

THE RADIO RECORD

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Future Features in Broadcasting

THAT the "Highbrows" have definitely contributed to the modern development of the feature film and that it is to their influence that broadcasting in turn must look for the brains to make it more than ordinarily useful is the theme discussed by a writer "Astyanax" in a recent issue of the "Radio Times."

WHAT is a highbrow? Very few people will give the same answer to this question. It depends on the comparative height of the brows of the people you ask! One man will tell you that the highbrow is a man who snobbishly pretends to appreciate the unintelligible.

There are, of course, silly highbrows, much as there are silly people of every brow. Another, rather more sincerely, will answer that the highbrow is a person of genuine good taste, who is not ashamed to say so. On the one hand, I think you will agree that the highbrow is intelligent and appreciative—rather beyond the ordinary; on the other, that he is inclined to be self-assertive, intellectually rather priggish and vocal—also beyond the ordinary. His real taste, the subjects of his assertions, will vary. But he will possess both. And, though you will probably dislike him, you will also quite probably admire him—in a slightly furtive way.

Now, it may be disturbing, or repulsive; it may be a sign of decadence, or it may not; but the fact remains that the two outstanding artistic products of the present century are the Radio and the Kinematograph. Our present civilisation gave birth to both. The question is whether, in their turn, they will not put an end to this civilisation of ours altogether.

A good many people say that they will. They point to wireless and the screen as the outstanding symptoms of an age of vulgarity alike in living and thinking. They assert that the universal is always the third rate, and talk about selection being the basis of all true art. They are, in short, highbrows in their attitude towards modern life. (And there is a certain amount of truth in what they say.)

We find, then, that such people tend to cast disparagement on the kinema and the wireless. That is the first great point of contact between these two new Art-crafts. The second lies in the vital fact that no mere opposition, however much it may be

justified, or however well it may be expressed, has the remotest chance of interfering with their increasing possibilities and, consequently, with their influence. Both have come to stay. But it is rather curious that while the highbrows have now in great numbers gone over to and adopted the kinema, they are showing far greater hesitation to come to terms with wireless in the same way.

Not long ago it was almost impossible in this country to see any film which had not come from Hollywood with the trade-mark "for consumption by hicks" almost printed upon it in letters of flame. People talked with humour, and truth, of films "being made by half-wits for half wits," and so forth.

Then some highbrows, who had come to believe in the screen as a possible art, announced a great discovery. They proclaimed that any film made in Germany, and one or two made by certain favoured Americans, notably Mr. Chaplin, were not vulgar entertainment at all. They were serious works of art, to be treated with reverence, and criticised as carefully as a Beethoven Symphony, a Greco painting, or a novel by Tolstoy. In short, films were made safe for highbrows—and ultimately for intelligent people of all kinds.

NOW, as I have said, highbrows, though in themselves a small minority of the people in this country, make up about two-thirds of public opinion. They write and talk and move about, whereas most people are obliged by circumstances to remain more or less static, and lack the gift of expression with tongue and pen. The result was that a more critical and intelligent point of view with regard to films swept the country, not only here, but also in America. People began to take the kinema seriously—to go to special films as they go to special plays. German films found a market everywhere. German actors and directors, such as Dupont, Pommer, Leni, Murnau,

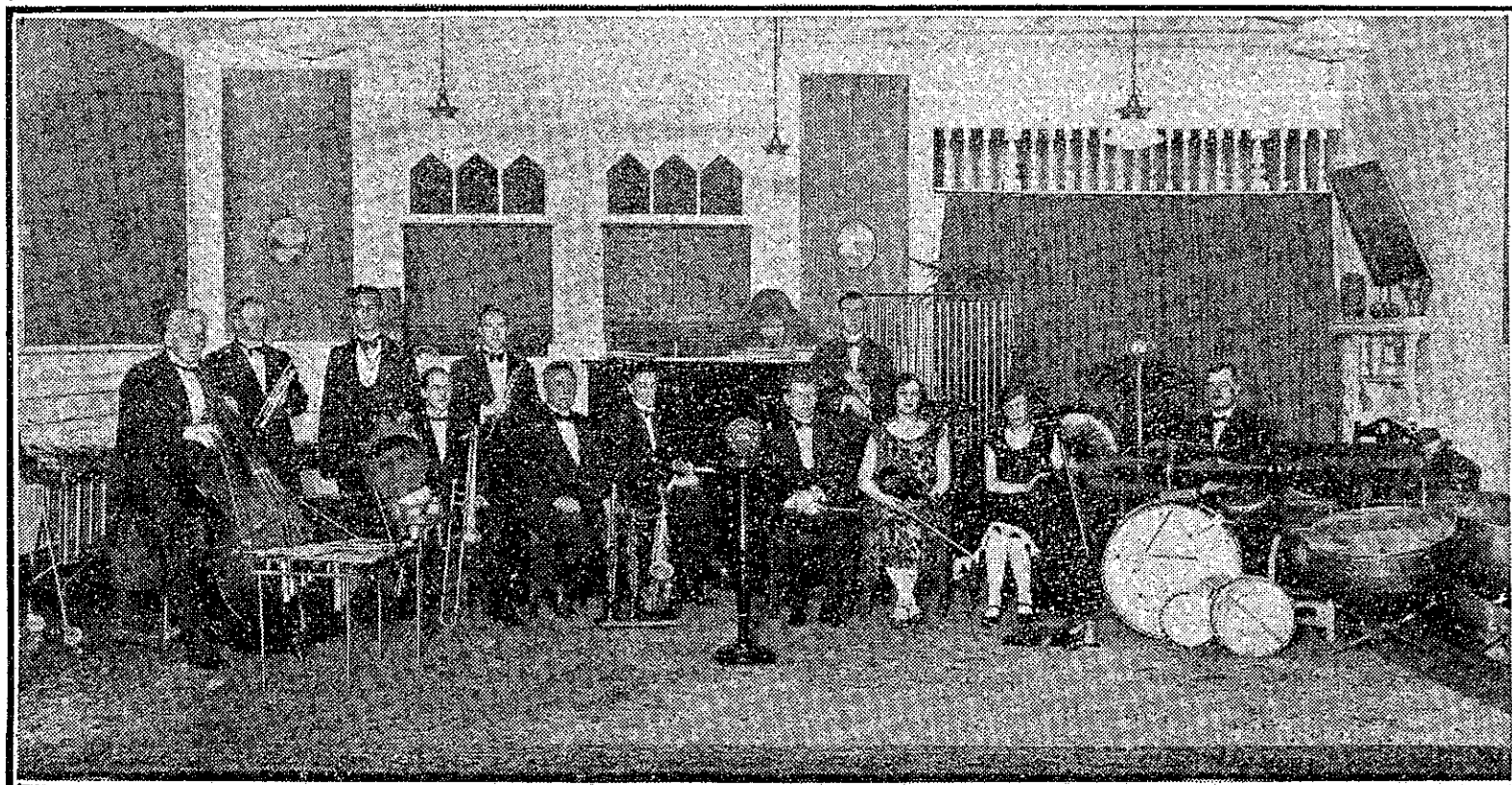
Jannings and Veidt, were seized upon by Hollywood. And even the most ordinary films began to be produced under the influence of so-called "highbrow" methods and technique.

Here comes the point that I wish to make. The highbrows had created a serious interest in a new art. It happened so, because the possibilities of the new art were always there, but could not be developed without the degree of vocal opinion which only the highbrows could supply.

THE highbrow is, so to put it, a John the Baptist crying in the wilderness. He preaches a new thing, which is strange at first, but yet, through its universality, predestined to be taken into the heart of the people, as soon as the people come to realise and understand it. He is just an intelligent person who spots the best a little in advance of his fellows. He spotted Wagner, he spotted Conrad, he spotted Emil Jannings. In time, the highbrow taste becomes the general taste, because the ordinary intelligent man likes the best in every department of art and life.

It is this serious interest and belief in the limitless possibilities of a new art which is the present crying need of Radio. I believe this interest and belief is being created, but too slowly. There is something impersonal about Radio artists and directors, which makes it difficult to achieve. Of course, it is far easier to see than to listen. And a film can be repeated and revived again and again all over the world, on the strength of a minority's enthusiasm, till it is finally recognised and generally acclaimed as a milestone or a masterpiece. To do the same thing with a new experiment in broadcasting, which occurs only once ephemeraly, somewhere in the middle of an average Radio programme, is much harder. The original cannot be repeated indefinitely, since in broadcasting, as opposed to the kinema, practically the same audience listens everywhere every night.

—(Continued on p. 3.)



The new professional orchestra of 2YA, which has met with such favourable reception from listeners. —Wallace Photo.
The names, reading from left to right, are:—Messrs. Frank Huggins, Harry Berry, A. H. F. Wright, O. J. Forrest, Claude Tucker, W. J. Bellingham (Music Director), M. T. Dixon, Geo. Ellwood (Conductor), W. E. McLean, Miss Ava Symons, Miss Lilla Hill, and Mr. L. W. Probert.

New Points For Listeners and Dealers-- By "Meter"

The aim of this section is to give listeners information of new and interesting devices and sets on the local market. It is free of advertising intent or influence and to the best of our ability will convey only absolutely reliable statements. Names, prices and sources of supply are mentioned for the benefit of readers and to save individual inquiry.



ALL radio traders would be well advised to test their cone loudspeakers before they are sold. It will be frequently found that a new cone loudspeaker will require adjustment. For the proper adjustment of a cone loudspeaker, it is essential that the pin be exactly centred in the collar at the apex. It often happens that in the rough handling of transportation the movement of the loudspeaker is shifted slightly from dead centre with the result that there is a strong tension on the pin. This limits the amount of power the loudspeaker can handle without distortion. The correct adjustment can be easily made with the aid of such simple apparatus as is generally found in the radio equipped home.

A 110-volt lamp of indiscriminate wattage, a house current plug, and a 1000-ohm resistor are required to make the adjustment. This apparatus is placed in series with 110 volts a.c. and the loudspeaker. The set screw on the loudspeaker collar is loosened and the circuit is closed. A cycle hum will be distinctly heard in the loudspeaker. The screws holding the frame should be loosened slightly and the actuating mechanism moved from side to side and up and down until the sound is at a minimum. With the set screw loosened the loudspeaker will rattle freely at this adjustment. The current is turned off and the set screw is tightened down upon the pin.

TWO 112'S IN PARALLEL.

Radio listeners in localities where there is no electrical alternating current power available need not feel that it is impossible to secure sufficient power to operate their loudspeakers properly just because they cannot tap the house lighting system and get high voltages and considerable plate current therefrom. For example,

two 112-A tubes will deliver considerable power without excessive plate voltage or current—which means that the up-country listener who has no power equipment may secure good quality and plenty of loudspeaker power from B batteries, and do it economically. The table below shows the relative power output and necessary grid alternating current voltage to deliver this power from a single 171 or two 112's in parallel. Note that two 112's in parallel with 157 volts on the plate require 16 milliamperes from the B batteries and deliver 400 milliwatts of power to a loudspeaker on only 10.5 input grid volts, while a 171, taking the same current from 135 volts, requires a grid voltage of 27 to produce 350 milliwatts. Two 112's in parallel will have an output impedance of about 2500 ohms which will work very well into the average loudspeaker.

Tube	Ep	Ec	Ip	Watts Output
171	90	16.5	11	.12
	135	27	16	.35
	157	31	18	.50
	180	40.5	20	.65
2-112's	90	4.5	8.0	.08
	135	9.0	11.0	.240
	157	10.5	16.0	.400

Reference.—Ep, B battery voltage; Ec, input grid volts; Ip, Milliamperes from B battery.

CORRECT NEUTRALISING.

DUE to the fact that the grid-to-plate capacities of any two valves is not exactly the same, a receiver exactly neutralised for one valve will not be neutralised for another. This is especially true if the type of valves are interchanged, but where one 201A valve, for instance, is changed for another 201A valve, the degree of unbalance will not seriously affect the operation of the receiver. The fact that a receiver is not com-

pletely neutralised does not detract from its sensitivity. Neutralisation or balancing is used to overcome the tendency to oscillate (this incidentally causing interference) and need not be carried beyond this point. To neutralise a receiver, a rather weak signal should be tuned in. The radio-frequency valve to be neutralised should have its filament circuit broken—by removing one of the filament wires on the socket, for instance—and the neutralising condenser adjusted until the signal disappears, or becomes a minimum. This is the best method of neutralisation that can be carried out without laboratory apparatus. The wire on the socket may be put back in place and the circuit and valve capacity will be neutralised to prevent oscillating in the amplifier circuit. This will be difficult with too strong a signal.

A FIRST-AID TOOL KIT.

If professional set builders are to be successful in building up their clientele, they must live down the bad reputation established by plumbers, who always seem to be minus some important tool when they are making repairs. To help radio repairmen to solve this problem, the Laboratory of "Popular Radio" has assembled what it believes to be the ideal tool kit—a kit that will meet practically every emergency that repairmen may have to solve. The ideal repair kit should contain not only hand tools, but a few spare parts as well, so that emergency repairs may be made in urgent cases. The outfit recommended is complete in practically every detail and small enough to be easily carried in a brief bag. The more rugged material is fitted into the bottom of the bag, while there is sufficient room left on the top so that the meters can be placed in a position where they will not be damaged.

This ideal tool kit contains the following items:—

- 1 soldering iron with holder;
- 1 8-inch round file;
- 1 counter sink;

- 1 square (6 inches);
- 1 scriber;
- 1 automatic centre punch;
- 1 6-inch ratchet screwdriver;
- 1 8-inch ratchet screwdriver;
- 1 small compass;
- 1 pair side cutting pliers;
- 1 pair flat-nose pliers;
- 1 8-inch round brush;
- 1 folding rule;
- 3 drills (1/4 inch, Nos. 28 and 31);
- 1 hand drill;
- 1 0-15 volt AC voltmeter;
- 1 0-50 milliammeter (DC);
- 1 0-600 high-resistance voltmeter (1000 ohms per volt);
- 1 pair 2000-ohm phones;
- 4 small fixed condensers;
- 3 by-pass condensers;
- 6 grid-leaks (miscellaneous values);
- 1 filter condenser (2 mid.);
- 1 roll solder;
- 1 roll friction tape;
- 1 jack knife;
- 20 feet connection wire (flexible);
- 6 testing wires with clips;
- 1 hydrometer;
- 1 brief bag.

The price of this model kit will depend somewhat upon the quality of the tools and meters used. While good meters are recommended, the beginner can probable struggle along with less expensive ones. In outside work, the most important thing is to establish the source of trouble, and a meter does not have to be extremely accurate, since a rough estimate of the voltage or output current is usually sufficient as a check-up. It will be noticed that small condensers and filter condensers are included. With modern high-power amplifying equipment, it often happens that condensers are ruptured. In such instances, a second trip can easily be saved if the repairman has the necessary replacement parts in his kit. The kit described can be made still more complete by the addition of one of each of the popular types of vacuum

valves used. For instance, one 201-a, one 171, one 112, one 226 and one 227. Also one Raytheon rectifier valve would prove extremely valuable in cases where defective rectifier valves are encountered.

One of the most important items is a set of flexible connector wires provided with spring clips. With these clips temporary connections may be made quickly, which is a great asset in checking up troublesome circuits, and in applying meters for current measurement and open-circuit tests.

VARNISH FOR COILS.

IN winding coils the usual finishing process is to coat the wire with some preparation that will render the insulation waterproof and moisture proof, will hold the wires in place, and at the same time give a mechanical protection to the insulation.

Ordinary varnish and shellac has a high distributed capacity effect that will lower the efficiency of your coil considerably. A much better material to use can be easily and cheaply made by dissolving some old scraps of photographic film in acetone.

Scrape the gelatinous emulsion from the film by immersing it in lye water, hot water, or household ammonia. The coating can be easily removed. Place the cleaned pieces of film in a bottle of acetone and cork tightly. Shake the bottle until the pieces dissolve. If the mixture is too thick add more acetone. If too thin add more scraps of the celluloid.

This material will be easy to apply, dries quickly, has a beautiful gloss, is transparent, and does not change the colour of the insulation of the wires, and binds the coil windings together.

ON THE AIR

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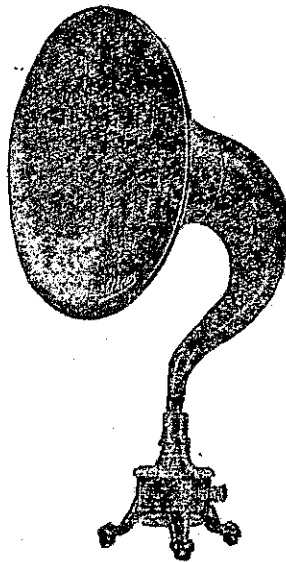
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Radio 2

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Ethovox 2000 ohms, with Metal Horn
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Ethovox 750 ohms, with Metal Horn
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The Ethovox is manufactured by Messrs. Johnson & Phillips, Ltd., Charlton, London.

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AGENTS WANTED WHERE NOT REPRESENTED.

Future Features in Broadcasting

CONTINUED FROM FRONT PAGE

RADIO should neglect no opportunity of adopting the suggestions of the "highbrow." We should be inclined to favour rather than to suspect him, for he points the way to new things—something beyond that half-way to Paradise, which is peopled with those mild creatures whose admiration is only for the "safe" and "sound" and "tried" and "accepted" things of life.

While the cinema remained constant to the Woollier West, the happy ending, and the butter-slide, it remained also an insignificant amusement, of which people were furtively rather cynical. While radio keeps along the well-worn lines of ordinarily "good" programmes, it will remain an astonishing and occasionally useful toy.

The real advantage given to the films by their highbrow sponsors was that of improved technique, which came to be applied to average films of universal and fundamental appeal. On the same lines, radio must be influenced by the minority of its vocal enthusiasts to the continual perfection of its technique. The necessary experiments may lack general appeal, but that can temporarily be disregarded as a necessary evil. And the resulting good will be applied to the immense benefit of programmes, which in all other respects will keep their universal and fundamental appeal.

Then, as in the case of the cinema, the highbrow will have done his job, and justified his existence.

THE foregoing article was followed a little later by one from Walter T. Rault, in which the same theme

was developed and carried a little further. Said Mr. Rault:—

The twentieth century has seen the birth of many new sciences and of two new arts—radio and the films. Both the arts are in their nonage; one has founded the greatest entertainment industry in the world, and the other bids fair to challenge it. The vastness and complexity of the industries have helped to obscure the immaturity of the arts. The older art—that of the cinema—has just reached the stage of adolescence, and it is passing through all the triumphs and troubles of that stage now. What lessons can be drawn from its experience to profit the younger art of radio, which is still learning to walk and trying valiantly to run?

In an article in last week's "Radio Times," "Astyanax" hailed the highbrow as the pioneer who should lead the way to better things, whilst the army of ordinary intelligent people followed after and occupied the ground floor that he had cleared. It is true that such is the whole tendency of modern art; but the trouble with an art that is already enshrined in so huge an industry is, how can the highbrow register on it? Materially, broadcasting has leapt to adult stature in five years; the intellectual pioneer has to work on an art some form of which is being produced for nation-wide audiences for eleven hours

a day. Its engineers passed out of the experimental stage before its artists had a chance to realise their problem. But the same thing happened to the cinema. How has it been overcome?

The change in the attitude of the intelligent public towards the movies, which "Astyanax" described, is, I believe, only secondarily due to any improvement in the quality of the films. Showmanship and distribution have really effected the change.

A few years ago it might be said, with sufficient accuracy, that the better, the more original and unusual a film was, the more obscurely it appeared. Whilst the ordinary commercial cinemas filled their bills twice weekly with a succession of standard products whose differences could barely be discerned, pictures of real importance appeared unadvertised at houses that nobody knew. Those were the days when people went to the pictures to while away a wet evening—or because of the dark. They correspond to the days in which people listen to broadcast programmes because it is too wet to go out, because it is easier than reading, because they hope, without real certainty, that they will hear something good, or because they take a purely technical pleasure in hearing anything coming from a long way away.

In the country, and, to some extent, in the suburbs, exhibitors still work on those lines. But even there, the incursions of the good film—now that people know about it—are being felt. And the West End of London fairly bristles with films worth seeing. The ultimate reasons for the revolution are complex—the awakening of Hollywood to the film art of Europe being amongst the chief of them; but the immediate cause is the "exclusive run."

BROADCASTING is still in the state in which the movies were two years ago, before the advent of the exclusive run. The ordinary "good" programmes are fairly well classified, for the listener who wants to be selective, into such categories as symphony concerts, light music, stage plays, radio plays, educational talks, and so on. In the same way, the discriminating picture-goer could always know whether the films of the week were Westerns, spectacular, society, slapstick, or bathing-belle. But the experiments still take their chance in the even flow of broadcasting that goes on all day and every day in the week.

The analogy to the "exclusive presentation" is the "feature programme." Just as big films are often bad, so will feature programmes often be bad, but experiments made in them will leave

their mark. The really intelligent listener who cares critically for the art of broadcasting will get to know the men who are doing good work. When a feature programme is presented by a producer or an author whose previous programmes have interested him, he will see it announced beforehand, he will note the date as the theatre-goer notes a first night; he will no more miss it than I would miss the first showing of a new Chaplin film. The Press will report its progress as it reported progress in the Cricklewood Studios when "Shooting Stars" was being made, and the critics will review it as "Sunrise" was reviewed. It will be as impossible for anyone who wanted to hear it to miss hearing it as it was for anyone who wanted to see it to miss seeing "Ben Hur." Amongst the millions of listeners (many of them probably switched on to the alternative programme on safe conventional lines), the men responsible for the experiment will find their audience of pioneers.

Broadcasting has yet to find its "big minds"—creative artists whose work will bring to the microphone as much originality of technique and imagination as big minds are bringing to the films. It should not take them from the stage. The analogy still holds good. The finest actors and producers of movieland learned their art under movie conditions; they were not transplanted from an older art. Similarly, those who are to build the future of broadcasting technique must be those who have gained experience of their medium, who live, breathe, and think in it only. Such names will mean nothing to the theatre-goer and the film enthusiast. But they will stand for something with the wireless listener. Then the conscious art of broadcasting will have arrived.

RADIO IN FILMS

INSTRUCTIVE KINEMATOGRAPHY.

At a recent meeting in Melbourne the members of the Wireless Institute of Australia (Victorian Division) were shown two educational films prepared by the General Electric Co. One showed by means of pictorial diagrams the way the current flows and the action set up in a transmitting or receiving set of standard design. By means of dots and arrow-heads, which "moved" along through the coils, condensers, valves, etc., the action is built up step by step, the dots representing the electronic flow.

The grid action of the valve was quite novel, the grid being represented as a shutter or a Venetian blind which, by its opening and closing controlled the flow of electrons from the filament to the plate.

Movement of Electrons.

The second film was designed to explain simply the theoretical structure of an atom of matter, and the movement of the electrons round the central nucleus of any atom of matter was shown very clearly, as well as the arrangement and rearrangement when two elementary atoms are combined.

The "screening" was arranged for by Mr. G. H. Neve, of the General Electric Co., who also exhibited to the meeting some new apparatus of recent design, with which he discussed the tendency in modern receiving equipment.

AUSTRALIAN LISTENERS

NEARLY 400,000 TOTAL.

According to the latest figures supplied by the Commonwealth Postmaster-General's Department, Victoria is still in the ascendancy and has more wireless receiving licenses than the whole of the other States of the Commonwealth together. The following were the respective numbers of licenses in force in the States of Australia at the end of March:—

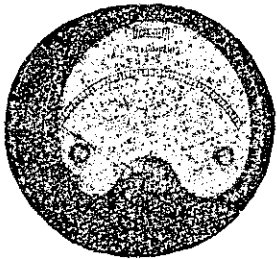
Victoria	136,481
Rest of Australia ..	126,859
New South Wales ..	75,869
Queensland	24,920
South Australia ..	19,452
West Australia	3,780
Tasmania	2,838

Grand total 390,199

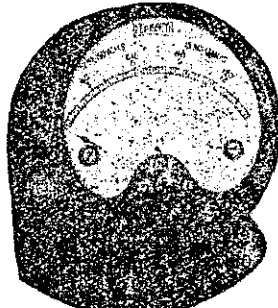
The Victorian total is estimated to be proportionately the world's record, being equal to approximately 78 licenses to every one thousand of the population.

The 1928 Paris's Latin Quarter's "vie de Boheme" contrasts violently with that of Henri Murger's day. Students are no longer content with an attic and a precarious existence, and a number of them at the Sorbonne, less well-to-do than others, have found an outlet for their technical knowledge and energies in making wireless receivers de luxe and finding a good sale for them. Their organisation is called Radio-University, and their products are available at an economic price because there is no middleman. The young engineering students occupy themselves with the mysteries inside the set, while the art cabinets are made by those at the Decorative Arts School.

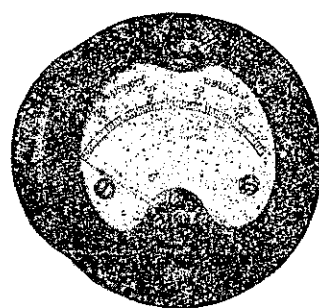
FERRANTI RADIO COMPONENTS



PROJECTING TYPE METER
Milliammeter £1/12/6 each
Ammeter.... £1/12/6 each



PORTABLE TYPE METER
0/7.5/150 V 0/20 MA. £2/10/0 each



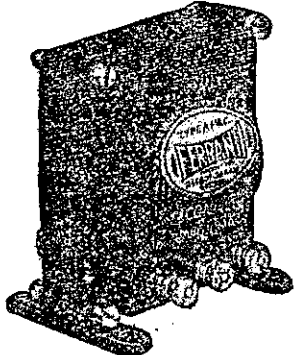
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0/7.5/150 V 0/15 MA. £2/10/0



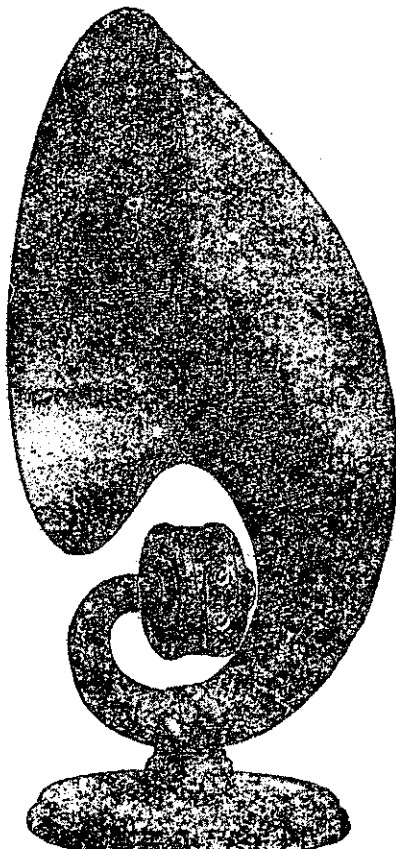
Type B1..... £1/5/0 each
B2 Choke £1/5/0 each
B3..... £1/1/0 each



AF5 TRANSFORMER
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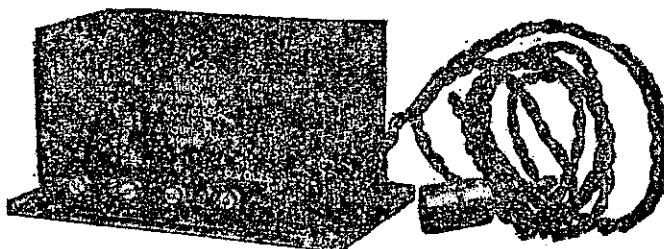
AF4C Push Pull Transformer,
£1/ 2/6 each.
AF3C Push Pull Transformer,
£1/15/0 each



SPEAKER
WITH EXPONENTIAL HORN
£3/15/0 each.



AF3 TRANSFORMER
£1/7/6 each
AF4 TRANSFORMER
18/6 each



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Wanganui: Dobbs Bros.
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AND
FROM
ALL
LEADING
DEALERS.

RADIO AND WEATHER

IS THERE SOME RELATION?

A United States Associated Press message from London, dated March 10, states:—"Does radio affect the weather?" is a question around which some controversy has arisen. The discussion came after a suggestion of the Matlock Improvement Association that the effect of radio on the weather should receive a practical test by the cessation of broadcasting for a month.

Some meteorological experts have described the theory as "absurd" and "ridiculous."

Professor A. M. Low, noted British scientist, says:

"No scientist has the right to dismiss the question of radio interference with climatic conditions as of no consequence. When one deals with a subject like this one must talk with care.

Influence Conceivable.

"Who would have thought a few years ago that an electric current passing through glass globes in England would enable a voice to be heard in Australia? Now we have accepted this as a fact, why should it be 'ridiculous' to suppose that the amount of electricity launched into the air by wireless stations should have some effect on the atmosphere?"

"There is no need to go to extremes and allege that radio on its own could cause rain, wind or storms, but it is not inconceivable that the electricity, used in broadcasting may play a contributory part toward breaking up the weather.

Effect on Health Cited.

"It is as absurd to say that the announcer's voice from 2LO causes rain as it is precipitately to dismiss the theory as beneath discussion, and assert that electricity cannot affect the weather. After all, electricity and light in certain forms have been proved to have an effect on people's health, and wheat has been assisted in its growth by artificial light.

"Therefore, there is no reason why the effect of wireless on the atmosphere should not be the subject of careful investigation. Conditions and other contributory causes would have to be studied over an extremely long period."

ETHER CONGESTION

NEW YORK AND CHICAGO.

In New York City itself there are twenty-three broadcast stations. A United States Associated Press message from New York, dated March 10, says: "Reception congestion that confronts no other listening section with such an avalanche of music and speech, has brought to the radio public of this metropolitan area a problem that bids fair to be a sticker. Stations in New York are nearly as numerous as taxicabs on Broadway and are just as difficult to dodge.

"Chicago (with 38 broadcast stations) often brags of the number of its transmitting stations, but the New Yorker has very little to say in that respect. He simply tunes in and forgets the rest of the radios in United States for the simple reason there is nothing else to do."

A new type of valve has been invented by H. J. Round, England, which has the grid element wound outside the valve, which resembles a cotton reel.

THE NEW ZEALAND Radio Record

PUBLISHED WEEKLY.

Printed Tuesdays to permit of effective distribution before the week-end, with full copyrighted programmes for the succeeding week. Nominal date of publication Friday.

SUBSCRIPTION RATES.

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No responsibility is accepted for blocks, stereos, etc., remaining unclaimed after last use, beyond a period of three months.

A. J. HEIGHWAY,
Managing Editor,
"The N.Z. Radio Record,"

P.O. Box 1032,
Dominion Buildings, Mercer Street, Wellington.

WELLINGTON, FRIDAY, MAY 18, 1928.

NOTES.

WE are particularly glad to see the inception of Sunday afternoon broadcast sessions from 2YA, and trust that it may prove possible for this innovation to be a permanent feature of this station. Country people in particular will benefit by this departure. Sundays are practically the only days that listening can be enjoyed by the hard-working rural community. Owing to the need for early rising, many rural workers are unable to listen as late on ordinary evening sessions as their city friends, hence the greater need for Sunday afternoon programmes.

THE inception of the service by a rebroadcast of Miss Maude Royden's service in the Christchurch Cathedral made it memorable as an historic event. In spite of a certain amount of extraneous noise by low-powered receivers endeavouring to receive direct, the transmission was good, and the singing of the choir and congregation will long be remembered. Miss Maude Royden's address came through very excellently. She possesses a distinctly fine broadcasting voice, full of power and personality, and thousands of backblock listeners must have been grateful for the opportunity of hearing so prominent a personage over the air. We imagine that the fact that this service was broadcast may be accepted as a tribute to the value of the system of co-operative committees established by the company, for doubtless credit in the matter belongs largely to the 3YA Church Committee.

AUCKLANDERS will be particularly pleased at the announcement in this issue that plans are in progress for the formation of an orchestra on lines similar to that of 2YA, for broadcasting from the northern centre. The establishment of this organisation has definitely proved to be a most popular feature, and if the capable personnel of 2YA can be duplicated in the northern city it will be a very fine thing for radio in general. Our Auckland correspondent indicates, in notes published elsewhere, that special enthusiasm is characterising the meetings of the Auckland Musical and Dramatic Committee, and that some interesting suggestions have been advanced for consideration. In this way these committees are justifying their formation, and proving the value of the contact thus made with the public.

"JANE" AT 2YA

LISTENERS' DIVERSE VIEWS.

As in every other class of item broadcast, the recent "staging" of the comedy "Jane" at 2YA was received with varied feelings. Two comments from the same mail-bag serve to show this.

One gentleman in Petone was provoked to writing this:—
"Just a line to friend 'Mike' of Station 2YA,
Who, last night, gave us his first Radio Play;
Well! We listened in patience, but mostly in pain,

So please, dear Mike, from broadcasting plays refrain,
Else you'll damned soon drive every listener insane!

Return to your Band Concerts, which we all enjoy
And so make everybody happy again,
Mike, old boy."

Another's Appreciation.

A correspondent, also in Petone, writes:—

"Just a word to let you know how much last night's comedy was appreciated at Petone. Everyone I have spoken to was delighted with it, and hope to have more of the same class of programme."

SPORTING

RUGBY FOOTBALL

NEXT WEEK'S BROADCASTS.

Saturday, May 26: Rugby—Eden Park, 1YA; Athletic Park 2YA; Lancaster Park, 3YA; Carisbrook, 4YA.



JOHNNY LECKIE.

Above is a photo of the Dunedin featherweight whose contest with Melton was broadcast by 2YA last Tuesday evening. Johnny Leckie is 23 years of age, and since turning professional has had one long series of victories, numbering twelve, before his bout with Melton. He is champion of his class in New Zealand, and by his defeat of Gillespie virtually champion of the featherweights of Australia and New Zealand. As Gillespie holds the Australian title, Leckie is the idol of the Dunedin fans, and his appearance in the ring in his home town is sure to result in a capacity house. He has been a great boon to the Otago Association, and has given that body a great financial lift, the takings in the Gillespie fight amounting to over £770, and returning a good profit. The majority of the bouts in Dunedin have been broadcast by 4YA, and the thanks of listeners are due to the energetic secretary of the committee, Mr. H. Divers, who also officiates at the "mike."

Johnny Leckie will go much further in the roped square and he will always prove a big draw as long as he continues to fight in his present style, which is to keep the pressure on from the start and never give his opponent a let-up. This style appeals to the "fans," who like action, and Leckie will surely be popular wherever he appears.

AUCKLAND GIRL GUIDES

Station 1YA will relay from Auckland Town Hall on Sunday next, May 20, the annual church service of the Auckland Girl Guides. The Mayor of Auckland will preside and the Governor-General and Chief Commissioner, Mrs. W. R. Wilson, will give addresses.

Christchurch Diamond Jubilee

INTERESTING FUNCTION TO BROADCAST

DIAMOND JUBILEE celebrations in connection with the founding of Canterbury commence in Christchurch on Saturday, May 26, and will continue for four days. Station 3YA will broadcast all the attractions that are suitable for broadcasting.

On Saturday, at noon, at the City Council Chambers, there will be a civic welcome to all visitors to the city, and this ceremony will be relayed.

The afternoon will be devoted to special athletic games, of which 3YA will broadcast a description of the principal Rugby match.

At night the city will be specially illuminated, and a description of the street scenes by night will be broadcast. There will also be band music and community singing in Victoria Square. During intervals in the evening's proceedings items will be broadcast from the studio, those contributing being Mr. Cyril Avondale (English entertainer), Mr. Sidney Comfort and the Studio Trio.

On Sunday morning, afternoon and evening there will be special church services, all of which will be broadcast. These services will be Congregational, Anglican and Presbyterian. Afterwards a sacred concert will be relayed from the Municipal Concert Hall, commencing at 8.15 p.m.

Monday will be another very busy day for the broadcasters, commencing at 10.30 with the laying of the memorial stone of the Memorial Art Gallery. At 12.30 there will be an official luncheon, when the Prime Minister will be present. At 1.30 a grand procession through the city will be described. Afterwards will follow high tea for the old pioneers, then a grand military tattoo, interspersing which will be items from the studio.

Tuesday will be "Children's Day" and 3YA will be on the air almost continuously from 1.30 until 10.30, when the ringing of bells and the singing of "Auld Lang Syne" will mark the end of the Jubilee celebrations.

Auckland Next

NEW ORCHESTRA
PLANNED

SIMILAR TO 2YA

THE success of the new orchestra at 2YA is everywhere proclaimed. Congratulatory messages have poured in from all quarters and the Broadcasting Company's enterprise in embarking on such a proposal has been everywhere commended. The Broadcasting Company will next turn its attention to Auckland, where the formation of a similar orchestra at 1YA is under consideration, but no date has yet been fixed for its first appearance.

As indicative of the praise which has been given to the 2YA orchestra, we take the following from the radio column of the "Evening Post" of May 10, the writer being one of the most candid critics the Broadcasting Company has had:—

"On all hands the orchestra at 2YA is being praised. Its performance, as heard in the wireless home, is not always what it should be, but the orchestra itself has more than fulfilled the highest anticipations. The writer has, owing to various engagements, heard little of it, but on Tuesday night listened to 2YA's whole programme as reproduced on a receiver of high quality, and the orchestral items were a revelation of what broadcasting can be. The party included two who have recently come from London, and they were unreserved in their expressions of appreciation of both the performance of the orchestra and the transmission. First-class performance we had been led to expect, and it is very pleasant to record that the forecast of the capability of the new combination was not exaggerated. The company and its musical director will be congratulated on all hands for introducing so fine a musical feature."

"In regard to the transmission, the writer's admittedly very limited experience suggests that special care

needs to be taken in the monitoring of the orchestral items, which make very severe demands on the modulation range of the apparatus. The transmissions have demonstrated in a very striking fashion the efficiency of 2YA's apparatus in handling low frequencies. For a long time the truthful rendering of drums was one of the most stubborn little problems of transmitter design, but 2YA sends them out extremely well, as can be heard if the receiver and loudspeaker are able to reproduce them. The average set and horn-type speaker, however, fails to do such low notes justice.

"Appreciation of the orchestra was expressed by the members of the Amateur Radio Society of Wellington at the annual meeting on Monday. It was stated that the orchestra was appreciated not only in Wellington, but in other parts of the North Island, and a letter had been received in appreciation of the music from an Auckland listener."

N.Z.

RADIO

LISTENERS'

GUIDE, 1928-29.

THIS publication will be issued next week, and will prove of outstanding value to all enthusiasts and prospective listeners.

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I've
Been
Thinking
it Over

Is radio worth while after all with all this recharging of batteries which seem to run out almost immediately—worry—trouble and expense?

It's not! But there is no need to give up radio. I've decided to give up the trouble instead, and buy an ERMCO "B" Battery Eliminator and run my set direct from the lighting mains.

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AUCKLAND, WELLINGTON, CHRISTCHURCH, DUNEDIN, AND
INVERCARGILL.

Our Short Wave Corner

The number of those interested in short wave reception is steadily expanding, due, unquestionably, to the charm of thus being able to make contact with world centres. The service available from overseas stations is steadily growing, and in view of the experimental work being carried out, the time would seem not far distant when even better service will be available. This section is therefore being set aside for reports on interesting receptions from shortwave listeners, and discussion by enthusiasts of their special problems. Contributions should reach us not later than Friday to be sure of insertion in the following issue.

Mr. F. W. Sellens reports:—A "QSL" card was received from ANE, Bondoeng, Java, recently. They give the times and wave-lengths of telephony tests as follows:—31.86 metres 1640-1840 S.M.T. (4.10 till 6.10 a.m. N.Z.M.T.) and 15.93 metres 1240-1440 S.M.T. (12.10 till 2.10 a.m. N.Z.M.T.). It is not stated if these tests are daily, apparently not, as ANE has not been heard recently that I am aware of.

A card was also received from JHBB, Japan, to whom I sent detailed report of a series of tests they conducted recently. Nothing is said about future transmission.

Listening to 2FC one evening during the week on their regular broadcast wave-length, it was announced that "In the near future short-wave stations will be erected in Sydney and Melbourne for the purpose of broadcasting programmes to be picked up and rebroadcast by interstate stations." The above statement was made after the wonderful success of the recent short-wave tests made by 2ME through 2FC and 3ME through 3LO had been referred to.

A short-wave station in New Zealand would be a good advertisement for this country. 3LO and 2FC are heard all over the world, which no doubt is good publicity.

Another week has passed without anything new to report, although I believe a powerful American station has been heard at the time I am usually listening to 2YA, 8 till 10 p.m. I very seldom go on to the short waves during this period, and probably miss something at times.

Saturday, May 5.

On tuning in 5SW at 6.10 a.m., a lecture was just concluding. This was followed by several songs. PCJJ was listened to from 12.45 p.m. till 1.45 p.m., and I was surprised at the strength they came in considering the time of day. Volume increased from tuning in till signing off and was quite good phone strength. Selections from the "Mikado" were particularly good. Speech was about 75 per cent readable.

Once before, some months ago, I tried them about that time, when they were testing, and it was only possible to hear them very faintly at times.

Instead of 2XAD being on the air as usual, it was 2XAF on 31.4 metres. Reception was very weak. They signed off at 1 minute past 11 p.m. Eastern Standard summer time (2.31 N.Z.M.T.).

At 7.30 p.m. a German was picked up on about 14 to 15 metres, speech was very clear, but not understood by me. Talks were heard by at least two voices, and the call "Achtung! Achtung! AGA" (Nauen) was heard

several times. Music was not heard. RFM was heard at 10 p.m., but was weak.

Sunday, May 6.

Each of three short-wave tests of 3LO were listened to. They were 11.15 a.m. till 11.45 a.m.; 2.15 p.m. till 3.15 p.m.; and 6.15 p.m. till 7.15 a.m. The latter one was the loudest, but nothing to be compared with their regular Monday morning transmission.

2XAF was heard at 11 a.m., which is the earliest I have picked up this station. They were soon too weak to hear; got them again later on. They signed off just after midnight E.S. Daylight Saving Time, after relaying dance music from an hotel.

IAN Auckland, 3AU Rangiora, 3AJ Rangiora and 2BO Wellington were heard testing on telephony, the latter coming in like 2YA, with gramophone selections.

Monday, May 7.

2NM (Marcuse) was very weak—just audible.

3LD, through 3ME, commenced at 6 a.m. It came over very fine, but there was slight fading at times. They stated that a cable had been received from London in reference to reception of the tests on the previous day; one test (I did not make a note of which) was received very well.

5SW at 11 p.m. was too weak to understand what was on.

Tuesday, May 8.

5SW was tuned in at 5.55 a.m., when piano items were on. A talk followed, but although of fair strength was not clear enough to understand.

I was not on the air in the evening.

Wednesday, May 9.

PCJJ was not as strong as usual. 5SW had more than their usual share of talk session. Besides the regular lecturettes, a talk about "Railways" was on from 6.30 a.m. till 7 a.m., which is the first half an hour of the evening musical programme.

During the evening I listened in on the broadcast set, and did not bother with the short waves.

Thursday, May 10.

5SW was weak, but improved after 7.30 a.m., when I had to leave. Did not hear anything in the evening except Morse.

Friday, May 11.

Big Ben was heard at 5.30 a.m. through 5SW. A talk on music followed.

PCJJ were very good, but again, with me, they were not so strong as usual. RFM, in the evening, was louder than he has been of late, but static was bad.

2AH testing was very good. 5SW was only just audible at 11 p.m.

PCJJ.

Cable advice has just been received that PCJJ wave-length has been altered to 31.4 metres; no alterations in times of transmitting.

DAYLIGHT RECEPTIONS.

Mr. S. Saunders writes regarding short-wave stations received for the week ending Friday, May 11, 1928:—

Saturday, May 5.—PCJJ, Holland, from 12.30 till 1.45 p.m. some items "Bohemian Girl" vocal. Speech in foreign language. At 4.50 p.m. I got a station on word tests—about 38 metres; closed down 5.40 p.m.

Sunday, May 6.—WGY, 2XAF at 10.30 a.m. just audible. At 2.30 p.m. band items from WFBK came in. Dance orchestra, Statler's Hotel, Schenectady, orchestra and singing. "Don't You Remember," piano and saxophone solo (some player), "Sugar," "She's a Great Great Girl," Van Schelors Orchestra, "Happy-go-lucky Day," Van Schelors Hotel, "where they dance by the candle light." Call signs WFBK and WFBK closed down 12 p.m. set N.Z. 3.30 p.m.

Sunday night 3LO, Melbourne, special transmission from 6.15 to 7.15 p.m., N.Z. time. A programme of records. Got station on 33 or 34 metres. Talk by a man and orchestral items till 10.30 p.m.

Monday, May 7.—3LO, Melbourne, announcer said: "The test carried out at 4.45 to 5.45 p.m. Sunday was received in England very well. It is nearly six months since we started S.W. work. He also said 3AR was to amalgamate with 3LO. Speech was given by Rev. J. H. Cane, president of the Church of Western Australia, and they closed down 8.10 a.m.

Tuesday, May 8.—5SW was on the air. The carrier wave has been very wavery lately.

Wednesday, May 9.—PCJJ, Holland, good strength. Calls South Africa, Canada; thanks for kind appreciation; hope you enjoy this programme.

2XAF, WGY at 2.45 p.m. not very plain. Wuritzer organ and orchestra with singing. Piano solo, "When Day is Done and Night is O'er." Organ recital, Albany Theatre. Orchestra, Buffalo Theatre. Buffalo Symphony Orchestra, overture, "Raymond." Quartet sings "Wearying For You." Orchestra, "I'm More Than Satisfied." This was a midnight programme from the Buffalo Theatre Orchestra, under the direction of Herbert Strouse, the

programme being provided by WLHA for WGY. Closed down 1.5 a.m. Set N.Z. 4.35 p.m.

Numerous "Hams" were heard during the week. Also a report that a Moscow wireless station with the call sign SOC on 55 metres, 37 metres and 23 metres, Radio Society of Soviet Russia, would give a monthly test talk. Look out for it.

The strength of stations heard on May 11 was as follows:—

5SW, Chelmsford, from 5.30 till 10.30 a.m. Medium strength, diminishing after 9 a.m.

PCJJ, Holland, good strength at 6 o'clock till 7.30 a.m., when it is medium strength.

2XAF, America, medium strength at 2.30 p.m., but mostly good strength after 3.30 p.m. till closing down.

2XAD, weak at 2.30 p.m., but gains strength at 3 p.m. when it is medium.

3LO, good strength at 6 o'clock, but inclined to fade; medium at 8 o'clock.

2FC, good strength right through; mostly at night from 9.30 till 12 p.m.

AMERICAN GIANT HEARD.

A. P. Morrison (Brooklyn).—On May 3 I had reception of a new American short-wave station. This station was logged at 8.30 p.m. A talk on short-wave broadcasting was the first thing heard, which lasted for ten minutes. Nothing was heard again till 9.25 p.m. (the station being on the air all the time). At 9.25 p.m. an announcement was made to the effect that it was 3XL (? 3XN), Brambrook, New Jersey, U.S.A., testing. From then on musical and vocal items were heard, announcements being made re identity of station between items, but no mention of the wavelength. The transmission continued on till 10.30 p.m., closing down with 3XL, Brambrook, New Jersey, signing off good-morning. The strength of the station was above anything I have heard on the short-wave band before, but modulation at times was not of the best.

[It was recently reported that a station 3XN would be operating on 50,000 watts.—Ed.]

A little time ago I received a letter from them Crosley Radio Corporation, Cincinnati, Ohio, U.S.A., in reply to reports sent in by me regarding reception of their short-wave station, WLW, with information which might be of interest to short-wave listeners:—"Our short-wave set operates on 52.02 metres, 5764 K.C., with a power of 250 watts only. We are doing some experimenting with this set, and expect to increase the power to 500 watts as soon as possible. The call letters announced are usually just WLW, although sometimes it is announced SXAL when making tests. The programme broadcast on this transmitter is our regular WLW programme after 7 p.m., E.S.T."

Now that the winter months have set in, all short-wave stations are coming in at great strength, especially the Americans. I now find it possible to tune-in 2XAD, Schenectady, N.Y., as early as 11 a.m. No doubt strength is not equal to the afternoon, but speech and music is quite audible, using 'phones.

A station I have not heard very much lately is ANE, Java. If they are operating still it is not on their usual wave-length.

I heard JHBB, Japan, testing a few nights ago on about 37 metres, but modulation was very poor. On Friday, May 3, the Dutch station, PCJJ, came in with good strength, and the announcement was made that they were operating on 30.4 metres, not as usual 30.2 metres. I have listened to 5SW, 24 metres, Chelmsford, England, at 11 p.m., but their strength is not equal to early morning transmissions, although quite audible.

On Sunday, 6th, after listening to 2XAF for a while, I tuned my receiver to about 50 to 60 metres, and found a weak carrier wave, after a little tuning, organ music was heard, then an announcement was made that the organist was Stephen Boisclair, and that another selection would be played, the item being "The World of Memory." After this item the station was announced 1XAE, Massachusetts, America, and it was mentioned that the programme was coming from WBZ. Mostly dance items were heard. After this it was mentioned in one of the announcements something about their transmitting. Their wave-length was given as 54 metres. The station closed down at 3.45 p.m., New Zealand time. On looking up an American magazine I find that this short-wave transmitter is owned by the Westinghouse Electric Company, East Springfield, Massachusetts, U.S.A.

1YA MUSICAL COMMITTEE

VALUABLE SUGGESTIONS.

The first meeting of the 1YA Musical and Dramatic Societies' Committee was held at 1YA Broadcasting Station recently. Present: Dr. Kenneth Phillips, Mr. J. F. Montague, Mr. G. T. Lee, Mr. V. Trask, Mr. K. Atkinson, Mr. C. B. Plummer, Mr. L. E. Lambert, Mr. A. Trenwith, Mr. F. McCallum, Mr. S. J. Hayden, Mr. D. Wrathall. Apologies for absence were received from Madame Irene Ainsley, Mr. N. R. McRobie, Mr. K. Brampton, and Mr. J. D. Crawford.

At the conclusion of formal business the chairman threw the meeting open to general discussion and for suggestion regarding programme matters.

The committee recommended a fortnightly review of new gramophone records for incorporation in forthcoming programmes.

It was considered that a "mystery" programme, that is, a programme in which the names of artists and the

What Difference Does a Good Earth Make?

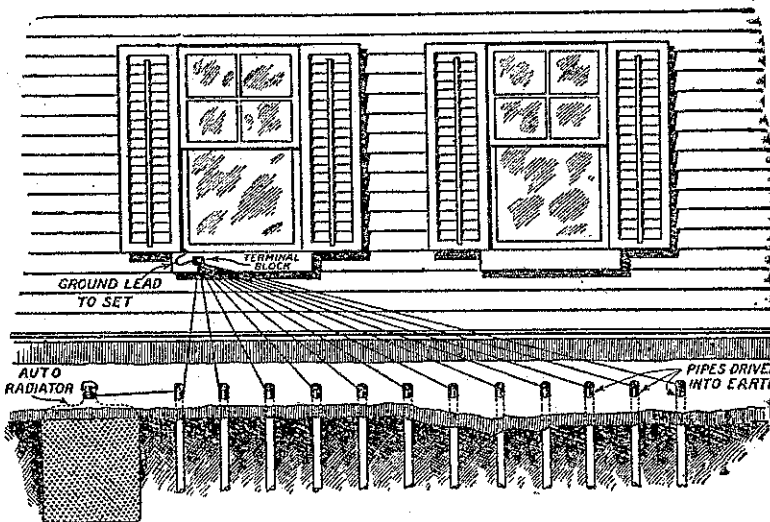
HALF A GUINEA FOR THE BEST RECORD OF IMPROVED EXPERIENCE

THE amazing feat of receiving 694 broadcast stations, including four New Zealand stations, has been accomplished by Walter Pierce, of Rhode Island, off the Atlantic Coast of the United States. This feat, in itself remarkable, is made the more notable by the fact that it was attained on a Two Valve set of a make popular a few years ago, but now entirely off the market. The explanation of this extraordinary feat lies in the very efficient "earth" system developed by Mr. Pierce.

THE full story of Mr. Pierce's equipment and attainments was given in our issue of March 30. That article caused a very great deal of interest amongst radio listeners, and we have heard of several instances where it has been applied in New Zealand, with a remarkable improvement in the strength of reception of a number of overseas stations. Anything that improves the quality of reception is wholly to the good of radio in general, and in order to encourage appreciation of the need for thoroughly good equipment in the subsidiary attachments of radio—good aerials and good earths—we would like to know some of the details of the improvement that has been effected.

WE are therefore offering a prize of Half-a-Guinea for the best account of improved reception effected by the use of either Mr. Pierce's system of earthing, or any other specially good earthing device that has effected a particularly marked improvement in reception.

For the benefit of competitors, and intending competitors, we describe herewith the earth used by Pierce, and give an illustration of same as well.



The account of Pierce's system said:—Outside the window there was something unusual. The wire that led from the ground connection on the receiver out through the window ended at a binding post on a porcelain base. From this post twelve wires led to the same number of pipes or other pieces of metal embedded in the ground (see illustration). Pierce said that he found that each new ground connection increased selectivity and reduced the effect of body capacity; so he added one after another.

A leaky automobile radiator was sunk in the ground, at the end of the row of pipes, with its caps just above the surface so that water could be poured into it. Circumstances alter cases. On a car, that radiator could only have inspired profanity; here it was an ideal device for keeping the ground connections wet. The ground clamps on the pipes were bright. Pierce said that he put on new ones every few weeks. It became evident that his phenomenal record was not the result of accident.

The aerial is 110 feet long and 26 feet high; it points N.N.E., with the set at the southerly end. Two glass insulators in series at each end prevented the escape of energy. The wire was of bare copper which, Pierce said, gives better results than tinned copper. He puts up new wire, to replace the old every few months, or as soon as corrosion becomes noticeable. The aerial is kept taut, to prevent swinging.

THIS Competition will close on June 30, in order to give time for the system to be installed, if desired, and the improvement noted.

THE decision in the Competition will be determined upon the excellence of the general account of the installation and the improved reception recorded. What we want are facts that will be useful to other listeners, as emphasising the improvement that can be effected by care in details and proper equipment. Letters should be addressed to "The Editor, 'Radio Record,' P.O. Box 1032, Wellington."

items rendered would not be announced, would be appreciated, it being left to the listeners to pick both the name of the person rendering the item, and the item.

The committee further suggested a scheme by which it was hoped to secure further talent.

The chairman remarked that he had frequently come across people with the opinion that doors were closed to new talent, whereas exactly the opposite was the case, and the station was anxious to secure sound and suitable fresh talent.

A series of programme suggestions were brought forward by Dr. Kenneth Phillips. The committee felt that the suggestions formulated, being of a comprehensive and constructive character, required special consideration and it was decided to place them

on the agenda paper for discussion at the next meeting to be held on May 18, at which Mr. W. J. Bellingham, the company's director of music, will be present.

Mr. C. B. Plummer advised that arrangements had been made by which the Choral Society had offered two excerpts from the final rehearsal of the forthcoming Oratorio, "Elijah," to be broadcast from the Choral Hall on Tuesday night next, and it was felt by members of the committee that the Choral Society's action in this respect would be greatly appreciated.

A scheme was under consideration for the exploitation of outside talent, and it was hoped, by some means, to arrange for the talent from any particular town or district to be utilised.

WHAT'S RIGHT IN RADIO?

Consult

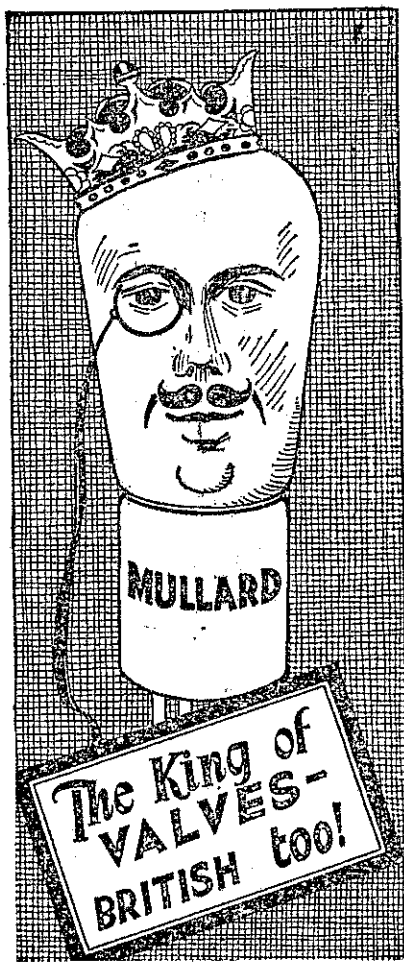
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By VERITY.

The "Better Way"

RESULT OF MAY COMPETITION

THE standard of excellence of the entries sent in for the May "Better Way" contest is most gratifying. The "Better Way" of cleaning chimneys receives the prize of half-a-guinea, and the following nine hints submitted each each receive a fee of half-a-crown. The Rules and closing date for the June Competition will be found on this page. Competitors are specially requested to write on ONE side of the paper only, as many excellent ideas are disqualified through lack of conformity to this rule.

INSTEAD of all the inconvenience of the sweep, readers should try placing some zinc shavings crushed in a ball and placed in the centre of a clear, hot fire. This will give off a bluish flame, and will clear the chimneys of soot.—From Mrs. O. FitzGerald, Avonside Vicarage, Christchurch.

To Boil Rice.

THE easiest way and decidedly the best way I have found—yet I have never seen this recipe given in any cooker book or in any paper.—3 cups of boiling water containing a little salt, 1 cup rice washed in 2 (at least) washes of cold water. Pour washed rice on to boiling water; boil on cool part of stove with lid of saucepan on. Do not stir at all. When rice has used up all the water and looks to have holes in it, put it on the back of the stove to steam until wanted. It is supposed to take 20 minutes to cook, but I allow from three-quarters of an hour to one hour.—From Mrs. J. W. Peek, Rural Route 1, Tauranui.

Non-Slippery Lino-polish.

THIS is a recipe for a non-slippery lino polish. It can be wiped over with a damp cloth without re-polishing, and will not show footmarks. Put one cup of hot water and one oz. of beeswax into a tin, and stand on the stove until melted. Then remove from the fire, add half a cup of turpentine, and one tablespoon cloudy ammonia. Stir well until the mixture becomes creamy.—From Mrs. Jolley, Pihama, Taranaki.

A Time-Saving Notion.

HERE is a time-saving notion that is sure to appeal to most women—we all find our days much too short. Biscuits—home-made ones—are always in demand, yet we hate making them, for the rolling and cutting takes such hours! But next time try this: shape your dough into one or two rolls, about two inches in diameter, and slice into biscuits with a sharp knife. If you have an ice chest, mix your dough in the evening, shape into logs or blocks, and leave it in the ice chest over night. Your dough will be easier to slice after being chilled, and the baking won't take long.—From Mrs. C. Weinstein, 9a Grass Street, Oriental Bay, Wellington.

To Clean a Grate.

I FIND a better way to keep a fireplace that is in constant use is first to apply a coat of grate enamel, then touch up when required with boot-nugget brush and pad. It keeps a brilliant appearance, is economic, and clean.—From Mrs. E. Pound, Ward Street, Cobden, Geymouth.

Repapering a Room.

WHEN next repapering your bedroom or bed-sitting-room order one or two extra rolls of paper, and get the paperhanger to repaper both sides of your bedroom screen to match the walls. The screen can be used for various purposes, namely, to conceal a washstand or dressing table, and transforming a bedroom into a sitting-room. This should appeal to the bachelor girl.—From Mrs. F. W. Harrison, 52 Market Road, Epsom, Auckland.

An Appetising Dish.

TAKE six or eight mutton chops or pieces of beefsteak free from fat, and lay in a pyrex dish or shallow basin or bowl. Dissolve two table-spoons of flour in one cup of cold water, add pepper and salt to taste. Then add to mixture one small dessert-spoonful of vinegar, a pinch of baking soda, one teaspoon of sugar, and, lastly, one dessert-spoonful of tomato sauce, or half that quantity of Worcester sauce. Pour this mixture over the meat and cover well with lid. Cook for two and a half hours in a moderate oven. This dish will be a dark brown colour, rich, and tasty, and will make any meat tender as well. Serve very hot with mashed potatoes.—From Mrs. F. W. Scott, R.D. Southbridge, Canterbury.

Potted Tomato Paste.

TAKE three tomatoes and one onion, cut up small and fry in 1oz. of butter till they can be mashed smooth; add pepper and salt to taste. Stir in an egg quickly. Take off fire and mix in 2oz. grated cheese and 2oz. breadcrumbs, and mix thoroughly. Put in

jars, and if not wanted at once pour melted butter over and tie down.—From Mrs. Graham, 64 The Crescent, Roseneath, Wellington.

Two Useful Notions.

WHEN planting very small plants, which must be held to the ground, peg down the stalk or runner with a

hairpin. These have the advantage over wooden pegs of not attracting wood lice. They are also very secure.

Perhaps when making a seed and plain cake, one does not have room for two tins on the same shelf, and, of course, the batter must be cooked immediately. In order to overcome this difficulty, take a tin large enough to hold all the cake (in spite of two entirely different mixtures). They may be baked together, merely separated by a paper buttered on both sides. This ensures perfect baking.—From Miss Mavis Manthel, 2 Waitoa Road, Hataitai, Wellington.

TO-DAY AND TO-MORROW

True Piety!

A Scotsman was walking with a very pious man down the streets of Halifax. On passing the Cathedral the man raised his hat, and the Scotsman seeing this did the same.

Later a friend said to him, "Sandy, you're getting very pious, raising your hat as you pass the Cathedral." "Was that the Cathedral?" he replied. "I thought it was the Bank of Montreal!"

From "Where Family Life Fails."

Children are psychic beings. They are sensitive to unspoken thoughts and unexpressed emotion. If there is discord between their parents, even if it is veiled, they feel it. If there is an ugly mentality pervading the house, they sense it at once, and are probably influenced by it for ugliness. I believe that normal children are innocent, and I find them the only attractive people, taken en masse, in the world. The tragedy is that as they grow up they grow less and less attractive, until indeed they become people like ourselves.—Mary Borden.

Lord Mayor's Overdraft.

The Lord Mayor of London, proposing the toast of "The Drapery Textile and Women's Wear Exhibition" at a luncheon in connection with the exhibition, said: "For years past I, like a good many other husbands, have been in touch with many of the fascinating things we have seen at the exhibition to-day. Years after, when looking into the cause of my overdraft at the bank, I have seen that it is your trade which has been the cause of it."

Poems for Little Ones.

The hundreds of adults who are listeners in the children's hour, at 3.0 will be delighted with the series of quaint little "Poems for the Littlest Ones," from the pen of Mrs. Frame, a well-known Melbourne verse writer, who, for some time past, has been concentrating her gifts on rhymes for the wee ones. Under the magic touch of this clever writer, who seems to thoroughly understand what the little ones want—everyday objects appear in a new and delightfully novel garb—and the young folk are taught to appreciate the beauties of nature and to regard them from a keenly interesting viewpoint.

For the Male Shopper.

In the "first street in Europe" (Regent Street, London) stands a man's store which completely disproves the theory that man has not the shopping habit. Even the man who has not hitherto embarked on the uncharted seas of shopping need not hesitate to visit it, for everything has been done to simplify his task and to make it a pleasant one.

He can choose a complete tropical outfit for an attractive "pullover" in a spacious room decorated in Tudor style, with the walls of Napoleonic oak. Overcoats, sports clothes of every description, dressing gowns and bath robes, have their appointed places on other floors. He can also view his reflection in a dress suit under the conditions in which he will eventually wear it.

Lounge suits occupy another floor, and since they are available in more than 114 sizes, even the "last-minute" purchaser should have no difficulty in getting a perfect fit.

The Man in a Hurry.

Shirts in glass cases are displayed on the first floor. There are white ones and innumerable coloured varieties in neat, quiet designs. The denim cpi is a coloured shirt, tie and collar of the same material.

The ground floor is devoted to ties, collars, handkerchiefs, gloves, and umbrellas, but it is perhaps in the basement of this store, where mere man's triumph over the feminine shopper is complete. It contains a large, hygienic barber's shop, and opening out of it a bathroom and a series of well-appointed dressing and changing rooms.

Here a man may arrive with a hastily packed bag, en route for a hurriedly arranged holiday. He may deposit his suit case in a dressing-room, take a bath, be shaved, and return to his dressing-room to find his clothes valetted for him and ready to be put on. His hat can be cleaned and ironed, and collars, ties, or shirts that he has forgotten to bring may be bought on the premises.

COMPETITION RESULT

(Continued.)

Some Excellent Hints.

WHEN blackleading the range, use a brown paper bag instead of a glove for protecting the hand. The bag can be discarded and a fresh one used each time.

For a bad cough an excellent remedy is a teaspoon of slightly warmed vaseline for an adult, and half the quantity for a child. This will cure in no time.

If the carpet edge is curled, paste thick starch along the edge, place brown paper over starched part, and press with a hot iron.

Fruit and vegetables will not stain the hands if cut with a rustless knife. Cold in the head can be cured by taking two or three doses of bicarbonate of soda in half a cup of water, using a little less than a teaspoon of soda.

Thick boiled starch placed on clean linen is excellent as a poultice for drawing poison, etc., from wounds. Should be used while hot for preference.

Half a lemon sliced is excellent for whitening clothes if boiled with them.—Mrs. H. W. Cockerill, 10 Rata Road, Hataitai.

No. 2 Competition---"The Better Way"

ALL women whose homes are to them a source of abiding interest and delight, have their own treasured secrets of housekeeping: It may be an unusual recipe, a scheme for brightening an uninteresting room, a labour-saving notion, an idea for decorative work, a dress or toilet hint, or a pet economy. There is always a special method of performing various household tasks—the "better way." "The Radio Record" offers a prize of half a guinea each month until further notice for "Better Ways" from our women readers. The right is reserved to publish any entry not awarded a prize on payment of a fee of 2/6.

Entries must be written in ink, on one side of the paper only, and the name and address of the competitor should be written on the back of each entry.

The June 8 "Better Way" competition closes on June 11, and the result will be announced on the women's page on June 15.

All entries to be addressed: "VERITY," c/o "Radio Record," Box 1032, Wellington. (Pen name may be used.)

The Letters of Annabel Lee

MY dear Elisabeth:—"Does everything go wrong as usual?" wrote Voltaire long ago in a postscript to a letter. And there are times that come, individually or to the herd, when the baleful light of an evil star seems to glare upon us. So felt the community when it heard of the severe illness of the beloved Chief Justice; and in the Capital City the one and only morning paper was snatched at with even more than the wonted daily determination to get first look, in order to know the latest bulletin. Sir Charles Skerrett has ever turned to the world so kindly a light of princely hospitality, good comradeship and true sporting spirit amid the changes and chances of life, that we have been very triste over his illness, and everyone rejoices that the ordeal is over and all is well.

Possessing a personality of the most beguiling, a musical voice that utters wise, witty and noble thoughts, preaching a tolerant creed in a world in which, alas, so many creeds are far indeed from sweet reasonableness; graceful of gesture, fearless of expression, Miss Maude Royden moves on her way throughout our Dominion, scattering around her, as she goes, an aura of beautiful achievement and high resolve. Fortunate is New Zealand to see and to hear this great woman, who from the midst of English prejudices and English conservatism, emerged as a spiritual torch that has lighted, and will light, the lamp of faith, hope and charity in many a dark place of the soul. Sincerity and selfless service, these are attributes that lift the latch of the heart of all; and when allied with a knowledge of the wider world and a great gift of oratory, prove a moving force in the cause of righteousness. Even the smug and the fat-minded (to use an adjective beloved of Mr. Michael Arlen) are impressed, and go their ways a little softer, sadder when they glimmer something of nobler aims and ideals co-existent alongside selfish preoccupations, profiteering, and silly scramble for places in the social sun. At the Civic welcome accorded by the Capital City to Miss Royden, the audience was cordial, and the speakers at their good best, in especial the Bishop of Wellington voicing witty and gracious welcome to the distinguished visitor.

Ensembled in silk and moracain of nutmeg brown, slim coat pleated by a London tailor, than whom none is more skilful, jumper dress reaching distinction by means of deft, tantalising

reveals of Oriental embroideries, Evangeline lured me to the Exhibition now shown in the Whitmore Street Gallery, which is demurely perched in so sequestered a spot that 'tis the easiest thing in the world to pass it by unnoticed. In my ramble through the rooms, I admired much that was good, and some that was better than good, reflecting how undeniably the standard of achievement has soared within recent years. The influence of Sydney Thompson's One-Man show of a year or so back is apparent in bold treatment of colour and sweeping workmanship of some younger painters; while Mrs. Tripe's work is, as ever, original and arresting, one sunshiny study of trees and water being a pure joy. There are some charming subjects gleaned by Mr. Murray Fuller in his sojourn on the Continent, good in draughtsmanship and in colour so appealing as to be provocative of a pang of envy. Also Miss D. K. Richmond's zinnias are so gorgeous as they flame and beckon that one longs to carry them away and hang them in just the right surroundings. Another flower study, as beautiful though entirely different in subject and treatment, is Miss Stoddart's sweet primroses and catkins, of a design and execution very perfect and lovely. Two of Nagent Welch's pictures I liked, while of the younger men Marcus King's daring treatment of colour is attractive. Intriguing are both promise and performance of E. D. Jackson, whether her subject be sparkling wavelets breaking on rocks that really look like rocks, or admirable sketch of the head of a grave-eyed girl in a blue gown, drawn with truthfulness and skill, the modelling of face and head excellent, thought and experience shining from the blue, brave eyes of the model. Mrs. Jackson should go far in an art the difficulties of which she faces up to so gamely.

If bored or worried, if the world is awry, your figure too large or your bank balance too small, you cannot do better than pack up your troubles in your vanity bag and go to see "The Ringer," where you will forget them all. Mr. Edgar Wallace's play is extremely good in its genre, and Mr. Moskovitch himself, it goes without saying, very able in his portrayal of the unscrupulous trader in men's souls. Very sinister did he appear, with his mobile face and figure of grace; while Mr. Nat Madison, as Sam 'Ackett, a humorous jailbird, is just as good as we have grown to expect this versatile young

actor to be in everything he undertakes, alike in conception and finish of detail. Mr. Newson, as D.S.O. and Detective, moves and speaks very well indeed; and the whole of the cast is good, particularly the distinctly attractive Cora Ann. Dr. Lomond is beyond praise; he arrests our attention from the moment he ambles on to the stage, in his excellent makeup and portrayal of a son of Scotia, just as though he had wandered in from Manners Street. This big part is played by Mr. Patrie Curwen excellently well, with reticence and consistent appreciation of its subtleties; and we delight in him as, sagging in his chair, or wandering absentmindedly about the room rolling a cigarette, he delivers himself of his droll, shrewd, essentially Scottish comments. Things rush along to an exciting denouement, and the huge and unusually well dressed audience on the opening night was delighted with the play, which went with a bang from start to finish.

Speaking of melodrama, Mr. Hugh Walpole's successful excursion into that particular field of literary endeavour was a terrifying novel, "The Man with Red Hair," which has now been dramatised, with such sincerity that one hears of a hardened dramatic critic being made so literally sick by its realism that in haste and horror he had to leave the theatre; and I don't wonder if the play closely follows the story.

After a spell of this kind of thing, she whose mind to her a kingdom is turns with relief to fresh fields of literature; perchance some gentle modern verse, which still is to be found, though not much of it. Mr. Gerald Gould, for instance.

My love is fair, she is better than fair to me;
She puts me in mind of a wild white seagull flying over the sea;
She puts me in mind of a dim wind going softly in the grass,—
Of things remembered and young things and things that shall come to pass.

Always from a boy, as I walked the evening road
And saw the curtained windows where the warm light glowed,
I have desired little children, and old songs, and sleep,
And an ache has come in my throat for the need I had to weep.

Strange that tender things, and the sweetest, are so often written by men.

Your,
ANNABEL LEE.

Some Features of Next Week's Programmes

"TANNHAUSER" AT 1YA

The next opera to be produced at 1YA by Madame Irene Ainsley will be "Tannhauser." In it are many songs which have become famous.

Wagner probably got the idea for "Tannhauser" from many books of legend, poems, and later versions of the story of Venus's enchantments and her fatal influence upon one of the band of "Minnesingers," or Minstrels, who took part in the contests of song (or, rather, originally, as it would appear, of poetry) held by Hermann, Landgrave of Thuringia, in the thirteenth century.

The outline of the story is no doubt familiar to most listeners, concerning as it does Tannhauser's struggle between good and evil, between his love for Elizabeth and his fascination by Venus. The vocalists will be Miss Nancye Hanna (Elizabeth), Mr. Robert Peter (Tannhauser), and Mr. John Hogan (Wolfram). The principal songs from the great opera will be sung, including the well known "Pilgrims' Chorus."

Mr. John Hogan, whose name appears above, is a newcomer to the microphone. He is a fine baritone singer. Earlier in the evening, in the studio concert preceding the scene from "Tannhauser," he will be heard in "A Wayfarer's Night Song," by Easthope Martin.

During this concert session Madame Ainsley herself will sing "A Sabbath Morning at Sea," from Elgar's "Sea Pictures," and Hullah's well-known "Three Fishers," while Thomas's "O Vision Entrancing" will be among tenor solos to be sung by Mr. Robert Peter. Soprano solos will be rendered by Miss Nancye Hanna, including "It is not because your heart is mine." Flute solos will be rendered by Mr. V. Bedford.

Mr. A. B. Chappell, in continuing his talks on Old New Zealand, has for Tuesday evening chosen to speak on "A Baron's Claims."

The major portion of Wednesday evening's programme will be provided by the well-known and popular Auckland Artillery Band, under the baton of Lieut. Eustace Tregilgas. The band will render a wide and varied programme, the main items of which will be a pot pourri entitled "A Musical Switch," a descriptive fantasia, "A Military Church Parade" and a novelty selection, "Operamania." A brass quartet comprising Messrs. Hogg, Davies, Finlay, and Edgar will be heard in Rimmer's "The Pilgrim," while the cornet duet "Besses of the Barn" will be rendered by Messrs. Davies and Hogg.

Assisting the band on Wednesday evening will be the well-known Hazell-Sutherland Duo, and a newcomer to the "Mike," in the person of Miss Maisie Carte-Lloyd. Miss Carte-Lloyd is well-known in elocutionary and concert circles in Auckland, and should prove popular with all classes of listeners. Her elocutionary items will be "The Law of Death" and "Man," while a humorous number will be "Mrs. Murphy on Honesty."

Contributing the major vocal portion of the programme, Mr. Barry Coney's Quartet will, on Thursday evening, sing "Softly Fall the Shades" and "Stars of the Summer Night." Mr. Coney himself will sing, "I Am Fate" and "Danny Deever." Miss Dorothy Yond's soprano solos will be "D'Hardelot's Wings" and "Hurry Up, April," while "Parted" and Godard's

"Angels Guard Thee" will be the tenor solos to be sung by Mr. George Barnes. Miss Martha Williamson will include among her contralto numbers "Waters of Minnetonka."

The Auckland Trio will contribute Dvorak's "Trio in B Flat—Allegro Molto," and a selection of German's "Henry VIII Dances" and Grieg's "Holberg Suite" will be performed by Mr. Cyril Towsey.

Those old favourites, the Asquiths, will again entertain from 1YA on Thursday evening with a thirty-minute drawing room entertainment, which will include a number of new novelties, popular songs, and stories. Also contributing to the lighter side of the programme will be the well-known Bohemian Trio, in a wide selection of popular instrumental and vocal harmonisations, including "Tellin' the Birds, Tellin' the Bees," "When You and I were Seventeen," and "Music With my Meals."



MADAME CORA MELVIN.
—Photo. Homer Studio.

Madame Cora Melvin has successfully taken the part of "Marguerite" in the Auckland Choral Society's production of "Faust," for which she received very complimentary Press reference. She has sung for the Bohemian Orchestra on several occasions, and is well-known in recitals with Mr. Day in her home town, Tauranga.

Both these artists appeared in the Hamilton production of "Cingalee" and "Hook of Holland." Madame Cora Melvin took the part of "Nanoya," and Mr. Day that of "Veroka."

On Friday, listeners will again have the pleasure of hearing Madame Mary Towsey's Quartet in concerted items and solos. The quartets will be "Sympathy," by Frial, and "Be Still, Be Still," by Scott. Liza Lehmann's famous "Four Cautionary Tales and a Moral" will be sung by Madame Mary Towsey and Mr. John Bree, the various numbers being:—1. Rebecca (who slammed doors for Jim, and perished miserably). 2. Jim (who ran away from his nurse, and was eaten by a lion). 3. Matilda (who told lies and was burned to death). 4. Henry King (who chewed bits of string, and was early cut off in dreadful agony). 5. Charles Augustus Fortescue (who always did what was right, and so accumulated an immense fortune).

An outstanding item on Friday evening's programme will be a one-act comedy entitled "Just Fanny," to be performed by the Auckland Comedy Players and Mr. J. F. Montague.

A vaudeville artist of the first rank—in fact, a whole vaudeville in himself. There seems to be little that this versatile gentleman cannot do. He has played a variety of musical instruments since he was a boy of ten, when he was ringleader in forming a school drum and fife band. He has been a bugler and a drummer, and played in brass bands and dance orchestras, and toured with concert companies. When required he can give musical monologues or character sketches. He can whistle to "bring down the house," with either mouth, tin or Swanee whistle.



MR. HERBERT SMITH.

—Webb, photo.

The popular Lyric Quartet, assisted by Miss Alma McGruer, will again be heard in a selection of concerted items and solos. The quartet will render the "Wedding March" (from the opera "Lohengrin," by Wagner), and the novelty number entitled "A Ghost Story." This has been arranged by the Lyric Quartet, and will introduce a number of novel effects and incidents. Miss McGruer's numbers will include "The Pipes of Pan," and with Mr. Ripley a duet, "Keep on Humming." "The Star" will be admirably suited to Mr. A. Ripley's sympathetic voice, while Mr. Ernest Thomas will sing "A Rollicking, Rolling Stone." Mr. Alan McElwain will again be heard in humorous items, and Mr. Herbert Richards will include among his items "Come, Sing to Me." Other numbers by the quartet will be "Rock in the Wind," by Parkes, and "Spin, Spin," a Norwegian folk song. Following the studio concert the Dixieland Internationals, under Clyde Howley, will be heard from the Dixieland Cabaret in dance selections.

On Sunday evening the Beresford Street Congregational Church will provide the service to be heard on relay. The preacher will be Mr. W. J. Mains. Following the church service the Municipal Band, under Mr. Christopher Smith, will render a programme of band selections from the Auckland Town Hall.

NOTES FROM 2YA

On Saturday, May 19, the Melody Four, in response to several requests, will repeat their original arrangement of "Drifting and Dreaming," and will also present two other concerted numbers, "Baby Feet go Pit-a-Pat Across the Floor" and "Spin Spin." The last named is an unaccompanied quartet, the melody of which is taken by the baritone voice, while the harmony is provided by the remaining three voices. The solo items will include "The Admiral's Broom," "Jack a Day," "Postillion," and "Bird Songs at Eventide."

The Ariel Singers will present a miscellaneous programme on Monday, May 21st. Most of the numbers will be of the popular type, such songs as "Caro mio ben," "Border Ballad," the operatic "Mignon," and the duet "Mountain Lovers," requiring no introduction. Mallinson's "Sing, Break into Song" is a modern English composition of great beauty, whilst the old English song "Phyllis Hath Such Charming Graces" and the quartet arrangements of "The Ash Grove" are quite interesting. The Ariel Singers will also present two more of the ever-popular "Sea Shanties."

Their next recital will take the form of a classical "Modern English" evening, and will include, for the first time at 2YA, vocal items with accompaniments other than for piano.

Mr. A. Stanley Warwick, the well-known elocutionist, will contribute acceptable items, and Mr. Sargent will entertain with bright songs at the piano.

Another fine programme of vocal items has been arranged by the Orpheus Quartet for Tuesday, May 22nd. From the opera by Mozart, "La Clemenza di Tito," is taken the quartet "To Rome's Immortal Leader," and then there is "The Sherry Time" by Leslie. Numerous requests have again come in for the "Volga Boat Song," and this will again be repeated. Mrs. Alice Harris sings "I Mean to Marry a Man," from the musical comedy "The Girl Behind the Counter." Miss Lily Mackie will sing "Thoughts have Wings," while Mr. Arthur Coney's contribution is "Row Gently Here," by Schumann. Another request is for the popular duet "Glow, Glow," from "La Mascotte." This will be sung by Mrs. Alice Harris and Mr. Len Barnes. The latter will again contribute some of the gems of classical song, "Thou art so like a Fowler," by Liszt; "Still is the Night," by Abt, and the wonderful number by Schubert "The Erl King." Mr. Doug. Stark's humorous contributions are always welcome. Further variety will be afforded by a short organ recital by Mr. H. Temple White (relayed from the organ of Taranaki Street Methodist Church), while a specially interesting item will be a lecturette on "The League of Nations," delivered by the Rev. Dr. Gibb.

On Empire Day the Clarion Quartet has confined its numbers to those of more or less national character—only British composers being used.

Ireland is represented by a quartet arrangement of "The Last Rose of Summer," Scotland with "Bonnie Mary of Argyll," to be sung by Mr. Will Hancock. Mr. James Cooke is singing a sea chanty, "Time to go,"

Mr. Frank Skidner "My Pretty Jane" and "The Fortune Hunter," by Willey, a New Zealand composer. "Home, Little Maori, Home," by Alfred Hill, will be given as a quartet, and Mr. Ray Kemp sings "The Fishermen of England," by Montague Phillips, and he will also sing "Land of Hope and Glory," by Elgar (with quartet chorus).

Miss Alma May will be associated with the vocal portion of the programme. The instrumental music will be provided by the Municipal Tramways Band, under the conductorship of Mr. T. Goodall.

The Apollo Singers have provided a rich bill of fare for the 25th inst. Their quartet numbers will be "Drink to Me Only," a very popular number by Melish, and "Londonderry Air," a traditional Irish song. Miss M. Goodwill will be heard in "If Thou Wert Blind," by Johnson; Mr. H. Chudley



MR. NORMAN DAY.
—Photo. by G. F. Jenkinson.

Mr. Day is well known in school musical circles, having been responsible for the inauguration of an orchestra at the New Plymouth Boys' High School, and his painstaking efforts in this connection have received wide recognition in the Tairānaki district.

The Hamilton East School Choir, under the direction of Mr. Day, won the Parker Hill Cup in connection with the Waikato Winter Show on three successive occasions.

Mr. Day has sung at several municipal organ recitals, and also with the New Plymouth Male Choir. He has appeared as assisting artist with Miss Constance Leatham, the well known New Zealand pianist.

is to sing "Lullabye," by C. Scott; "Roses of Picardy," a well-known melody by Hydn Wood, and "Floral Dance," a typical Cornish song, by K. Moss, will be Mr. E. W. Robbins' contributions; Mr. S. E. Rodgers will sing Leo Aitken's ever-popular Irish song, "Maide My Girl"; and Messrs. Robbins and Rodgers will be associated in the duet "Watchman, What of the Night." The two Boiled Owls will do some more of their mirth-provoking hooting, and Mrs. Kenny's steel guitar band will again be "on the air."

"Old Man Moses," "The Image of a Rose," and "Lay My Head Beneath a Rose" are the concerted items which will be sung by the Melody Four on Saturday, May 26. Mr. W. W. Marshall (basso) will be heard in "A Ship of the Old Block," and Mr. R. S. Allwright will present "The Yeoman's Wedding Song." The tenors, Messrs. S. Duncan and F. Bryant, will sing "Alice Where Art Thou" and "I Heard You Singing," respectively. Mr. Lad Haywood will make music with his melodious Italian mandolin, and Mr. Geo. Titchener will, as is his custom, make you all laugh right merrily.

EMPIRE DAY AT 3YA

Mr. E. J. Bell, Public Librarian, will give his fortnightly talk on books at 3YA on Monday.

The Christchurch Municipal Band, assisted by a mixed quartet of soloists and a humorist, will provide a variety programme for Monday.

Listeners will welcome back to the microphone Miss Alice Vinsen, one of 3YA's leading contraltos, and Mrs. K. Henderson, better known in musical circles as Miss Kathleen O'Brien. Her soprano voice will delight all.

The gentlemen vocalists on Monday evening will be that accomplished tenor, Mr. Frank Morrison, and Mr. Walter Fairburn, a singer of popular songs. Mr. Fairburn is also well known throughout New Zealand as a chess player. Mr. J. P. Darragh will contribute humorous recitations, this time of a Jewish type.

Songs by Schubert, to whom the world is indebted for over 600 melodies, written in his lamentably short life (he died when only 31) feature prominently on Wednesday's programme at 3YA, when the vocalists will be Mr. A. G. Thompson's Dilect Quartet. Graceful, buoyant, grim, dramatic, tragic, humorous, informal, for mal—every kind of melody or mood came naturally to Schubert's mind and pen, spontaneously and naturally.

Schubert's famous and very dramatic "Erl King," the story of a father's ride with his sick child who hears the Erl King (Death) calling, is one of the songs chosen by Mr. A. G. Thompson for Wednesday evening. Another solo is also by Schubert, "The Linden Tree."

Considerable variety will be introduced into the Schubert vocal programme on Wednesday evening. The Studio Trio, Mr. S. N. Crisp (euphonium), Mr. Verner Lawford (phonofidele and magic flute), with Mr. W. H. Moses (humorous reciter), are also contributing.

Empire Day will be fittingly celebrated at 3YA with a real "Red, White, and Blue" concert. The children's session will not be overlooked, for even there the entertainment to be provided will be of a national nature. During the evening concert session, English, Scottish, Irish, and Welsh items will be given. These items will comprise vocal and instrumental selections (including bagpipe music), and elocutionary items, which will have direct bearing on our Empire.

(Continued on Page 14.)

RADIO—Gilfillan and Bremer-Tully

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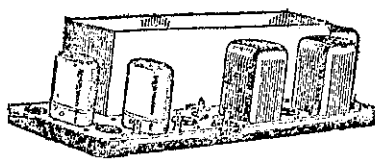
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Full Programmes for Next

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NOTES AND COMMENTS

(By "Switch.")

THE difficulty of procuring an honorary secretary confronts the Amateur Radio Society of Wellington. Nobody wants the job, and as the society has not sufficient income to pay wages to a secretary, a serious situation has arisen.

THE temporary honorary secretary, Mr. I. M. Levy, accepted the post purely as a formal appointment, and he states he is quite unable to spare the time to function in that position even temporarily.

IT is rather a pity that some of the younger members of the Wellington Radio Society do not select an honorary secretary among themselves, and submit his name to the executive for appointment. Without a secretary, the society cannot but remain dormant.

THE Amateur Radio Society of Wellington has now about 250 members, but it is put out of action for want of a secretary. The retiring secretary was voted an honorarium of £10, and this reduced the exchequer almost to the disappearing point on the year's operations.

THE number of radio receiving sets in use in the United States is estimated to total seven millions, according to a nation-wide investigation by the National Electrical Manufacturers' Association. New York State leads with 870,000 sets. California is second, with 704,000, and Illinois is third, with 539,000. And still thousands of sets are being sold weekly.

A THEORY is offered by scientists to the effect that a flexible atmospheric shell, expanding in the day and contracting at night, is responsible for the difference between day and night radio reception. They contend



—S. P. Andrew, photo.

G. TITCHENER, Humourist, 2YA.

that this shell, acting as a reflector of radio waves, is expanded by the heat of the sun. Much day-time radio energy is wasted in the ascension of current. After sundown the cooling atmosphere reduces the size of the shell, they suggest, decreasing the vertical distance the waves must travel before hitting the reflector. As a result, it is contended more current is available for the horizontal extension of the signal area.

AN Arab concert transmitted from Toulouse (in the south of France) has been such a success that arrangements have been made for a concert of Chinese music, all the performers to be Chinese.

THE province of Ontario has almost as many radio fans as the other provinces of Canada combined. There are now between 300,000 and 400,000 receiving sets in that State.

MR. DAVID CASEM, radio editor of the New York "Telegram," pointed out editorially recently that numerous commercial broadcasters are already considering ways and means in which they can use picture broadcasting. He points out that if picture transmission is used to distribute miniature billboards in the home its growth will be stifled at the outset. The public is not going to buy picture receiving apparatus in order to have itself exploited by advertisers.

THOSE interested in studying sales and distribution figures will find the report compiled by the Electrical Equipment Division of the United States Government Bureau of Foreign and Domestic Commerce, aided by N.E.M.A., on stocks of radio equipment in the hands of radio dealers in U.S.A., very illuminating. This is the second of a series of quarterly reports to be issued. A little over 30,000 dealers contributed to the information. On October 1 the dealers had 65,921 battery sets in stock, and on January 1 the number had fallen to 62,778. The total stock on hand averages but two per dealer, a number, it is considered, insufficient to cause uneasiness.

Sunday, May 20

1YA AUCKLAND (333 METRES)—SUNDAY, MAY 20.

- 2.45 p.m. (approx.): Relay from Town Hall of annual church service, Auckland Girl Guides. Service presided over by Mayor. Addresses by the Governor-General, Sir Charles Fergusson, and Chief Commissioner, Mrs. W. R. Wilson.
- 6.0: Children's hour, conducted by Uncle Leo.
- 6.55: Relay of evening service from Beresford St. Congregational Church. Preacher, Rev. Lionel Fletcher. Choirmaster, Mr. W. Gemmell.
- 8.30: Relay of organ recital by Mr. Maughan Barnett, city organist.
- 9.30: Close down.

2YA WELLINGTON (420 METRES)—SUNDAY, MAY 20.

- 3 p.m. to 4.30 p.m.: Afternoon session.
- 6.55: Relay of evening service from The Terrace Congregational Church. Preacher, Rev. E. Weeks. Musical Director, Mr. Len. Barnes. Organist, Mr. H. Brusey.
- 8.15 (approx.): Relay of band concert of the Wellington Municipal Tramways Band from His Majesty's Theatre.

3YA CHRISTCHURCH (356 METRES)—SUNDAY, MAY 20.

- 5.30 p.m.: Children's song service, conducted by Uncle Sam.
- 6.30: Relay of evening service from St. Alban's Methodist Church, Rugby Street (Anniversary Service). Preacher, Rev. L. B. Neale. Conductor, Mr. W. S. Simpson. Organist, Miss Eleanor Neville-Smith.
- 8.15 (approx.): Rebroadcast of 2YA, Wellington (Municipal Tramway Band concert from His Majesty's Theatre, Wellington). God Save the King.

4YA DUNEDIN (463 METRES)—SUNDAY, MAY 20.

- 5.30 p.m.: Children's song service, conducted by Big Brother Bill, assisted by Y.W.C.A. Girl Citizens' Club, under Miss Jones, secretary and leader.
- 6.30: Relay from St. Andrew Street Church of Christ. Preacher, Pastor W. D. More. Choirmaster, Mr. H. Hickey.
- 8.0: Studio concert.
- 9.15: God Save the King.

Monday, May 21

1YA AUCKLAND (333 METRES)—MONDAY, MAY 21.

SILENT DAY.

2YA WELLINGTON (420 METRES)—MONDAY, MAY 21.

- 8 p.m.: Chimes of the General Post Office clock, Wellington.
- 8.1: Selected gramophone items.
- 4.30: Sporting results to hand.
- 4.35: Selected gramophone items.
- 4.55: Sporting results to hand.
- 5.0: Close down.
- 6.0: Children's hour—Auntie Gwen and Uncle Jeff. Miss Edna Purdie's pupils.
- 7.0: News session, market reports, and sports results.
- 7.40: Lecture—Mr. H. C. South, "Books—Grave and Gay."
- 8.0: Chimes of the General Post Office clock, Wellington.
- 8.1: Overture—The Orchestra, "Peter Schmitt" (Weber).
- 8.9: Quartet—Ariel Singers, "The Winds" (Cymson).
- 8.13: Tenor solos—Mr. C. A. Williams, (a) "The Rose's Lament" (Franz); (b) "Marie" (Franz).
- 8.19: Instrumental—The Orchestra, (a) "The Swan" (Saint-Saens); (b) "Valse Caprice" (Rubinstein).
- 8.27: Sketch (three characters)—Mr. A. Stanley Warwick, "Cupid in the Kitchen" (Harris).
- 8.42: Mezzo-contralto solos—Miss Ngare Foster, (a) "Caro Mio Ben" (Giordani); (b) "Sing, Break into Song" (Mallinson).
- 8.48: Trio—Symons-Ellwood-Short Trio, "Trio in G" (Haydn).
- 8.58: Humour at the piano—Mr. A. E. Sargent, (a) "Beware of the Maidens" (Day); (b) "Peter" (Scott-Gatty).
- 9.3: Weather report and announcements.
- 9.5: Instrumental—The Orchestra, "Symphony, G Minor" (Weber).
- 9.13: Sopranos solo—Miss Jeanette Briggs, "Mignon's Song," from "Mignon" (Thomas).
- 9.17: Bass solos, with male chorus—Mr. J. M. Caldwell, (a) "What Shall We Do With the Drunken Sailor?" (arr. Terry); (b) "Can't Ye Dance the Polka?" (arr. Terry).
- 9.23: Elocution—Mr. A. Stanley Warwick, "The Hill" (Baughan).
- 9.28: Piano and violin sonata—Mr. Gordon Short and Miss Ava Symons, "Sonata in A" (Cesari-Frank).
- 9.35: Duet—Miss Jeanette Briggs and Mr. C. A. Williams, "Mountain Lovers" (Squire).

- 9.30: Quartet—Ariel Singers, "The Ash Grove" (arr. Crampton).
- 9.43: Instrumental—The Orchestra, request items.
- 9.51: Songs at the piano—Mr. A. E. Sargent, "The Fine Old English Gentleman" (Newman).
- 9.56: Bass solo—Mr. J. M. Caldwell, "The Border Ballad" (Wallace).
- 9.59: Instrumental—The Orchestra, "Nell Gwynn Dances" (German).
- 10.8: National Anthem.

3YA CHRISTCHURCH (356 METRES)—MONDAY, MAY 21.

- 3 p.m.: Afternoon concert session—Selected studio items.
- 4.25: Sports results.
- 4.30: Close down.
- 6.0: Children's hour, conducted by Uncle Jack.
- 7.15: News and reports.
- 7.30: Talk by Mr. E. J. Bell, of the Public Library on "Books."
- 8.0: Chimes and relay of orchestral selections from Strand Theatre Orchestra, under the direction of Mr. Harry Ellwood.
- 8.10: March—Christchurch Municipal Band, conducted by Mr. A. J. Schneck, "BB and CC" (Hume).
- 8.17: Tenor solo—Mr. Frank Morrison, "The Willow Tree" (Kahn).
- 8.21: Selection—The Band, "H.M.S. Pianoforte" (Sullivan).
- 8.31: Mezzo-soprano solo—Mrs. K. Henderson, "If Only the World Were Mine" (Squire).
- 8.35: Waltz—The Band, "Silver Showers" (Rimmer).
- 8.42: Humorous recitation—Mr. J. P. Darragh, "Cohen Buys a Wireless Set."
- 8.47: Contralto solo—Miss Alice Vinsen, "Mignon" (Thomas).
- 8.51: Intermezzo—The Band, "In a Persian Market" (Ketelby).
- 8.59: Popular song—Mr. Walter Fairburn, "The Long, Long Trail" (King).
- 9.1: Weather report and forecast.
- 9.2: Relay of orchestral selections from Strand Theatre.
- 9.10: Mezzo-soprano solo—Mrs. K. Henderson, (a) "Open Thy Blue Eyes, My Beloved" (Massenet); (b) "Violets" (Wright).
- 9.16: Selection—The Band, "John o' Gaunt" (Rimmer).
- 9.24: Tenor solos—Mr. Frank Morrison, "My Love the Swallow" (Lohr); (b) "Lola."
- 9.30: Selection—The Band, "Scottish Gems" (Roche).
- 9.36: Contralto solo—Miss Alice Vinsen, "A Summer Night" (Goring-Thomas).
- 9.40: Humorous recitation—Mr. J. P. Darragh, "Isaacstein's Visit to New York."
- 9.45: March—The Band, "Argandah" (Thompson).
- 9.52: Popular song—Mr. Walter Fairburn, "The Sunshine of Your Smile" (Ray).
- 9.56: March—The Band, "Machine-gun Guards" (Marechal).
- 10.3: God Save the King.

4YA DUNEDIN (463 METRES)—MONDAY, MAY 21.

SILENT DAY.

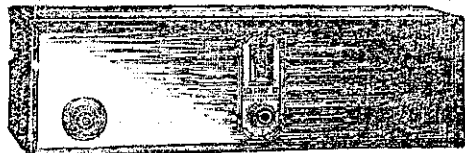
Tuesday, May 22

1YA AUCKLAND (333 METRES)—TUESDAY, MAY 22.

- 3 p.m.: Afternoon session—Selected studio items.
- 4.0: Literary selection by the Announcer.
- 4.8: Further studio items.
- 4.25: Sports results.
- 4.30: Close down.
- 6.0: Children's hour, conducted by Uncle George. Piano solo, Mavis Hewson, "Slumber Song" (Schumann); recitation, Phyllis Torpy, "Tommy's Dreadful Dream." Story for Tiny Tots. Song, Uncle George. Letters and birthdays. Recitation, Phyllis Torpy; piano solo, Mavis Hewson, "Butterfly Study" (Grieg). Bedtime stories.
- 7.15: Lecture—Mr. Geo. Ambler, "Poultry Keeping (1) Commencing Operations."
- 7.30: News and market reports.
- 8.0: Chimes.
- 8.1: Relay of overture from Majestic Theatre Orchestra, under the direction of Mr. J. Whiteford-Waugh.
- 8.10: Baritone solo—Mr. John Hogan, "Wayfarer's Night Song" (Martha).
- 8.15: Instrumental trio—Studio Trio, "Trio in D Minor—Finale" (Mendelssohn).
- 8.25: Contralto solo—Madame Irene Ainsley, "A Sabbath Morning at Sea," from Sea Pictures" (Elgar).
- 8.29: Flute solo—Mr. V. Bedford, "Song Without Words" (Clinton Goring).
- 8.34: Tenor solo—Mr. Robert Peter, "O, Vision Entrancing" (Thomas).
- 8.38: Relay of extracts from Majestic Theatre Orchestra.
- 8.45: Talk on "Old New Zealand"—Mr. A. B. Chappell, (10) "A Baron's Claims."
- 9.0: Scene from "Tannhauser" (Wagner), produced under the direction of Madame Irene Ainsley.
- The story of "Tannhauser" describes the struggle between good and evil, of the highest love for the pure maiden, Elisabeth, and the sensuous passion for the mythical Goddess of Love, Venus. The opera was first produced in London at Covent Garden, May 6, 1870.
- Cast.
- Elisabeth Miss Nancye Hanna
- Tannhauser Mr. Robert Peter
- Wolfram Mr. John Hogan
- Tannhauser—"All Praise Be Thine."
- Wolfram—"When for the Palm in Song."
- Elisabeth and Tannhauser—"Tis Not for Thee to Kneel."
- Chorus—"Hail, Bright Abode."
- Wolfram—"Gazing Around."
- Tannhauser—"I, Too, Grant of that Source."
- Wolfram—"O, Star of Eve."
- Elisabeth—"Prayer."
- Finale—"The Pilgrim's Chorus."
- 9.40: Instrumental trio—The Studio Trio, "Rustic Suite" (Rosse).
- 9.49: Soprano solo—Miss Nancye Hanna, "It Is Not Because Your Heart is Mine" (Lohr).
- 9.53: Violin solo—Miss I. Bosworth, selected.
- 9.57: Contralto solo—Madame Irene Ainsley, "Three Fishers" (Hullah).
- 10.1: Flute solos—Mr. Vic. Bedford, (a) "Killarney" (Baffle); (b) "Serenata" (Braga).
- 10.8: God Save the King.

2YA WELLINGTON (420 METRES)—TUESDAY, MAY 22.

- 3 p.m.: Chimes of the General Post Office clock, Wellington.
- 3.1: Selected gramophone items.
- 4.30: Sporting results to hand.
- 4.35: Selected gramophone items.
- 4.55: Sporting results to hand.
- 5.0: Close down.
- 6.0: Children's hour—Big Brother Jack. Madame Mueller's pupils.
- 7.0: News session, market reports, and sports results.
- 7.40: Lecture—Representative, Agricultural Department, "For the Man on the Land."
- 8.0: Chimes of the General Post Office clock, Wellington.
- 8.1: Overture—The Orchestra, "William Tell" (Rossini).
- 8.11: Quartet—The Orpheus, "To Rome's Immortal Leader" (Mozart).
- 8.15: Contralto solo—Miss Lily Mackie, "Thoughts Have Wings" (Schumann).



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Week - All Stations - to May 27

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- 8.19: Instrumental—The Orchestra, "Suite L'roi S'Amuse" (Debussy).
8.29: Baritone solo—Mr. Len. Barnes, (a) "Thou Art So Like a Flower" (Liszt); (b) "Still as the Night" (Abt); (c) "The Erl King" (Schubert).
8.38: Quartet—The Orpheus Quartet, "The Volga Boatman" (by request), (traditional).
8.42: Violin solo, with orchestral accompaniment—Miss Ava Symons, "Andante," from the "Symphony Espagnola" (Lalo).
8.47: Humour—Mr. Doug. Stark, "I'm 94 To-day" (Tyte).
8.52: Organ solos—Mr. H. Temple White, (a) "Hymne Celeste" (Gray); (b) "Prelude in E Flat" (Read); (c) "Marche Militaire" (Scott).
9.2: Weather report and announcements.
9.4: Lecture—Rev. Dr. Gibb, "The League of Nations."
9.16: Instrumental—The Orchestra, "Songs in a Pagoda" (Woodforde-Finden).
9.21: Soprano solo—Mrs. Alice Harris, "I Mean to Marry a Man" (Talbot).
9.29: Humour—Mr. Doug. Stark, "Potted Geography" (Pounds).
9.34: Instrumental—The Orchestra, opera selection, "Pagliacci" (Leoncavallo).
9.44: Tenor solo—Mr. Arthur Coe, "Row Gently Here" (Schumann).
9.47: Duet—Mrs. Alice Harris and Mr. Len. Barnes, "Glow, Glow," by request (Audran).
9.51: Instrumental—The Orchestra, request numbers.
9.59: Sketch—Messrs. Doug. Stark and Len. Barnes, "Bitza" (original).
10.4: Quartet—The Orpheus Quartet, "The Cherry Time" (Leslie).
10.8: Instrumental—The Orchestra, popular fox-trot and jazz waltz novelties.
10.12: National Anthem.

3YA CHRISTCHURCH (306 METRES)—TUESDAY, MAY 22.

SILENT DAY.

4YA DUNEDIN (463 METRES)—TUESDAY, MAY 22.

- 3 p.m.: Town Hall chimes.
3.1: His Master's Voice recital.
3.30: Social notes.
3.40: Studio music.
4.0: An address on the "Domestic Uses of Electricity," by Mr. G. J. Butcher, of Turnbull and Jones, Ltd.
4.15: His Master's Voice recital.
4.25: Sporting results.
4.30: Close down.
6.0: Children's hour, conducted by Big Brother Bill. The musical part of this programme will be provided by the Rovers' Club. This is a boys' club similar to the Scouts, under Rover-Leader E. W. Moore. The programme will comprise Rover songs from their song book, Rover choruses, and recitation from the Cub reciter.
7.15: News session.
7.30: Mr. R. W. Marshall, of the Government Tourist Department, will speak on "Some Popular Scenic Resorts."
8.0: Town Hall chimes. Concert by the St. Kilda Band, under the conductorship of Mr. James Dixon, and items by assisting artists.
8.1: March—The Band, "St. Kilda" (Trussell).
8.5: Contralto solos—Miss Dorothy Skinner, (a) "My Dear Soul" (Sanderson); (b) "Spreading the News" (Oliver).
8.11: Recitation—Miss Anita Winkel, "Lorenzo's Eulogy" (Shakespeare).
8.15: Waltz—The Band, "Desdemona" (Carter).
8.23: Bass solo—Mr. F. C. Cooper, "The Depths of the Coral Caves" (Leigh).
8.26: Recitations—Mr. Lester Moller, (a) "The Harmonium"; (b) "The Fool" (Service).
8.35: Cornet solo, with band accompaniment, "Moonbeam" (Rimmer).
8.40: Baritone solos—Mr. L. M. Cachemaille, (a) "Allegretto, Here is April" (Del Riego); (b) "Here in the Quiet Hills" (Carne).
8.47: Humorous address—Pastor W. D. More.
9.5: Weather forecast and announcements.
9.8: Selection—The Band, "Abyssinian Expedition" (Pridham).
9.18: Bass solos—Mr. F. C. Cooper, (a) "Oh, Oh, Hear the Wild Wind Blow" (Maffei); (b) "Mistress of the Master" (Phillips).
9.24: Intermezzo—The Band, "Chant Sans Parole" (Tchaikowsky).
9.28: Recitations—Miss Anita Winkel, (a) "As His Mother Used to Do"; (b) "The Clown" (McGeoch).
9.35: Euphonium solo, with band accompaniment—"Star of Eve" (Wagner).
9.45: Contralto solo—Miss Dorothy Skinner, "Vorrei" (Tosti).
9.48: Recitation—Mr. Lester Moller, "Mrs. McGregor's Movies."
9.53: Fantasia—The Band, "Military Church Parade" (Hume).
10.3: Baritone solo—Mr. L. M. Cachemaille, "Bois Epais" (Lully).
10.6: March—The Band, "Swinging Along" (Hawkins).
10.10: God Save the King.

Wednesday, May 23

1YA AUCKLAND (333 METRES)—WEDNESDAY, MAY 23.

- 3 p.m.: Afternoon session—Selected studio items.
3.30: Lecture—Mr. Howard Taylor, "Perfect Feet and How to Obtain Them."
3.45: Further studio items.
4.0: Literary selection by the Announcer.
4.8: Studio items.
4.25: Sports results.
4.30: Close down.
6.0: Children's hour, conducted by Uncle Tom. Song, Rona Edwards, "Rain Fairies." Uncle Tom, jokes and stories. Letters and birthdays. Song, Rona Edwards, "A Fairy Went a-marketing." Song, Uncle Tom. Bedtime stories. Uncle Tom, closing chorus.
7.15: News and market reports.
7.45: Lecture—Mr. Norman Kerr, "Physical Culture." Concert by Auckland Artillery Band, under the direction of Lieut. E. Tregilgas.
8.0: Chimes.
8.1: Overture—Auckland Artillery Band, "Crown Diamonds" Overture (Auber).
8.13: Contralto solo—Miss Phyllis Hazell, "Heartsease" (Willoughby).
8.17: Brass quartet—Messrs. Hogg, Davis, Finlay, and Edgar, "The Pilgrim" (Rimmer).
8.21: Elocution—Miss Maisie Carte-Lloyd, "Mrs. Murphy on Honesty" (Pain).
8.27: March—Auckland Artillery Band, "Aladdin March" (Dodsworth).
8.31: Vocal duet—Hazell-Sutherland Duo, "In the Heart of the Hills" (Lee).
8.37: Cornet duo—Messrs. Davies and Hogg, "Besses of th' Barn" (Carrie).
8.42: Selection—Auckland Artillery Band, "Rose Marie Selection" (Friml).
8.57: Contralto solo—Miss Phyllis Hazell, "Roberto Che Adora" (Meyerbeer).
9.2: Weather report and forecast.
9.4: Pot-pourri—Auckland Artillery Band, "A Musical Switch" (Alford).
9.16: Baritone solos—Mr. F. Sutherland, (a) "Cloze Props" (Wolsey); (b) "Whatever Is, Is Best" (Lohr).
9.24: Novelty—Auckland Artillery Band, "Operamania" (De Leeuw).
9.34: Elocution—Miss Maisie Carte-Lloyd, (a) "The Law of Death" (Colonel John Hay); (b) "Man."
9.42: Descriptive piece—Auckland Artillery Band, "A Military Church Parade" (Hume).
9.52: Vocal duet—Hazell-Sutherland Duo, "Awake" (Pelissier).

- 9.56: March—Auckland Artillery Band, "Steadfast and True" (Tieke).
10.1: God Save the King.

2YA WELLINGTON (420 METRES)—WEDNESDAY, MAY 23.

SILENT DAY.

3YA CHRISTCHURCH (306 METRES)—WEDNESDAY, MAY 23.

- 3 p.m.: Afternoon session—Selected studio items.
4.25: Sports results.
6.0: Children's hour, conducted by Aunt Pat and "Scatterjoy." Bedtime stories and half-an-hour's programme provided by Juvenile Welsh Choir, under Mrs. James.
7.15: Addington stock market reports.
8.0: Overture.
8.5: Baritone solo—Mr. A. G. Thompson, "The Erl King" (Schubert).
8.9: Pianoforte solo—Miss Aileen Warren, "Forest Lullaby" (Quilter).
8.14: Vocal quartet—Dulcet Quartet, "Dreaming" (Schumann).
8.18: Humorous recitation—Mr. W. H. Moses, "The Debating Club."
8.23: Soprano solo—Miss Mary Shaw, "Peace" (Schubert).
8.27: Instrumental trio—Christchurch Broadcasting Trio, "Allegro Appassionata," from "Trio in D Minor" (Mendelssohn).
8.37: Tenor solo—Mr. T. G. Rogers, "Hark, Hark the Lark" (Schubert).
8.41: Euphonium solo—Mr. S. N. Crisp, "Queen of the Earth" (Pinsuti).
8.46: Contralto solo—Miss N. Lowe, "Ave Maria" (Schubert).
8.50: Phonodiddle solo—Mr. Verner Lawford, "Melodious Gems."
8.54: Soprano and tenor duet—Miss Mary Shaw and Mr. T. G. Rogers, "O, That We Two Were Maying" (Smith).
8.58: Weather report and forecast.
9.0: Overture.
9.5: Baritone solo—Mr. A. G. Thompson, "The Linden Tree" (Schubert).
9.9: Pianoforte solo—Miss Aileen Warren, "Windmunn" (Devotion), (Schumann).
9.13: Soprano solos—Miss Mary Shaw, (a) "Wild Rose" (Schubert); (b) "Late in Spring" (Schubert).
9.16: Humorous recitation—Mr. W. H. Moses, "The Frenchman and the Flea Powder."
9.21: Magic flute solo—Mr. Verner Lawford, popular airs.
9.26: Contralto solos—Miss Nellie Lowe, (a) "La Serenata" (Braga); (b) selected.
9.33: Instrumental trio—Christchurch Broadcasting Trio, "Bolero" (Ravina).
9.43: Tenor solo—Mr. T. G. Rogers, "Serenade" (Schubert).
9.47: Euphonium solo—Mr. S. N. Crisp, "La Sonnambula" (Bellini).
9.53: Vocal quartet—The Dulcet Quartet, "Moonlight" (Fanning).
9.57: God Save the King.

4YA DUNEDIN (463 METRES)—WEDNESDAY, MAY 23.

SILENT DAY.

Thursday May 24

1YA AUCKLAND (333 METRES)—THURSDAY, MAY 24.

- 3 p.m.: Afternoon session—Selected studio items.
3.30: Lecture by representative of Auckland Gas Company, "Gas Cooking."
3.45: Further studio items.
4.0: Literary selection by the Announcer.
4.8: Selected studio items.
4.25: Sports results.
4.30: Close down.
6.0: Children's hour, conducted by Peter Pan. Story for tiny tots. Song, "Underella," "The Pumpkin" (Saville). Letters and birthdays. Uncle Vernon, stories and songs. Record. Story-time.
7.15: News and reports and book review.
8.0: Chimes.
8.1: Relay of overture from Rialto Theatre Orchestra.
8.11: Vocal quartet—Mr. Barry Coney's Quartet, "Softly Fall the Shades" (Sias).
8.17: Instrumental trio—Studio Trio, "Trio in B Flat, Op. 21, Allegro Molto" (Dvorak).
8.27: Tenor solo—Mr. Geo. Barnes, "Parted" (Tosti).
8.31: Vocal and instrumental—Bohemian Trio, (a) "Tellin' the Birds, Tellin' the Trees" (Johnstone); (b) "When You and I Were Seventeen" (Rosoff).
8.38: Contralto solo—Miss Martha Williamson, "Shuk, Red Sun" (Del Riego).
8.42: Pianoforte solo—Cyril Towsey, "Holberg Suite" (Grieg).
8.46: Soprano solo—Miss D. Youd, (a) "Wings" (d'Hardelet); (b) "Hurry Up, April" (Travers).
8.54: Baritone solo—Mr. Barry Coney, "I Am Fate" (Hamblin).
8.58: Weather report and forecast.
9.0: Relay of entracte from Rialto Theatre Orchestra.
9.5: Humour and vocal—The Asquiths, "Thirty Minutes' Drawing-room Entertainment."
9.35: Instrumental trio—The Studio Trio, "Henry VIII Dances" (German).
9.44: Tenor solo—Mr. Geo. Barnes, "Angels Guard Thee" (Godard).
9.48: Contralto solo—Miss Martha Williamson, "Waters of Minnetonka" (Lieurance).
9.52: Vocal and instrumental—The Bohemian Trio, (a) "My Blue Heaven" (Donaldson); (b) "Music With My Meals."
9.58: Baritone solo—Mr. Barry Coney, "Danny Deever" (Spross).
10.3: Vocal quartet—Mr. Barry Coney's Quartet, "Stars of the Summer Night" (Tours).
10.7: God Save the King.

2YA WELLINGTON (420 METRES)—THURSDAY, MAY 24.

- 3 p.m.: Chimes of the General Post Office clock, Wellington.
3.1: Selected gramophone items.
4.30: Sporting results to hand.
4.35: Selected gramophone items.
4.55: Sporting results to hand.
5.0: Close down.
6.0: Children's hour—Empire Day Girl Guides and Boy Scouts.
7.0: News session, market reports, and sports results.
7.40: Lecture—Miss Margaret O'Connor, "Doings and Dancing in Other Lands."
8.0: Chimes of the General Post Office clock, Wellington.

A Special Empire Day Programme by the Wellington Municipal Tramways Band (Conductor, Mr. T. Goodall, and Assisting Artists.

- 8.1: March—Wellington Municipal Tramways Band, "Steadfast and True" (Tieke).
8.7: Quartet—The Clarion Quartet, "The Last Rose of Summer" (traditional).
8.11: Overture—Wellington Municipal Tramways Band, "The King's Lieutenant" (Moore).
8.19: Tenor solo—Mr. Frank Skinner, "My Pretty Jane" (Bishop).
8.23: Elocution—Mr. Cedric Gardiner, (a) "Recessional" (Kipling); (b) "A Chant of Love for England" (Cone).
8.28: Fantasia—Wellington Municipal Tramways Band, "Songs of Merrie England" (Raymond).
8.36: Bass solo—Mr. James Cooke, "Time to Go" (Sanderson).
8.40: Contralto solo—Miss Alma May, "Annie Laurie" (Scott).
8.44: Patrol—Wellington Municipal Tramways Band, "The British Patrol" (Reviere).
8.49: Quartet—The Clarion Quartet, "Old Mother Hubbard" (Wheeler).
8.54: Baritone solo—Mr. Ray Kemp, "Fishermen of England" (Phillips).
8.58: Weather report and announcement.
9.0: Fantasia—Wellington Municipal Tramways Band, "British Melodies" (Greenwood).
9.8: Tenor solo—Mr. Will Hancock, "Bonnie Mary of Argyle" (traditional).
9.12: Contralto solo—Miss Alma May, "Come Back to Erin" (Claribel).
9.16: Waltz—Wellington Municipal Tramways Band, "Lolita" (Lithgow).
9.22: Quartet—The Clarion Quartet, "Home, Little Maori, Home" (Hill).
9.26: March—Wellington Municipal Tramways Band, "Odeon" (Pryor).
9.32: Tenor solo—Mr. Frank Skinner, "The Fortune Hunter" (Willeby).
9.36: Elocution—Mr. Cedric Gardiner, (a) "A Song of England" (Noyes); (b) "I Vow to Thee, My Country" (Rice).
9.41: Selection—Wellington Municipal Tramways Band, "Crown of Scottish Song" (Wright and Round).
9.50: Baritone solo and quartet—Mr. Ray Kemp and the Clarionet Quartet, "Land of Hope and Glory" (Elgar).

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THE municipal authorities of Buenos Aires are planning to extend the service of their station, LOS, in the Colon Theatre, which has so far been used exclusively for broadcasting operas and concerts from the stage of the theatre.

RADIO reception is flawless a few thousand yards in the air, says a ballonist writing in the "Revue du Ciel," published in Paris.



MISS M. CARTE-LOYD.

Well known in elocutionary and concert circles in Auckland, Miss Carte-Lloyd will make her first appearance at 1YA on Wednesday evening.

AN English writer states:—"At the end of November, 1927, the number of licensed radio receiving sets in Britain was 2,355,600; which is equivalent to one set per 14 heads of population, including Swiss waiters, Belgian barbers, and Greek ice-cream magnates. (Yes, we have them here, too!). That, as we say here, is not so dusty. It means that we use one set for every 3.63 families, not counting the boarders or 'lady helpers.'"

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Programmes Continued

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9.54: March—Wellington Municipal Tramways Band, "The Vanished Army" (Alford). (Dedicated to the first 100,000 men who fell in the Great War.)
9.58: National Anthem.

3YA CHRISTCHURCH (306 METRES)—THURSDAY, MAY 24.

3 p.m.: Afternoon concert session—Selected studio items.
4.25: Sports results.
6.0: Children's hour, conducted by Chuckie and Aunt Pat. Empire Day programme. Opening song by Chuckie and Aunt Pat, "How Do You Do?" Story for the tiny tots by Aunt Pat, "Little Princess Elizabeth." English song by Frank Robinson, "The Story of Our Flag," by Chuckie. Song by Scotch David, Birthdays. Recitation by Cousin Peggy, "The Emblem of Our Empire." Song, "Waiaata Poi," by Eileen Grennell. Song, "Cousin Tom," "The Shamrock of Old Ireland." Song, Cousin Katherine, "The Land of My Fathers."
7.15: News session.
7.30: Talk by Mr. H. W. Beck, "Breeding for High Egg Production."
8.0: Chimes and overture.
8.5: Soprano solo and chorus—Madame Gower Burns and Grand Opera Quartet, "When the Empire Calls" (Alford Hill).
8.9: Cello solo—Mr. Harold Beck, "Melodie" (Purcell).
8.14: Baritone solo and chorus—Mr. Bernard Rennell and Grand Opera Quartet, "Who Were the Yeomen of England" (German).
8.18: Flute solo—Mr. W. Hay, "Fantasia on English Airs" (Pratten).
8.23: Contralto solo and chorus—Mrs. Ann Harper and Grand Opera Quartet, "Peaceful England" (German).
8.27: Instrumental trio—Christchurch Broadcasting Trio, "Preamble—Norfolk Folk Tune" (Woods).
8.36: Tenor solo—Mr. Harold Prescott, "The Deathless Army" (Trotter).
8.40: Highland war pipes—Mr. Angus McIntosh, "My Home."
8.45: Soprano solo—Madame Gower Burns, "Homeland" (Drummond).
8.49: Recitation—Miss Naare Hooper, "Empire Day."
8.54: Baritone solo and chorus—Mr. Bernard Rennell and Grand Opera Quartet, "Sons of New Zealand" (Hope).
8.58: Weather report and forecast.
9.0: Overture.
9.5: Contralto solo—Mrs. Ann Harper, "There's a Land" (Mitsen).
9.9: Cello solo—Mr. Harold Beck, "Valse Triste" (Alford Hill).
9.14: Tenor solo—Mr. Harold Prescott, "The Veteran's Song" (Adams).
9.18: Flute solo—Mr. W. Hay, "Cantabile and Allegretto."
9.22: Soprano solo—Madame Gower Burns, "Coming Home" (Willeby).
9.26: Instrumental trio—Christchurch Broadcasting Trio, (a) "Farewell to Cucullain" (traditional); (b) "A Country Dance" (Foulds).
9.34: Tenor solo and chorus—Mr. Harold Prescott and Grand Opera Quartet, "The Red, White, and Blue" (National Air).
9.38: Highland war pipes—Mr. A. McIntosh, (a) "Seam Trianhais"; (b) "Champion of the Seas"; (c) "The Tenpenny Bili."
9.43: Soprano solo and chorus—Madame Gower Burns and Quartet, "Land of Hope and Glory" (Elgar).
9.47: Recitations—Miss Naare Hooper, (a) "The Passing of the Queen, January, 1901" (Oxenham); (b) "The Empire Spirit, According to Monty."
9.57: Quartet—Madame Gower Burns and Grand Opera Quartet, "God Save the King" (Elgar).

4YA DUNEDIN (463 METRES)—THURSDAY, MAY 24.

7 p.m. Town Hall chimes.
7.1: Request gramophone concert.
7.40: News session.
8.0: Town Hall chimes.
8.1: Orchestral music, under the direction of Mons. de Rose, relayed from the Octagon Theatre.
8.12: Light baritone solos—Mr. J. B. McConnell, (a) "Just Like a Butterfly" (Donaldson); (b) "The Paradise in Mother's Eyes."
8.19: Humorous recital—Miss Hilda Scurr, "Four Cautionary Tales and a Moral" (Belloc).
8.27: Light mezzo-soprano solo—Miss Betty Roberts, "The Island of Love" (Caryll).
8.30: Popular banjo numbers—Dunedin Banjo Trio, (a) "Ukulele Dream Girl" (Low); (b) "So Blue" (Henderson); (c) "Blue Skies" (Berlin).
8.40: Light baritone solos—Mr. R. Wilson-Brown, (a) "Under the Irish Moon" (Drislane); (b) "That's a Good Girl" (Berlin).
8.47: Orchestral selection from the Octagon Theatre.
8.57: Humorous recital—Mr. Carl Moller, "Meanderings of Monty."
9.2: Weather report and forecast.
9.5: Light soprano solo—Miss Dorothy West, "Mary," from "Our Miss Gibbs" (Moncton).
9.8: Popular banjo numbers—Dunedin Banjo Trio, (a) "A Lane in Spain" (Lombardo); (b) "Love is Just a Little Bit of Heaven" (Baer); (c) "Oh, If I Only Had You" (Friend).
9.18: Light baritone solo—Mr. J. B. McConnell, "Souvenirs" (Nichols).
9.23: Humorous recital—Miss Hilda Scurr, "The Motor-car Boy."
9.26: Light soprano solos—Miss Betty Roberts, (a) "After I Say I'm Sorry" (Donaldson); (b) "Dew, Dew, Dewy Day" (Johnson).
9.32: Orchestral selections from Octagon Theatre.
9.44: Light baritone solo—Mr. R. Wilson-Brown, "The Ragtime Goblin Man" (Sterling).
9.47: Humorous recitals—Mr. Carl Moller, (a) "The Liar" (Horne); (b) "Catching the Early Morning Train" (Adler).
9.54: Light soprano solos—Miss Dorothy West, (a) "My Home While You Wait" (Ayer); (b) "If You Would Cure" (Darewski).
10.0: God Save the King.

Friday, May 25

1YA AUCKLAND (333 METRES)—FRIDAY, MAY 25.

3 p.m.: Afternoon session—Selected studio items.
4.0: Literary selection by the Announcer.
4.3: Further studio items.
4.25: Sports results.
4.30: Close down.
6.0: Children's hour, conducted by Cinderella, assisted by Miss Griffiths and pupils. Recitations, Rona O'Connor, "Mamma's Girl," Molly Kelly, "Papa and Boy." Song, Aunt Dorothy, Recitation, Joan Ross, "At the Pictures." Recitation, "My Watch."

MICROPHONES may come and go, but a voice goes on forever. Thus says an official of the Marconi Wireless Telegraph Company, whose theory it is that a message once broadcast is never lost. "So far as we can say," declared this engineer, "they may go on forever, of course getting fainter and fainter as the time goes by. We have actually trapped a message on its third circuit around the world. If wireless continues to develop at its present rate it is not too much to say that 100 years hence people will be able to pick up messages we are transmitting to-day."

THIRTY-SIX county agricultural agents of Colorado recently gave thirty-six broadcast speeches in thirteen minutes. The speeches were so arranged that they combined to make one continuous story. The topics discussed were farm improvements in each country.

WIRELESS was expected to play an important role in the general elections in France held on April 22. Radio publications called upon wireless enthusiasts not to vote for parliamentarians who had done nothing for their favourite pastime.

THE following telegram was lately published by the American daily papers:—"Hartford, Conn., March 22.—The United States bureau of standards has matched the piezoelectric crystals of stations WTRC, of Hartford, and WLO, of Des Moines, Iowa, in order to avoid heterodyne interference between distant stations that are required to operate on the same frequency. It was at the suggestion of WTRC that this method of avoiding such trouble was undertaken. It is an experiment looking toward a cure for the many squeals we get on our receivers when two stations supposedly of the same frequency interfere."



MISS CATHERINE LAW,
Mezzo Soprano, of 4YA.

Art-like photo.

THE U.S.A. federal radio commission has been informed of the establishment of a 500-watt broadcasting station at St. John's, Newfoundland, with call letters SWMC, and operating on 760 kilocycles. There are seven stations in the United States operating on this channel.

NEWS reports broadcast every evening by KOA, Denver, U.S.A., have caused a new precedent to be established in the legal world. A prominent man in the vicinity of Denver had been charged with owning a still. Conviction would have carried a prison sentence of from two to five years. In broadcasting the news of the Rocky Mountain region, KOA naturally included an account of this bit of news. When prospective jurors were being questioned by the attorney for the defence, they were all asked if they had heard the news items at broadcast by KOA. This was the first time in the history of criminal trials in Colorado that prospective jurors have been asked if they were influenced by radio reports.

AN American writer says:—"That night when you invited your friends in to hear your receiver perform is a typical example. Your set was probably in apple-pie order, and atmospheric conditions excellent. But it failed to do what it had done the night before, simply because you were suffering from a case of 'buck fever,' or stage fright. You would not have admitted it; perhaps were not even aware of it. But just the same, knowing that your friends were waiting to see what your set would do, you were a bit excited, nervous; and, as a result, lost that delicate touch, that little margin of skill with the dials indispensable for the best DX (long-distance) work. In other words, you found yourself in much the same situation as a young pianist who can perform superbly alone, but who becomes merely mechanical when playing before an audience; though, if your friends had not been there, you could probably have done just as well as the night before."

Letters and birthdays. Sketch, Kelyna Turner, "Willow Pattern Plate." Recitation, Mavis O'Connor, "Diana's Suit." Monologue, Joyce Williamson, "Children's Parties." Sketch, Billy Brown, "Bobby and the Painter." Story-time.

7.15: Talk on "Motoring," by Mr. Geo. Campbell.
7.30: News and market reports.
8.0: Chimes.
8.1: Relay of overture from Strand Theatre Orchestra.
8.11: Vocal quartet—Madame Mary Towsey's Quartet, "Sympathy" (Frial).
8.15: Instrumental trio—Studio Trio, "Trio in B Flat, Op. 97, Allegro Moderato" (Beethoven).
8.25: Contralto solo—Miss G. Evans, "I Heard You Singing" (Haydn-Wood).
8.29: Instrumental quartet—The Internationals, (a) "Kiss and Make Up" (Bogate); (b) "Where Is My Meyer?" (Profes).
8.37: Baritone solo—Mr. Leo O'Malley, "The Girls of Kildare" (Norton).
8.41: One-act comedy—The Auckland Comedy Players, with Mr. J. F. Montague, "Just Fancy."
9.0: Weather report and forecast.
9.7: Vocal quartet—Madame Mary Towsey's Quartet, "Jest a-wearyin' for You" (Jacobs-Bond).
9.11: Relay of entr'acte from Strand Theatre Orchestra.
9.16: Tenor solo—Mr. R. Newberry, "Serenade" (Toselli).
9.20: Instrumental trio—Studio Trio, "Peer Gynt Suite" (Grieg).
9.25: Soprano solo—Madame Mary Towsey, "Ave Maria," with violin obbligato by Miss Ina Bosworth (Gounod).
9.32: Elocution—Mr. J. P. Montague, "Business and Self Education."
9.37: Baritone solo—Mr. Leo O'Malley, "Requiem" (Homer).
9.41: Instrumental quartet—The Internationals, (a) "Russian Lullaby" (Berlin); (b) "Trumpet Solo"; (c) "Where, Oh, Where Do I Live?" (Somers).
9.49: Contralto solo—Miss G. Evans, "I Wonder If Love Is a Dream" (Forster).
9.53: Cello solo—Miss Mollie Wright, selected.
9.57: Elocutionary—Miss Irene Day, "Queen Katherine's Speech" (Shakespeare).
10.2: Vocal quartet—Madame Mary Towsey's Quartet, "Be Still, Be Still" (Scott).
10.6: God Save the King.

2YA WELLINGTON (420 METRES)—FRIDAY, MAY 25.

3 p.m.: Chimes of the General Post Office clock, Wellington.
3.1: Selected gramophone items.
4.30: Sporting results to hand.
4.35: Selected gramophone items.
4.55: Sporting results to hand.
5.0: Close down.
6.0: Children's hour—Uncle Ernest and his travels.
7.0: News session, market reports, and sports results.
8.0: Chimes of the General Post Office clock, Wellington.
8.1: Overture—The Orchestra, "Orpheus in der Unterwelt" (Offenbach).
8.10: Quartet—Apollo Singers, "Drink to Me Only" (Mellish).
8.14: Instrumental—The Orchestra, (a) "Walata Poi" (Hill); (b) "Barcarolle" (Offenbach).
8.23: Soprano solo—Miss Moana Goodwill, "If Thou Wert Blind" (Johnson).
8.27: Trio—Synonym-Billwood-Short Trio, (a) "Viennese Refrains" (Kreiser); (b) "Syncope" (Kreiser); (c) "Slavonic Dance" (Dvorak).
8.37: Tenor solo—Mr. E. W. Robbins, "Roses of Picardy" (Wood).
8.41: Piano solos—Mr. Ronald McLean, (a) "Prelude in G Sharp Minor" (Bachmaninoff); (b) "Rustle of Spring" (Sinding).
8.48: Baritone solo—Mr. S. E. Rodger, "Maire, My Girl" (Aitken).
8.52: Clarinet solo, with orchestral accompaniment—Mr. A. H. Wright, "Ugo Conte di Parigi".
8.57: Novelty—The Two Boiled Owls, (a) "Positively Absolutely"; (b) "Lopez, Speaking" (Jentes).
9.3: Weather report and announcement.
9.5: Steel guitar trio—Mrs. Mildred Kenny's Trio, (a) "Oh, For the Wings of a Dove" (Mendelssohn); (b) "Rocked in the Cradle of the Deep" (Knight).
9.11: Lecture—Editor-Announcer, "Imperial Affairs."
9.26: Instrumental—The Orchestra, selection, "Rigoletto" (Verdi).
9.34: Contralto solo—Miss Hilda Chudley, "Lullaby" (Scott).
9.38: Duet—Messrs. E. W. Robbins and S. E. Rodger, "Watchman, What of the Night?" (Sergeant).
9.42: Instrumental—The Orchestra, request numbers.
9.50: Humour (sketch)—The Two Boiled Owls, "2 O.W.L." (original).
9.57: Quartet—Apollo Singers, "Londonderry Air" (traditional).
10.1: Steel guitar trios—Mrs. Mildred Kenny's Trio, (a) "C'est Vous" (Richman); (b) "Mary Lou" (Robinson).
10.7: Tenor solo—Mr. E. W. Robbins, "Floral Dance" (Moss).
10.11: Instrumental—The Orchestra, popular novelties.
10.15: National Anthem.

3YA CHRISTCHURCH (306 METRES)—FRIDAY, MAY 25.

3 p.m.: Afternoon session—Selected studio items.
4.25: Sports results.
4.30: Close down.
6.0: Children's hour, conducted by Big Brother. Bedtime stories and birthday greetings and solos, part-songs and choruses provided by the Standard VI girls from West Christchurch School.
7.15: News and reports.
8.0: Chimes and overture.
8.5: Opening chorus—The Radiolian Quartet, "Jarge, We've Such a Tale" (Moncton).
Vocal quartet—The Radiolian Quartet, "Quakers' Meeting" (Moncton).
Soprano solo—Mrs. Claris Shaw, "O Time, O Time" (Moncton).
Vocal quartet—The Radiolian Quartet, "A Runaway Match" (Moncton).
8.17: Violin solo—Miss Irene Morris, "Serenade" (Barns).
8.22: Contralto solo—Miss Mildred Russell, "A Quaker Girl" (Moncton).
Vocal quartet—The Radiolian Quartet, "Tip Toe" (Moncton).
Bass solo—Mr. W. G. Richards, "Jeremiah" (Moncton).
Tenor solo and chorus—Mr. Gregory Russell and Quartet, "Come to the Ball" (Moncton).
8.34: Instrumental trios—Christchurch Broadcasting Trio, (a) "Andantino" (Lemare); (b) "Dance Hingroise" (Brahms).
8.42: Vocal quartet—The Radiolian Quartet, "It's the Wedding Day" (Moncton).
8.46: Saxophone solo—Mr. Les. Marston, "Chanson Bohemienne" (Baldi).
8.50: Burlesque lecture—Mr. Sidney Comfort, "There's Many a True Word Spoken in Jest" (White).
8.56: Weather report and forecast.
8.57: Overture.
9.2: Contralto solo—Miss Mildred Russell, "Little Grey Bonnet" (Moncton).
9.5: Dance music—Les. Marston's Dance Orchestra, (a) "Magic Voices of the Night"; (b) "One Summer Night."
9.13: Vocal quartet—The Radiolian Quartet, "Barbizon" (Moncton).
9.16: Dance music—Les. Marston's Dance Orchestra, (a) "Forgive Me"; (b) "Hello, Cutie."
9.24: Tenor solo and chorus—Mr. Gregory Russell and Radiolian Quartet, "Coulour de Rose" (Moncton).
9.27: Dance music—Les. Marston's Dance Orchestra, (a) "Diane"; (b) "Janette."
9.35: Humour—Mr. Sidney Comfort, (a) "Don Glaxo—The Bandit"; (b) "The True History of the Red Sea Episode."
9.40: Dance music—Les. Marston's Dance Orchestra, (a) "Grand and Glorious Feeling"; (b) "June Night."
9.48: Soprano and bass duet—Mrs. Claris Shaw and Mr. W. J. Richards, "A Wilderness and Thou" (Moncton).
9.51: Dance music—Les. Marston's Dance Orchestra, (a) "Hallelujah"; (b) "Ray, Ray, Raining."
10.10: Final chorus—The Radiolian Quartet, "Love, I Have Met You" (Moncton).
10.13: Dance music—Les. Marston's Dance Orchestra, (a) "Vodeodo Blues"; (b) "Yale Blues."
Dance music by Les. Marston's Orchestra until 11 p.m.
God Save the King.

4YA DUNEDIN (463 METRES)—FRIDAY, MAY 25.

3 p.m.: Town Hall chimes.
3.1: His Master's Voice recital.
3.15: A "Fashion" talk by Miss Buccleuch, of the D.S.A., Ltd.
3.30: Afternoon tea music from the Savoy.
3.45: Studio music.

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Programmes Continued

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- 4.0: Music from the Savoy.
4.15: His Master's Voice recital.
4.25: Sporting results.
4.30: Close down.
6.0: Children's hour, conducted by Auntie Sheila and Big Brother Bill. The musical part of this programme will be provided by the No. 1 Company of the Anderson's Bay Girl Guides, under Miss L. Wilson, captain. The programme will be, as far as practicable, the songs and choruses, with the Company Haka, used by the Guides in their meetings.
7.15: News session.
7.30: An address by Mr. H. Greenwood, Librarian of Dunedin Athenaeum, on "Review of the Latest Books."
8.0: Orchestral selection.
8.5: Tenor solos—Mr. L. E. Dalley, (a) "From the Land of the Sky Blue Water" (Cadman); (b) "The Moon Drops Low" (Cadman).
8.10: Pianoforte solo—Miss Marjorie McDowell, "Staccato Caprice" (Vogrich).
8.13: Mezzo-soprano solo—Miss Molly Vickers, "The Bird with the Broken Wing" (Golson).
8.16: Bass solos—Mr. J. B. Macpherson, (a) "Brian of Glenaar" (Graham); (b) "The Tavern Song" (Fisher).
8.22: Recitation—Miss Sheila Neilson, "The Sisters" (Whittier).
8.26: Soprano solos—Miss Florence Sumner, (a) "He Shall Feed His Flock" (Handel); (b) "Come Unto Him" (Handel).
8.31: Orchestral selection.
8.35: Vocal duet—Messrs. Dalley and Macpherson, "For You Alone" (Ghele).
8.38: Mezzo-soprano solos—Miss Molly Vickers, (a) "At Dawning" (Cadman); (b) "The Spinning Wheel" (Thomson).
8.43: Pianoforte solos—Miss Marjorie McDowell, (a) "The Juggleress" (Moskowsky); (b) "Polka" (Rachmaninoff).
8.49: Tenor solo—Mr. L. E. Dalley, "The Amber and Amethyst" (Carse).
8.53: Recitations—Miss Sheila Neilson, (a) "Orange Blossom" (Rohmer); (b) "The Journey" (Fisk).
9.0: Soprano solos—Miss Florence Sumner, (a) "All Roads Lead Home" (Tate); (b) "Banks of Allan Water."
9.5: Weather report and forecast.
9.8: Relay of dance music from the Savoy, by Alf. Carey and his Orchestra.
10.0: God Save the King.

Saturday, May 26

1YA AUCKLAND (333 METRES)—SATURDAY, MAY 26.

- 2.45 p.m.: Relay of Rugby football from Eden Park.
6.0: Children's hour, conducted by Cinderella. Piano solo, Josephine Tolhurst, "Impromptu" (Schubert). Song, Anita Webb, "Sun-down" (Feist). Story for tiny tots. Letters and birthdays. Record. Piano solo—Josephine Tolhurst, "Marche Militaire" (Schubert). Story, Cinderella.
7.15: News and sports results.
8.0: Chimes.
8.1: Relay of overture from Prince Edward Theatre Orchestra.
8.15: Grand chorus—Miss Alma McGruer and Lyric Quartet, "Wedding March" from "Lohengrin" (Wagner).
8.20: Tenor solo—Mr. A. Ripley, "The Star" (Rogers).
8.24: Soprano solo—Miss Alma McGruer, "The Pipes of Pan" (Moneton).
8.28: Vocal quartet—The Lyric Quartet, "Rockin' in the Wind" (Parkes).
8.32: Bass solo—Mr. E. Thomas, "A Rollicking Rolling Stone" (Weatherley).
8.36: Vocal solo and quartet—Miss Alma McGruer and Lyric Quartet, "A Ghost Story."
8.41: Relay of entr'acte from Prince Edward Theatre Orchestra.
8.51: Tenor solo—Mr. H. Richards, "Come, Sing to Me" (Thompson).
8.55: Vocal duet—Miss McGruer and Mr. Ripley, "Keep on Humming" (Maxwell).
8.59: Weather report and forecast.
9.0: Humour—Mr. McElwain, some humour.
9.5: Vocal quartet—The Lyric Quartet, "Spin, Spin" (Norwegian folk song).
9.9: Relay of dance music by the Internationals from Dixieland Cabaret, under Mr. Clyde Howley.
11.0: God Save the King.

2YA WELLINGTON (420 METRES)—SATURDAY, MAY 26.

- 3 p.m.: Chimes of the General Post Office clock, Wellington.
3.1: Description of Rugby football match from Athletic Park. Announcer, Mr. Chas. Lamborg.
6.0: Children's hour—Auntie Dot and Uncle Toby and the Cheerio Girls.
7.0: News session, market reports, and sports results.
8.0: Chimes of the General Post Office clock, Wellington.
8.1: Overture—The Orchestra, "Carmen" (Bizet).
8.5: Quartet—Melodie Four, "Old Man Moses" (Hume).
8.9: Light vocal—The Glad Idlers, "The Good Little Boy and the Bad Little Boy" (Weston and Lee).
8.14: Instrumental—The Orchestra, (a) "The Volga Boatmen" (Russian folk song); (b) "Haunting Humoresque" (Black).
8.22: Humour—Mr. Geo. Titchener, "The Coster at His Wedding."
8.28: Bass solo—Mr. W. W. Marshall, "A Chip of the Old Block" (Squire).
8.33: Jazz piano solos, (a) "Golden Sunset Waltz"; (b) "Henry's Made a Lady Out of Lizzie."
8.40: Tenor solo and quartet—Mr. S. Duncan and the Melodie Four, "Image of the Rose" (Reichardt).
8.44: Italian mandolin—Mr. Lad Haywood, (a) "Blue Skies" (Berlin); (b) "Bird's-eye View" (Donaldson).
8.51: Light vocal—The Glad Idlers, medley of popular hits.
8.59: Weather report and announcements.
9.1: Instrumental—The Orchestra, (a) "In a Clock Store" (Orth); (b) "American Patrol" (Meacham).
9.9: Tenor solo—Mr. F. Bryant, "I Heard You Singing" (Conates).
9.13: Baritone solo—Mr. R. S. Allwright, "The Yeoman's Wedding Song" (Poniatowski).
9.18: Instrumental—The Orchestra, request numbers.
9.26: Humour—Mr. Geo. Titchener, "My Dictionary" (original).
9.34: Whispering baritone—Mr. Jack Dunne, (a) "Give and Take" (Bennett); (b) "A Little White House at the End of Honeymoon Lane" (Hanby).
9.40: Italian mandolin—Mr. Lad Haywood, (a) "Rose Marie" (Friml); (b) "Indian Love Call" (Friml).
9.46: Tenor—Mr. S. Duncan, "Alice, Where Art Thou?"
9.50: Quartet—Melodie Four, "Lay My Head Beneath a Rose," by request (Falkenstein, arr. F. Crowther).
9.54: Dance programme. Vocal choruses by the Glad Idlers.
10.0: Whispering baritone—Mr. Jack Dunne, (a) "Falling in Love With You" (Meyer); (b) "When the Love Bird Leaves the Nest" (Wade).
10.6: Dance items.
11.0: National Anthem.

3YA CHRISTCHURCH (306 METRES)—SATURDAY, MAY 26.

- 12 noon: Relay of civic reception accorded to visitors to Christchurch for the Diamond Jubilee from City Council Chambers.
2.45 p.m.: Description of Rugby football from Lancaster Park, by Mr. A. R. Allardice.
6.0: Children's hour—Uncle Sam and Aunt May.
7.15: News session.
7.30: Sports results.
8.0: Relay of band items and community singing from Victoria Square. A description will be given of the city by night—illuminations and street noises.
The following programme will be given from 3YA studio during intervals of description of the evening's proceedings:—
Musical monologue at the piano—Mr. Cyril Avondale, "If I Had a Little Garden of My Own" (own).
Humorous recitation—Mr. Sydney Comfort, "A Tail of the Horse-Stralian Bush" (own arrangement).
Instrumental trios—Christchurch Broadcasting Trio, (a) "Nocturne" (Widor); (b) "Hungarian Dance, No. 2" (Brahms).
Musical monologue—Mr. Cyril Avondale, "Erbert's At" (own arrangement).
Humorous recitation—Mr. Sydney Comfort, "Humorous Mimicry."
Instrumental trios—Christchurch Broadcasting Trio, (a) "Sings My Mother Taught Me" (Dvorak); (b) "Festival Dance" (Hartmann).

THERE is more than one way for a radio wave to get to Africa. WGY and its shore wave station, 2XAF and 2XAD, have travelled the 3000 miles to Johannesburg direct on many occasions, but according to the "Rand Daily Mail," of Johannesburg, the wave on January 2, 1928, was re-routed by way of Daventry, and a double rebroadcast was accomplished. Daventry picked up and rebroadcast 2XAF, of Schenectady, and JB, of Johannesburg, picked up Daventry's rebroadcast, and rebroadcast that signal. The "Rand Daily Mail's" story, and the heading, "Unique Broadcasting Feat—A Triumph of Relaying," follows: "A unique achievement in the history of wireless reception in South Africa was achieved by JB last night. WGY (Schenectady) broadcast a special programme for Europe, which was picked up by Daventry (England), relayed by this station, and received clearly by JB, where it was again broadcast for the benefit of enthusiasts in South Africa. Thus the American programme had travelled across the Atlantic to England, and from there down to South Africa, where it was distributed to every listener-in. Other items caught from Daventry by JB were 'Hitchy-Koo,' from Katinka, and musical selections."

THE editor of the New York "Radio News" is optimistic regarding television. He says: "What will happen in the future and during the next cycle of radio progress, no one can foretell exactly; but, for one thing, it is quite certain that during the next two years a new adjunct to radio's utility will come along in the form of television. You will have a television attachment, just as you have a loudspeaker to-day. You will plug it in to your radio set at the same time you plug in your radio loudspeaker;



MR. JAMES LAURENSEN.

A well-known and popular orationist at 3YA. Mr. Laurensen was a prize-winner at the Competitions.

—Steffano Webb, photo.

and you will see the distant events on your television 'screen' as you hear them on your loudspeaker, both at the same time."

APPLY a small dab of rubber cement around the needle shaft of the cone speaker if it has developed a buzz or rattle that is especially noticeable on fairly weak volume. Use the kind of cement that remains semi-flexible after drying thoroughly, and place it at the point of connection of the needle shaft with the cone tip. On the front side, back off the small nut on the shaft end enough to allow the cement to coat its surface, and dry before tightening the nut, forming thus a rubber washer. After tightening the nut apply one more coating of cement over the nut and shaft end. Do not tighten the nut more than necessary, otherwise it is possible to cut through the first coating. Glue will work satisfactorily for the volume usually required for best reproduction with cone speakers, but rubber cement is superior when low volume is desired.

THE only important wires which must be kept short and free of all others are those running directly from the grid posts of the valve sockets to related instruments. It is advisable, but not so urgently essential, to keep the grid connections on the audio amplifiers short. However, if they do take a few twists or lie across some other wires they will not seriously affect the operation of the receiver, as similarly misrouted wires in the radio-frequency magnifiers are certain to do. All the other wires in a set, including the filament returns, the A, B and C battery and rheostat and switch leads, may be bunched together into one cable without harming the outfit in the slightest. There is no need at all for stiff bus-bar and carefully separated connections; insulated solid or flexible No. 18 wire is just as good and can be handled much more easily.

AN outdoor aerial must not touch anything unless it is an excellent insulator, and the fewer points it touches, even though they are insulators, the better the aerial installation and the more energy comes to the receiving set.

4YA DUNEDIN (463 METRES)—SATURDAY, MAY 26.

- 2.45 p.m.: Relay of Rugby football from Carisbrook ground.
7.15: News session.
7.30: Lecture, under the auspices of the W.E.A., by Mr. Lloyd Ross, M.A., on "Witches."
8.0: Town Hall chimes.
8.1: Relay of orchestral selections from the Empire Theatre.
8.13: Baritone solo—Mr. R. M. Tuohy, (a) "When the House is Asleep" (Haigh); (b) "The Old Flagged Path" (Arundale).
8.20: Cornet solo—Mr. George Christie, "The Soul's Awakening" (Haddock).
8.25: Vocal quartet—4YA Harmonists, "The Hunt" (Coward).
8.29: Violin solos—Mr. A. R. Watson, (a) "Ave Maria" (Schubert); (b) "Andante and Allegro" (Bach).
8.39: Soprano solos—Miss Roma Buss, (a) "Hills of Donegal" (Sander son); (b) "Dreaming of Home" (Besley).
8.45: Relay of orchestral selections from the Empire Theatre.
8.55: Vocal quartet—4YA Harmonists, "A Stitch in Time" (Coward).
9.0: Weather forecast and announcements.
9.3: Tenor solos—Mr. A. R. Mitchell, (a) "Fairy Tales of Ireland" (Coates); (b) "Now Sleeps the Crimson Petal" (Quilter).
9.12: Flute solo—Mr. J. W. Stewart, "The Virgin's Last Slumber" (Mascenet).
9.17: Mezzo-soprano solo—Miss Mollie Andrews, "A Heart that's Free" (Robyn).
9.21: Cornet solos—Mr. George Christie, (a) "When Thou Comest" (Rossini); (b) "Songs Without Words" (Hans).
9.28: Vocal quartet—4YA Harmonists, "They Know Not My Heart" (Stanford).
9.32: Violin solo—Mr. A. R. Watson, "Ballet" from "Orpheus" (Gluck).
9.36: Mezzo-soprano solo—Miss Mollie Andrews, "Song of the Palanquin Bearer" (Shaw).
9.40: Flute solos—Mr. J. W. Stewart, (a) "Zigeuner Tanz" (Buckner); (b) "Elegie Non Suite" (Krantz).
9.47: Relay of orchestral music from the Empire Theatre.
10.0: God Save the King.

Sunday, May 27

1YA AUCKLAND (333 METRES)—SUNDAY, MAY 27.

- 3 p.m.: Afternoon session—Selected gramophone items.
4.0: Literary selection by the Announcer.
4.8: Further selected gramophone items.
4.30: Close down.
6.0: Children's service, conducted by Big Brother George, assisted by cousins from St. David's Presbyterian Sunday School.
6.55: Relay of evening service from Congregational Church. Preacher: Rev. Lionel Fletcher. Choirmaster, Mr. W. Gemmell.
8.30: Relay of Municipal Band concert, under the direction of Mr. Christopher Smith.
9.30: God Save the King.

2YA WELLINGTON (420 METRES)—SUNDAY, MAY 27.

- 3 p.m. to 4.30 p.m.: Afternoon session.
6.0: Children's song service—Uncle Ernest.
6.55: Relay of evening service of St. Gerard's Redemptorist Church, Hawker Street, Wellington.
Organ solo—"Flemish Folk Song," arr. Roper (Bosworth).
Rosary—"With Choral Responses."
Antiphon—"Regina Coeli" (Witzska).
Sermon.
Motets—"Mother Mary, Queen Most Sweet" (Anon.); "As the Hart Pants," 42nd Psalm (Mendelssohn).
Organ solo—"Hail, Queen of Heaven" (traditional).
Benediction.
Motets—"O Salutaris Hostia" (Clements). "Veni Sancte Spiritus" (Vogler). "Tantum Ergo" (Beethoven). "Divine Praises" (Anon.). "Adoremus and Laudate Dominum" (Barrett).
Organ solo—"Finale March," from "Jessonda" (Spohr).
Conductor—Mr. Frank J. Oakes.
8.15 (approx.): Relay of the Port Nicholson Silver Band recital from the Grand Opera House. Conductor, Mr. J. J. Drew.

3YA CHRISTCHURCH (306 METRES)—SUNDAY, MAY 27.

- 11 a.m.: Relay of morning service from Trinity Congregational Church. Preacher, Rev. D. Gardner Miller.
3 p.m.: Relay of Civic Service from Anglican Cathedral. Preacher, Rev. J. Archer.
5.30 p.m.: Children's song service, conducted by Big Brother Bill, assisted Paul's Presbyterian Sunday School.
6.30: Relay of evening service from St. Paul's Presbyterian Church. Preacher, Rev. W. Bower Black, LL.B. Organist and choirmaster, Mr. Norman R. Williams. Organ solos will be given after service by the organist until 8 p.m.
8.0: Musical items from 3YA studio.
8.15: Relay of sacred concert from Christchurch Municipal Concert Hall.

4YA DUNEDIN (463 METRES)—SUNDAY, MAY 27.

- 5.30 p.m.: Children's song service, conducted by Big Brother Bill, assisted by children from Knox Church Presbyterian Sunday School.
6.30: Sacred concert and service by the International Bible Students' Association. Address by Mr. O. G. Canty.
8.0: Relay from His Majesty's Theatre of concert by the Kaikorai Band, under the conductorship of Mr. E. Franklin, and vocal items by assisting artists.
9.15: Close down.

"The rapid advance of broadcasting will, one feels, continue for many years to come, there being still many fields of activity as yet uncovered—especially the field of international relays (says the London "Radio Times"). European broadcasting authorities are patiently working to make possible a great 'link up' of the nation's programmes by means of telephone lines. This is intricate work, for it means the installation and connection of lines of a special weight and frequency. Such a connection between London and Vienna is now almost complete—and the day not far distant when we shall be able to receive the Viennese programmes broadcast from our British stations."

Almost every circuit in some American radio publications is now arranged for A.C. power for plate, filament, and grid voltage. Dr. Lee Forest commented recently that Australia and Great Britain have not progressed as rapidly in radio as America.

A broadcast listener writes from the Swiss Alps to the London "World Radio":—"Listened to the passing of the Old Year and the entry of 1928 from many different stations. At midnight (11 p.m. G.M.T.) I held myself in readiness for a busy five minutes, and on the sound of the first chime of the hour commenced my rapid search. Within a very few minutes many studios had passed through my loudspeaker. First came trumpet-calls from a church steeple in Breslau. Then I found the orchestra from one of the Polish transmitters playing Chopin's famous "Military Polonaise" (Opus 40), bells again from Vienna, and on running round the German stations found nearly all of them playing "Deutschland über Alles." After listening for a while to the different broadcasts I turned back to the home-land for a few minutes at the Savoy Hotel, and ended the sitting listening to the beautiful Watch Night Service from York Minster."

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The Two R. F. Shielded Browning-Drake

Distance-Getting and Quality Reception Combined

By "Megohm"

HERE is the reliable Browning-Drake circuit with the addition of an extra radio-frequency valve, for which so many readers have been asking. The whole receiver has been re-designed for accommodation within the necessary shielding, and a fine quality receiver is the result. Not only is there a wonderful increase in distance-pulling, but alteration of details, including the cabling of battery leads, has produced a sharpness and clearness of tone that leaves little to be desired. As an instance of added range, it may be stated that with the new five-valver in Wellington, both 1YA and 4YA can be received at full loud-speaker volume in the daytime, and this could never be done with the four-valver. The main Australian stations come in with tremendous volume, with reaction at zero, and the lesser stations in due proportion.

For the R.F. stages, ordinary valves such as have previously been used in the R.F. stage, are used, but a method of utilising a shielded-grid and other low-capacity valves will be described at a later date. The three stages are fully shielded with copper.

The amplifier is not to be described, and it is recommended that constructors use a separate amplifier unit, which, in the case of those already running a Browning-Drake or similar circuit, will be made up from the components already in use. The separate amplifier is a good proposition, as it may quickly be hitched up to any circuit, permanent or experimental, or short-wave adapter.

THE BASE AND SHIELDING.

THE baseboard is made of 3-in. rimu, 19 by 11½ inches, with three battens underneath of the same thickness, one at each end and one in the centre, each measuring 1in. by 11½in. Shellac dissolved in methylated spirits makes a neat finish for the woodwork.

The shielding is constructed of sheet copper, 28's s.w.g. gauge, tinned one side or plain both sides. This is usually obtainable in sheets 4 feet by 2 feet. If tinned, let the tinned side be the inside, and finish the outside with black cycle enamel. The panel may conveniently be made of zinc or aluminium of 14's or 16's gauge, measuring 19 by 8½ inches. The side of the shielding boxes that comes against the back of the panel is omitted, and the end of the box butts close against the panel. Each copper box stands on its own shielding tray, which is screwed to the baseboard, a quarter of an inch being allowed between each tray. Half an

inch is turned up on three sides of the trays, and where a wire passes from one shield to the next, a V notch is cut in both the sides of the tray and the lower edge of the shielding box, and a short piece of spaghetti covers the wire to protect it from damage.

cutting, as shown, the three trays come out of the full sheet with two boxes, and the third box is made from the extra piece. All edges of the boxes are turned in half an inch to give strength and stability, and this extra must be allowed for in cutting as shown. Each box is cut

It is to be particularly noted that the right-hand condenser controlling the detector stage must not have either fixed or moving plates earthed. To accomplish this, a square of ebonite is to be bolted to the back of panel, and to this the condenser is to be fixed, all holes in the panel

being drilled well oversize to clear the spindle, etc. A piece of ebonite about 4 by 2 inches may be sufficiently large. No metal part of the condenser is to contact the panel.

THE AERIAL TUNING COIL.

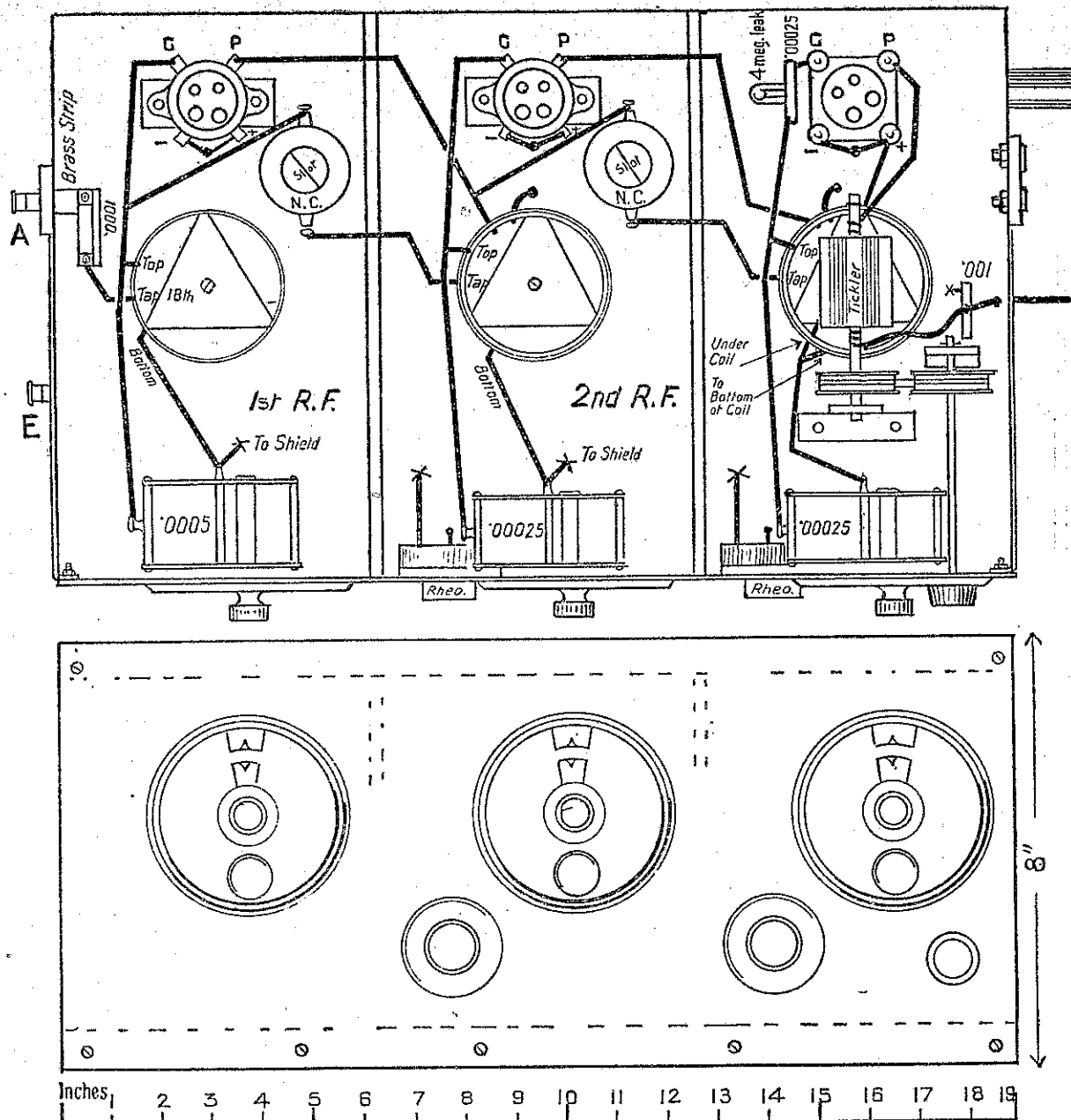
THIS is construction on the "low loss plan, of 20's s.w.g. tinned copper wire, spaced with 24's. Sixty-four turns are to be put on. The coil is made in the usual way for space-wound coils, on a 3-inch cardboard or other former which is afterwards removed, leaving the turns supported by three 3-in. strips of transparent celluloid inside the coil, and three other strips outside. The celluloid is cemented to the turns with liquid acetone in which chips of celluloid have been dissolved. A triangular piece of 3-in. rimu is cut as shown in the plan of set, the corners being sawn off to give a small flat, to which the lower end of the celluloid strips is screwed. The lower end of all coils is to be a full inch clear of the copper tray. At the 18th turn, counting upwards from the bottom, a tap is to be provided for connection to the small series condenser in the aerial circuit. This condenser may be placed in the most convenient way. It is shown mounted in clips on a strip of ebonite 1½ by 2-in., and the bolt at one end of this attaches to a small brass bracket which is in turn bolted to the back of the aerial terminal. This terminal is mounted upon a piece of ebonite 1½ by 1½ins. screwed to the edge of baseboard as shown.

A small piece is cut from the side of the copper screen to clear this. The earth terminal is bolted direct into the edge of the tray. The panel and all trays must be electrically connected. This is done by bending together the front end (at the panel) of adjacent turned-up sides and soldering them together. To connect the panel to the trays near aerial terminal. It is handy to have the fixed aerial condenser in clips so that it can be changed if necessary. A variable condenser in this position takes up too much room, and is practically no advantage.

THE NEUTRALISING CONDENSERS.

TWO are required, maximum capacity .000025 mfd. The make used by the writer is the Igranite

(Continued on Page 13.)

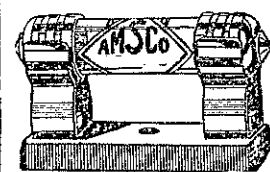


FOR the shields, a whole sheet of copper will be required, and in addition a piece 21 by 19½ inches. The full sheet must be cut up as shown in the diagram, otherwise more copper will be required. By

in one piece, the back having a half-inch, turned in at each side, which is turned in and soldered to the sides. This soldering cannot easily be done with an ordinary iron, as the copper conducts the heat away very rapidly. A blowpipe, even a jeweller's mouth blowpipe and methylated spirit flame, will answer quite well.

ALL bending should be done over the edge of a suitable piece of wood or metal, and care must be taken to have the boxes a shade under rather than over the dimensions. A coat of black cycle enamel completes the copper boxes. All bends are shown by dotted lines in the diagram.

THE panel is drilled along the bottom edge to screw to the front edge of baseboard. At the top corners a 1-8in. hole is drilled, through which a brass bolt is passed to secure the ½in. brass strut at each side, 18's gauge brass being used, the total length being 11ins. The panel comes below the baseboard and hides the space left by the battens. It will be noticed that the centres of the condenser dials are not central to the boxes, but this arrangement is necessary. Care must be taken to drill the central holes in a position to suit the particular make of condenser purchased, but the positions as shown will fit most makes.



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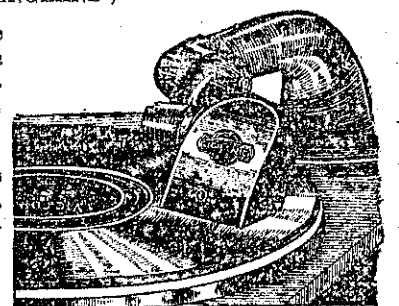
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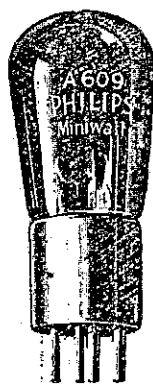
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The Two R. F. Shielded Browning Drake

Continued

micro-condenser, which is particularly suitable. In this condenser the plates are easily removed and replaced. The correct value is obtained by removing two fixed and one moving plate from each. The condensers are fixed by drilling a hole in the centre of the bakelite cover, which can then be secured to the baseboard by a screw and the condenser placed in position. Across the knob of each a slot is to be cut with a hack-saw so that the condenser may be turned with a thin stick cut at the end like a screw-driver. A hole is to be drilled in each R.F. shield directly above the knob of the condenser so that it may be turned by inserting the neutralising stick through the hole whilst the shield is in position.

VARIABLE CONDENSERS.

THE values are .0005 for the first stage and .00025 for the second and detector stages. The three vernier dials should have a ratio of not less than 10 to 1. The two rheostats should be wire-wound, of 30 ohms each.

R.F. TRANSFORMERS.

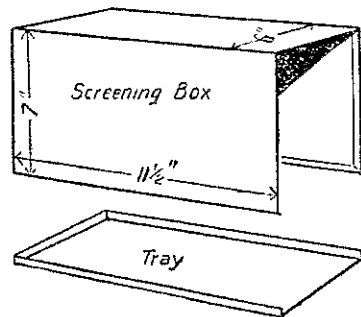
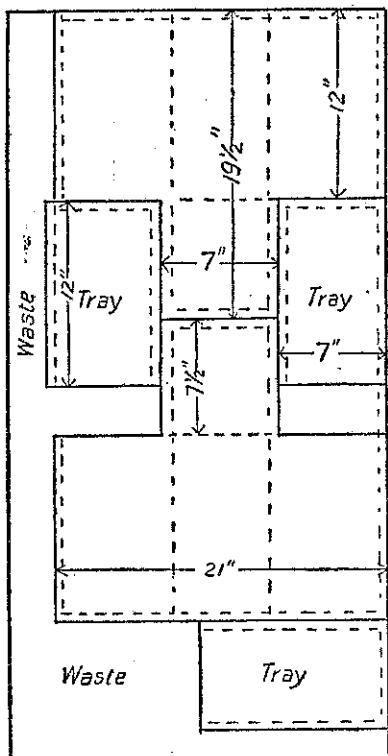
THERE are two R.F. transformers, only the one in the detector stage requiring a tickler. The coils nearly alike as possible, 82 turns of 22's s.w.g. tinned wire on each, for these should both be made as spaced with 24's wire, which is wound off before cementing to the celluloid. When these coils have been fixed in position, examine them very carefully to make sure that no turns have become misplaced so that they are in contact with an adjacent one, as such a happening may cause quite an amount of mysterious trouble.

Three strips of celluloid are put on both inside and outside as for the aerial coil. The coil that is to bear the tickler must have a wider piece of celluloid, half inch, put on at the back, and at the top, above the turns, a piece of celluloid should be put in between the two, and cemented in place. This is to form a thickness through which a 3/16 in. hole is drilled to act as a bearing for the back end of tickler spindle, which is 3/16 in. ebonite rod.

The lower end of each coil is secured to a wooden triangle with screws, the lowest turn of the coil to be a clear inch above the copper tray, so that the celluloid strips must be left projecting from under the turns when winding on the former. THE primary coil for each transformer is made by winding irregularly the prescribed number of turns for the valve in use. These turns are wound irregularly round a former—a bottle will do—slightly smaller than the inside diameter of the coils. The wire to be used is 30's d.c.c. The turns are then bound together in three places with strong thread. In order to thoroughly insulate the primaries from the secondary turns, a 3/16 in. strip of celluloid is fastened round the inside of the lower end of each secondary coil, projecting below about a sixteenth. This is secured by cementing to the upright strips, the joint being made on one of these. The primary coil is then placed inside the lowest turn of each

secondary and secured there by tying to the celluloid strip with fine thread. Without this precaution of insulation there is the possibility of a "short" between the two coils, which are connected to B positive and B negative respectively.

The upright position of the coils and limited space within the shields necessitates a special arrangement for the tickler control. The back end of the tickler spindle works in a bearing in the celluloid strip. The lower side of the spindle is to be 1/4 inch above the top turn of the coil. The front end of the spindle is supported by a bearing consisting of a strip of wood screwed to a cross-



piece fastened to the base. A wooden pulley of 1 to 1 1/2 inch diameter, the latter best, is placed upon the spindle, and another pulley of the same diameter works upon a 3/16 in. spindle near the baseboard as shown, the front end of spindle working in the panel and back end in a small wooden bearing. A strong thread is passed twice round each pulley and fastened to each at its central point on the pulley, which is conveniently done by drilling a hole through diagonally and pulling a loop through, fastening on face of pulley. There can be no slip with this arrangement. The only way to dispense with it is to place the condenser

lower, put the rheostat at top of panel above condenser.

NO doubt some readers will be writing to ask if the shielding can be dispensed with. It cannot. The whole success of this receiver depends upon the shielding, and the extra R.F. cannot give amplification without it. Moreover, the construction of the shielded receiver is paving the way for the addition of the screen-grid valve at an early date. The writer is expecting the arrival in New Zealand of stocks of a special low-capacity R.F. valve, which may be very suitable, and there is shortly to arrive the English type of screen-grid valve. This receiver will need little alteration to accommodate the new valves.

There will probably be queries as to the advisability of reducing the size of the copper boxes. Well, constructors may alter sizes if they wish to do so at their own risk. The nearer the shield goes to the coils, the more damping will there be. After all, we are not building these sets for export, and thinking as much about packing space as efficiency, so why need the size be pinched?

Next week further particulars and helpful diagrams will be given, probably concluding the article.

MATERIALS REQUIRED.

Variable condenser, .0005	12	6
2 Variable condensers, .00025	1	5
3 Vernier dials, 10-1	19	6
2 Rheostats, 30 ohms	6	0
2 UX valve sockets	4	6
1 Benjamin socket, sprung	4	6
Fixed condensers, .00025, .001, .0001	7	0
2 Neutralising condensers, max. .000025	13	0
Grid leak, 4 meg. and clips	3	0
1/2 lb. 22's s.w.g. tinned wire	2	3
1/2 lb. 20's s.w.g. tinned wire	1	3
Knob for tickler	1	0
Panel, zinc or aluminium, 19 by 8 1/2	7	6
Copper for shielding	15	0
Connecting wire, screws, etc., etc.	5	0
	£	7 0

QUERIES BY CORRESPONDENCE.

1. Every communication enclosing queries is to be addressed to "Meg-ohm," Box 1032, Wellington, and must be accompanied by a stamped addressed envelope for reply by post.
2. Questions must be written so that a space is left in which the reply may be added.
3. No charge is made for replies.

TIPS AND JOTTINGS

Interference by Trams.

EXPERIMENTS to overcome this kind of trouble have been undertaken in England and in Europe, in co-operation with the tramway and broadcasting authorities, and it is said that the results have been most encouraging, though particulars are not yet forthcoming.

DOUBLE IMPEDANCE.

THOSE constructors who are experimenting with double impedance are recommended to commence with a coupling condenser of a half microfarad, which is the value that is likely to be quite satisfactory. Experiment shows that capacities up to one microfarad may be used with good effect, but the half is a good average, and yields very satisfactory tone. It is quite feasible to run three stages of double impedance, but they should all be of high quality, and the best method of construction would be to perfect one stage before adding another.

MARCONI VALVES.

ALTHOUGH Marconi receiving valves have been widely used in other countries for a considerable time, the first shipment has only recently reached New Zealand. Several different types are now available at average prices.

"Pirates" in Canada.

IN Canada a motor-car round-up of pirates has been quietly proceeding for several months. In some cases the Royal Canadian Mounted Police have proved helpful in tracking offenders.

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ALTONA & HAMMARLUND-ROBERTS SETS.	Johns, Ltd. Chancery Street.
AMPLION LOUDSPEAKERS	All Radio Dealers.
BREMER-TULLY RADIO	Superadio, Ltd., 147 Queen Street.
BURGESS RADIO BATTERIES.	All Radio Dealers.
CE-CO VALVES	All Radio Dealers.
FADA RADIO	Radio Supplies, 251 Symonds Street.
FEDERAL, MOHAWK, GLOBE	Federal Radio House, 8 Darby Street.
GILFILLAN AND KELLOGG	Harrington's, Ltd., 138-140 Queen Street.
GREBE RADIO	Howie's, Dilworth Building, Custom St. E.
MARCONI ECONOMY VALVES	All Radio Dealers.
MULLARD VALVES	All Radio Dealers.
RADIOLA RECEIVERS	Farmers' Trading Co., Ltd., 110 Hobson Street.
RADIOTRON VALVES	All Radio Dealers.
RELIANCE BATTERIES	Reliance Battery Mfg. Co., Ltd., 90 Albert Street.
PHILIPS VALVES AND APPARATUS	All Good Radio Dealers.

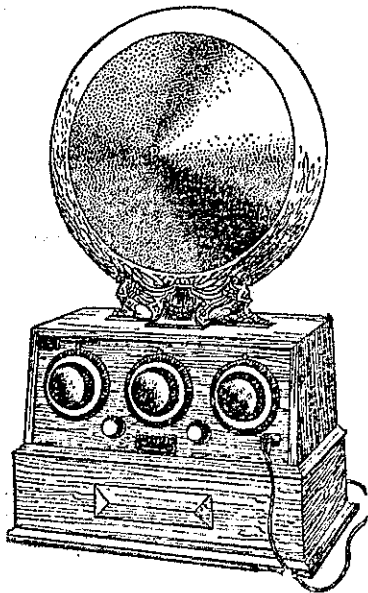
MOUNTAIN CAUSES "DEAD SPOT"

COMPLETELY STOPS TRANSMISSION

Lieutenant H. F. Breckel, of the U.S.S. Delaware, relates his experience of a "dead spot" located whilst attempting to transmit a message whilst at sea off the coast of Cuba. The message was to be transmitted only 150 miles, and the difficulty encountered is related by the Lieutenant in his own words. He says, "I opened up" on about one and a half kilowatts power with the quenched gap spark transmitter and called the station—without results. This procedure was carried out at the correctly specified intervals. I gradually increased my power to full strength with forty amperes in the antenna—and still no answer could I hear! In an interval of listening I heard what I knew to be one of our destroyers calling me from a position that was nearby but to seaward and outside the point defining the entrance to the

bay. The operator said he was in easy communication with the station at Guantanamo and would relay my message for me. This suited me fine, so I gave it to him on reduced power, and then he gave Guantanamo a single call on the same strength of power he used in calling me. Evidently he got him on the first trial, for he relayed my message at once!

"Yet I, with my forty amperes in the antenna, could not get the base after almost an hour's work! This was some dead spot, I concluded. After going off watch I went up to the chart house and looked up the geographical aspects of the situation. Ultimately I reached the conclusion that the innocent-looking mountain range (the Sierra Maestra Mountains) extending between the point where I was located at Guacanayabo Bay to the base at Guantanamo Bay, was probably responsible for the difficulty. I further ascertained that there was known to be a considerable body of iron ore in the portion of the range adjacent to Guacanayabo Bay, and this doubtless was definitely responsible for the failure of the radio signals to get through from my station, while the comparatively low-powered transmitter of the relaying destroyer got the message through perfectly."



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Value of Good Announcing.

H.G. (Arundale): I feel I must endorse "Waihi's" remarks and suggestions, particularly the paragraph concerning announcers. I am sure that the Auckland crystal set owners and a good few valve set owners would rejoice and thoroughly appreciate a re-broadcast on Saturday evening, especially from the Sydney Stadium, just to break the 12 hours of jazz music that is put over regularly. Still, one must admit that Auckland's programmes are improving wonderfully. Mr. J. F. Montague's effort of last Friday is one of the finest things put over by 1YA for many many moons. 2YA is to be congratulated on their orchestra, whose versatility is greatly appreciated and is a vast stride in New Zealand broadcasting. The announcer of 3YA is undoubtedly the best in the Southern Hemisphere—not one of the 27 stations I log can compare with him, and is, I should say by the different correspondents' remarks, a great asset to the New Zealand Broadcasting Company. 4YA is running pretty close, too, I have noticed, and puts things over very nicely dressed up, distinctly and quite clear.

58 Stations on 3 Valves.

W. B. Dance (Blenheim): In reference to Mr. S. R. Ellis's letter in this week's "Radio Record" as to whom is the champion five-valve listener of New Zealand. I haven't a five-valve receiver, but have a three-valve, all wave (home-made). To date I have received on loud speaker: 1YA, 2YA, 3YA, 4YA, 2AQ, 3ZL, 2ZF, 2FC, 2BL, 2GB, 3AR, 3LO, 4QG, 2UE, 3DB, On phones: 4ZL, 1ZB, 4ZM, 5CL, 7ZL, 2UW, 3UZ and KFON, Long Beach. On short waves in N.Z.: 1AF, 2AQ, 3AJ, 3AU, 3AP, 4AE, 4AM, 3AZ, 3AC, 2AB, 2AP, 1AR, 3AL, 1AN, 2AL, 2BO, 3PM, 2AM. Australia: 7CW, 2RC, 6AG, 2ME, 3LO, 2BL, 2LE, 4NW, 2YG, 3UZ, 4BO. Foreign: 2XAP, RFM, 2XG, PCJJ, ANE, JHBB. In closing I may state that I am using a very low aerial and a poor earth. This makes 23 on broadcast band and 35 on short-wave band. Total 58.

Personal Congratulations.

Ancklander: As a listener-in of considerable experience, I really feel it is my duty, through your paper, to congratulate 2YA on its new orchestra. The selections played by it are highly satisfactory, and will be heartily approved of by the great majority of the listeners. The execution of the orchestra is admitted by all to be superb and places 2YA on an easy first among New Zealand stations. For an orchestra of its size it has no superior among the Australian stations. It would please me much if you would, on my behalf, personally congratulate each member of the orchestra on his thorough mastery of his instrument.

Orchestra Pleading.

C. J. Nordstrand (Onerahi): I wish to thank you for the beautiful music played by the "new orchestra." It is really a great treat to listen to it, and we receive it clear and loud, though this little township is many miles from Wellington. I take great pleasure in filling in the slip cut from the "Radio Record." I know so many who are so fond of those pieces of music. Many thanks for the hours of pleasure we get from the many and varied artists we nightly listen to from station 2YA, Wellington—one of the best.

"The Finest for 30 Years."

Extract from letter regarding 2YA: "May I ask you to accept and, if convenient, convey to your orchestra, my appreciation of a very fine week's programme. Specially would I like to mention the Musical Switch number last night, a number distinguished by perfect tempo on the part of conductor and rendering by orchestra. Also the Gilbert and Sullivan number which was, I think, the finest rendering I have heard probably since I heard the D'Oyley Carte Company render the opera over thirty years ago."

Who is the Stranger?

J. W. Ashford (Karori): Re my letter of inquiry which you published in this week's number, I am still puzzled as to who the foreign station operating just below 2BL's wave-length happens to be. Your correspondents, together with "Aerial" in his weekly notes in "The Dominion," state that it is JOAK, Japan. The night after I wrote you last I logged JOAK about 10 degrees above 2BL's reading—in fact, it is almost on 4QG, Brisbane's setting, as I have to wait till he closes down before I get him. I have now kept him company every night for a week, but to make sure of his identity I decided to lose further sleep last night, and at 2 a.m. he woke the wife up in her bedroom giving his home address with deliberate and unmistakable delivery. The fellow close on 2BL must be his brother by the sound of things, his announcement I have not so far been able to get only partly, but it seems similar to the man in Tokio and perhaps will turn out to be JOBK. Since these Japs have been around I have not been logging "IBED" till about 3 in the morning, but it's all in the game, so why worry.—(It was recently announced that Japan was putting on six 10 kw. stations. Amongst these was listed JOBK on 380 metres, which is just below 4QG at 385 metres. This Jap. is located at Kumamoto. JOBK is on 390 metres at Sindai. JOBK is on 400 metres. A useful table of foreign stations receivable in New Zealand is given in the "Radio Listeners' Guide," which will be published in ten days' time.—Ed.)

Improvements at 1YA.

Henderson: As a consistent listener-in to 1YA, I'll briefly give you my opinion of the station during the last six months. I refer especially to the transmission. It has improved out of recognition and the Auckland radio correspondents who suggested in the newspapers that the new operator (who replaced the gentleman who resigned) did not know his job should now make honourable amends. The transmission from 1YA has never been better. I hope that operator stays at 1YA. As for the programmes, well, contrary to what the Auckland critics led the public to believe, they have kept pace with the improvement in the transmission.

Good Record for One Valve.

J. Surman (Auckland): I have been a reader of your paper since publication began and have so far never missed a number, and do not intend to so long as they continue to be so interesting and so fully and efficiently made up. I have a one-valve set, and am more than satisfied with the manner and reliability with which it works. Practically the first night I used it, about three weeks ago, I

Notes from Auckland

(By Listener.)

THE coming of winter nights, with their accompaniment of household fires, or the switching on of the radiator, have given quite a fillip to listening-in throughout the city and suburbs. As a consequence there has been a steady increase in the number of licenses issued at the G.P.O., and with the 11,000 mark now well passed, the province should soon exceed its last year's total.

LAST year a resident of lonely Aitutaki visited Auckland and took back with him a five-valve set. During the five long months when no steamer calls at the island he found the set a boon without price, for through it he was in constant nightly touch with New Zealand, Australia and America, and the handful of whites on the island gathered regularly at his house to "hear the world." Now other sets are to go down with the first boat of the season, and soon a receiver will be as much in demand in the islands as is a mosquito net.

MR. CULFORD BELL, whose voice rings distinctly each night from 1YA, is at present on leave, and his place before the microphone is being taken for the time by Mr. M. S. Cox, who was some time ago assistant announcer at the station.

THOSE with valve sets are thoroughly enjoying 2YA's excellent orchestra, which is "delivering the goods" that listeners want, and in a manner that challenges comparison with anything we hear from overseas. Aucklanders are hoping that on some suitable evening when weather conditions are all that they should be, the 2YA orchestra will be relayed from the local station. It is recognised that such relaying could not be definitely pre-arranged, as static might decide to be unkind, but if a favourable opportunity were seized, impromptu, the crystal folk in their thousands would rejoice at only a brief listening to what is the strongest feature of New Zealand's broadcasting.

ON Tuesday last 1YA experimented successfully with a relay of part of a rehearsal from the rooms of the Auckland Choral Society. In the small crowded space of the rehearsal chamber it must have been difficult to place the microphone so as to get the best

picked up 4YA, Dunedin, and have since had the reception of a number of items confirmed. Besides Dunedin, I have logged 1YA, 2YA, 3YA, and 1ZB, and 1ZQ, Auckland. 2AQ, Taharape, 2FC, 2BL, 2GB, 2KY, and 2UE, Sydney, 3LO and 3AR, Melbourne, 4ZL, Brisbane, 5CL, Adelaide, and 7ZL, Hobart, not a bad little list for a one-valve. I would like to congratulate Wellington on the excellent orchestra which has just been added to the studio. I have listened to a number of items by the orchestra and especially enjoyed the two concluding numbers of Friday evening's programme, namely: "In a Bird Store" and "Independence March," and would like to hear them play "The Warblers Serenade" some evening; this number is something after the style of "In a Bird Store," and should be very much enjoyed by listeners.

Like a number of other people, I have read the numerous letters in the "Record" complaining about the programmes, and can only treat with contempt such fool suggestions as some of these people write. If they were to take the trouble to look up some of the programmes of a couple of years ago they would see the splendid progress which has been made in bringing the concerts up to their present point. In my opinion there is very little wanting with regard to artists and numbers and parts taken by them. When we think of the very small population of New Zealand compared with that of Australia we wonder where the excellent talent for our programmes comes from. In conclusion, I would like to say that I have listened to programmes from all the main Australian stations and have still to hear one better than our own.

Identity Wanted.

S. R. Ellis (Okato): As I was tuning-in KFON to-night I received a station on 235 metres, closing down at 6.15 p.m., as follows: "Now closing down. Good-bye everybody." I could not get the call sign—static burst in the phones at the time. Could any listener give me the call sign of this station? I think it must be Yankee. JOAK came through at 1.15 a.m. on loudspeaker strength on 353 metres on 5th, and KFON came through at good volume to-night.

Sacred Gramophone Music.

Stewart Warner (Wanganui): I notice in this week's "Radio Record" that 2YA is to be on the air from 3 p.m. till 4.30 p.m. on Sunday afternoon during the winter months. This, Sir, is a good move, for which the management will have the thanks of thousands of listeners-in. Might I be permitted to make a suggestion that the afternoon service be in keeping with the Lord's Day. I would suggest that sacred gramophone records be broadcast. There are many beautiful ones. It would give pleasure, I feel sure, Sir, to the majority of listeners-in. I trust to see the management give consideration to this. Surely no one will take exception to this, as on five days a week a very varied programme is given throughout the Dominion.

balance for voice and orchestra. It is understood that the "mike" was suspended above the singers, and for full choral effects this arrangement proved excellent, though it was not quite so satisfactory for solo work. The innovation, however, was much appreciated, and its repetition should further improve the attractiveness of the local programmes.

THERE is a thoroughly "live" programme committee co-operating with the officials at 1YA. This committee has settled down with enthusiasm to its work, and, mainly through the instrumentality of Dr. Kenneth Phillips, has brought forward some very useful suggestions that have been forwarded to the Broadcasting Company for consideration. Shortly there should be no lack of novelties from the Auckland station, this lack being the chief ground of complaint on the part of the very few disgruntled ones here.

THE radio play has been introduced to Auckland as a permanent portion of the weekly programme, and, if the comments one hears are taken as a criterion, it is going to be an outstanding attraction. "Bobbie," the first presentation, made a very general appeal, and listeners are awaiting keenly for "Bobbie's" weekly successor.

THE much-talked-of "electric set" (though what set isn't) is making its appearance locally, several types already being in use in the city. Users are quite enthusiastic over the novelty of simply plugging in to the wall-socket, and not having to worry with hydrometers and voltmeters, and they aver that the strength and quality of reception exceed their most sanguine anticipations.

NOTES FROM HAWKE'S BAY

SINCE the appearance of the last notes from these parts, reception conditions have greatly improved, and after the long spell of static which was recently experienced, the change once more eliminates that feeling of disgust when radio is mentioned.

Every one up this way is singing the praises of 2YA's studio orchestra, and from third on the list, the Wellington station goes up to the top for popularity. This is due solely to the orchestra, and through this the Broadcasting Company should not only satisfy listeners but should add to the army of licensees. 2YA's orchestra makes radio worth while. Their presentation of Chu Chin Chow selections on Saturday night was one of the finest broadcasts heard here.

2YA does not fade as regularly as of yore, but it is still less clear than either 1YA or 3YA.

The children's hours from all New Zealand stations are very popular up here with adults as well as the kiddies, and the writer has been asked if there is any possibility of the children's radio express trips being taken again this winter. With Uncle Jasper and "Spot" on board, the train journeys were very enjoyable. Perhaps the R.B.C. can answer the query.

The H.B. Radio Society is getting on slowly with its canvas for funds for the set for the Hastings Hospital, and over £50 is now in hand. It is hoped to bring the total to at least £200 before the end of this month.

A LISTENER in the Hastings district recently had an experience which might be beneficial for others to note. He was greatly interfered with by power-line leaks, and finally sent a lawyer's letter to the local body concerned threatening legal action as a test case, if something was not done to remedy the trouble. Four days after the local body received the letter, the interference which had been continuous for about seven weeks disappeared. That was three weeks ago, and it hasn't come back yet.

THE Napier Radio Society, which has been inactive for several months, promises to come alive again in the near future. There is talk of a fusion between the Napier and Hastings societies, with the idea of forming one big body. The idea is worth thinking about, as the two towns are so close together.

THE Australian stations have been coming in with great strength lately, and 2UE has been audible at good loudspeaker strength in the late evenings.

PLEASURE is expressed locally at the R.B.C.'s decision to give Sunday afternoon transmissions from 2YA. The Wellington station comes through here with good strength in the day time, but is not up to the expected mark in the dark.

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FEATURES CONTINUED

3YA NOTES (contd.)

With such a theme as the Empire, one can expect some rousing national airs. The vocal portion of the musical programme is in the hands of Madame Gower Burns Quartett who have prepared a programme very befitting to the occasion. Between the opening chorus, "When the Empire Calls," and the final "God Save the King," as sung by Madame Gower Burns, with chorus, there will be a two hours' stirring concert—songs such as "Who Were the Yeomen of England?", "Peaceful England," "The Deathless Army," "Homeland," "Sons of New Zealand," "There's a Land," "The Veteran's Song," "Coming Home," "The Red, White, and Blue," and "Land of Hope and Glory," stirring Scottish bagpipe music, Studio Trio, and flute selections, and elocutionary pieces by Miss Naare Hooper, L.T.C.L., these last-named including, "Empire Day," "The Passing of the Queen, January, 1901," and, in humorous vein, "The Empire Spirit" (according to Monty).

Miss Mildred Russell's Radiolian Quartett will score another radio success with "The Quaker Girl" on Friday evening. These light comedies are proving very acceptable to listeners, and "The Quaker Girl" will be no exception. Further treats are in store, the Radiolians having arranged for some special attractions. Almost without a break, the solos and choruses of "The Quaker Girl" will continue until nine o'clock; afterwards humorous elocutionary items and dance music will be introduced by Mr. Sidney Comfort and Mr. Les. Marston respectively. Dance music will continue till eleven o'clock.

Saturday will see the opening of the Christchurch Diamond Jubilee celebrations, and 3YA will do full justice to the attractions.

4YA NOTES

A very bright vocal programme will support the items by the St. Kilda Band on Tuesday evening. Band nights at 4YA are always enjoyable, and next Tuesday's will be no exception. Miss Dorothy Skinner (contralto), Miss Anita Winkler (elocutionist), Mr. F. C. Cooper (bass), Mr. L. M. Cachemille (baritone), and Mr. Lester Moller (elocutionist) will supply items. A humorous address will be given by Pastor More.

A talk on some popular tourist resorts will be given by Mr. R. W. Marshall at 4YA on Tuesday evening.

A first-class popular concert has been arranged for Thursday evening, when a new banjo trio will be introduced to 4YA listeners. Hawaiian music will be played.

Miss Betty Roberts (light mezzo soprano) has three songs of the popular type for Thursday evening, so also has Miss Dorothy West (light soprano), one of the latter's being "Mary," from "Our Miss Gibbs." Two humorous recitations will be given by Miss Hilda Scurr. Baritone solos of the light type will be sung by Mr. J. B. McConnell and Mr. R. Wilson Brown, while Mr. Carl Moller will give two humorous elocutionary selections.

A review of the latest books will be given on Friday evening by Mr. H. Greenwood, librarian at Dunedin Athenaeum.

An hour's excellent studio concert will precede the relay of dance music on Friday. Contributing to this concert will be Miss Sheila Neilson (elocutionist), Miss Mollie Vickers (mezzo-soprano), Miss Florence Sumner (soprano), Miss Marjorie McDowell (piano), Mr. L. E. Dalley (tenor), and Mr. J. B. Macpherson (bass).

"Witches" will form the subject for a talk by Mr. Lloyd Ross, M.A., on Saturday evening, under the auspices of the W.E.A.

The 4YA Harmonists will be heard again on Saturday evening, when an excellent programme will be broadcast. Miss Roma Buss will sing "Hills of Donegal" and "Dreaming of Home," and "Song of the Palanquin Bearers." Mr. P. M. Tnohy and Mr. A. R. Mitchell have also chosen popular items, and the items by Miss Mollie Andrews will be "A Heart that's Free," Cornet solos by Mr. George Christie, violin solos by Mr. A. R. Watson, and flute solos by Mr. J. W. Stewart, with orchestral items relayed from the Empire Theatre will complete the programme.

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HUMOURS OF RADIO

INCIDENTS FROM 3YA

CURIOUS little incidents which happen in the broadcasting world are always being reported. The latest come from 3YA.

An artist relates how a sister, whom he has not seen for many years, in fact, since he left Wales seven years ago, went into a friend's house, in Central Otago, just at the moment when her brother was singing at 3YA. Momentarily forgetting herself, she excitedly rushed to the loudspeaker and exclaimed with typical Welsh fervour: "Hullo, Tom."

A SIMILAR incident occurred in connection with Mr. Wilfrid Peers, honorary secretary of the Christchurch Philatelic Society, who would seem to have a penchant for talking "stamps." Concerning his latest lecture at 3YA it is related that a neighbour of his who had gone to see a client some 50 miles out of town, evidently arrived there just as the lecture was in progress, for he caused great amusement by saying as he went in: "Gracious! Have you got Peers staying out here with you?"

The incident naturally amused Mr. Peers when he heard of it.

MR. PEERS also relates other incidents which followed the broadcast of a series of eight lectures from 3YA by four members of the committee of the Christchurch Philatelic Society. At the conclusion of the first talk the speaker mentioned that the society would be glad if anyone interested would apply to the secretary for further details. Within a few days a gentleman called, and the inquiry was, "I have a strip of three stamps that were posted from South Australia about sixty years ago from my aunt. We have always kept them as a memento of the old lady, but after hearing your talk on 'Stamps Worth Fortunes,' we think they may have some other value." These three stamps proved to be valued at £13 10s.

ANOTHER inquiry came by post from many miles away, and was to the following effect: "About twenty years ago I bought the enclosed very valuable stamps for 1s. Please tell me how much I can sell them for now." The stamps in question were what is classed as "Packet Rubbish" of the cheapest kind, and can be bought anywhere at a few pence.

The next item was on the same lines, and served to show the interest which was aroused in old stamps, valuable and otherwise. A couple of electricians had been working in an old house, and had come across a few old letters. These envelopes were carried round till the man went to the next job, and were then given to a boy in that house who was interested, and was delighted to secure useful treasures.

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Listener's Select Items

Listeners are invited to use the coupons below and mould programmes in accordance with their own tastes. Mail coupons to "Radio Record," P.O. Box 1032, Wellington.

Request Item Coupon

For Evening of
(Fill in day and Date.)
Address: 2YA/o, Radio Record, P.O. Box 1032, Wellington.

I would like to hear
played by 2YA's Orchestra.

Signed

NOTE:—Request coupons should reach us three clear days before date of request, to give time, if necessary, for provision of music in orchestral score. Only items which are prepared for orchestral work should be nominated. Selection is made in accordance with majority wishes, but careful record will be kept of all nominations, and the effort made to comply sooner or later in the compilation of programmes.

"Repeat" Coupon

Address: 2YA/o, Radio Record, P.O. Box 1032, Wellington.

I desire to nominate the following items for "repeats" next week:—

Monday (Classic)
Tuesday (Operatic)
Friday (Popular)
Saturday (Vaudeville)

Signed

Votes may be recorded for one or for all of the nights mentioned. This selection is made at mid-day for the evening affected. Voting papers receivable till noon. Distant listeners may send forward their Monday's and Tuesday's votes if desired, in order to be in time, and follow later with Friday's and Saturday's wishes. The coupon is inserted for convenience, and may be supplemented in writing.

Children's Sessions for Next Week

AT 1YA.

TUESDAY, MAY 22.—Uncle George has some specially good stories for the Radio Family to-night. Also letters and birthday greetings, assisting with music and recitations.

WEDNESDAY.—Here's Uncle Tom. He's sure to have something bright and cheery to say. Also some songs to sing that we all know.

THURSDAY.—To-night we have Peter Pan with us, with stories and birthday greetings. Also Uncle Vernon, who tells splendid tales and sings little ditties.

FRIDAY.—Cinderella will talk to you because Nod is away. And the clever little pupils of Miss Dorothy Griffiths will amuse you with recitations and sketches.

SATURDAY.—Here are some more clever little nieces and nephews singing and reciting, with Cinderella in charge. Letters and birthday greetings.

SUNDAY.—Children's Song Service, with Big Brother George in charge and cousins from St. David's Sunday School assisting.

AT 2YA.

MONDAY, MAY 1.—"Good-night, children." Yes, but not until 7 o'clock. Uncle Jeff and Auntie Gwen have 60 minutes to spend with you, and each minute is a little imp of joy, bubbling with laughter. Edna Purdie's pupils will help the minutes to fly.

TUESDAY.—Now, Big Brother Jack, we are all waiting for your jolly laugh. Oh, he has secrets hid-

den in his very pockets, surprise packets to scatter through, the ether. Madame Mueller's pupils will sing fairy songs.

THURSDAY.—Empire Day, boys and girls. Fly the flag of freedom. 'Tis most fitting that our children's hour should be a union of Girl Guides and Boy Scouts, the moving forces of the growing element of our Empire.

FRIDAY.—Where go the boats? Where goes Uncle Ernest on his travel to -night? Oh, boys and girls, he will take you to some far distant land. Be ready sharp at 6 p.m.

SATURDAY.—Auntie Dot and Uncle Toby are going to the moon—oh, no—not for the much-fabled bag of gold. The Cheerio Girls will sing to the moon children. Watch for the shower of falling stars as the aeroplane ascends. No more secrets now. "Wait and hope."

AT 3YA.

MONDAY, MAY 21.—"Hullo, Hullo," says Uncle Jack to-night. Fresh stories about Robin Hood, and songs and fairy tales for the tiny tots.

WEDNESDAY.—Uncle Peter and Mother Hubbard still away, but "Scatterjoy" and Aunt Pat will keep you merry, and our little Welsh singers helping with songs and choruses.

THURSDAY.—This is Empire Day, and Chuckle will tell you the story of our flag. Songs and recitations by our real English, Scotch and Irish cousins, and New Zealand and Australian

cousins, too. So listen-in to-night, little folk.

FRIDAY.—Big Brother back again for good. Hurrah! So be ready with a good listening welcome for him. Standard 6 girls from West Christchurch School will give some more of their fine music, also.

SATURDAY.—Uncle Sam and Aunt May and the Cheerio Boys from the Y.M.C.A. will keep this bedtime hour rippling with fun and laughter.

SUNDAY.—Children's Song Service for everyone. Uncle Sam in charge, and the scholars from St. Paul's Sunday School will sing hymns for you all.

AT 4YA.

TUESDAY, MAY 22.—A group of little fellows like the Cubs of the Boy Scouts entertain the family to-night. Listen to their songs, choruses and recitations, just as they would give them round the camp fire. They will be well worth hearing, and, Big Brother Bill will be there with a travel talk. The Radio Postie will go his rounds as usual for the birthdays.

FRIDAY.—The girls have a turn at entertaining the Radio Family to-night. The No. 1 Company of the Anderson's Bay Girl Guides will be on the air with songs, and choruses. This is Aunt Shiela's night for story-telling. Aunt Shiela and Big Brother Bill will take turns in sending the Radio Postie to the birthday houses. Listen for his whistle.

ANNOUNCING AT 2YA

AN APPRECIATED INNOVATION.

A new system of announcing was recently introduced at 2YA, and seems to be meeting with general approval. The change is made for the purpose of shortening the announcements and reducing the time between the items. Certainly it is an innovation which adds interest to the programme being broadcast. The fact that the name of the performer is not announced in no way affects the listener's enjoyment, for the name can easily be ascertained by referring to the daily paper or to the "Radio Record," where full programmes are published.

A RADIO receiver which is tuned automatically by switches or buttons, has been designed by H. V. Marvin, wealthy inventor of Rye, N.Y., and early associate of Thomas A. Edison.

UNCLE SANDY OF 2YA

As Uncle Sandy (Mr. Byron Brown) is leaving for a trip to the Old Country, he will appear at 2YA to carry out his avuncular duties for the last time on Thursday. He will be greatly missed at 2YA, and in radio generally. His departure will cause much regret among thousands of young listeners, with whom "Uncle Sandy the Rhymer"



has been a great favourite on the air. In "big" radio, Mr. Byron Brown will be best remembered by his Shakespearean evening recently given by 2YA. Well known as a great authority on the works of Shakespeare, he was responsible for producing the fine entertainment at 2YA. As an elocutionist, Mr. Byron Brown is in the first flight.

The departure of Uncle Jasper (Mr. Clive Drummond) and Uncle Sandy (Mr. Byron Brown) has meant the appointment of two successors. These will be Mr. J. Crewes, of the "Evening Post," who will become "Big Brother Jack," and Mr. O. G. Greenberg, general secretary of the Y.M.C.A.

MODERN WIRELESS

In "Modern Wireless," a work in three volumes, which is advertised elsewhere in this issue, the gamut of wireless is fully and simply explained. Encourage your children to study the principles and the practical workings of wireless at that age when the hunger for knowledge is keen and almost insatiable. This work has been compiled by a writer who has the gift of making this difficult scientific information easy and clear to the youthful reader, as well as fascinating to those older inquirers who have long ago lost the habit of concentrated study. Mr. Beare's "Modern Wireless" should be in every home in the kingdom. Great discoveries yet remain to be made. Why should not your boy or girl prove the Marconi of the future, who will carry on the torch of scientific knowledge one appreciable step further? Why should not they—or you yourself—discover the mysterious reason for those "blind spots" where wireless will not reach to-day? Or, "taking the present practical limit of range as 6000 miles," why should not you (or yours) indicate the further development of wireless which shall lengthen that radius? Details of the work are available from James Johnston, Ltd., Dunedin.

NOTES

The reception accorded the Melody Four at Sunday night's concert of the Port Nicholson Band was outstanding, and may be taken as an indication of the benefit conferred upon combinations of this nature by steady broadcast before the microphone. This quartet has been singing from 2YA for some time, and has attained a standard of excellence that is particularly good. The recognition of this by the audience on Sunday night was gratifying.

Miss Amy Eaton, of Wanganui, who made a definite hit on her appearance at 2YA, has been engaged to sing at the Tramways Band Concert in Wellington next Sunday evening.

The studio concert at 3YA on Saturday evening will be notable for the appearance of Mr. Cyril Avondale, an entertainer with an English reputation. Mr. Avondale has performed before the microphone of the British Broadcasting Corporation, and before many a distinguished gathering in London and provincial concert halls. This will be his second appearance at 3YA (his previous engagement being at short notice and too late for publication in the "Radio Record"). His items on that occasion were: "A Fishy Fishy Story," "The Blackest Man I Know," and "The Parson of Puddle."

Our Mail Bag

(Continued.)

Christchurch View.

J. R. Black (New Brighton).—I take this opportunity of saying a few words about the Broadcasting Company programmes, seeing that there has been some comment in the papers in Christchurch. The programmes that have been put over the air by all four stations in New Zealand are of a very high standard, and I don't know what people are complaining about. I have had my valve set about eight months, and I am highly pleased at what the stations have put over the air. If the people who are complaining about the programmes were to stop growling through the papers and assist the Broadcasting Company, it would give the company more heart. The new orchestra at 2YA is equal to any I have heard in my travels. There is no mistake, everybody ought to be pleased that 2YA is on the air on Sunday afternoon, and also that 3YA has engaged the Woolston Band. In reference to 3ZC Christchurch being cut out on Tuesday (May 1) night by 3YA, the criticism levelled against 3YA is very unfair, as 3YA was doing something out of the way for listeners-in by rebroadcasting 2YA's new orchestra. My opinion is that 3YA was quite justified, as it is very seldom crystal set owners get a treat from 2YA, and, furthermore, 3ZC Christchurch is not there for the benefit of listeners-in, but to advertise their own records in order to get business. If they were there for the benefit of listeners-in, they would put on local talent instead of records. The Broadcasting Company has my support to the last, as there is no mistake they are doing their best for listeners on the whole.

Mr. Ellis's Bit of Fun.

L. Workman, Adelphi Hotel, Kaitiaki: In the "Record" for this week your correspondent S. R. Ellis offers a little bit of fun in asking who is the champion five-valve listener. Well, I don't suppose I am it, but I can see him off with my little list. If somebody else likes it, good on him. In New Zealand I've caught 1YA, 12B, 12Q, 2ZF, 2YA, 3YA, 3ZC, 4YA, 4ZB, 4ZL, Total, 10. In Aussie: 2FC, 2BL, 2GB, 2UV, 2KY, 2BE, 2UE, 3AR, 3LO, 3DB, 3UZ, 4QG, 5OL, 5KA, 7ZL, Total, 15. In U.S.A.: KFON, KGO, KFI, KPO, KNRV, KNRC, KTFSD, KOA, KNX, WGY, WLW, WBBM, KDKA, KFVD, WOWO, 9XF, KSL—17. While steamer C. A. Larsen—1. Grand total, 43. If Mr. Ellis will allow a shortwave adapter, I can add 22 more stations to the list, making the total 65. I'll now watch the "Record" to see my list go by the board to the fellow who has ninety or more stations on a loop aerial and no ground. My set is a neodyne 5-valve, over two years old. In closing I may say that the 2YA orchestra is the last thing necessary to make the R.B.C. service perfect; the programmes are getting better and better. Wishing the Broadcasting Co. every success.

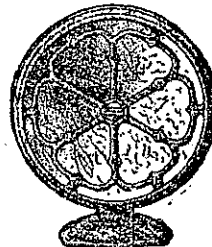
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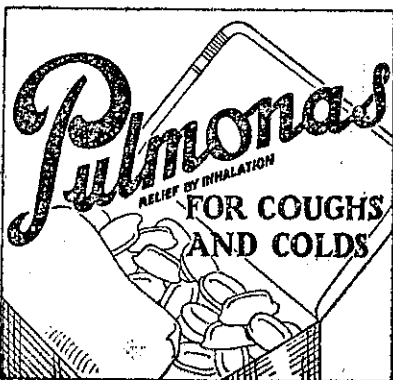
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Wellington Amateur Radio Society

Appreciative Comments at Annual Meeting

THE annual meeting of the Amateur Radio Society was held in the Conference Hall, Dominion Farmers' Institute, on the evening of Monday, May 7, there being present 60 people, including a sprinkling of ladies. Mr. Ivan M. Levy, vice-president, took the chair, in the absence of Mr. Owen, president, now on tour.

In his opening address Mr. Levy paid a tribute to the enthusiasm of Mr. Owen in working for the cause of radio. The society had benefited very considerably by his activities. He had been given a complimentary farewell by the executive and friends, and carried with him the best wishes of the society. During the year a large number of meetings had been held, and a campaign embarked upon to increase membership. This had been successful in raising their total from approximately 100 to over 300. He thought, however, that an even larger membership should be enjoyed by the society, and the work of agitating for better broadcasts, which had in the past fallen upon a few, should be more generally supported by listeners. Mr. Levy briefly referred to the early history of broadcasting, and the aims of the society to benefit listeners by arranging for lectures by experts. These were calculated to reduce the amount of interference due to howling valves, by informing the listeners of the correct manipulation of their sets. The society was also desirous of inducing the Government to employ experts with the necessary equipment for the location of power-line leakages in the Wellington area. This work was keenly undertaken by power companies abroad, as they recognised that such leakages were annoying, not only to listeners, but also indicated a source of inefficiency in their own service. Possibly as the Government's revenue from broadcasting expanded this service might be undertaken. The society had advocated the appointment of a technical expert from abroad by the company, but the company held that their staff was competent and that it was desirous of pleasing listeners by giving adequate service.

Efforts had also been made by the society to continue broadcasting on Sunday evening till 10 o'clock, and he sincerely hoped the efforts would be successful. It was pleasing to note that Sunday afternoon transmission had now been agreed to by the company, and for this they must express their gratitude. The society had also advocated the provision of dinner music, and this was coming in the near future. It was recognised that the company had been very much restricted in its operations by the amount of money available. Listeners must remember that New Zealand had to maintain four stations of about 40,000 listeners, whereas Melbourne had 140,000 listeners on which to maintain only two stations. Melbourne stations, therefore, had a very handsome revenue compared to the New Zealand stations.

The society had also expressed a desire for the cessation of the silent

night at 2YA, but it was represented, on behalf of the company, that this would mean a duplication of staff, and involve expense which the company could not at the present time face. In the circumstances he thought this claim might well be waived.

The Annual Report.

The financial report of the year was read by the secretary, Mr. R. Leslie Jones, and adopted on the motion of Mr. Sellens, seconded by Mr. Salek.

The secretary also presented the annual report, which stated that the membership now consisted of 310 members. Traversing the year's operations, Mr. Jones said he desired to acknowledge courtesies received from Mr. A. R. Harris, Mr. Davies, director 2YA, Mr. Ball, and Mr. Bingham. A number of conferences had been held with Mr. Goodfellow, Mr. Harris and Mr. Bingham. In his opinion, the company was definitely out to do its very best for listeners, and now that the stations were equipped and the staff fully engaged, he understood Mr. Harris intended concentrating more on the programme side. On a recent tour he found that Wanganui received 2YA perfectly, and had no complaint, but that in New Plymouth reception was not satisfactory, and he had undertaken to give support to the desire of New Plymouth for an experimental broadcast by 2YA on the wavelength of 1XA. He had been informed of an American station which had suffered from distortion and had tried crystal control, and thereby eliminated distortion and fading. It was possible that something of the same sort, if tried by 2YA, might eliminate further complaints. It was satisfactory that they now had a good orchestra, and also that talks were barred after 8 p.m., except for very important subjects. In regard to an expert, the company now had a very authoritative technical expert in America, who kept it informed of all modern developments. He had encountered a widespread desire for relays from Wellington picture theatres, and negotiations were in train and he hoped success would be achieved. The howling valve nuisance was being tackled by a series of talks to be given over the air by Mr. Billing. He regretted that he could not carry on any longer as secretary, but he wished to acknowledge the courtesy extended to him by the Press. The "Radio Record" had also been most helpful, and was desirous of doing everything possible to help listeners.

On the motion of Mr. MacQuarrie, seconded by Dr. Robertson, the report was adopted.

Office-Bearers Elected.

The following officers were elected:—President, Mr. Byron Brown; vice-presidents (active), Messrs. W. J. Roche, Ivan M. Levy, R. Leslie Jones, and D. Robertson; (honorary), Sir Joseph Ward, Sir John Luke, the Right Hon. J. G. Coates, Hon. R. A. Wright, Mr. G. A. Troup, Rev. Ernest Weeks, Dr. Anson and Dr. H. E. Gibb, Messrs. Kirkecaldie, F. Wood, T.

Forsyth, M.P., D. A. Aitken, S. G. Nathan, H. McInnes, C. G. Turner, E. W. Ackland, and Captain Foster; committee, Messrs. G. W. Morgan, W. D. Dobson, L. Salek, W. P. Billing, W. A. Glover, and W. Taylor; hon. treasurer, Mr. W. J. Roche; hon. secretary, Mr. Phil. Billing ("acting" provisionally), Mr. Levy to officiate in the interval.

An honorarium of 10 guineas was voted to the retiring secretary.

In acknowledging his election as president, Mr. Byron Brown said that he appreciated the honour accorded him, and hoped to be of some service to broadcasting and listeners in return for their confidence reposed in him. He had had some part in radio as "Uncle Sandy," but he was resigning from that position because it tied him too much. He accepted the position of president with pleasure. He had heard it said that the Broadcasting Company and the listeners were enemies. He could not agree with that at all, and could only accept the position in the hope of working on a friendly basis with the Broadcasting Company. The interests of all were mutual.

Orchestra Appreciated.

Mr. Salek moved a hearty vote of thanks be accorded the Broadcasting Company for the very fine orchestra now established at 2YA. This was unrivalled in New Zealand, and they as listeners were particularly pleased with it, and thankful to the directors for the innovation. He wished to say that he wanted to work in with the Broadcasting Company. In his opinion the company was very decent to them. He had always been accorded every courtesy at the station. Listeners had to remember that New Zealand was not Australia, and that our population was small, and having regard to that, there was not very much to complain about. A few items might not appeal to some, but other people liked them. When it was remembered that a great number of individual artists appeared each week, the performance was very good.

Mr. Byron Brown seconded the motion, which was carried unanimously.

Howling Valve Nuisance.

Mr. Preston Billing gave an interesting talk on the question of the howling valve nuisance. This radiation was caused, he said, mainly from sets which were imperfectly constructed, and also from those of an illegal nature. If listeners took pains to understand their sets and circuits, this trouble would cease. In his area, Brooklyn, there was practically no trouble, because the owners of high-class sets in that area were mostly experienced and taught incoming listeners how to handle their sets properly. As showing the area that could be affected by howling valves, he mentioned that a test showed that a valve howling in Brooklyn. It was not so much the power radiated by an individual receiver that caused the trouble, as the ing in Seaton could affect reception way it was pulled in by an adjoining receiver of a powerful type. It made

very little difference if radiation was taking place by a one-valve or a six- or seven-valve set. One thing to be remembered was that many imported journals which circulated in New Zealand contained circuits which were illegal in this country, and should not be used by listeners. One of the most popular sets for constructors was known as the Browning-Drake circuit. This was a very powerful set, but it had a high transfer of energy, and if built by an amateur, and not perfectly neutralised, could cause more annoyance than anything he knew of. People building this type of set should neutralise them so that there would be no kick whatever in the dials. They should not hear the carrier wave of a station, but if they did the set was oscillating. Yet it was possible for a set to oscillate and cause trouble without anything being heard at all. The remedy was to adjust the neutralising condenser, and reduce the pressure and not use too much voltage on the radio frequency valve. The old Armstrong three-coil circuit had been very popular in the early days, but it was a set which frequently caused trouble, and the people still using this machine were doing an injustice to their fellow-listeners-in. A popular twin type was another one which was one of the worst offenders. It had a couple of small coils which could be closed in and make the set whistle. A set that was radiating was distorting, and listeners themselves were not getting the best out of their sets. In such cases it was not the company which should be blamed, but the listeners' own sets. The men with one, two, and three-valve sets should realise that Australia was too far for them to get, and it would be far better for them not to try. Their attempt was similar to that of a small motor-car trying to climb a hill on top gear, though in the process it strained itself and frequently blocked the road and caused trouble to others. The modern neutrodyne, when correctly neutralised, did not oscillate. A good way to tell whether a set was radiating was to touch the end of the aerial, particularly with a wet finger. If it was oscillating a distinct pop would be heard. He recommended listeners not to use too much B voltage on their valves. With the 201 A type valves they should not use more than 67 B voltage; with the 199 type they should not go beyond 45 volts, and from 22 to 45 volts for almost any type of detector valve in use to-day.

A hearty vote of thanks was accorded Mr. Billing for his address.

Various Proposals.

A desire to have 2YA broadcast relays of boxing contests was mentioned by Mr. W. Pechy, but Mr. Ball mentioned that this had already been provided for, and accordingly, on the motion of Mr. Pechy, seconded by Mr. Byron Brown, a vote of thanks was accorded the company for its action.

Mr. Jones asked that the Broadcasting Company consider the possibility of transmitting on Sunday till 10 p.m. It was the most important night in the home, and to close down at 9.35 was too early. A resolution to this effect,

moved by Mr. Jones and seconded by Mr. Dobson, was carried.

Points mentioned by other listeners embodied a desire to hear St. Peter's on the air; that a number of songs should not follow one another on the programme; and that more piano items should be heard; further, that the broadcast of the Wellington Town Hall organ should be arranged. On this point Mr. Byron Brown mentioned that some of the most enjoyable items that came from Sydney were organ recitals; and Mr. Salek suggested that if the city organist would not permit broadcasting without payment, could not someone else be found to play the citizens' own organ?

The suggestion was also made that race results should be read over twice, and that the third horse also should be given.

Company's Point of View.

Mr. J. Ball, in speaking at a comparatively late hour, acknowledged with appreciation the remarks made concerning the service being given by the Broadcasting Company. It was particularly pleasant to note the appreciative tone of the meeting and the spirit of co-operation. This was the note that would make radio what they all wanted it to be, and what the company was determined it should be. There were such things as limitations, as had been noted by the meeting itself during the evening in connection with their own finances. (Laughter.) The company was doing the best it could with the money at command, and was in the position of having to give the best possible service in order to satisfy listeners and maintain business. The Public Relations Committee scheme was working and, as Mr. Jones had pointed out, was working very well. They now had a Church Committee, a Musical Committee, and a Children's Committee, each of these covering representatives closely interested in the success of the particular branch. These committees were in a position to speak authoritatively for listeners on their several subjects, and the programmes ultimately evolved would be programmes bearing the hallmark of the committee qualified by knowledge to speak effectively.

After dealing with several requests advanced at the meeting, Mr. Ball mentioned that it was the practice to give race results twice when time permitted, but they had to bear in mind that every word added to the news session pushed out something else, and that farmers required market reports and a general resume of news, as well as racing results. Repetition of race results was eliminated only when they had a particularly full budget of news. There was a reason at the back of everything. Suggestions made regarding musical items, etc., would be passed on to the station director for consideration by the Musical Committee. The same applied to the suggestion regarding St. Peter's. This would be considered by the Church Committee.

Published Next Week

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