simpson).
- Wurlitzer organ—Edward O'Henry, (a) "Faust Waltz" (Gounod); (b) "Minuet in G" (Beethoven) (H.M.V. B2873).
- Tenor—Mr. Will Hancock, (a) "For You Alone" (Geehl); (b) "Love Love" from the "Geisha" (Jones).
- Vocal—Light Opera Company, vocal gems from "The Lilac Domino" (Cuvillier).
- Vocal—Light Opera Company, "Vocal Gems" from "The Chocolate Soldier" (Strauss) (H.M.V. C1705).
- Walse—2YA Orchestrina, "Ti Bacio" (Arditi).
- God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, MAY 2.

- 3.0: Afternoon session—Gramophone recital.
- 4.25: Sports results.
- 4.30: Close down.
- 5.0: Children's hour, "Chuckie."
- 6.0: Dinner session—"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 Pittoresques" (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—Queenie and David Kall, "Hawaiian March" (Ellis) (A2272).
- Valse Intermezzo—Edith Lorand Orchestra, "The Flowers' Dream" (Translatour) (E10570).
- Selection—H.M. Irish Guards, "The Desert Song" (Romberg) (A2433).
- 6.57: Tacet.
- 7.0: News session.
- 7.30: Talk—Mr. F. L. Hutchinson, Vice-President of Christchurch Beautifying Association, "Objects of the Christchurch Beautifying Association."
- 8.0: Chimes. Popular and dance programme:
- Overture—Edith Lorand Orchestra, "Rustle of Spring" (Sinding).

- 8.5: Popular songs—Mr. B. H. Collett, (a) "Always" (Berlin); (b) "Ukulele Lady" (Whitting).
- 8.11: 'Cello—Mr. Harold Beck, "Serenade" (Popper).
- 8.15: Soprano—Miss Betty Simpson, "Happy Song" (Del Riego).
- 8.19: Cornet solo—Mr. N. C. Goffin, "Softly Awakes My Heart" (Saint-Saens).
- 8.23: Bass—Mr. R. S. H. Buchanan, (a) "The Old Road" (Prindle Scott); (b) "Come to the Cookhouse Door" (Wolseley Charles).
- 8.29: Instrumental—Christchurch Broadcasting Trio, (a) "Serenade Espagnole" (Glazunov), (b) "Bolero" (Fernandez-Arbo), (c) "Spanish Dance No. 1" (Moszkowski).
- 8.39: Humour—Miss Lily Kinsella, "Trials of School Life" (MS.).
- 8.44: Contralto—Miss Nellie Lowe, "Husheen" (Needham).
- 8.48: Popular song—Mr. B. H. Collett, "Hiawatha's Melody of Love" (Meyer).
- 8.52: 'Cello—Mr. Harold Beck, "Prize Song" (Wagner).
- 8.56: Soprano—Miss Betty Simpson, (a) "Scenes That are Brightest" (Mariana) (Vincent Wallace); (b) "The False Prophet" (Prindle Scott).
- 9.2: Weather report and announcements.
- 9.4: Cornet solo—Mr. N. C. Goffin, "The Mocking Bird" (Cox).
- 9.6: Bass—Mr. R. S. H. Buchanan, "At Santa Barbara" (Kennedy Russell).
- 9.10: Instrumental—Christchurch Broadcasting Trio, (a) "Elegy" (Massenet), (b) "Romance" (Sibelius), (c) "Minuet" (Boccherini).
- 9.20: Humour—Miss Lily Kinsella, "A Tragedy in Five Acts" (Lardelli).
- 9.25: Contralto—Miss Nellie Lowe, (a) "The Little Brown Owl" (Sander-son), (b) "The Dream Canoe" (Squire).
- 9.30: Dance music until 11 p.m.—"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 Nitelites, "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—Ipana Troubadours, "Deep Night" (Henderson) (01539).
- Waltz—Paul Whiteman's Orchestra, "Blue Hawaii" (Baer) (07021).
- Waltz—Paul Whiteman's Orchestra, "My Angeline" (Wayne) (07020).
- 10.0: Duet—Flotsam and Jetsam, "We Never Know what to Expect" (Flotsam and Jetsam) (01530).
- Foxtrot—Piccadilly Players, "Make Believe" (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—Fredric Curzon, "For Old Time's Sake" (De Sylva) (Regal).
- Foxtrot—Gil Dech's Syncopators, "My Mammy" (Lewis) (01520).
- Foxtrot—Stellar Dance Band, "If I Had You" (Shapiro) (Regal).
- 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! 'Cause I'm Home" (Dixon) (G20476).
- Foxtrot—Paul Whiteman's Orchestra, "Nola" (Arndt) (07022).
- Foxtrot—Stellar Dance Band, "How About Me?" (Berlin) (Regal).
- 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) (Regal).
- 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.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, MAY 2, 1930.

- 3 p.m.: Chimes. Selected gramophone items.
- 4.25: Sporting results.
- 4.30: Close down.
- 5.0: Children's Hour, conducted by Aunt Sheila.
- 6.0: Dinner Session, "Columbia" Hour.
- Overture—Basle Symphony Orchestra, "Der Freischutz" (Weber).
- 6.12: Tacet.
- 6.15: Instrumental—J. H. Squire's Celeste Octet, "The Grasshopper's Dance" (Bucalossi). 3608. "The Butterfly" (Bendix).
- Musical Art Quartet—"To a Wild Rose" (McDowell). 01506.
- Violin—Yvonne Curti, "Madrigale" (Simonetti). 01529.
- 6.27: Tacet.
- 6.30: Instrumental—J. H. Squire's Celeste Octet, (a) "I Love the Moon" (Rubens); (b) "Two Eyes of Grey" (McGeoch). 01213.
- Instrumental—J. H. Squire's Celeste Octet, (a) "Amouresue" Valse (Berger); (a) "Valse Bleus" (Margis). 3643.
- 6.42: Tacet.
- 6.45: Instrumental—J. H. Squire's Celeste Octet, "Valse Caprice."
- 'Cello—W. H. Squire, "Sarabande" (Seitzer). 04283.

Instrumental—J. H. Squire's Celeste Octet, "Perpetuum Mobile."

6.57: Tacet.

7.0: News Session.

8.0: Chimes.

Overture—National Symphony Orchestra, "Orpheus in Hades."

8.9: Soprano—Miss Evelyn Shepard, "Will o' the Wisp" (Spross).

8.12: Trio—4YA Instrumental Trio, "Trio in G Major" (Haydn).

8.24: Sketch—Winkel-Lampen Radio Players, "Having It Out" (Simpson).

8.30: Baritone—Mr. Noel H. North, (a) "Vulcan's Song" (Gounod); (b) "I Am a Friar of Orders Grey" (Reeve).

8.36: Band—National Concert Band, "Patrol Comique" (Handley-Lake).

8.40: Violin—Mr. J. A. Wallace, "Handel Sonata in A" (Handel).

8.49: Contralto—Miss G. Burt, "Ships of Arcady" (Mead).

8.53: Piano—Mrs. C. Drake, "Fantasia Impromptu" (Chopin).

8.59: Weather report.

9.1: Orchestral—Berlin State Opera Orchestra, "German Dances."

9.9: Soprano—Miss Evelyn Shepard, (a) "The Dove" (Ronald); (b) "A Birthday" (Spross).

9.16: Trio—4YA Instrumental Trio, "Trio in B Flat, 1st Movement."

9.31: Sketch—Winkel-Lampen Radio Players, "Mrs. Hamlet Records Her Vote" (Sargent).

9.36: Baritone—Mr. Noel H. North, "Droop Not, Young Lover" (Handel).

9.40: Organ with cornet—R. Arnold Grier, "Softly Awakes My Heart."

9.44: 4YA Instrumental Trio, (a) "Traumerei" (Schumann); (b) "Neapolitan Episode" (Morrissey).

9.51: Contralto—Miss G. Burt (a) "O Night, O Life" (Sanderson).

9.56: Orchestral—La Scala Orchestra, "The Secret of Susana."

10.2: God Save the King.

Saturday, May 3

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, MAY 3.

3 p.m.: Afternoon Session—Sports Broadcast. Description of Boxing Match, Sarron v. Donovan, on relay from 4YA, Dunedin.

4.30: Close down.

5.0: Children's Session, conducted by Cinderella.

6.0: Dinner Session, "Columbia" Hour.

March—National Military Band, "National Emblem" (Bagley).

Cello—W. H. Squire, "The Broken Melody" (Van Biene), 04180.

Albert Sandlers' Orchestra, "I Kiss Your Hand, Madame" (Erwin).

Cinema organ—G. T. Pattman, "Cherie Waltz" (Valentine), 01344.

6.12: Tacet.

6.15: Court Symphony Orchestra, "The Gondoliers" (Sullivan), 979.

Paul Whiteman's Orchestra, "Gypsy" (Gilbert), 07505.

6.27: Tacet.

6.30: Albert Sandlers' Orchestra, "Chalita" (Scherzinger), 01467.

Padilla's Marimba Serenaders, "Paree" (Padilla), Regal G20344.

Piano—Gil Dech, "Sometimes I'm Happy" (Youmans), 01205.

Royal Serbian Tambouritzza Orchestra, "Serbian Melody," 01490.

6.42: Tacet.

6.45: Intermezzo—Ketelbey's Orchestra, "Bells Across the Meadow" (Ketelbey), 02695.

Rio Marimba Serenaders, "Dolores" Waltz (Waldteufel), Regal.

Organ—G. T. Pattman, "Worryin' Waltz" (Fairman), 01344.

March—National Military Band, "Stars and Stripes" (Sousa), 01153.

6.57: Tacet.

7.0: News and market reports.

8.0: Chimes.

Relay of Municipal Band Concert from Auckland Town Hall, under the conductorship of Mr. Christopher Smith.

10.0: (Approx.) Programme of Dance music, "Columbia" Hour.

Fox-trot—Jack Payne and the B.B.C. Dance Orchestra, "Get Up Nice and Early" (Sarony), 01765.

Fox-trot—Stellar Dance Band, "The Toymaker's Dream" (Golden), Regal G20614.

Fox-trot—Hal Swain and His Band, "Am I Blue" (Clarke and Akst), Regal G20616.

Fox-trot—Stellar Dance Band, "I'm Thirsty for Kisses, Hungry for Love" (Davis, Coots), G20603.

10.12: Vocal—Buddy Morgan and His Veterans, "Don't Get Collegiate" (Rose), 1782.

Fox-trot—Ray Starita and His Ambassadors, "That's What I Call Heaven" (Wimbrow), 1761.

Fox-trot—Ipapa Troubadours, "Steppin' Along" (Kernell), 01722.

Fox-trot—Ipapa Troubadours, "There's Too Many Eyes that Wanna Make Eyes at Two Pretty Eyes I Love" (Davis), 01761.

Waltz—Stellar Dance Band, "Sleepy Valley" (Hanley), Regal.

Waltz—Hal Swain and His Band, "Let Me Have My Dreams" (Clarke, Akst), Regal G20616.

10.30: Vocal—Pete Woolery, "Beautiful" (Stern), Regal G20622.

Fox-trot—Stellar Dance Band, "Lonesome Little Doll" (Cowan), Regal G20614.

Fox-trot—Paul Whiteman and His Orchestra, "At Twilight" (Tracy).

Fox-trot—Jack Payne and the B.B.C. Dance Orchestra, "Wake Up and Dream" (Cole Porter), 01762.

Fox-trot—Ipapa Troubadours, "Too Wonderful for Words" (Stamper).

10.45: Vocal—Buddy Morgan and His Veterans, "Sergeant Flagg and Sergeant Quirt" (Klein), 01782.

Fox-trot—Jack Payne and the B.B.C. Dance Orchestra, "Wake Up and Dream," "Looking at You" (Cole Porter), 01762.

Fox-trot—Paul Whiteman and His Orchestra, "When You're Counting the Stars Alone" (Rose), 07029.

Fox-trot—Paul Whiteman and His Orchestra, "Let's Do It" (Porter).

Waltz—Paul Whiteman and His Orchestra, "Love Me" (Morse), 07020.

11.0: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, MAY 3.

3.0: Chimes. Running description of relay from 4YA, Dunedin, of boxing match, Sarron v. Donovan.

3.30 and 4.30: Sports results.

4.55: Close down.

5.0: Children's session.

6.0: Minner music session, "Parlophone" Hour.

Selection—Edith Lorand Orchestra, "The Vagabond King" (Friml).

Waltz—Dajos Bela Orchestra, "The Swallows" (Strauss) (A4010).

6.12: Tacet.

6.15: Selection—Frank Westfield's Orchestra, "Chu Chin Chow" (Norton).

Orchestral—Dajos Bela Orchestra, "O Sole Mio" (arr. Lindeman).

Wurlitzer organ—Leslie Harvey, "Absent" (Metcalfe) (A2728).

6.29: Tacet.

6.30: Waltzes—Dajos Bela Orchestra, (a) "Oh, Spring, How Fair Thou Art" (Lincke); (b) "Songs D'Amour Apres Le Gal" (Czibulka).

Instrumental—Dajos Bela Orchestra, "Humoresque" (Dvorak).

6.42: Tacet.

6.45: Dance Orchestra—Dorsey Brothers' Orchestra, "Was it a Dream."

Wurlitzer organ—Leslie Harvey, "Until" (Sanderson) (A2728).

Waltz—Dajos Bela Orchestra, "Faust" (Gounod) (A4010).

6.55: Tacet.

7.0: News session, market reports and sports results.

7.40: Lecture—"A W.E.A. Discussion," Mr. F. G. Maskell, M.Sc., and Mr. A. E. Campbell, B.A., of Victoria University College, will discuss "Heredity v. Environment in Human Affairs."

8.0: Chimes.

Overture—2YA Salon Orchestra (Conductor, Mr. M. T. Dixon), "Lustspiel" (Kela Bela).

8.9: Quartette—Melodie Four, "The Moon Man" (Macy).

8.13: Mandolin Band—Mrs. Mildred Kenny's Mandolin Band, (a) "You're Always In My Arms" (Tierney); (b) "Dewdrops Polka."

8.20: Bass—Mr. W. W. Marshall, "Devonshire Cream and Cider" (arranged Black); (b) "Pale Moon Paraphrase" (arr. Logan).

8.32: Humour—Mr. Will Bishop will entertain at the piano.

8.42: Tenor—Mr. Frank Bryant, (a) "I Heard You Go By" (Wood); (b) "Now Sleeps the Crimson Petal" (Quilter).

8.48: Duet—Mr. and Mrs. R. S. Allwright, "List to the Convent Bells."

8.52: Instrumental—2YA Salon Orchestra, request item.

9.0: Weather report and announcements.

9.2: Quartette—Melodie Four, request item.

9.6: Baritone—Mr. R. S. Allwright, "Sleepy Hollow Tune" (Kountz).

9.10: Mandolin Band—Mrs. Mildred Kenny's Mandolin Band, (a) "Lullaby" (Paroletti); (b) "Nuit Etoilee" (Poppi).

9.17: Tenor—Mr. Sam Duncan, (a) "Alice Where Art Thou?" (Ascher); (b) "At Dawning" (Cadman).

9.23: Instrumental—2YA Salon Orchestra, "The Chocolate Soldier."

9.31: Humour—Mr. Will Bishop will again entertain at the piano.

9.41: Soprano with quartette—Mrs. R. S. Allwright and Melodie Four, "Stay in Your Own Back Yard" (Udall).

9.45: Instrumental—Debroy Somers Band, "Lionel Monckton Memories."

9.53: Quartette—Melodie Four, "Funiculi Funiculi" (Denza, arr. Crowther).

9.59: Instrumental—2YA Salon Orchestra, dance novelties.

10.5: Programme of dance music, "H.M.V."

Fox-trot—Waring's Pennsylvanians, "Won't You Tell Me, Hon?"

Fox-trot—Rio Grande Band, "Dites Moi Ma Mere" (Yvain).

Fox-trot—Rudy Vallee and His Connecticut Yankees, "The Album of My Dreams" (Davis-Arluck) (EA629).

Fox-trot—Rio Grande Band, "Valentine" (Christine) (B5701).

10.12: Vocal—Maurice Elwin, "I've Never Seen a Smile Like Yours."

Fox-trot—Irving Aaronson and His Commanders, "Outside" (Flynn).

Fox-trots—George Olsen and his Music, "I'm in Seventh Heaven" (De Sylva), EA588.

Fox-trots—Rudy Vallee and His Connecticut Yankees, "Me Queres?" (Valee), EA620, "You Want Lovin'" (Osterman), EA649.

Waltz—Nat Shilkret and His Orchestra, "Let Me Have My Dreams" (Clarke, Akst), EA627.

10.30: Humorous duet—Dora Maughan and Walter Fehl, "A Woman Who Knows" (Ruskin), B311.

Fox-trot—George Olsen and His Music, "Little Pal" (De Sylva).

Fox-trot—Jack Hylton and His Orchestra, "Everybody Loves You" (Dubin Little), B5651.

Fox-trot—Rudy Vallee and His Connecticut Yankees, "Lonely Troubadour" (Klenner).

Fox-trot—Nat Shilkret and His Orchestra, "Am I Blue?" (Clarke, Akst), EA627.

10.45: Vocal—Paul Oliver, "Evangeline" (Rose, Jolson), Zono. EE172.

Fox-trot—Jack Hylton and His Orchestra, "Don't Hold Everything" (De Sylva), B5651.

Fox-trot—Rudy Vallee and His Connecticut Yankees, "Perhaps" (Razaf), EA629.

Fox-trot—Rudy Vallee and His Connecticut Yankees, "On the Alamo" (Kahn), EA620.

Waltz—Jack Hylton and His Orchestra, "Let Me Dream in Your Arms Again" (Nicholls), B5696.

11.0 : Sporting results.

11.10: God Save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES), SATURDAY, MAY 3.

8 p.m.: Running description of boxing match, Sarron v. Donovan, on relay from 4YA, Dunedin.

4.25: Sports results.

4.30: Close down.

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

6.0 : Dinner session—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.

6.13: Tacet.

6.15: Hawaiian—Hilo Hawaiian Orchestra, (a) "Kawaihan Waltz" (Kela-lai); (b) "My Hula Love," B2799.

Medley waltz—The Troubadours, "Popular Songs of Yesterday."
Cello—Pablo Casals, "Le Cygne" (Saint-Saens), DA776.

6.27: Tacet.

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

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.

7.30: Sports results.

8.0 : Chimes. Vaudeville and dance programme.

8.1 : Overture—Rate da Costa Ensemble, "Funny Face" (Gershwin).

8.9 : Joyous songs at piano with ukulele, the Joyous Pair, (a) "Lovable and Sweet" (Levant); (b) "When My Dreams Come True."

8.16: Trumpet novelty—Bob Effros, "Tin Ear" (Effros-Wall), Bruns. 4620.

8.19: Popular song—Mr. Leslie Stewart, "Ten Thousand Years from Now."

8.23: Violin—Miss Irene Morris, "Boat Song" (Ware).

8.26: Humorous sketch—The Sparklets, "The Busy Bee" (MS.).

8.36: Instrumental—Christchurch Broadcasting Trio, "Trio in D. Allegro, Moderato, Andantino and Rondo" (Carl Bohm).

8.46: Novelty tap dance—Bill Robinson, "Doin' the New Low Down."

8.49: Humour at the piano—Mr. Jock Lockhart, "And So Say All of Us."

8.54: Orchestral—Colonial Club Orchestra, "Hollywood Revue Medley."

8.58: Weather report and announcements.

9.0 : Organ—Lew White, (a) "Honey" (Whiting), Bruns. 4386.

Male trio—Burnett's Biltmore Trio, "With a Song in My Heart."

9.6 : More joy songs at the piano with ukulele, the Joyous Pair, (a) "Am I Blue?" (Akst); (b) "Button Up Your Overcoat" (De Sylva).

9.13: Violin—Miss Irene Morris, "Poeme" (Fibich).

9.17: Popular songs—Mr. Leslie Stewart, (a) "It's Home to Me" (Eugene Lockhart); (b) "Pokarekare" (Alfred Hill).

9.23: Novelty tap dance—Bill Robinson, "Ain't Misbehavin'" (Brookes).

9.27: Humorous sketch—The Sparklets, "At the Dog Show" (MS.).

9.34: Instrumental—Christchurch Broadcasting Trio, (a) "Spring Song" (Mendelssohn); (b) "Softly Awakes" (St. Saens); (c) "Three Four Valse" (Coleridge-Taylor).

9.44: Organ—Lew White, "Blue Hawaii" (Schuster) Bruns. 4386.

9.50: Scottish song at the piano with patter, Mr. Jock Lockhart, "I'm Looking for a Bonnie Lass" (Lauder, arr. Lockhart).

Male trio—Burnett's Biltmore Trio, "Steppin' Along" (Kernell).

9.55: Orchestral—Colonial Club Orchestra, "On With the Show" (Akst).

Dance music until 11 p.m.—"Brunswick" hour.

10.0: Fox-trot—Red Nicholls and His Five Pennies, "I May Be Wrnog."

Fox-trot—Bob Haring and His Orchestra, "How Am I To Know."

Fox-trot—Irving Mills and His Hotsy Totsy Gang, "Can't We Get Together?" (Razaf) (4482).

Fox-trot—Ben Bernie and His Hotel Roosevelt Orchestra, "Bottoms Up" (Friend-White) (4516).

10.12: Vocal—Chester Gaylord, "Sing a Little Love Song" (Conrad—Gottler).

Fox-trot—Colonial Club Orchestra, "When You're Counting the Stars Alone" (Russell-Rose) (4517).

Fox-trot—Ray Miller and His Orchestra, "Moonlight and Roses."

Fox-trot—Irving Mills and His Hotsy Totsy Gang, "Sweet Savannah Sue" (Razaf) (4482).

Waltz—Carter's Orchestra, "On Miami Shore" (Le Baron) (4471).

10.27: Male duet—Billy Murray and Walter Scanlan, "The Whoopee Hat Brigade" (Siegel Jaffe) (4513).

Fox-trot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "If I Had a Talking Picture of You" (De Sylva) (4501).

Fox-trot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Doin' the Boom Boom" (Gottler) (4502).

Fox-trot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Sunnyside Up" (De Sylva) (4501).

Fox-trot—Dan Russo and His Oriole Orchestra, "Because You Said I Love You" (Sanders) (4502).

Waltz—Carter's Orchestra, "A Little Love, a Little Kiss" (Ross).

10.45: Male duet—Billy Murray and Walter Scanlan, "Last Night Honey."
Fox-trot—Red Nicholls and His Five Pennies, "The New Yorkers."
Fox-trot—Colonial Club Orchestra, "The Boomerang" (Rose) (4517).
Fox-trot—Ben Bernie and His Hotel Roosevelt Orchestra, "Bigger and Better Than Ever" (Friend) (4516).
Waltz—Roy Fox and His Montmartre Orchestra, "I've Waited a Lifetime For You" (Goodwin) (4495).

11.0: God Save the King.

4YA, DUNEDIN (650 KILOCYCLES),—SATURDAY, MAY 3, 1930.

3.0: Chimes. Sports broadcast: Sarron v. Donovan boxing match.

4.25: Sporting results.

Dinner music, "H.M.V." Hour.

Piccadilly Orchestra, (a) "My Beloved Condolier" (Tibor), (b) "Souvenir Di Carpi" (Bece) (B2575).

New Light Symphony Orchestra, "Just a Memory" (De Sylva).

Violin and kinema organ, Elsie Southgate, "I Hear You Calling Me."

6.12: Tacet.

6.15: Waltzes—Marek Weber's Orchestra, "Pot Pourri of Waltzes."

Waltz—Hilo Hawaiian Orchestra, "Sweet Hawaiian Dream Girl."

6.26: Tacet.

6.30: New Light Symphony Orchestra, "Scene De Ballet Marionettes."

Violin and kinema organ, Elsie Southgate, "Rose in the Bud."

New Light Symphony Orchestra, "Persiflage" (Francis) (B2754).

Jack Hylton's Orchestra, "When the White Elder-tree Blooms Again."

6.44: Tacet.

6.45: Salon Orchestra, "My Blue Heaven" (Whiting) (EB18).

Waltz—Hilo Hawaiian Orchestra, "Sleepy Honolulu Town" (Earl).

Jack Hylton's Orchestra, "I Kiss Your Hand, Madame" (Erwin).

6.56: Tacet.

7.0: News session.

8.0: Chimes.

Relay of vaudeville programme from 3YA, Christchurch.

Dance session, "H.M.V." Hour.

Fox-trot—Rhythmic Eight, "Don't Be Like That" (Gottler).

Fox-trot—Jack Hylton's Orchestra, "Sweetheart of All My Dreams."

Fox-trot—Arcadians Dance Orchestra, "Pokee-okee-oh" (Butler).

Fox-trot—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."

Fox-trot—George Olsen's Music, "I'm Bringing a Red, Red Rose."

Fox-trot—Nat Shilkret's Orchestra, "One For All, All For One."

Fox-trot—Heidi's Orchestra, "I'm a Ka-razy For You" (Jolson).

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

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

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

Fox-trot—George Olsen's Music, "Come West, Little Girl, Come West."

Fox-trot—Nat Shilkret's Orchestra, "I'm Thirsty For Kisses, Hungry

For Love" (Davis) (EA528).

Fox-trot—Nat Shilkret's Orchestra, "Some Sweet Day" (Shilkret).

Fox-trot—Waring's Pennsylvanians, "My Mother's Eyes" (Gilbert).

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

Fox-trot—"Kassels in the Air," "He, She and Me" (Newman).

Fox-trot—Park Central Orchestra, "Sally of My Dreams" (Kernell).

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

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

11.0: God Save the King.

Sunday, May 4

1YA, AUCKLAND (900 KILOCYCLES), SUNDAY, MAY 4.

3.0 : 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. Matthew's Church. Preacher:

Canon Grant Cowan; organist, Mr. J. H. Philpott.

8.30: (approx.): Orchestral—Royal Philharmonic Orchestra, "Summer

Night on the River" (Deliuss), Col. 03632.

Contralto—Miss Phyllis James, (a) "Rain" (Curran), (b) "Thank

God for a Garden" (Del Riego).

Instrumental—The Studio Trio, "Elegy from Trio in D Minor."

Vocal duet—Mrs. Laetitia Parry and Miss Phyllis James, "A Cradle

Song" (Chapman).

Piano—Mr. Eric Waters, "Four Little Poems" (McDowell).

Male Quartet—The Salisbury Singers, "When for the World's Re-

pose" (Mornington), Col. 01475.

Instrumental—The Studio Trio, "Three Miniatures" (Bridge).

Soprano—Mrs. Laetitia Parry, (a) "Open the Gates of the Temple"

(Knapp), (b) "Will He Come?" (Sullivan).

Piano—Mr. Eric Waters, "Les Barrisades Mysterieuses" (Couperin).

Vocal duet—Mrs. Laetitia Parry and Miss Phyllis James, "On Wings

of Song" (Mendelssohn).

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

9.30 (approx.): God Save the King.

2YA, WELLINGTON (720 KILOCYCLES), SUNDAY, MAY 4.

2 p.m. to 4.30 p.m.: Afternoon session.

6.0 : Children's song service, conducted by Uncle George, assisted by the Church of Christ Sunday School Choir.

7.0 : Relay of service of St. Gerard's Redemptorist Church. Order of service:

Organ—"Ave Maria (Luzzi).
Rosary with choral responses.
Antiphon—"Regina Coeli" (Witzska).
Sermon—Rev. Father T. O'Connor, C.S.S.R.
Hymn—"Hail, Queen of Heaven" (traditional).
Motets—"Angelus Domini" (Oakes, arr. Mount).
"O Salutaris" (Steinforth).
"Tantum Ergo" (Murray).
"Divine Praises" (Oakes).
"Adoremus in Aeternum" (Barratt).
Organ—"Finale in A Flat" (Rinck).
Organist—Mr. H. Mount.
Choirmaster—Mr. Frank J. Oakes.

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

3YA, CHRISTCHURCH (980 KILOCYCLES), SUNDAY MAY 4.

3 p.m.: Afternoon session, gramophone recital.
4.30: Close down.
5.30: Children's song service, by children of Presbyterian Sunday schools.
6.15: Chimes from the Studio.
6.30: Relay of "The Jubilee" (evening service) of Knox Presbyterian Church. Preacher: Rev. George Budd (Moderator of the General Assembly). Musical director, Mr. A. G. Thompson; organist, Miss Olive Butler, A.T.C.L.
7.45: Selected items, gramophone recital.
8.15 (approx.): Relay of concert programme from 4YA, Dunedin.
9.30: Close down. God Save the King.

4YA, DUNEDIN (650 KILOCYCLES), SUNDAY, MAY 4.

3 p.m.: 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 First Church. Preacher: Rev. Stevely. Organist: Dr. Galway.
7.45: John Barbirolli's Chamber Orchestra, "Symphony No. 2 in D Major."
8.9 : Utica Jubilee Singers, "Leaning on the Lord," "Balm in Gilead."
8.15: Studio programme presented by Salon Orchestra, under direction of Mr. A. H. Pettitt, assisted by Mr. J. E. Davies, tenor; Miss Mary Teviotdale, contralto; Miss Molly Vickers, mezzo-soprano.
Overture—Salon Orchestra, "Athalie" (Mendelssohn).
Salon Orchestra, "Adagio Lamenoso" from "Symphony in B Minor."
8.30: Contralto—Miss Mary Teviotdale, "Life and Death" (Coleridge-Taylor).
8.34: Male Choir—Don Cossacks, "Monotonously Rings the Little Bell."
8.38: Selection—Salon Orchestra, "Barber of Seville" (Rossini).
8.45: Tenor—Mr. J. E. Davies, "If With All Your Hearts" (Mendelssohn).
8.51: Gavotte—Salon Orchestra, "Bells of Ouseley" (Hume).
8.55: Mezzo-soprano—Miss Molly Vickers, "Lord of Our Life" (Dickson).
8.58: Weather report.
9.2 : Tone poem—Salon Orchestra, "Finlandia" (Brechtkopf).
9.7 : Contralto—Miss Mary Teviotdale, "Wanderer's Night Song."
9.11: Male Choir—Don Cossacks, "Song of the Volga Boatmen" (tradl.).
9.15: Selection—Salon Orchestra, "Entry of the Boyards" (Mendelssohn).
9.19: Tenor—Mr. J. E. Davies—"Consider and Hear Me" (Wooler).
9.22: Suite—Salon Orchestra, "Petite Suite" (Tschaikowsky); (1) In the Troika; (2) Nocturne; (3) Valse Creole.
9.28: Mezzo-soprano—Miss Molly Vickers, "Thanks be to God" (Dickson).
Valse—Salon Orchestra, "Blue Danube" (Strauss).
9.34: God Save the King.

Wellington Society

Power Interference

THE monthly meeting of the Amateur Radio Society of Wellington was held in the Cambridge Terrace Congregational schoolroom on Tuesday evening, April 8. Mr. Byron Brown, president, occupied the chair, and there were about 40 members present.

The hon. secretary, Mr. A. G. H. Laws, reported that in accordance with a motion passed at the previous meeting he had written to the P. and T. Department concerning the complaint of a member of the society regarding serious interference from some electrical source near Daniell Street, Newtown.

The following reply was received from the District Radio Inspector: "I have to inform you that the complaint was made the subject of investigation during November last. It was then found that the interference was due to proximity to the tramway system, and not to any power leakage from overhead electric lines.

are Columbia 04835 and H.M.V. D.Z. 261. On the former the well-known artist Maria Kurenko, soprano, is heard to advantage. Her fully matured and rounded voice is a delight, and this number is a fine exhibition of her ability. She sings an excerpt from "Faust" on the other side, and this is even better than the "Madam Butterfly" selection. Here there are many delightful warbling passages.

The H.M.V. record is made by the world-famous soprano, Galli Curci, whose art it is impossible to describe adequately. The sheer brilliance of her voice make many of the passages of "One Fine Day" memorable. It is a magnificent exhibition of her talent and a record which should have a very wide appeal.

"O Star of Eve."

THIS is presented from 4YA as a bass solo, but it is obtainable in Columbia only, as a baritone solo by Harold Williams. The other selection on this record (02835) is the "Lute Player." Both selections are well sung and admirably recorded, the fullness of the artist's strong voice being brought out to perfection.

Colourful Orchestral Music.

A FAVOURITE of at least 2YA is "Voices of Spring," and with "Vienna Blood" on the other side, both selections being played by the Berlin State Orchestra. These are new electric recordings, and are outstandingly brilliant. The theme of "Voices of Spring" is a lilting melody carried by the first violins to the marked rhythm of the bass until there is a definite change in tempo and several instruments in turn take the theme, returning it to the violins to lead up to the finale. It is a perfectly balanced work, well recorded. "Vienna Blood" is equally fine. Imagine a harmony of more than a score of violins to the soft accompaniment of the deep instruments leading up to the air in the middle of the record where they are left by the bass to soar into the uppermost registers, and this is the characteristic of "Vienna Blood."

"Inquiries made from the city corporation tramways department elicited the information that work on the lines in that area was in progress, and improvement might be effected on completion.

"The matter is one which is still receiving attention."

The member of the society who complained of the interference stated that although there was now no work on the tramway lines now in progress in that vicinity the trouble was still frequent at nights. The interference was continuous.

It was decided to forward a copy of the District Radio Inspector's letter to Mr. M. Cable, of the tramways department.

A serious type of interference due to a tramway switch signal in the Thorndon area, reported at the previous meeting of the society, the hon. secretary stated, had been the subject of a letter to the tramways department.

The following letter was received from the assistant general manager of the tramway department: "In reply to your letter of February 12, I beg to inform you that the copper banding of the tram rails in the locality complained of has been tested and found to be perfect. As the duplication of the tramway track in Park Street and Grant Road as far as Newman Terrace will be linked up early next week, signals on that section will then be removed and if this has been causing radio interference, it should then disappear."

A member reported that considerable interference with broadcast listening had been experienced through Morse being transmitted during broadcasting hours. This was endorsed by others. The following motion was carried:—"That the Navy Office be written to complaining of interference to broadcast listening by the warships in port at Wellington during broadcasting hours."

Shortwave Receiver.

THE remainder of the evening was devoted to a lecture on "Short-wave Receiving Sets," by Mr. L. H. Wright, who by means of blackboard diagrams gave an interesting explanation of the various shortwave circuits. Mr. Wright also explained the circuit for a simple shortwave adapter for use with an ordinary a.c. broadcast receiving set. Several questions were asked and answered, and at the conclusion Mr. Wright was accorded an enthusiastic vote of thanks.

S.O.S

TRAVEL IN COMFORT BY CAR

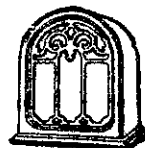
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Records of the Week

(Concluded from Page 7.)

by Edouard Commette, a renowned French artist, in the St. Jean's Cathedral, Lyons. The air, principally in the intermediate, bass gradually builds up till it reaches a grand finale at the end of the record. Electrically made, this record can be well brought out in the electric gramophone. On the other side is Gigout's "Toccata."

The treble is the stronger, but there is a marked very deep bass swell that gives the selection an air of majesty. (Columbia 02782.)

THE other selection comprises the bracket played from 4YA, "Jesus, Joy of Man's Desire." On Columbia it is recorded as a piano solo and on H.M.V. as a choral item.

"One Fine Day."

THIS is an old favourite, and there exist of it several fine records. Probably the finest soprano recordings

The only Valve with the wonderful P.M. Filament. Gives longer life — more power — greater volume.

Mullard
THE MASTER VALVE



Whither is Electricity Leading Us?

EXAMPLES of the power of thought have doubtless startled most of us at some time or other, and the interesting experiments recently conducted by Dr. Edmund Jacobsen go to prove the value of people in their thousands thinking and willing for peace, for progress, or for the attainment of other ideals. He finds that two million people, linked together by a reaction to the same idea generate sufficient electric energy to light an ordinary incandescent lamp. His theory is that in the merest of ideas there is neuro-muscular action, capable of being measured by the amount of voltage produced.

Dr. Jacobsen has devised a string galvanometer, an instrument so sensitive that it will detect the millionth-part of a volt of electricity, and by its aid and that of a stethoscope, it is now possible to both hear and see oneself think.

Electrodes, capable of detecting the slightest change in the electrical potential accompanying any muscular tension, were sealed to the subjects' right biceps, forming a connection to the galvanometer, on which was a quartz string, one hundred thousandth-part of an inch thick.

Each subject in the test agreed to imagine only, at a prearranged signal, that he or she was flexing the right arm; two-fifths of a second later a motion-picture camera recorded the vibration on the quartz string. The subject was given a signal to stop imagining, and a fraction of a second later the shadow of the quartz string lapsed to quiescence. One subject states that she not only saw herself think by watching the vibration of the string but was able to hear herself by listening through a stethoscope connected with an amplifier. Fortunately, the records of the camera remain, or we fear some would consider even the result of the experiments to be no more than imagination.

What We Women Think

THAT women are more electrically-minded than is generally supposed is a conviction arising from the perusal of the vast number of entries recently sent in for the washing-machine competition.

Many make a point that menfolk are quick to take advantage of the labour-saving attributes of electricity where their own occupations are concerned, and consider that women are entitled to do the same. Since what Woman (individually and collectively) wants she usually succeeds in getting, we look forward to the realisation of the all-electric home as being not so far in the distant future, as we have hitherto imagined.

Our Poem Competition

THE prize of Half-a-Guinea this week is awarded to "Becky" for "Two Little Boys," which is lilted and gay and sweet. The average of work was not as high as in previous weeks, and we select no others for special commendation.

"I.S."—Your invocation to the blackbird lacks that something which would make it worth while. Study the Victorian poets for this kind of verse, and then have another try. John Storm sends three sweet, small verses. "Sardonyx's."—We like your joyous little ode anent love's young dream.

Helen Ross.—A pleasant episodic domestic ditty. Marriage is not always a failure after all!

"South Pole."—Balderdash, intermixed with Billingsgate.

"Chloe."—Read Meredith's "Tale of Chloe," and mend your literary ways.

"Gisborne."—A garden is a lovable place, we've been told long ago on high authority, but your enumeration of its beauties needs considerable pruning, though the lines hold some degree of beauty.

"Ajax," also, sings of the garden, and does it quite well, too, for a sixteen-year-old.

"L.L."—We like your lilted lullaby.

"Rastus."—Very slight, and hardly poetry, but of an admirable brevity.

"Caversham."—A sentimental plaint, and an unmusical one.

"Daughter of Erin."—You say it with Blarney indeed!

"Stardust."—An over true tale, no doubt, but a dull one.

Two Little Boys

*Two little boys so plump,
Out from the bedclothes jump,
Rosy and cosy,
And fine.*

*Two little playmates gay,
Playing so hard all day,
Tricky, and sticky
With grime.*

*Two little faces bright,
Ready for fun or fight,
Chubby, and grubby,
But Mine.*

*Two little touselled heads,
Ready for baths and beds,
Sleepy, and weepy,
But mine!*

—"Becky."

An Engineer and a President

HERBERT C. HOOVER, thirty-first President of the United States, is proud to be a member of the engineering profession and the engineering profession is proud of President Hoover.

Starting life from humbler beginnings than do most presidents and under real handicaps, those who were associated with him in his early days honour him most for the manly way in which he overcame those obstacles on his road to fame.

Beyond the feeling of pride in his great achievements, there is a special pride and satisfaction felt, that both in technical and public work, he has conducted himself with the dignified, scientific, and unselfish attitude, which engineering training and ideals seek to instil.

His demonstrated capacity to meet unexpected situations with positive action, and to know no satisfaction short of successful achievement caused his entry into the realm of national business and administrative effort to be a matter for continued world-wide congratulation.

A Huge Undertaking

A BIG and interesting undertaking, involving the establishment of hydro-electric works in the Sounds district, is being considered by an American company, and a party of surveyors under Mr. H. P. Gibbs, of New York, left Invercargill last week for Doubtful Sound in connection with the project. The party has already spent some time at Lake Manapouri, and will carry out survey and exploration work between Deep Cove and the lakes.

The company, known as the American Cyanide Company, obtained an option in January, 1926, from the New Zealand Hydro-Electric Company, for the purchase of the latter's concessions, and the project contemplates the development of 250,000 h.p., using the waters of Lake Manapouri and Te Anau by means of a 6½-mile tunnel terminating in pipe lines at Deep Cove, Doubtful Sound. Works would be erected here for obtaining electro-chemical products involving the extraction of nitrogen from the atmosphere.

The undertaking, it will readily be seen, is one of a large dimension, and if New Zealand labour is enlisted, we shall wish our American cousins all success.

Trials in Tact

First Series Competition Results

SAVOIR-FAIRE announces the results of the "Trials in Tact" Competition as under:—

FIRST PRIZE, £2/2/- MRS. MASON

SECOND PRIZE, £1/1/- "A TRIER."

THIRD PRIZE: To be decided between FIAT PAX,
MISS N. JOHNSTON and SENGAL (tie).

Will the three competitors who have tied for third place please "play it off" by sending in their solutions to the following problem; Savoir-Faire's decision to be accepted as final.

Special Problem.

MRS. A. is staying on a long visit with Mrs. B. in a country town. At Mrs. B.'s house, Mrs. A. meets Mrs. C., a comparative newcomer to the neighbourhood. After being out one morning, Mrs. A. comes in and remarks to Mrs. B.: "Oh, I met Mrs. C. this morning, and she has asked me to go to tea at her house on Thursday." When Mrs. A. returns on Thursday afternoon, Mrs. B. enquires: "How was Mrs. C.?" Mrs. A. replies: "Oh, quite well, but very disappointed that you did not go. The first thing she said was, 'Where is Mrs. B.?' I forgot to tell you the other morning that she asked you, too, so I said this afternoon that you were too busy to get away." What should Mrs. B. say or do, or say and do?

For solution by Fiat Pax, Miss N. Johnston and Sengal only.

Answers to be postmarked not later than May 1, 1930.

The following is a summary of marks gained by all competitors over the whole period of ten weeks:—Mrs. Mason, 48; A Trier, 39; Fiat Pax, Miss N. Johnston and Sengal, 38; Jean, Te Puke, Natural, and Priscilla, 37; Radex, 35; Clara, 32; Anon, Bonza, Duplex, Ginger, Zenobia, 31; Kummel, Lucid, Pumpkin, Verity and Yum-yum, 30.

Under 30 and over 20: Apple-pie Mary, Deerfoot, Equity, Frances, Grace, Haven, Irene, Jonquil, Listener-in, Myra, Mayflower, Michael, Nomen, Olivia, Query, Radio, Rosa, Scylla, Summit, Thames, Tuner, Topaz, Undine, Viola, Wynward, Weaver, Xylonite, and Xerxes.

Under 20 and over 10: Miss Rachel Baker, Miss Rhoda Green, Kia Ora, and V.L.A.

10 Marks and under: Absolve meam animam, Arabella, Aussie, Azure, Floor-board, Fairy Godmother, Fanny, Freckles, Leon, M.A.B., Mary, Nintz, Only Me, Pact, Patience, Phillipa, R.V.S., Mrs. Watson and X.L.

Some of the competitors with the lower scores, of course, only started towards the end of the series, and in many cases scored high marks for the solutions sent in.

Cheques have been forwarded to first and second prize-winners, 10/6 to Miss Rachel Baker for Problem No. 5, adjudged the best sent in during the series, and 5/- each to Miss N. Johnston, Ginger, Mrs. L. G. Neilson, Mary, Natural, Fiat Pax and Sue for their published problems.

Judge's Comments.

AT the risk of reiteration, I must again comment on the pleasure I have received from the numerous letters from competitors, stating how much this little feature has been enjoyed. One writer goes so far as to say that the various A's, B's and C's have developed into household friends, and that the first thing that she and the members of her family do upon receiving the paper, is to turn to the "Trials in Tact" page, to see what further troubles have befallen their friends. Another writer considers the competition instructive as well as entertaining, and yet a third one declares that the practice in dealing with these problems is giving her confidence in dealing with daily happenings—and so on. For my part, I look forward each week to the opening of the solutions, and feel that I am beginning, in many instances, to know the personalities, although not the identities, behind the pseudonyms.

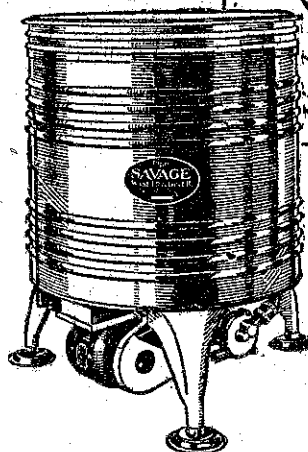
The first prize-winner, Mrs. Mason, is to be congratulated greatly on her high score, 48 out of a possible 50! For some time, it looked as though she would continue to score full marks throughout the series—indeed that she could do no wrong—but on two occasions the little left unsaid or left undone just caused her to fail to win full marks. One is left wondering if Mrs. Mason is ever caught at a disadvantage. I feel sure that if by any chance she were, she would be clever enough to turn the tables.

The second prize-winner's score is also a very creditable one, averaging practically four marks for each problem. Signing herself "A Trier" she attains a very high standard, and tries to some purpose. Our hearty congratulations to you, also, "A Trier."

Immediately behind come three competitors tying for third place. The third prize was considered too small to divide, so it was thought that the "sporting" way would be for the three concerned to tackle another problem between them, and we hope they will think so, too.

Many competitors who won high marks for particular solutions failed to achieve a corresponding total score, owing to their not beginning to compete until late, or to their missing a problem here and there. It is worth while, therefore, both to begin with the first of the series, and, once started, to persevere in spite of an occasional failure.

Only the Savage
Wringerless can
bring you "Spin-
Rinse, Spin-Dry"



The Weather cannot defer Savage Washdays

LET it rain or snow! The modern housewife relies on her Savage Wringerless Washer & Dryer to make her independent of weather (or engagements).

The Savage is one washer that spin-rinses, spin-dries entire loads of washed clothes at a time, to just the desired degree of dampness for ironing. Thus it is unnecessary to hang up the finished pieces if you wish to iron immediately.

This exclusive Savage feature "Spin-Rinse, Spin-Dry" ends all wringing, all hand-rinsing all handling of individual pieces of the wash or the machine between operations. It cuts the time of laundering to minutes instead of hours.

We will gladly demonstrate at your convenience.



SAVAGE WASHER & DRYER

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 Pl.

Dunedin: British Electrical & Engineering Co., Ltd., 60 George Street.



New Zealander's Success

THIS reference to a former Wellington girl who has become prominent abroad will be of interest: Miss Marie Fix, who is now Miss Marie Ney, first achieved prominence in the Wellington Competitions Society's Festival—well, I won't say how many years ago—and is now prominent in London theatres. Just before Christmas she was appearing in "Beau Austin," and drew the following comment from Ivor Brown, a well-known critic: "Miss Marie Ney achieves the miracle of making sincerity flash from the sentimental verbiage given to Dorothy, and gives to tushery the emotional quality of tragedy." The play in which Miss Ney made this appearance is a reversal to the elaborate courtliness and stilted diction of the time of the Regency. "Other times, other manners," and the action, unfolding itself amid ornate and elaborate stage effects, concerns itself mainly with the adventures of Beau Austin, reformed rake and man of honour, who, with much picturesqueness of dress and diction, ultimately makes an honest woman of his penitent light-o'-love.—Annabel.

Quite Moving

THE excellence of a moving-coil loud-speaker is vouched for by an overseas paper, which states that a postman, handing the letters to the maid at the door of a London house recently, overheard agonised soprano accents from Covent Garden Opera House, and, indicating the drawing-room with his thumb, inquired in a sympathetic whisper: "Does she carry on like that every evening?"—Jean.

"Lucky Islanders."

TOO bad that we haven't growing in New Zealand a plantation of tropical pawpaw trees. The natives of the Pacific Islands wrap their beefsteaks in the palm-like leaves, and in a few hours an otherwise tough steak is rendered quite tender. I have seen natives of Fiji boiling the fruit with pork, and an inquiry made of one dusky cook resulted in his grinning reply, "Pawpaw makim chew easy." The pawpaw fruit, I have been told by many Islanders, is capable of digesting 200 times its own weight of starchy food. Truly, it is a great pity we can't grow pawpaw.—"Mammer."

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 rates. All matter must be BRIEF, good matter constantly is rejected because of this, 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.

Between Ourselves

THE drapery sales were in full swing and I had bought what I prided myself was a great bargain in the shape of a smart little fuji jumper for 10/6. I also bought several oddments at letter prices, and, on arriving home unpinned the sale tickets and gave them to my little four-year-old daughter to "play shops" with. A few days later, I donned the jumper, and drove into our local country town to do some shopping for the week-end. Why was it, I wondered, that so many people grinned and nudged one another as I passed along the street? It was not till I caught a glimpse of my back view in a shop window that I realised what had happened. My little girl had pinned a large sales ticket on to the back

of my jumper: "Slightly soiled. Bargain price, 1/6."—"Puawhananga."

Vigorous and Brief

THE quotation recently from a speech by Miss Lawrence upon the possibility of war prompts me to quote a vigorous, though brief, pen picture of this lady from the political columns of the "Saturday Review." In reporting a debate in the House of Commons on a health subject, the writer in the "Saturday Review" said: "And Miss Lawrence, for all her massive intellect and oratorical gifts, adds to debate little 'joie de vivre' as, rubbing her hands with almost ghoulish glee, her deep and hollow tones echo round the House like the voice of a banshee in a vault." Miss Lawrence possesses, ac-

cording to reports, quite a masculine mind. She has a background of the law, and has inherited definite capacity in legal expression and ability for debate.

A True Friend

I TOUCH the switch, and in walks the best of friends. He says for my pleasure, goes at my bidding, and returns at my call.

A real friend, typically British, too. He tells all about the weather and sport. Are you a farmer? He has a good word for you. A housewife? He knows everything about food prices.

There follows a sedative on the foundations of music, or a cheery note on the gramophone, and his great moment has arrived—a talk (good traveller's yarns sometimes), a concert, male voice singing, and vaudeville.

Something for Everybody.

OF science, too, he discourses freely. Would you fly an aeroplane? He tells how it is done. Make glass bottles? He knows all about it. A dog's reasoning powers? He knows all about them. But food 'orm sees him at his best. Vitamins, conditional reflexes, flow like a torrent. Would you live and be well? Then mix your diet or take your proteins raw; for the baby he says milk, and more of it; while he can be heard chuckling all the time—a Puck among the Dons.

Music? Jazz, solos, opera light and heavy, songs, xylophone, he wields them all; a good melody from Gay or Purcell or Sullivan, a fairy world of melodious delight, and when he calls on Sir Walford Davies the unity of low and highbrow is completed in Beethoven. What an achievement!

Yet he is a waggish fellow, and off down the valley of ugly discords he trots with Vinsky or Oskey or a young English composer! Very trying! Then may come chamber music, duller symphony, and even on Sunday some of these things. Your gorge rises and you turn him out, wondering why he does not keep them all in his musical laboratory, there to mature for the future. But here comes a bright band and a good march, so he is again admitted.

Still, with all his faults, I love him, and I go to bed with a "Good-night, everybody. G-o-o-o-o-d-night."

"Yesterday I saw a pianist in the music-hall who played with his toes."

"That is nothing. My six-months-old baby does that in his sleep."

The Major's Daughter

There was Spring in the air and blue skies above
When to Dublin Town he brought her,
And half the Regiment fell in love
With the Major's youngest daughter.
She had ears like shells from a sea-king's cave
And eyes as blue as the water.
Dainty as foam on the crest of the wave
Was the Major's youngest daughter.
Shure, brown was her hair as rocks on the hills,
Nor heeded it wind nor weather;
And soft her voice as the rippling rills
That laugh their way through the heather.
Her teeth were white as the moonbeam stone,
Her cheeks were brown as a berry.
Och, what could a man do when alone
With lips as red as a cherry?
Her tongue was long as the road to Cork.
I'll wager 'twas not much shorter—
I heard of that kiss till, tired o' the talk,
I married the Major's daughter.

—"Sardonyx."

Results of Washing Machine Competition

Many Splendid Entries

WINNER:—

Miss E. Cargill, Waitawa, Tycho R.M.D., Timaru.

FIVE £1 ORDERS:—

Mrs. W. S. Greenslade, Mayfield, via Ashburton.
Mrs. R. D. Donald, "Lakeview," Irwell Rural Mail, via Christchurch.
Mrs. A. McKenzie, 70 Ayers Street, Rangiora.
Mr. D. Crispin, Box 37, Feilding.
Mary Margaret Macdonald, P.O. Box 12, Papakura.

TEN 10/- ORDERS:—

Mrs. W. A. Fountain, Homeview Rd., Henderson. Mrs. L. Goodsall, P.O. Peebles, via Oamaru, S.I. Mrs. W. E. Baker, Makino, Feilding. Mrs. D. Jones, Box 22, Kelvin Grove, via Palmerston North. Mrs. J. R. Haseltine, "Kohanga," Mitcham Rd., Winchmore Rural Delivery, Ashburton. Mrs. H. N. Armstrong, 129 Tancred St., Ashburton. Mrs. A. M. Scott, Dalefield, Carterton. Miss M. L. Herd, Hobsonville, Auckland. Mrs. Mary Pascoe, 6th Avenue, Tauranga, Bay of Plenty. Mrs. Sam Irving, Albury, South Canterbury.

IN making his decision, the judge, Mr. A. J. Heighway, said:—"This competition reached a very high standard indeed. Very nearly 1000 entries were received, and the great bulk showed extremely close study of the advantages of an Electric Washer and a full appreciation of the merits of such a machine. Decision was reached only after a very close and exhaustive study of all entries and a detailed process of elimination. The winner secured the verdict by reason of her comprehensive enumeration of the reasons why she would like an Electric Washing Machine in her home. The form in which she expressed her reasons was not taken into account in making the award, although it was distinctive. As announced beforehand, the human value and merit of reasons alone were considered. Competition for first place was keen and close, and it was the appreciation of the danger of fire in the 6th reason which saved the day for the winner. This is a point missed by many competitors, although noted by a few.

A notable feature of the competition was the high quality of entries received from Canterbury. This may be due to the fact that the Lake Coleridge scheme is the oldest in the Dominion, and, consequently, the advantages of electricity may be more appreciated in that territory; but whatever the reason, Canterbury stands out as the province giving evidence of being the most electrically-minded of all in this competition."

MISS CARGILL'S WINNING REASONS.

- (1) Saves time to do other things while the machine does the washing.
- (2) Saves labour of lifting and rubbing, till arms and back ache.
- (3) Saves money by economical running, costing less than firing to heat copper.
- (4) Saves space, standing in bathroom or kitchen, cutting out copper and tubs.
- (5) Saves sewing as garments last longer than when hand-rubbed on board.
- (6) Saves mess from splashes, puddles, steam, ashes and danger of fire.
- (7) Saves preparation, any day being washing day, and anyone can do it.

CHEERS!

The judge also wished the bright entry from Master R. Smith, Rimu Street, Wanganui, to be highly commended.

BECKY," a frequent and valued contributor to our columns, writes "Your 'Story of Washing' has set me thinking. I have a large family and besides having a regular washing-day, I am always washing out a few odds and ends every day. I suppose I spend fully one day in seven washing. This means one whole year in seven, so that by the time I am seventy—Heavens! It's time we found some easy means of accomplishing this necessary, wearing and ever-recurring task."

And "Becky" is only one of nearly a thousand women who sent in good reasons for wanting a washing-machine. To say nothing of the other thousands, up and down the country, who did not compete. Not seven only, but seventy good reasons, it seemed, could be found.

Fully alive, as we are, to the attributes to the electric washing-machine,

we confess we had not hitherto regarded it as inspiration for the poet, but it appears to be as provocative of poetry as the Springtime.

Another competitor, G.H.B., in a verse, entitled "Why Not?" tells her reasons for wanting a washing machine:—

*Why not a washing machine?
An electric one at that—
You'd be so glad when the clothes were clean,
And though your hubby may be mean,
A shilling for a washing-machine
Is less than for a hat.*

*Why not get an electric one?
'Tis better far than others,
For soon your washing would be done—
You'd have it early in the sun,
And you would never need to run;
You'd be such happy mothers.*

*Why not? and yet again, why not?
For sure you'd not regret it,
Quite soon you'd have the iron hot,
And time enough to do the lot—
Just seven reasons—have a shot,
And see if you can get it!*



Son's Birthday Dinner What the Small MOFFAT Cooked

Son:

Soup, Mum?

Mother:

Yes, Son, "Barley Soup," an old recipe from the Militia Garrison at Dundalk, where your father was stationed. Creme de l'orge on the French menu. Do you like it?

Son:

Rather, Mum! It is good!

Mother:

Next we have "Roast Pigeon"! Many years ago, I enjoyed an almost similar course when dining in Paris at the Cafe de la Paix. Becasse a la presse. The chef explained that one woodcock is placed above the other and as they roast, the juices of the top bird are pressed out over the second bird, and when cooked and served the meat is very sweet and delicate to eat.

With electric cooking it is unnecessary to use the most expensive method of squeezing the juices from a second bird, as the dry heating quite as successfully gives the same flavour.

Son:

Oh, Mum, it is nice!

Mother:

Next we have the solid dish, stuffed Pork Fillet. This is another Irish dish very often served in Cork and South of Ireland dinner tables. When more New Zealand families discover how nice Pork Fillets are when cooked electrically, well they will—

Son:

Oh, Mum, buy them all for us, they are nice!

Mother:

Here are, next, your favourite baked apples, but with a new flavour. Where the core of the apple is pressed out, I have sprinkled a new spice, and it will taste all the juicy fruit.

Son:

How nice, Mum!

Mother:

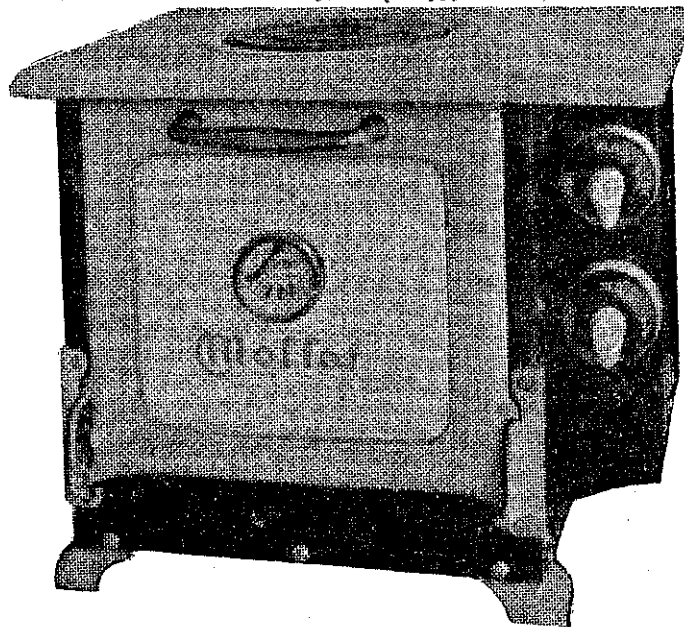
And finally, Egyptian coffee. It takes longer to make than all the other dishes. It is new to you, and you will remember this coffee always. It has such an exquisite taste.

Son:

It is wonderful, Mum. Such a splendid corker dinner.

Mother:

And many, many happy returns, Son.



The Small Moffat Range is made for Flats and Baches, where there are small families. Cooks as quickly as any cooking method. There are no fitting charges, if there is a heat point or iron point available. The Price Complete is £11/15/-

RECIPES

Are you in doubt about cooking Special Dishes, Birthday Cakes, Wedding Cakes, Easter Buns, etc? Address your inquiry to Son, c/o of our nearest branch office, and learn the modern Colonial ingredients and the way to cook electrically.

TURNBULL & JONES Ltd.

AUCKLAND, WELLINGTON, DUNEDIN, CHRISTCHURCH, HAMILTON.

Husbands, Listen a Minute!

NEW Zealand husbands are not coming very well out of this, it seems, unfortunately. There seems to be a feeling abroad that while they treat themselves fairly well in the matter of labour-saving appliances, they are slower to realise that women appreciate them too. This is what another competitor has to say about them:—

Arrived at Heaven's Gate, what'll you say

When St. Peter says to you, "Hey!
Did the missus have an electrical washer
As soon as the other folk down your road?"

And you'll say "Nope,"
And start telling of the row you heard,
And you'll make it sound mighty hard,
And St. Peter'll smile an angel smile,
And tell you "Shut up, Pard."

He'll say "And what of her pretty back,
Aching and awful stiff,
With bending and rubbing and messing
around,
To send you out clean and fresh.

And what of her poor old hands,
Cracked and blistered and smarting sore,
The way she'd cry quietly into the tub,
On a cold and frosty morning.

And what of the way she'd have to keep
bending down,
And throwing sharp, spiked logs of wood
into the dragon's maw.
Heavy they were and painful to handle,
With her hands all soft and defenceless
from the water.

Our New Competition

The Easter holidays, when many competitors would perhaps be away from home and consequently receive their paper late, was not considered a good time to start a fresh series, but immediately after the holidays, as indicated in last week's issue, it is hoped to continue this feature on the same or similar lines, probably in an enlarged form. I shall then look forward to seeing all the familiar hand-writings again, and also those, I hope, of many new competitors. My best thanks to you all for the pleasure, interest and appreciation you have evinced.—Savoir-Faire.

And the wild way, the boiling water
would come out at her, suddenly,
Like an octopus, shooting out its tendrils,
And the scalding burn it left on her back,
as it took her unawares,
And she stooping over the fire-door;
Or she'd be lifting the clothes out, one by
one, or two by two,
And just as she got a big, heavy sheet
poised,
It would shoot out a scalding tentacle,
and lash her sweet arm.

Heavens above! the risks that devoted
woman ran,
And all for no purpose if she'd a husband
Who thought half as much about her
comfort,
As she did about yours.

No pass to Heaven for you, me led,
You're for the Devil's laundry,
Where all the water's boiling
And all the clothes are black with soot,
And electricity isn't current. For why?
Because it's a perquisite of Heaven.

—Mrs. W. R. Brown, Pongaroa.

BUT not all men require convincing,
for there is the lament of the
bachelor, to whom our hearts go out.
He sends the following reasons:—

- (1) I am a bachelor and have to do my own washing.
- (2) At present my washing is very poorly done; (we believe him.)
- (3) My clothes do not last very long owing to rough usage.
- (4) I am always finding I have no clean clothes left.
- (5) My friends laugh at my attempts to wash.
- (6) My temper is not improving under the strain.
- (7) A washer would save all above. I could wash efficiently during breakfast.

REASON No. 5 leads us to suspect that he is a young bachelor, and to him we would say that the remedy for his complaint lies in his own hands. Home is no home without a wife. We

would suggest that he takes one unto himself, and should she prove the woman of parts, that we feel such a young man of parts would surely choose, we should not be surprised if before long, he is not the possessor of a washing machine also. Should he feel doubtful about his wooing, he might reverse the procedure, when we feel sure that the possession of a washing-machine would greatly aid him in winning a wife.

The mantle of Sir Harry Lauder (lang ma' it be ere it fau's) will surely find a resting place on the shoulders of "Tussock," who complains as follows:—

An electric washer for a bob,
Wi' a pickle wurd's thrown in
Ah read it in the paper
An' ah wuss we a' had yin.

It sheeps the claes a'roon an' roon,
It just daes a' the wark,
Sheets, towels, pilly-cases tae
An' Faither's byre sark.

Sae twirlin' roon an' roon' they gae
Nae maitter hoo they're s'iled,
It washes, sinds and dries them tae,
Nae need tae hae them b'iled.

Nae mir we'll stann o'er stemin' tubs,
Nae sair an' achin' back,
'Twill wash the claes up while we cook
An' feenish in a crack.

Mair time we'll hae tae mak an' mew
An' whiles to rest oor banes,
We wullin' dread the wash day then
Tho' we be a' oor lane.

Overcome the Drudgery of Washing Day

The Finest Labour Saving Device ever
Invented for Women is—

The **Thor** Agitator
New Washer

Combined with the THOR High Speed
Rotary Ironer you have a complete
laundry for the price of a Washing
Machine alone.

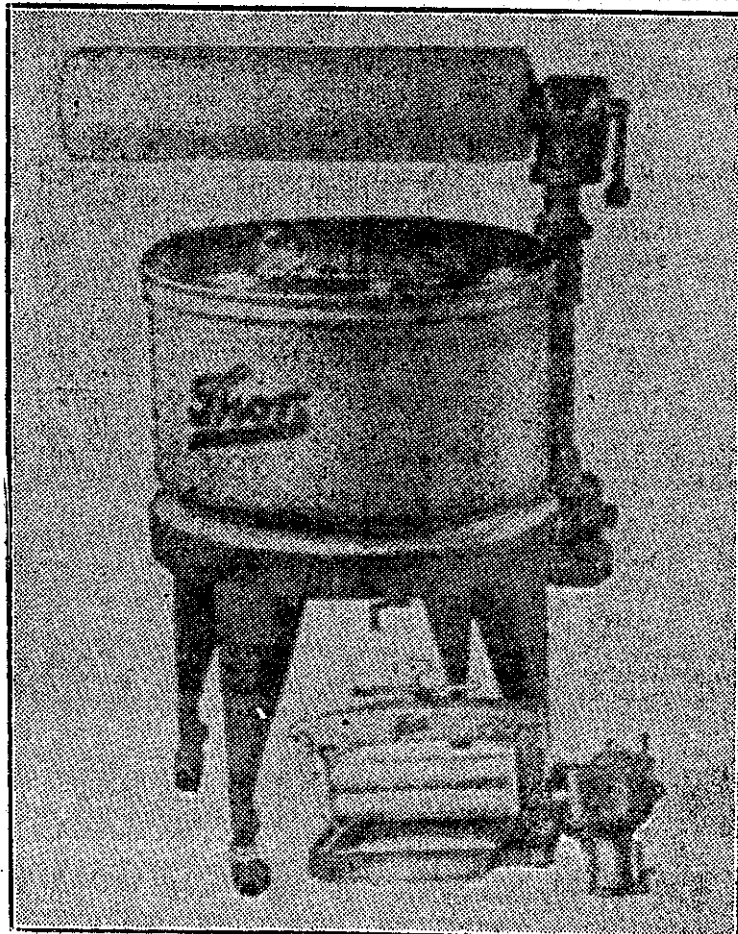
NO MORE TROUBLE! NO CHANCE OF GOING WRONG!

Mail
this
Coupon
for Full
Particulars.

To ARTHUR D. RILEY & CO., LTD.,
P.O. Box 513. WELLINGTON.

Please forward particulars of the
New Thor Washer and Ironer, to—

M



An' electric washer for a bob,
Gars me feel kinna soor,
Boots! what guid's a washer te the likes
o' me,
Ah kinna ony poo'er.

Aye, it's a nark—nae poo'er an' the rate
tae pay—tae faur frae the road.

Well, many of you "hae the poo'er"
but still have not the washing-machine.
You could not all win, but is there any
real reason why you should still be
without? You are all convinced that
it would soon pay for itself, and that
many times over. A nominal first pay-
ment and the instalments will be saved
as you go along and enjoy its use. Why
not see about it?

Radio Listeners' Guide, 1930 Edition.

Dealers and Booksellers 2/6, posted 2/9.
P.O. Box 1032, Wellington.
Available in May.

**SORE
THROAT**

Pulmonas
PASTILLES

**QUICKLY
RELIEVE**

1/6 a tin all chemists

"To Cure the Curse of Adam"

NINE electrically-operated washing machines are included in the equipment of the new baths and wash-houses, recently opened at Bow, one of London's most thickly populated districts.

At the opening ceremony, Mr. George Lansbury said that "Machinery was sent to cure the curse of Adam. I remember when I lived in St. Stephen's Road, Bow, in four tiny rooms, with a swarm of children. The week was completely spoilt by the day the washing was done and the day the washing was dried, and I felt it was rough on many and many a woman.

"The trouble with most of the working class is that they think it wrong to do work by machinery. Machinery is not wrong, and getting rid of hard labour is not wrong. The thing is to bring to the service of man and woman all the machinery which the genius of

Coffee-Making

A Request "Item"

TO make coffee to perfection, the berries should be freshly ground. Allow one good tablespoonful to each half-pint of water. Place the coffee in the upper chamber of the percolator (electric percolators are ideal, handsome, and can be used at the table), and pour the water boiling through the distributor on to the coffee. When the water has percolated through the fine strainer, and has been allowed to stand for a few minutes, it will be found to be quite clear and ready to serve.

Or the same amounts can be placed in a pan on the range and allowed to just come to the boil, but boiling it, even for a short time, quite destroys the flavour and aroma.

These quantities make good coffee as served in France, but if considered too strong, should be diluted after being made, with hot water or hot milk.

Not Quite Right!

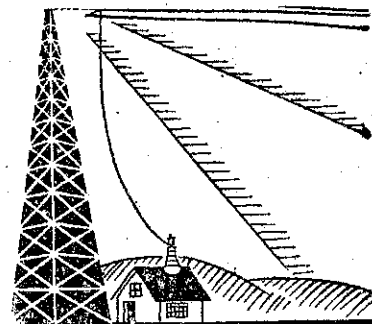
IN a recent issue reference was made to "Captain Brassbound's Conversion." The authorship was credited to Granville Barker. This is wrong, as it was Bernard Shaw who was responsible for this brilliant play.

"Have you overlooked that five bob you owe me?"

"By no means. Didn't you see me try to dodge out that doorway?"

Woman Diver's Success

MRS MARGARET CAMPBELL GOODWIN, of New York, who is only four feet nine inches high, has done some notable deep-sea diving. One of her feats was the salvaging of the copper cargo of the Pewabic, sunk in Lake Huron in 1865, five men having previously lost their lives in the attempt. Mrs. Goodwin was successful in raising £60,000 worth of the metal from 180 feet of water. She is now writing a book on her experiences, which should be well worth reading.



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It is simply: "Mix a few spoonfuls of ANCHOR SKIM MILK POWDER into every mixture you make." You'll marvel at the new lightness it gives to baking—the increased food value—the rich flavour—and the longer period of freshness.

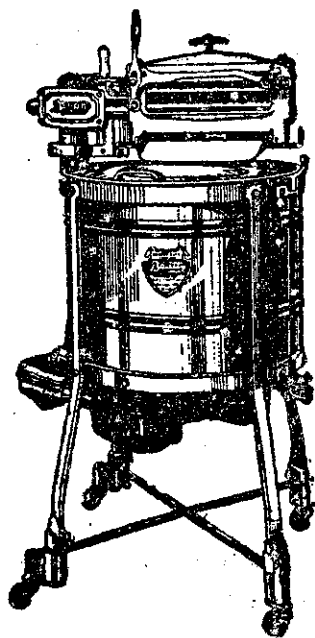
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who entered for the Washing Machine Competition because they now understand and appreciate how much RELIEF from DRUDGERY they can avoid.

From hours of hard-wearing labour, the Beatty Electric Washing Machine cuts wash-day down to an hour's easy work. The Beatty does the hard work.

This vision is no idle dream. The Beatty has already brought this about in over 400,000 British homes. These people, like you, asked, "Can I afford it?" They found that the Beatty could be bought on Easy Terms and saved the price of itself. It has actually been proven that it saves at least £10 per year on the wear and tear of ordinary family linen; that it washes clothes as clean as when done by hand, to say nothing of the great saving of time set free for other important duties.

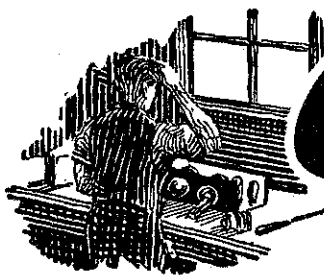
The Beatty Electric Washer alters everything and is ready for the prize winner to order and place in her home—a faithful lifetime servant. All the other prize winners may use their prizes as part deposits against the purchase of Beatty Electric Washers.

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WELLINGTON.

THE "FARMERS," 91 KARANGHAPE RD.,
Cashel Street,
CHRISTCHURCH AUCKLAND



Questions and Answers



"P.J.K." (Palmerston North) encloses a sketch of a push-pull amplifier, and asks if it would be suitable for a gramophone amplifier.

A.: Yes, quite. The resistance in the anode of the detector should be about 100,000 ohms, and that in the grid circuit of the first amplifying valve about 250,000 ohms. The intervening condenser should have a capacity of about .01 mfd. You will probably find that a 201A valve in the second audio will be quite sufficient.

"W.R.B." (Palmerston North) states that he cannot get American stations on his five-valve receiver, although he can get the New Zealand ones at good strength. He has a new 45-volt B battery, and asks—

1. Would the set be damaged by connecting the two 45-volt batteries and running 90 volts through the set?

A.: No, not under ordinary circumstances, but it is unwise to put the full 90 volts on any valve but the last, or at the most on the audio valves; 67½ should be applied to the radio valves, and 45 on to the detector. If you intend to connect the old 45 battery with the new one, our advice is to make fresh resolutions. It is most unwise to connect the new battery and an old one together for the sake of obtaining the extra voltage. When the battery drops slightly in voltage the re-

sistance due to defective cells increases greatly, and the actual inefficiency of the battery is very much greater than it appears.

2. Would reception be improved by the addition of another 4½-volt C battery?

A.: This depends upon your circuit. Trace out the grid bias negative wire, and see if it connects with one valve only. If it does, and you are using anything but a 201A in the last stage, you can safely increase the bias to 9. If the grid circuit of the audio valve preceding the last valve is connected to the grid circuit of the last valve, you will have to disconnect these two wires, and put in a separate tapping for the first audio valve. This should be 3 or 4½ volts, according to the plate voltage.

3. Would reception be improved if I fitted a fixed condenser between the aerial and the set, and how much do these cost?

A.: Reception would not be improved. The function of the condenser is to effectively shorten the aerial and is used usually to sharpen selectivity. Note: We cannot assure you that by increasing the plate voltage and putting extra bias on the last valve that you will get American stations. We can state, however, that the sensitivity and tone of your receiver will be improved, and if you have already had four American stations on the telephones you may be able to get them on the speaker now.

"L.B." (Auckland) wishes to know how to excite the field coil from the A.C. mains.

A.: "Pentode" is now revising the description of the dynamic cone which proved so successful, and when this is complete we shall publish with the details for transformers to work from the A.C. mains.

"E.R.W." (Island Bay) proposes to construct the silk diaphragm speaker and wishes to make slight alterations in order to make a cabinet speaker of it. His questions are:—

1: Will substituting hard wood for the O.B. rimu be detrimental?—No.

2: Will the addition of a back of stout ply wood affect the performance?

A.: Unless the back is left open or covered with gauze, it will result in a booming effect. At the least, bore many holes in the back, to allow the sound waves to escape.

3: Will the addition of feet affect performance?—No.

4: It appears from the article that the silk is really tacked to the frame. Is this all the precautions that are necessary for silk is flimsy material?

A.: Use fine tacks with wide heads and put them very close together.

5: What would be the effect of altering the size of the frame to 20in. by 20in.?

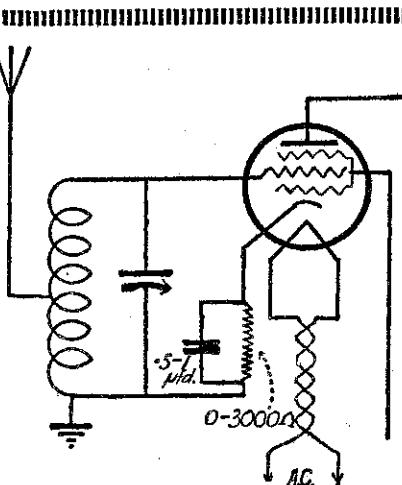
A.: It is very difficult to say definitely, but we should imagine it would have practically no effect.

"H.M.M." (Southland) states that he cannot get good results from a 2-valve transformer coupled amplifier when connected to a single valve set. Both amplifier and set use PM4 valves.

A.: You should be using PM4D or PM3 as detector and PM3 as first audio. Be quite certain you have adequate bias on the last stage valve, and that the transformers are of low ratio and good quality.

2: What is the correct method of wiring the set to the amplifier?

A.: The plate lead of the detector is taken to the P terminal of the first transformer, while B+ of the transformer is taken to about 45 volts. A choke may be connected between P of the valve socket and P of the transformer, and if the one valve set uses reaction, there will be a condenser across the primary and P of the valve will be connected first to the rotating coil. If of the condenser control reaction type, the wiring will vary according to the circuit you are using. Use about 45 volts on the detector, 67 on the first audio, and 90 on the second audio.



A correspondent has complained of his aerial tuning being broad when changing over to A.C. Screen-grid. The above diagram shows how this might be improved by the application of grid bias.

"PLUM" (Auckland) states that his four-valve set will work on three valves only. It distorts on distant stations when working on the four. The volume control does not make any difference on the local station, but makes distant stations bubble.

A.: You have not stated exactly what you mean when you say "it will not work on four valves." It appears it does work on four valves, but poorly. Your transformer may not be a good one, or there may be some mistake in the wiring of the last stage. If you are using an eliminator, it appears that it cannot supply sufficient current for the set. Try reversing the connections to the primary of the last transformer, and increase the grid bias (or decrease it according to the amount of bias you have on); the particular valve you are using requires about 9 volts when using 90 volts, and about 12 volts when using 135 volts. Regarding the volume control, we cannot give you any advice because you have not stated the type of control it is.

"W.E.A." (Auckland) has a crystal set and two-valve amplifier, and when he turns on the electric light, a noise like an aeroplane is heard.

A.: Probably the switch is defective, and you should call in an electrician to examine it. The contacts may not be making a good connection.

"H.C.C." (Pelorus Sound) asks where Condor valves can be purchased.

A.: Try John Chambers and Son, Wellington.

"SPARKS" (Christchurch) asks for the particulars of valve-base coils for "Round-the-World" Two. He is referred to the inquiry of the above correspondent.

"E.P." (Norsewood) wishes to know the number of turns for A609 and A635.

A.: A609 requires 15 for a 3-inch former, about 20 for a 2-inch former. A635 requires about 30 for a 3-inch former and 36 for 37 or a 2-inch. We would advise you to use A609 in preference to A635.

2: I am using a Phasatrol. Have the primary turns to be adjusted because of this?—No.

3: I do not have a volume control, but have put two 80 ohm rheostats in the filament lead between the detector in high frequency valves. Could you suggest a better panel control?

A.: The best volume control consists of 500,000 ohms potentiometer shunted across the aerial coil. It is used as a rheostat, the third terminal being neglected.

4: When I connect a horn speaker to my set there is no hum, but when I connect up a linen diaphragm speaker there is one. Why?

A.: The hum is likely to be 60 cycle note, which cannot be reproduced by a horn speaker.

5: When I turn the audio rheostat on too far the set begins to bubble badly.

A.: It seems that you are overloading the eliminator, as it is rated to give only 120 volts and about 20 milliamps. The only satisfactory cure is to use valves with less plate consumption or to buy another eliminator. If the eliminator is not at fault reversing the connections to the primary of the last transformer, inserting a grid leak of about ½ megohm. in series with the last valve may have some effect.

"MOI WHARE" (Feilding) asks if the unit 66R is a "Blue Spot" obtainable from Fear and Co.

A.: Yes. If Fear and Co. do not stock it, try the Rodger Importing Co., Christchurch.

2: Would the enclosed piece of material be suitable to surround the cone, to attach it to the baffle?—Yes.

3: Would it be possible to organise a purchasing department for country constructors who cannot obtain parts they want?

A.: It would involve more organisation than it would be worth. The big city firms are always prepared to deal with mail orders from the country, and the right components can always be obtained from them.

"SELECTIVITY" (Wellington) encloses a diagram of a super-hetrodyne and asks if it will be better than a neutrodyne of the same number of valves.

A.: The super-hetrodyne has to be used with a loop antenna, and because of this it loses much of its sensitivity. The hetrodyne set submitted appears to be a good one, but we think the neutrodyne would be better.

2: Could you advise me of expert super-hetrodyne builders in Wellington?

A.: Try Collier and Beale.

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"DYNAMIC" (Lower Hutt) asks the following questions re "Round-the-World" Two:—

1. Can two UX199 valves be used?—
Yes.
2. If so, would the amperite be necessary?
A.: A 30-ohm rheostat would be better.

3. I am using non-insulated buz-bar for wiring purposes. Will this make any difference?

A.: Not as far as the efficiency of the set is concerned, but it will not be as easy to work as glazite or a soft wire of that nature. The fact that it is uninsulated makes it very prone to short circuit.

Note: Re your S.O.S. for a reply by post. We are sorry your letter found its way into the batch for this week's issue. We hope you make the set up on the off-chance.

"T.J.C." (Dunedin South) wishes to make the four-valve screen-grid Browning-Drake described in last year's "Radio Listeners' Guide," and he finds that by connecting A+ to one condenser and A- to the other, he will be directly short-circuiting the battery.

A.: The grid return of the detector valve should go to A- and not A+. The 5 megohm grid leak should be connected to A+ as shown. In this manner the positive bias is put on to the detector valve.

"G.J." (King Country) complains that his reception is very poor. He states that he cannot use a 199 valve in the first stage as recommended by the makers, as it burns out too rapidly. He can use a 201A and does so without a resistance.

A.: A resistance of some description is essential in the filament circuit of 201A when using the 6-volt battery. An amperite or a rheostat of 10 ohms should be placed in the filament circuit in place of the resistance cartridge. The quality may be effected by many things, but probably because you do not have sufficient bias on your last valve. The impedance-formers in your set are probably giving trouble, as they have seen long service, and they are a weak spot in your type of set. There is very little that can be done except by an expert, as you might go to a great expense in replacing the impedance-formers with transformers and then not get results commensurate with your expenditure.

2. I live in a valley and run the aerial between the surrounding hills, so that in all I have very nearly 200ft. Is this a good or bad aerial?

A.: It is too long. Selectivity will be sharpened by using the lead-in only.

"PYE" (Mangaweka) has a five-valve portable set, and has been unable to procure an A battery to fit. The size is 5 x 4 x 4 inches; he wishes to know where he can obtain one.

A.: We do not know of an agent, but the DTC battery should fit your receiver if you can obtain one. Try some of the leading firms in Auckland, Wellington, or Christchurch.

"ROTARY" (Gisborne) states that he has tried to add a screen-grid booster to a 8-valve screen-grid receiver. He asks:—

1. How to add a screen-grid booster to the set?

A.: You may have considerable trouble in placing a screen-grid before a set of this nature. You should have defined your troubles more clearly.

2. How can I get better results with a pentode in the last stage. The present results are poor.

A.: A pentode needs fairly high voltage of the order of 135 to 180 volts, and grid bias between 12 and 18 volts.

3. Is it impossible to fit the screen-grid detector? An effort I made resulted in splendid daylight reception, but the set was too unstable for ordinary use.

A.: The set is designed for ordinary valves, and when you commence making alteration of this description trouble is invariably encountered.

"PUZZLED" (Gisborne) asks the following questions relative to his 5-valve factory-operated receiver.

1. What is the best combination of valves for the R.F. and A.F. circuits?

A.: You should use a medium power valve in the last stage. The detector should be a special valve, not a 605, which is a last stage valve. Try changing over the 201A in the last stage with the 605 now in the detector socket.

2. Will a moving coil speaker work from a set operated on 90 volts?

A.: Not usually satisfactorily.

3. Can microphonic valves be remedied apart from the cap.

A.: Very rarely.

4. When the plates of an accumulator lose their coating is it worth while applying a new coating, and how?

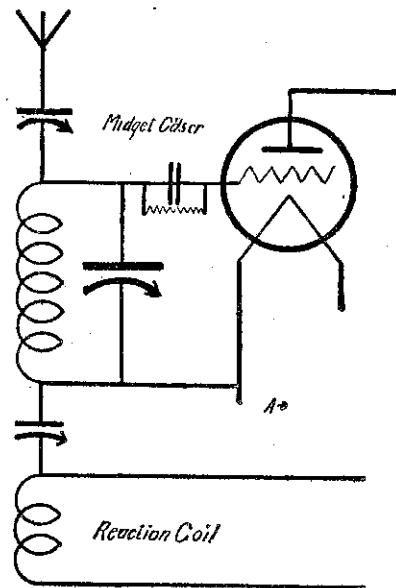
A.: This is a job for a battery specialist, and we would not advise you to attempt it yourself. By examining your battery he can tell whether it is worth while.

"THICK-HEAD" (Lower Hutt) wishes to construct "Round-the-World" Three, and using valve base coils. He asks the number of turns for the coil.

A.: The approximate number of turns is as follows:—

Secondary.	Reaction.	Wave-band.
2½	2½	9-16
5½	5½	15-30
8½	10½	28-55
15½	14½	50-110

The figures for the wave-band are approximate only. A diagram accompanying shows how to avoid the tapping on



the secondary coil which would be fairly awkward on coils of this type.

2. What gauge of wire would be required?

A.: The secondary coil is wound with 26 DSC wire, and the reaction coils with 30 DSC.

3. Does this circuit lose any efficiency insofar as short-waves are concerned as compared with a straight out short-wave set?

A.: The valve base coils used in this circuit will slightly decrease the efficiency. As far as the all-wave properties of the circuit are concerned, it is the long waves that will suffer.

4. Will any alteration be required in the wiring if valve base coils are used?

A.: The alterations are shown in the diagram.

"R.T.D." (Rununga) has had difficulty with his all-wave receiver. It suddenly bursts into oscillation with the reaction condenser right out. On other occasions, the volume builds until the set bursts into oscillation. On short wave the set does not oscillate freely.

A.: Give the screen-grid valve a slight negative bias by connecting the .0005 condenser now connected to earth to the

Nelson Radio Club

An Enthusiastic Body

THE annual meeting of the Radio Club was held in the Institute rooms on Tuesday, the 15th. There was a large and enthusiastic attendance of members and intending members. After the secretary had presented the report and balance-sheet the patron of the club (Mr. W. Lock), who was in the chair, congratulated members on the fine work accomplished during the year, and stressed the importance of listeners joining the club.

The report stated that much had been done during the year in construction work, and several fine lectures delivered. Also after a general meeting of listeners a deputation waited on the local radio inspector to see whether anything could be done to eliminate power-line interference, etc. The club has to thank the inspector for his prompt action in the matter, and also Mr. Fleming, the city electrical engineer, for his help in testing the different power lines.

The committee were fortunate in securing the attendance of Mr. Olive Drummond, 2YA, at a hastily summoned meeting. Mr. Drummond gave some useful and interesting information on broadcasting, and as this was the first opportunity there has been of meeting anyone from the Broadcasting Company here his talk was very much appreciated. The Radio Club wishes to thank Mr. Drummond very heartily for giving up so much of his short time here to them. The club also desire to thank Messrs. Wilkins and Field, Mr. W. Richards, and Mr. C. T. Webley for demonstrations which were greatly appreciated by members.

negative terminal of a bias battery. Check over the connection to the grid of the detector and be quite certain the grid-leak is quite all right. Keep the lead to the grid of the detector as short as possible. We are returning your diagram with some suggested alterations.

"ANNOYED" (Taumarunui) gets a shock every time he touches the phones of his battery set.

A.: This can be prevented by incorporating a choke and condenser shown on page 38 of our issue of April 11. Disregard to connections to speaker 2. This will stop all A.C. current getting into the phones. It does not necessarily signify a short-circuit or a leakage.

Eliminator Construction

A Word to the Wise

THE following warning with regard to radio apparatus connected to the electric light mains have been issued by the Electric Supply Department in Sydney. It is of interest to New Zealand constructors as it emphasizes the care that must be taken during the making of home built power packs. In our descriptions care is taken that the specific actions, if followed, will ensure perfect safety and comply with New Zealand regulations. They should be followed carefully. The Sydney Department says most of the radio receiving apparatus which has been in use until quite recently has depended, for its electric current, entirely on batteries. This apparatus even when constructed by amateurs is quite safe and suitable for operation by wireless enthusiasts. With the wireless apparatus now coming into use, current is generally obtained from the house lighting mains to operate battery eliminators, trickle chargers, and "all-electric" sets. This apparatus is equally safe if constructed in accordance with well-defined rules, and is connected in a permanent and workmanlike manner. Unfortunately some of this apparatus is constructed and connected in an improper manner by inexperienced persons. When constructing electrical apparatus intended for connecting to the house lighting mains, the following points should receive careful consideration:

"The apparatus must be wired and connected in a permanent manner, or through a proper outlet.

"All flexible conductors used for connecting to the supply must be of A grade—the type suitable for use on 230-volt installations.

"The 230-volt terminals must be completely protected from accidental contact. Where the cases are of metal, they must be connected to earth with a stout wire having proper terminals at each end. This is most important.

"Transformers intended for connection direct to the house lighting mains must be properly designed for their purposes with independent primary circuits and the covers and frames must be effectively connected to earth."

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For column of casual advertisements see page 31.

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Hear its Full, Rich, Mellow Tone. Note the absence of distortion. It has no moving coil and does not require any separate field excitation.

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MANY listeners who live near a broadcasting station find that it is difficult to tune it out and get other stations, and usually blame the station in question. But the fault is not with the station, but usually with the set or location. This may be overcome no matter what type of set or how close it may be to a station, and there is no reason for any listener to have trouble of this description nowadays.

Many crystal users are greatly troubled in this way mainly because of the crudeness of most crystal sets which are usually designed to receive whatever may be on the air.

It is just as possible for a crystal set to be able to tune to any of a number of local stations as it is for any valve set to tune in distant ones without interference of any kind. Any of the three following methods will be found quite satisfactory if followed carefully, and in fact they may be used singly or in combination if found necessary, although in the hands of the writer any one of them alone is quite satisfactory.

Three Types of Rejectors.

THE first method to be described is most satisfactory for a crystal set, and although it may be used for a valve set it is only suitable when it is desired to tune out one local station and tune in another local station, and consists of placing a small fixed condenser between the aerial and the set, the capacity being from .00005. to .00001, or a midget condenser may be used if you have one.

Another method has been found quite satisfactory, and has the advantage of cheapness, which should appeal to crystal users. Take about 10 feet of ordinary lighting flex such as is used on electric lights. Make a knot in each end of one of the wires, making sure that you knot both ends of the same wire.

Disconnect the aerial wire from your crystal or valve set and connect the wire with the knot in it to the aerial terminal taking care of course to first remove the insulation. At the other end of the flex connect the end without a knot to the aerial wire, removing the insulation as before. Proceed to tune in either of your locals when they are both in operation. You will find that the tuning of your set has become much sharper. However, you still get both at once, and cannot separate them. Proceed to untwist the remaining knotted end of the flex from the other, readjusting the set each time you have unwound a few turns until you will find a point where you can tune in either of them separately.

How to Obtain Selectivity

No Need to be Annoyed by the Local

(BY ROY KEITH.)

Now fasten the ends of the flex with string so that they will not untwist further, and cut off the end you have untwisted, and no further adjustment will be found necessary, and any number of locals may be tuned in without interference from each other.

The Wave Trap.

THE second method is the use of a suitable wave trap which, if correctly constructed, will enable you with either a valve or crystal set to tune in outside stations as well as other locals without reducing the volume of

of good quality bakelite or other insulating material.

Two terminals should also be mounted on the panel, the lower one being connected to the moving plates of the variable condenser, the upper one being connected to the 27½th turn tap of the coil.

The upper terminal in use is connected to the aerial, which has been removed from the set, and the lower one is connected to the aerial terminal of the set. This trap may be used with any set and will, if correctly built, separate local station 10 k.c. apart and distant from locals 15 k.c. apart. It should be spaced at least three feet from the set, otherwise it would be found that there would be coupling between the wiring of the set and the coil of the trap, which, being tuned to the interfering station, would act as a coupling coil feeding back to the set.

When used either close to the set or with some types of A.C. set it is advisable to shield the coil itself, placing it in a can at least 1 in. larger than the coil each way, and although this may be a little more trouble it is well worth while.

Other Methods.

An indoor antenna may be used for receiving locals, or the aerial may be disconnected altogether, and in this case no interference will be had from one local station with another, and if the set is tuned carefully the volume will be quite as good as with an aerial.

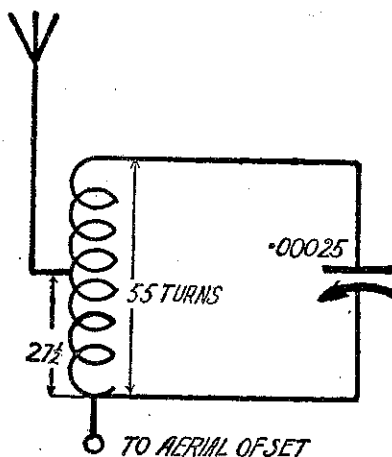
Especially is this the case with some A.C. sets which derive quite a large amount of pick-up from the power lines, which act as an aerial. However, with some of the latest types of all-electric sets which are well shielded it may be found necessary to connect a couple of feet of wire to the aerial terminal, or a good plan is to disconnect the aerial at the lead-in tube, or to switch the aerial to ground.

Any or all of the methods described will give perfect selectivity and will enable any listener to tune out a local station and tune in either outside or other local stations without interference from each other, and at little trouble or cost to the listener.

Fig. 1 shows the use of a small fixed condenser or midget variable condenser connected in series with the aerial, while Fig. 2 shows how to make a fixed variable coupling with twin flex.

Fig. 3 shows the circuit diagram of the wave trap, and we know that any listener who cares to follow the instructions laid down here will have no further trouble with interference, and will be able to tune in any station he wishes.

The main two things to be remembered are that the looser the coupling to the set the sharper the tuning, and the smaller the series condenser the looser the coupling to the aerial, and with a wave trap always remember that it does not impede but absorbs



the station wanted, while reducing the strength of the unwanted station to the vanishing point. In building such a wave trap a little care must be taken, and although we will not go into the technical reasons here, suffice to say that the proportions given here should be strictly adhered to. Wind on a bakelite former 55 turns of No. 24 D.C.C. wire, making a tap at the 27½th turn (be careful about the 27½th turn), for it is this that makes the success of this wave trap assured.

Connect each end of the coil to the terminals of a good low-loss variable condenser, .0025, which, of course, should be mounted on a small panel

In Defence of "Canned" Music

Views of Eminent English Musicians

A RECENT issue of "The Listener", published by the British Broadcasting Corporation, London, has the following comment on the controversy respecting the merits of radio and gramophone music:—

The discussion in the Press on "mechanical music" seems to be drawing to an end with a distinct score for the gramophone and the wireless. The old gibe about music which comes from a machine and not from a living personality probably dates back to the time when some prehistoric professional singer grew annoyed with the first man who discovered that wind-blowing over a hollow reed produces a musical note!

That particular gibe (though it was revived with the invention of the gramophone) rests upon so obvious a fallacy—for no matter through how many processes "mechanical music" may pass, there must always be a living personality behind it—that it never really carried much weight. The more serious accusation was that the gramophone and the wireless provided such easy music that people would give up playing music for themselves and, above all, give up playing the piano. This was a point put forward by Sir Hugh Allen in his recent address to the Incorporated Society of Musicians, though one must hasten to add that this was only one point in an address which was otherwise very friendly to the gramophone and the wireless.

Sir Walford Davies, as is well known, has long supported the view that the proper use of "mechanical music" is extremely stimulating to music making. He draws a careful distinction between the desire to listen to and the desire to interpret good music. The satisfaction of the one does not reduce the other. These, however, are theories, and it is interesting to notice that a hard fact has been introduced into the debate, and from a source unlikely to be prejudiced in favour of the wireless and the gramophone.

In a letter to "The Observer" of recent date, Mr. R. H. Tatton, writing on behalf of the Federation of British Music Industries, says that at the present day there are far more pianos being sold than ever before in the history of music making. He concludes his letter by saying that "in the opinion of this federation both the gramophone and the wireless have enormously served the art of music making by piano-forte and otherwise." That, at any rate, seems fairly definite.

the unwanted station while having little or no effect on the station required, and one of these wave traps has been used in Auckland a few hundred yards from the broadcasting station, and while all three of the Auckland stations were operating was able to tune in either of them or any outside station without interference from any of them.

Radio Listeners' Guide, 1930 Edition.

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Short-Wave News

Rome Testing on 25.4 Metres.

MR. DURRANT (Wellington) reports hearing the new Italian short-wave station testing early on Sunday morning, April 13. Records, counting, "Rome testing on 25.4 metres," and a call which Mr. Durrant took to be 3AO, but was not certain of on account of the foreign accent of the speaker, were heard. The test, which concluded at 1.43 a.m., was received very clearly, at good volume.

Reception of Oxford and Cambridge Boat Race.

MR. A. B. EKENSTEEN (Christchurch) had a little more luck than the writer with the boat race. He found 5SW gushy at R4.5, with a few odd words intelligible, and quite a lot of cheering. The same correspondent heard W3XAL give their power as 14 kilowatts radiated from the aerial.

Short-wave Station at Prague.

THE short-wave experimental station at Prague (Czecho-Slovakia) is now broadcasting twice weekly on a wavelength of 58 metres. The transmissions take place every Wednesday and Saturday from 7 a.m. to 9 a.m., N.Z. time. Announcements are generally made in Czech, German, French, and English. The station's call sign, OKIMPT, is transmitted in slow Morse after the announcement.

Another Short-wave Station near Rome.

A NEW short-wave broadcasting station about nineteen miles from Rome will be working shortly. The wavelength will be about 80 metres, with a power of 12 kilowatts.

W3XAU Philadelphia.

STATION W3XAU, the second short-wave rebroadcasting station of the Columbia broadcasting system in America, is now on the air. The short-wave unit is associated with WCAU, in Philadelphia. W3XAU will broadcast on two wavelengths, 31.2 and 49.5 metres.

VRY, British Guiana.

VRY is the call-sign of the Post Office Department, engineering branch, Georgetown, British Guiana. This station works on 43.86 metres, between 11.30 a.m. and 1.30 p.m. on Wednesdays and Sundays.

PCJ'S Wavelength.

AN English radio journal reports that "In view of interference between PCJ Eindhoven, Holland, and the Zeesen short-wave transmissions, the Dutch station has reduced its wavelength to 31.20 metres." PCJ still announce their wavelength as 31.4 metres.

Short Waves from Vienna.

VOR2, Vienna, will probably transmit the Vienna studio broadcasts regularly on both 24.7 and 49.4 metres, in the near future.

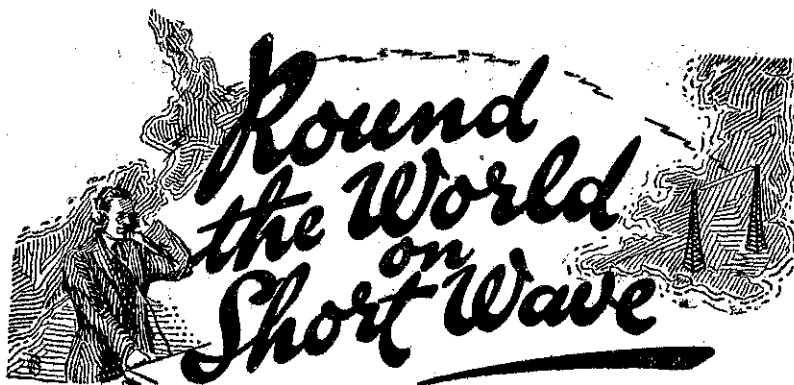
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Log for the Week

Sunday, April 13.

W2XAD when first tuned in at 11 a.m. was R2-3, increasing to R8 by 4 p.m. W2XAF was R9 by 4 p.m. CJRX was just signing off when I came across them at 3.3 p.m., R5. KDKA with a programme from the William Penn Hotel was R8 at 4 p.m. on 25.4 metres. Volume

Tuesday, April 15.

AT 6.15 a.m., from 5SW, a talk was in progress about income tax, death duties, etc. It appeared as though Mr. Snowden was talking, as he was heard to say several times what he intended doing in reference to taxes, etc. The talk was about 90 per cent. readable. GBX at 6.20 a.m. was R8 with a slight gush, talking to 2ME, who were

Stations Heard During Week Ending April 19

RA97 Siberia, 70 metres: Each evening. W9XF Chicago, 49.83: Sunday and Friday. W3XAL New Jersey, 49.18: Sunday, Friday, and Saturday. W2XE New York, 49.02: Sunday and Friday. W2XAF Schenectady, 31.4: Sunday, Tuesday, Friday, and Saturday. PCJ Holland, 31.4: Friday and Saturday. Zeesen, Germany, 31.38: Each morning. VK2ME Sydney, 25.5: Daily. GBX England, 27.5: Daily. KZRM Manila, 26.3: Every evening except Monday. CJRX, Winnipeg, 25.6 metres: Sunday. 5SW, England, 25.53: Each day except Sunday and Saturday. KDKA, Pittsburgh, 25.4 and 48.86: Sunday. W6XN, California, 23.35: Friday. W2XAD, Schenectady, 19.5: Sunday and Saturday.

Unidentified Stations.

46 metres (about): Thursday. 44.4 metres (about): Sunday and Friday. 42 metres (about): Saturday. 41.6 metres (about): Monday, Wednesday and Thursday. 32.3 metres (about): Wednesday. 31 metres (about): Monday and Tuesday. 30.9 metres (about): Saturday. 30.7 metres (about): Wednesday and Thursday. 30.1 metres (about): Friday. 24.7 metres (about): Sunday.

was R5 on their 48.86 wavelength and R4 on the first harmonic (24.4 metres), in fact, the harmonic was heard first. W3XAL was quite weak at 4 p.m., but was up to R8 by 5 p.m. with their usual dance music from the Hotel New Yorker, New York City. W2XE and W9XF, although audible, were too weak to bother with. On about 44.4 metres at 4.40 p.m. a Yank voice was heard calling London. On 24.7 metres music was audible at R3 at 4.50 p.m. The station was too gushy to get a call.

Monday, April 14.

ON 41.6 metres weak talk was just audible at 6 a.m. Zeesen started at 6 a.m. R7 with organ music. Volume soon increased to R8. A station opened at 6.30 a.m. on about 31 metres with foreign talk at R3-4. This is possibly LGN, Bergen. 2ME and GBX were heard both morning and evening putting through calls. RA97 were very good at R9, but static was bad as usual. 5SW at 11 p.m. was very weak. Big Ben was just audible in striking the half-hour. Apparently an organ recital followed, but could not swear to it. A Wellington lady was scheduled to sing, but could not be heard. (If any reader heard this lady during this session I should be pleased to hear from them, as she had friends at my place who were disappointed).

Wednesday, April 16.

AT 6.15 a.m. 5SW was very weak. An improvement was noticed later, but was too gushy for listening. 41.6 metres, R2, with foreign talk at 6.15 a.m. Zeesen started at 6.30 a.m. with a string quartet, at R9. Reception was excellent. GBX at 7 a.m. was R6, but 2ME was very weak; they were both much better at 7 p.m. Duplex was heard on 32.3 metres at 6.45 p.m., strength being R4. RA97 was R8-9 at 8.45 p.m., with slight static. Volume was R4 on the first harmonic (35 metres). KZRM at 10 p.m. was R7-8 with Morse interference. On about 30.7 metres at 10.15 p.m. a very strong carrier was heard, with a metronome ticking at about 60 per minute. I listened for some time, but there was not any talk or music.

Thursday, April 17.

JUST before 5.30 a.m. 5SW made the announcement that appeared in the Press recently in reference to broadcasting news. This was about 50 per cent. readable, gushiness being bad. Volume was R5. This was better at 7 a.m., but signals were still too gushy to be readable. GBX at R8, and 2ME at R2, were on duplex at 5.30 a.m. Zeesen were R8 at 5.35 a.m., with a slight hissing noise in the background. Strength increased to R9 by 6 a.m.

On 46 metres a foreigner was tuned in as he was signing off at 5.40 a.m.; R3. The 41.6 stranger was R3 at 6 a.m. 2ME was R9, but very rough at 8 p.m., while GBX was too weak to understand. KZRM at 9.30 p.m. were R8-9 with recorded music. The station on about 30.7 metres with the metronome was again heard at 9.50 p.m. and were on for a long time without any sign of talk. RA97: Static was too bad.

Friday, April 18.

I WAS up too late to hear the usual early morning stations. Zeesen was just audible at 8.45 a.m. 5SW had a strong gushy carrier at 8.45 a.m. The strength, which was too weak for speech or music, remained about the same till 10.30 a.m., when Big Ben was just audible striking midnight.

PCJ was not heard during their early transmission. They reached R4 by 2.30 p.m., when they closed down, it being the conclusion of their second session. W2XAF was R4 at 3 p.m. and very gushy; R8-9 at 4 p.m. with an organ recital. This concluded with "Abide with Me," the station closing down at 4.35 p.m. W6XN were R3 at 3.45 p.m. with the Los Angeles Philharmonic Orchestra. It was announced that this was their last performance before disbanding for the summer. A radio play followed. From 5 p.m. the "Olympians" entertained with a varied programme. Strength was R7 at 7 p.m.

W3XAL were R5 at 4.15 p.m., increasing to R6 at 5.30 p.m. W2XE were R4 at 4.20 p.m. W9XF was just audible at 4.30 p.m. A station on about 30.1 metres was on duplex at 5.15 p.m., very rough at R7. Another station at the same strength was heard on about 44.3 metres, also on duplex. KZRM were good at R8-9 at 9.30 p.m., except for slight gushiness. RA97 was R8 with plenty of static.

Saturday, April 19.

FROM 6 a.m. till 7.30 a.m. PCJ was R8-9 with rapid fading. Zeesen from 6.30 a.m. with a choir were excellent, except for slight gushiness at R8-9. On about 42 metres talk was just audible at 6.30 a.m. PCJ were heard again from 2 p.m., when they were R2. Strength increased to R8-9 at 5.25 p.m., when they

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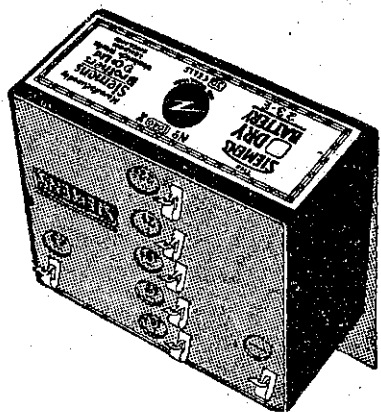
closed after playing our National Anthem, the last two hours being a special New Zealand-Australian programme. Reception was very poor, being gushy with crackling static. W2XAF was also very poor, being only R4 at its best.

W2XAD was R4 at 1 p.m., but had gone when tried for just after 2 p.m. On 30.7 (about) music was just audible, strength improved, but speech was not readable. The station closed a little before 3 p.m.

W3XAL were R3 at 4 p.m., increasing to R8 by 4.30 p.m., when they closed. KZIRM at 8.10 p.m. were R4 with records. At 10.45 p.m. strength was R7 with strong gush. RA97 were R9 with very bad static at 10 p.m. At 11.30 p.m. they were still R9 with static almost absent. On their first harmonic they were received at R7.

Was It the Vatican?

LAST week on Wednesday evening, 24-30, I heard a new station testing; I believe it to be the new Vatican station at Rome. At approximately 7.30 p.m. I tuned in on about 25 metres, when a gramophone record was being played. Signal strength was R8-9, very clear and steady. At the conclusion the announcer said, "Allo, Allo, Rome testing; Hulio, Hulio, VRO, Rome, testing." He repeated this several times, but I would not be sure of the call—it might be 3RO. Later frequency tests were carried out. This



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"Five Point" Amateur Conversations

Unique Telephony Stunt

FIVE North Island amateur transmitters on the 80-metre band accomplished "five-point" telephony conversation last Wednesday night. The "hams" who took part in this unique test believe it is the first occasion that a "five-point" conversation has taken place in amateur quarters in New Zealand, and I think they are right. That it is an art is proved by the fact that the transmitters were made by the owners and operators concerned—a fact that makes the accomplishment all the more worthy.

The stations concerned, with their owners' names, are: ZL 2BE Hastings (Mr. Jas. Mills); ZL 2AX, Palmerston North (Mr. Jas. V. Kyle); ZL 2AW, Wellington (Mr. Roy Clarke); ZL 2AB,

station is undoubtedly the same one as Mr. Sellens queries.

Last week many Australian amateurs have been heard testing on 'phone on 40 metres, and are received here at surprising strength. One Australian "ham" received was VK2RF, Sydney, and a card was received from him yesterday stating that he uses only 33 watts input, and seems to be obtaining excellent results, as his signals were received here perfectly at R9 on the speaker. Many others have been heard at R9, as loud as many of our New Zealand "hams."

In a letter received from Siam recently they state they are operating the following stations:—HS2PJ, on 29.5 metres using 500 watts; HS1PJ, on 300 metres using 300 watts. Both these stations operate from 1300 to 1600 G.M.T., and perhaps some D.X. listeners may be able to pick up the latter station.

Mr. Rogers includes a letter from the French short-wave station FW4 which contains some interesting information. In an enclosure the call signs and wavelengths of several other stations operated by presumably the same concern are given. For three stations the same wavelength is given for two calls differing by the last letter. In each case one is "O" and the other "E." In a footnote it is explained that directional antennae are used and the energy directed to the east is denoted by the letter "E" and that to the west the letter "O."

The letter reads: "We are in receipt of your letter of December 29 and thank you for its contents. Our station FWH does not always transmit telephony on 24.5 metres. We use FTM on 15.5 to 15.8 metres at 18.30 GMT with Buenos Aires. You will find enclosed a list of our stations and their wavelengths. With regards, I. Nounir, Director of External Affairs."

The enclosure reads:—
Wavelength and call signs of transmitters at St. Assise.

FTD, 15.12.
FRO and FRE, 15.45 (2).
FTM, 15.50 (1).
FTD and FTE, 16.44 (2).
FTN, 24.46.
FOO and FQE, 24.67 (2).
FTL, 30.15.
FTF, 38.61.

(1) Telephony Paris-Buenos Aires.
(2) When one station has two call signs for the one wavelength, for example (FRO and FRE) it means that the directional aerial is able to project energy either eastward (FRE) or westward (FRO).

["E" for l'Est—east, "O" for l'Ouest—west.—Ed.]

Otaki (Mr. D. Wilkinson); and ZL 2BY, Wanganui (Mr. C. T. Berry).

Shortly after the New Zealand broadcast stations closed down a three-cornered talk was being engaged in by 2AX, 2AB and 2BY; and at the same hour another two "Hams," namely, 2BE and 2AW, were also having a friendly chat.

It was suggested by the trio that they should bring in the other two, but the difficulty was for one or other of the trio to hop on to one of the duo just at the right moment so as to attract his attention.

Before long this was accomplished, and off set the quintet on a real radio excursion; the "chaff" from a certain listener about the "Fishing Village," and the wonderful city of the Hawke's Bay plains, plus many more humorous references to each other's city or village, created sufficient discussion between the "five" that there was plenty of good-humoured "dough boys" to throw at each other for two hours. One suggested a "wet" Otaki, but was corrected to the extent that Otaki is a "dry" area, much to the amusement of the others. The forthcoming "ham" conference in Wellington will be attended by several of these gentlemen, and, coming just prior to same, the contest on Wednesday night will prove interesting indeed.

So far as transmission goes, without in any way separating the five enthusiastic "hams," it might be said that 2BE, Hastings, was received best in Wellington, excepting, of course, 2AW, who lives here.

Then followed fairly close 2AX, Palmerston North, the latter's transmission being excellent and much above his usual standard owing probably to his using a generator. 2BE, of course, is usually perfect, as was the case Wednesday last.

The other up-country "hams," 2AB and 2BY, were both good. No doubt listeners who heard the fine performance will agree that that two hours' "stunt" was worth the 30/- license fee.

Four-cornered communication between "hams" has been heard previously, but I believe this is the first time a five-point "chat" has been put over in New Zealand, and possibly in Australia and New Zealand. It was certainly unique and proves that here in New Zealand those following the most delightful, entertaining, and not a little difficult art of amateur transmitting have done much toward the entertainment of listeners. One thing missing from the stage effects was 2BE's pet dog "Spot," which plays an important part each week.

Well done, the "Big Five"; let's have some more of it, and next time some music as well.

I predict before long a seven-cornered contest. What about it? ZL 2AX, Palmerston North, was last signing off at 12.22 a.m.—R. Leslic Jones (Wellington).

What is Radio Coming To?

I HEARD an unusual conversation between two ladies talking across the 12,000 miles of daylight and darkness between Sydney and London. Miss X at the London end talking about latest designs in hair, asks: "How do you wear your hair in Sydney?"

Miss S.: "Waves, and curls at back." "We're three years behind Paris." "Are you fond of swimming?—are you very fond of it? Yes, I am, too. Do you play golf? Oh! I don't play golf; I don't have time. Do you play tennis? I don't have much time; the only thing I do well is swim."

"You don't have any rough breakers over there in London, do you?"

Sydney: "I was asking if you did any surfing over there? You don't know what surfing is, do you? Skating? We haven't any real ice in Sydney; we do skating here, but haven't any real ice, only manufactured ice. How's that, London? That's good, is it? I hear you better."

Sydney: "Fairly weak; I can't put it down to feeling weak. What sort of skating do you do?"

"Top heavy?"

"I am, too, but still I can skate. You try the old skating, you'll find that better. It might reduce your weight."

"What do you weigh?" asks Sydney. "Ten-seven."

"Why, I'm only 9.7. I'm short—not very big. My goodness me! you're not fat, when you only weigh 10.7 and 5ft. 6½in. I'm a bit dumpy; this is my first attempt at radio.—R. L. Jones, Wellington.

Distortion?

MR. MORRISON has misquoted parts of my last communication. He says: "He mentions the reason our ham phone is not reported in Alaska." I think Mr. Morrison will find I mentioned a "probable" reason. Many reasons could be presented, an important one being the seasonal difference between transmitter and receiver locations.

Evidently Mr. Morrison has formed an opinion with regard to the possibilities and limits of radio, as he says, in reference to my report on ZLIBG's phone being heard in Siberia: "When one begins to think, it reads like a tall one, and seems impossible." I thought Mr. Morrison was too experienced a listener to say such a thing would "seem impossible." The report received by ZLIBG was not from a ham, but was issued from radio station ROAS, Radio Laboratory, University, Vladivostok. I have seen the report, as have many other hams, so I can assure Mr. Morrison that it is not so.—"Ham."

A Mistaken Call-Sign.

IN several recent issues of the "Radio Record" there have been reports from Mr. A. P. Morrison concerning his logging of W7AMP, of Alaska, on the 80-metre 'phone band. Mr. Morrison is mistaken in the address of W7AMP, as it is Portland, Oregon, U.S.A., and not Sitka, Alaska, as he states. ZL2BZ was in communication with him one evening recently and his correct address was ascertained then. In any case, Alaskan amateurs have a call beginning with K7, not W7. My log of shortwave 'phone stations is now in the vicinity of the 500 mark, all identified, my best D.X. on 80-metre 'phone being Canada.—W. A. W. Stevens (Hawera).

With the Experimenter

Some Useful Points

IF you are doubtful about your ability to obtain a well-finished wooden cabinet, do not forget that rexine and leathette have possibilities as covering materials.

IF your aerial runs close to your neighbour's do not share an earth with him, as this often gives rise to mutual interference.

ODD lengths of wire which would otherwise be thrown away can often be wound upon empty cotton reels, and can then be thrown into the tool box instead of into the dustbin.

IF you use a carrier strap for your accumulator on no account allow the acid to come into contact with this, for it may break when you are carrying the battery over the carpet one day, with disastrous results.

OWING to the very high frequencies used in modern short-wave work the term "mega-cycle," which means one million cycles, is coming into favour amongst experimenters.

EXPERIMENTERS who like doing delicate work will find that improved results are sometimes obtainable with a horn type loudspeaker if the two magnet coils under the diaphragm are connected in parallel, instead of in series.

WHEN fitting a potentiometer to improve sensitivity or reaction control, remember that its action must be smooth and reliable, or it will cause far more trouble than it is worth.

VERY often a short-wave set works better without the earth connection.

DO not expect a super-power valve to increase volume, because its function is not to provide this, but to handle it without distortion.

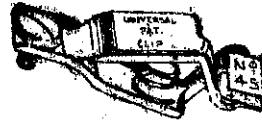
FLAT spots or dead spots in short-wave tuning are due to aerial tuning effects and can be shifted by connecting a variable condenser in the aerial lead, adjusting this when necessary.

WHEN wiring up a screen-grid valve remember that the P. terminal of the valve holder will not be the output terminal, but will supply the necessary priming voltage to the screen of the valve.

IF your set is to use only one anti-microphonic, and the rest rigid valve holders, remember that it is usually the detector which gives rise to noises, so the anti-microphonic holder should be used for it.

AN ordinary neutralising condenser makes an excellent means of loose coupling the aerial for short-wave work if connected in series. (Re-adjust the condenser if "blind-spots" are troublesome.)

A SHOCK to the telephones, such as is caused by dropping them upon the floor, is liable to damage the permanent magnets and to render them insensitive.



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(Posted 2/9.)

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