

PUBLISHED WEEKLY

# THE RADIO RECORD

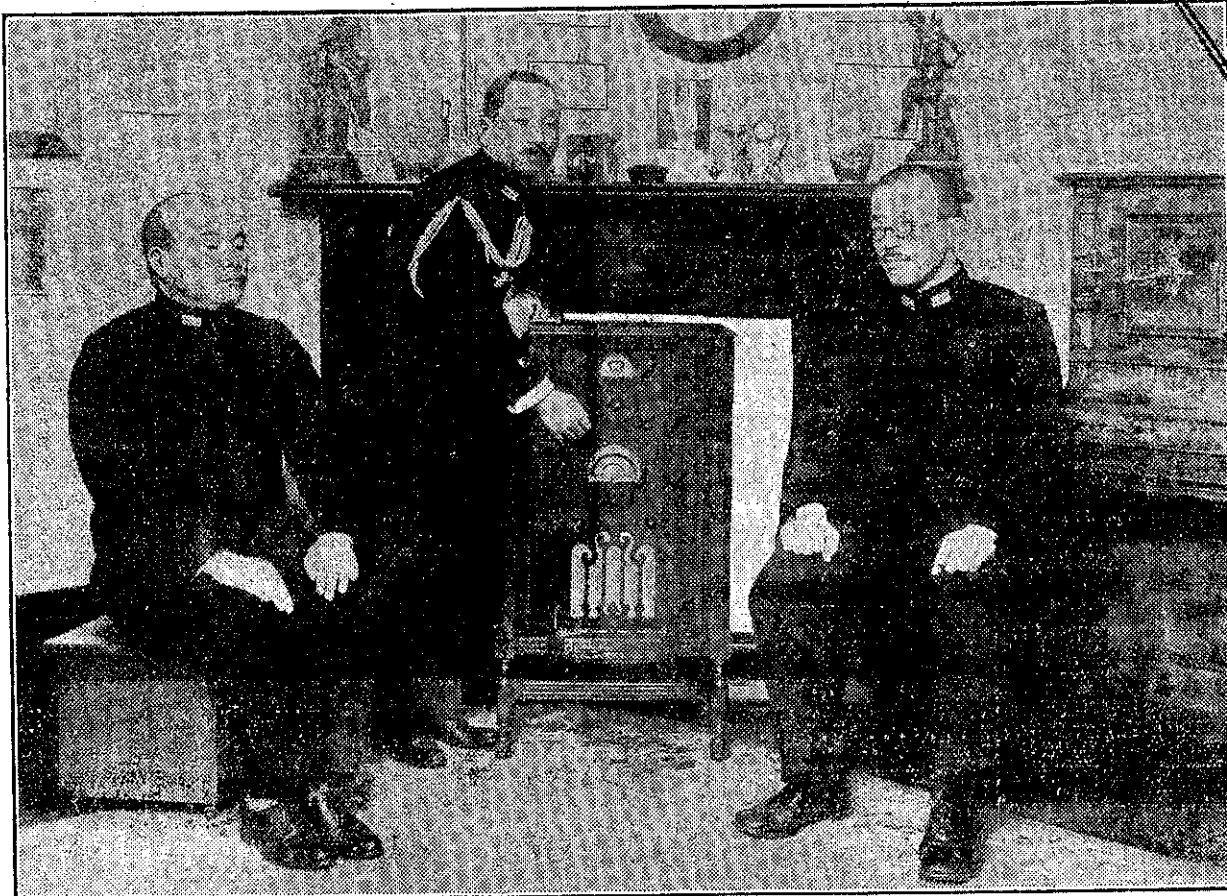


Vol. V., No. 48.

WELLINGTON, FRIDAY, JUNE 10, 1932.

Price 3d.

## In Touch With Home



GENERAL ASSEMBLY  
LIBRARY.

An interesting event took place in Wellington recently when officers of the visiting Japanese training squadron, Staff Commander Miwa, Commander Hiraoka and Engineer Lt. Commander Kobayashi were entertained to a Japanese radio evening. The above photograph shows Staff Commander Miwa tuning the Stewart-Warner Radio to his favourite Japanese station. This pleasant evening was made possible by the Radio Division of Messrs. Hope Gibbons, Ltd., the N.Z. Distributors for Stewart-Warner Radio.

# CROSLLEY

**Pentode Output . . . Variable Mu  
Full-Size Dynamic Speaker . . .  
SUPERHETERODYNE**

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**T**HIS receiver is an entirely new development of the Radio Art. It is a new Midget Model, mounted in a handsome all wood walnut and walnut veneer cabinet, two-tone and high lighted, of the highest quality of construction.

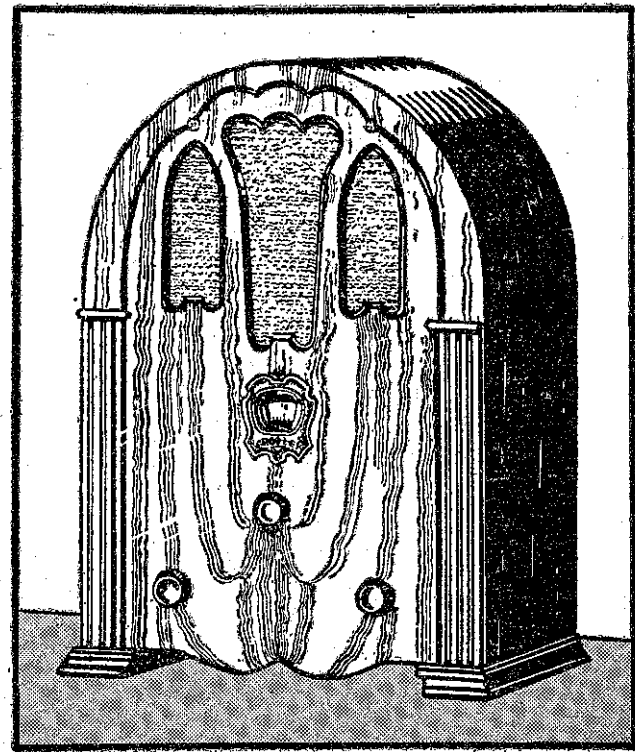
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Many other features usually found only in sets at much higher prices are included.

An illuminated dial, actuated by a vernier drive makes reading the dial easy. The volume control, of the dual action type, and extremely smooth in operation, is combined with the switch. Resistance coupled audio is a feature and also electrolytic condensers. An excellent tone control circuit gives a rich bass and a brilliant treble. Exceptional sensitivity and selectivity cause all who see and hear the Crosley Bijou to marvel at it.

This set has dynamic speaker giving excellent reproduction.

Dimensions of the Bijou are 17½ in. high, 13 in. wide, and 8 5 16 in. deep.

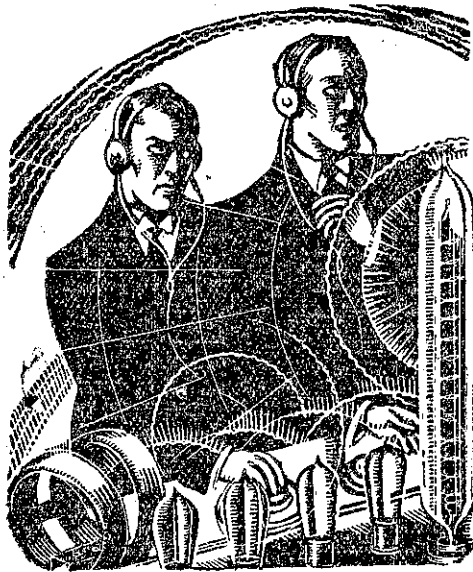


**The Crosley 5-Valve Bijou Superheterodyne  
including famous National Union Valves**

**N.Z. Representative      £24 complete      Send for Free Catalogue**  
**MILES NELSON, Brunswick Buildings, Queen Street, AUCKLAND**

# —This thing called—

# SCIENCE



A critical examination of  
the applications of Science  
in Modern Civilisation

by

Dr. C. Coleridge Farr  
[F.R.S.]

**M**ODERN civilisation is the outcome of modern science. These things hardly need pointing out to be very obvious. Where would the modern picnic be with-

out the thermos flask? "Oh," you might say, "what about the billy? We could boil the billy instead."

Could you boil the billy without the match to light the fire? Would you like to go back to the flint and steel—and that is not so very many years out of date—but it is science that has put it out of date. Where would farmers be without the motor-car? Some of you might think you could get on all right with the old horse and cart. Perhaps it might be done, but it wouldn't be comfortable without the springs, and if it was possible to get on without springs, I don't see quite how you would manage without the wheels for, after all, the wheel is a most revolutionary invention of science, though it is a very old one.

Science comes into all our modern life except, perhaps, one thing—the making of politicians, for some of them seem to be the antithesis of science. The sciences are one thing, or perhaps I should say they are many things—many departments of specialised knowledge. Science, on the other hand, may perhaps be thought of as the principle underlying these branches of knowledge, the application of which to them have led to such wonderful progress, and it is rather this method which I had in my mind in an indistinct sort of fashion when I chose the title upon which to speak.

**I**N this sense of the word science, it is applicable to all branches of life—to anything, that is to say, which can therefore and thereby be improved. In this respect it can even be applied to politicians, for obviously they can be improved.

It is also unfortunately applicable to the means of destruction, for they, too, as means of destruction can be improved.

Science and the scientific method are merely the application of the brains which Nature has endowed every one of us to the every-day things of life. There are very few processes, however seemingly perfect they may be, which cannot in some way or other be made more perfect. I mean, of course, a process invented by man for, while we can control and in that way perhaps get better results out of the process of Nature, those processes and methods are the ways of God, and while they can be controlled in their

basic sense they cannot be altered.

The seed growing in the soil by growing conforms to a law of Nature, but the vigour with which it grows in under man's control, in as much as he can by the use of fertilisers or of weed-killers either assist or retard its growth, and he can do this either more or less efficiently. There is no absolutely perfect fertiliser just as we all know there is no absolutely perfect weed-killer, though perhaps if we went only by the labels on the tins such a conclusion would not at first be apparent.

**E**VERY process can be improved, every breed of cattle can be improved, every machine can be made to do its work more efficiently and therefore at less cost, and it is by science and by the application of scientific methods that these improvements are brought about.

It must not be thought that science is only applicable to the sciences. The sciences are where the methods find their fullest application, but the methods of science are applicable in all departments of life.

They are not the exclusive property and stock-in-trade of dry-as-dust uninteresting Johnnies like myself—they are and should be the general methods of the community.

And what are these methods of science? They are simply those of commonsense, aided by the tools of various sorts which commonsense has provided. These tools are of various sorts in each department of progress, and moreover none of the tools themselves are perfect.

Some of them may be mentioned. To the physicist—of course, I put him in the place of dignity, either first or last—there are various tools. X-ray plant, liquid air, optical apparatus, and a whole assortment of things, but there is not one of them that we know all about. To the chemist there are various reagents, and some things like spectrometers, which the physicists have taught him the use of. To the bookkeeper there are typewriters, calculating machines, card catalogues, various forms of letter and circular multipliers. To the farmer there are his ploughs and his traction engines, and his fertilisers. Does every farmer know all that can be known about them? And to the executioner there is the hangman's rope and the electric chair, and I am sure the executioner himself and every one of us, too, will admit we don't know all about them.

Thus in every walk of life, in every calling, and in every trade there are things worth studying, and finding out and improving, and it is by scientific methods that these improvements are made. The scientific method is one of experiment and trial, and the discarding after a thorough testing of processes which (*Continued overleaf*)

## The Author

Dr. C. Coleridge Farr is one of the best known scientists in New Zealand. He has had a distinguished career, and now has the rarely bestowed honour of being a fellow of the Royal Society. Dr. Farr, who is a professor of physics at Canterbury College, has made a speciality of electrical work, and has to his credit several publications on this and kindred subjects. He it was who was responsible for the establishment of the New Zealand Government's magnetic observatory at Christchurch, and for the magnetic survey of the country upon which he was engaged between the years of 1898 and 1904.

He is a Doctor of Science and a Fellow of the N.Z. Institute.

**This Thing Called Science**

(Continued from page 1.)

do not turn out to be improvements. It is indeed the method of Nature herself, for she, too, tries experiments, and discards those which do not turn out to be useful improvements. Many instances of this kind are known.

For instance, Nature at one time was trying to make a being to stand erect, and so to support the body she put struts between the ribs, but afterward found these were unnecessary, and they were discarded, or rather shall we say they discarded themselves.

Nature's method of elimination is by the survival of the fittest. She tries many new dodges of producing the results, but only those which are in some way better than others survive, and so, too, does man, or rather he should. Take any process or piece of machinery you please and think about it.

Take a bicycle for instance. The first thing they had had two almost equal-sized light carriage wheels. This, though it worked, was awkward and heavy, and wire spokes were substituted for wooden ones, then to lighten it still more and to make it easier to drive one wheel was made big and the other small. This had disadvantages, as one found out when one had a spill, and so the front wheel was reduced in size, but still it was thought that the rider must drive the front wheel, and so the front wheel forks were prolonged to carry the driving gear, which still geared on to the hub of the front wheel. After some years of this some one tried driving the back wheel, and after a few trials got on quite well with it, and so what we know now so well gradually developed.

Any other process or machine will show the same thing. Thought added to the conviction that in some way or other the thing was capable of improvement, experimenting with new ideas, and discarding dodges which however ingenious were found not to be satisfactory, these are what is implied by science and the scientific method, and they are applicable not only in what we narrowly know perhaps as "the sciences," but in every other department of human progress.

The word science comes from a Latin word meaning to know, and in order to actually know we must try experiments, test other ways of doing things, seize upon any improvement we may come upon, and discard the failures, though they may be more numerous than the successes. In order to improve her stock, Nature is wonderfully lavish in the distribution of seed, but unless it be owing to the intervention of man, only those survive which find themselves more suitable to the surroundings than their fellows.

I am a little afraid that recent humanitarian ideas—good in most respects though they certainly are—are leading to the survival (which would not matter) of the unfit, but also to the propagation and continuance of their unfitness (which does matter). The world has progressed from its initial darkness owing to what we might perhaps consider when it is applied to humanity to be a somewhat ruthless law. But it is a law all the same, and it is one, the operation of which can be seen in the development and improvement of our machinery, our processes, our institutions, and our farm stock.

**Music Lovers' Competitions****More than 6,000 Entries**

ENTRIES in the Music Lovers' Competitions closed on the 31st ultimo, and the widespread interest in the competitions is abundantly evidenced in the fact that over 6000 entries have been received. When it is considered that for every entry received many other listeners took part in the competition without forwarding an entry, some idea may be gained of the intense interest in the competition throughout the Dominion. Nor was this interest confined to New Zealand alone, one entry being received from a competitor in Fiji.

In view of the remarkable interest evinced, and the large number of entries, it will be appreciated that the work of checking the answers is one of considerable magnitude, and, in the circumstances, it has not been possible to announce the results in this issue. However, the correction of the 6000 papers received is well in hand, and it is hoped that the final position will be arrived at to enable the list of prize-winners to be published in next week's issue.

The correspondence received in connection with the competitions, apart from the entries, has been terrific, and we trust readers will excuse us for not giving individual acknowledgements, which, in the circumstances, has been clearly impossible. Without exception, the comments received have been in a congratulatory strain, and many writers have suggested further competitions of a similar nature. We purpose going into this matter immediately, and hope to be able to announce something of an interesting nature very shortly.

Divine discontent, the conviction that there are few processes, institutions, or things which cannot be improved, experimentation to see what are and what are not improvements, the discarding of failure, these are the factors which go to make the scientific method.

This law of the survival of the fittest, which was discovered by Darwin and Wallace in the middle of last century, is the law by which the world progresses by evolution, and it has its implications. It teaches us to make ourselves, our children, our institutions and our machinery and our stock fit—that is to say, for a job that each particular unit has to do. Mankind, civilised mankind more particularly, but also mankind in general, differs from others of the animal kingdom in many respects of course, but in one great respect by having a larger and more efficient brain, and his job in life therefore is more the direction by means of his brain of the forces of nature of all sorts.

It therefore behoves him to make his brain efficient to cultivate it, to educate it, so as to fit him for the actual work he will have to perform, whatever that work may be. It also behoves him to select his partner in life with due regard to efficient and healthy offspring, and this I am afraid he does not do at present. If he continues to neglect this precaution it must lead to the deterioration of the race. What phenomenal results could be produced if some superman took charge of man and directed him as he directs and controls his stock and his plants. But man, having free will, would resent what he would call

this unwarrantable interference with his freedom of choice. Seeing that this would be undoubtedly his attitude he must exercise this great gift of freedom of choice—a gift which he denies to his stock and his plants with wisdom and discretion, or else he must take the consequences, and these consequences, whilst they will come upon his own head, will also make their effect felt on the race to which he belongs.

Fitness, therefore—fitness of every part—is the message of science to civilisation. As the bolt must fit its bearings, or ratchet and noise and ultimate breakdown will result, so must every pin and cog and child and man in civilisation's most complicated mechanism fit the job, be it small or large which it has to perform, and as the bolt can only fit the hole by being turned carefully, and fitted truly, so the man can only fit his job by being educated so that he can perform it efficiently.

When a man is spoken of as a round pin in a square hole, it is another way of saying that he does not fit his job, there is ratchet and trouble, and there will be ultimate breakdown.

Know ye not that they which run in a race run all, but one receiveth the prize—the fittest. The fittest race, the fittest woman, the fittest motor-car, the fittest sheep, the fittest horse. So run that ye may obtain.

**HAVE** you renewed your subscription to the—

"Radio Record and Home Journal."  
Box 1032, Wellington.

**Radio and Music****Moiseivitsch Expresses His Opinion**

IN an interview with the Auckland "Herald," Mr. Benno Moiseivitsch said a few heartening things about the future of music and the effect of wireless upon its prospects, those of the piano and orchestras in particular. The famous pianist's remarks are somewhat of a challenge to the pessimists. Mr. Moiseivitsch said: "The complaint sometimes heard that broadcasting is damaging concerts and the livelihood of musicians will not bear examination. Pianoforte tuition is at present in a transitory stage, due partly to the invention of wireless, and partly to the prevailing depression, but the temporary disturbances caused by these conditions will end, and will be replaced by a vast extension of musical culture and appreciation.

"Before wireless became general, about four or five years ago, the promising sons and daughters of a family were sent to a music teacher for tuition.

"When broadcasting became popular, parents thought it better to switch on to the wireless than to listen to the playing of their children. It is no use saying that is bad. We are in a state of transition, and the future will be very different. Wireless is expanding the universe of musical appreciation to an extent never dreamed of, and in the long run may prove to be a blessing in disguise.

"Broadcasting in England is encouraging good musicians, because the B.B.C., being a wealthy institution, is able to afford tremendous fees to secure the services of top-liners. Before the advent of wireless, England could not boast a single good symphony orchestra. Those orchestras that subsisted had to depend upon small specialised audiences, and consequently could not afford high-salaried conductors nor an adequate number of rehearsals. Wireless popularised such concerts among the masses, with the result that orchestras were subsidised by the B.B.C., and now ranked among the greatest in the world.

"From 24 to 26 symphony concerts were now given in London each season, the artists were paid higher salaries than they had ever been paid before, and 80 per cent. of the seats were sold in advance. Yet all these concerts were broadcast. The fact was that once people really came to enjoy good music, they were not satisfied to stay at home; they had to go to the concert and hear and see the real thing."

Mr. Moiseivitsch said he would like to see more symphony orchestras in New Zealand. "Naturally, such an orchestra costs money and conditions are such," he continued, "that only State or municipal subsidies will make it possible. Unfortunately, the importance of musical culture is not usually appreciated by national and civic authorities. They need to be impressed with the fact that music is just as important to a city as art galleries, museums, recreation and playing grounds. Musical appreciation cannot be what it should until you have a first-rate orchestra with a reputation."

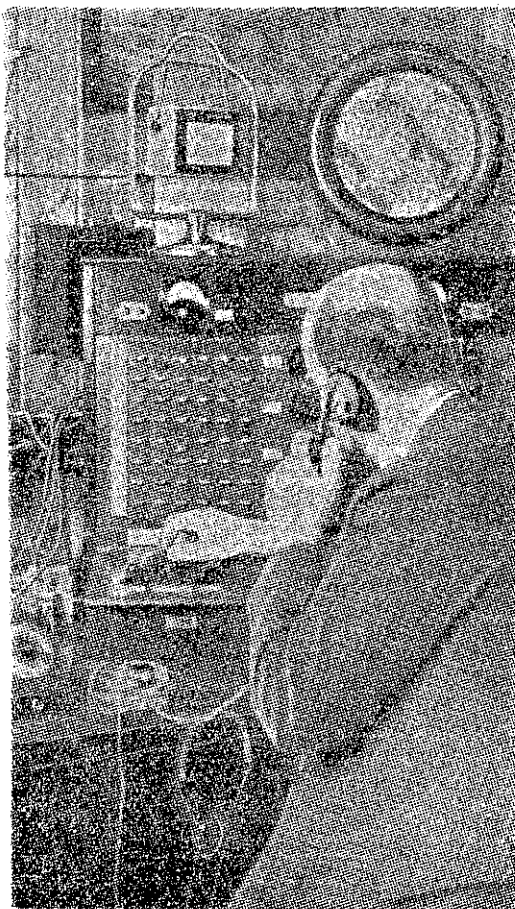


# Broadcasting in Germany

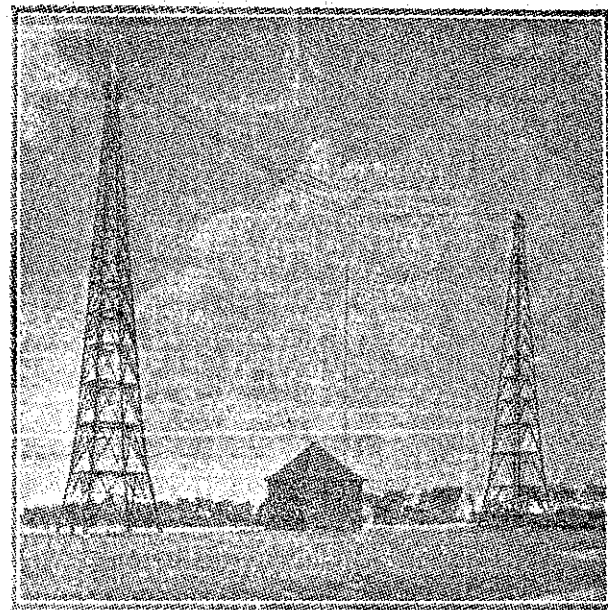
Curiously enough, England and Germany employ fundamentally different systems of broadcast control. In the former country complete control is vested in one body—the B.B.C.—but in the latter, chiefly because of the number and scattered disposition of the main cultural centres, a system of “de-centralisation” is employed, with control by separate companies. In the following article (from the 1932 B.B.C. Year Book), by Ministerialrat A. D. H. Giesecke, Director of the Reichs-Rundfunk-Gesellschaft—the premier broadcasting company in Germany—are outlined the main features of Germany’s broadcast system.

THE English observer, comparing German broadcasting with his broadcasting at home, will be struck by one difference: the allotment of a separate organisation to different parts of the country. In Great Britain the central office in London undertakes the detailed organisation of the broadcasting system and supervises in principle the programmes of all stations; but in Germany each of ten separate companies bears complete responsibility for the programmes radiated within its own area. Is this apparent dismemberment deliberate or adventitious?

It may be recalled that the invention of wireless telephony did not, in Germany, lead at once to the introduction of broadcasting; the political and economic situation at the time pointed to the necessity of placing this new gift first of all—in the form of a system of wireless communication—at the service of trade and commerce. Only when the utilisation of wireless telephony for economic purposes had been sufficiently secured was it possible to liberate some wavelengths for broadcasting. Broadcasting thus began one year later in Germany (in the autumn of 1923) than in Great Britain, and at its inception English experience was already available. In spite of this, we did not follow the example of centralisation set by England, preferring, after



*The chief engineer of the State Broadcasting Corporation at work. He keeps in close touch with all departments under his control, and personally watches every detail of their work.*



*The aerial system of the relay station at Flensburg, near the Danish border. This is typical of a number of low-powered relay stations which are dotted over Germany.*

thorough weighing of the pros and cons, to found the individual companies. The decisive consideration was that of the disposition of artistic activity and talent, which in England are to a great extent concentrated in London, but in Germany are distributed among a number of different cultural centres, so that a rigid centralisation would make it extremely difficult to do sufficient justice to the racial peculiarities of the different provinces. Once this consideration was taken into account, it could only result in “decentralisation,” with the ultimate object of gradually linking the companies together later on to such an extent as future developments, the exact nature of which could not then be foreseen, would indicate.

The principle of the independence of the companies was always maintained, but as the service grew, a partial fusion of this kind did in fact develop in parallel with it and with the heightened technical requirements and the improvement, in telephone-circuits; for example, the Reichs-Rundfunk-Gesellschaft was founded, technical operation was concentrated on this company, and a common programme committee, a central office for school broadcasting, and a Central Aid Station for listeners were established.

How, then, does our German organisation now function in practice? The transmitters are operated by our Post Office, but, with this exception, all business common to the companies, including questions of organisation, management, and engineering, is handled by the Reichs-Rundfunk-Gesellschaft as “roof company”; it also supervises broadcasting finance in its entirety and represents the broadcasters in all common causes. The task of the regional companies is to create the programmes; each of them is assisted by a political supervisory committee and a cultural council.

PROBLEMS connected with programmes and presenting themselves to all companies alike are handled directly either by the programme committee or by the Reichs-Rundfunk-Gesellschaft, according to their nature. School broadcasting is administered by a central office in co-operation with the companies. The ultimate responsibility for broadcasting as a whole is laid upon the Broadcasting Commissioner or the Postmaster-General.

German broadcasting is thus, in fact, much more unified than appears at the first view. Whether the present form is one to be indefinitely continued will depend upon future developments: at the moment, it seems capable of meeting any demands made on it, of whatever kind.

The problems that occupy German broadcasters are essentially the same as in England. There are, first, the many and various technical tasks, which, although in the first (Continued on page 13.)

# Editorial Notes

Wellington, Friday, June 10, 1932

**THIS** week will see the Radio Wiring Regulations gazetted, and it is to be expected they will clear up the many difficulties with which traders installing sets have been faced. To a large extent the Regulations were previously incorporated in the Electrical Wiring Regulations, but in many instances it was somewhat difficult to find precise interpretation on all points. Now that the Radio Wiring Regulations have been gazetted, however, there can no longer be any element of doubt. In the first place we notice that no person shall manufacture for sale, or offer for sale, etc., any radio apparatus which does not comply with the requirements. This is an important step. Up to this time there has been a fair amount of amateur radio manufacturing, and the result has been that there are not a few radio sets in use which have been made by unauthorised persons, and which now do not comply with the regulations. This practice is henceforth stopped.

Secondly, no person shall knowingly continue to use or maintain any radio apparatus if, for any reason, such apparatus has ceased to comply with the requirements of the regulations. This clause throws the responsibility of using sets which do not comply with the regulations on the users themselves, and those who have purchased apparatus from any but the regular sources should read the regulations carefully, and ascertain if their particular apparatus is in order. Non-compliance with the regulations, we note, carries with it a fine not exceeding £5.

**JUDGING** by the reports received by 2YA on the talk broadcast last Saturday evening by Mark Nicholls, the series of sports talks arranged from the YA stations will become very popular. Before Mr. Nicholls had finished talking we understand congratulatory messages were received from all over the city, and even toll calls were put through, one being from Wanganui. Written messages are now being received by the Board, and all speak in the same eulogistic terms. New Zealanders undoubtedly are interested in sport, particularly Rugby football, and we think that the Board, in arranging this series has taken an important step, and are advancing one stage

further in their endeavour to give listeners fare which will be to their taste. It is only to be hoped that the talks arranged from the other centres will be so well received.

**2YA** was on the air on Sunday morning testing, and took the occasion to adjust the balance of the new concert orchestra of sixteen players. The Board had arranged for certain listeners who were in a position to advance constructive criticism to listen to the transmission and, when the experiments were completed, it is stated that the balance was almost perfect. We are glad the Radio Broadcasting Board took this very necessary precaution as, in the past there have been occasions when it was found that although preliminary studio tests were successful, the actual broadcasts left much to be desired. The technical difficulties in balancing an orchestra of such dimensions are indeed many. One has to realise that the characteristic sounds of all the instruments in the orchestra are to be concentrated at the microphone—a very small area compared with that occupied by the players. Consequently if this instrument is not placed in such a position as to give accurate balance, those musical instruments near it will be heard and the others lost. It must be realised too, that the attenuation of sound as picked up by the microphone is different from what it is when interpreted by the air, so that although an orchestra may sound perfectly balanced to the listener, it may be hopelessly inadequate in front of the microphone. Although the position of the microphone can be worked out theoretically, it takes a great deal of experimenting until its optimum position is actually found—and so the Board were wise in going to the trouble of bringing the station on the air, and assembling the musicians at the studio on Sunday morning.

**IN** augmenting the orchestra to its present dimensions, the Board is developing its orchestral music along sound lines. In Great Britain the Broadcasting Corporation has done the same thing, with the result that to-day they have an orchestra which has no parallel in England, and probably few parallels in the

world. Some six years ago they were unknown, but by a process involving a tremendous amount of labour, and not a little expense, this unrivalled orchestra has been evolved. It comprises 115 players. In assembling it the B.B.C.'s aim was to have an organisation capable of dealing with the entire orchestral needs of its programmes, either working as a whole or in subdivisions. There are five divisions, symphony concerts requiring the full modern orchestra of at least a hundred players, symphony concerts requiring medium sized orchestra, say eighty players, dramatic pro-

grammes, musical comedies, etc., requiring between thirty and forty players, light orchestral and light symphony concerts (forty to seventy players), and miscellaneous works (variable combination). The orchestra may play as a whole, or any particular group may be heard on its speciality. It was the B.B.C.'s aim in starting their new orchestra that they should set a standard for English orchestral playing, and it may be claimed that this hope has already been realised. They consider, however, that by no means has the orchestra yet reached the limits of its powers.

## In Phase and Out

By "Quadrant"

**THIS** from 2YA Sunday last: "We are now passing over to relay from the Campanile the last and final recital by Mr. Clifford Ball." Tut, tut! He surely means the last and first.

**"LICENSE** renewals are coming in faster in Dunedin than in any other part of the country."—News item. After all, there must be some truth in the saying that radio is the cheapest form of entertainment.

**A FRIEND** of mine was reading this column in my presence the other day but did not know I was the perpetrator. "Ooh! He's (presumably) wrong about that" she suddenly burst out, "people like the Sunday night concerts because there is such a variety of entertainment. The items are so different and all are of popular appeal." Perhaps she was right, but with apologies to Pilot, "What is Popularity?"

**SOME** people have a tremendous nerve and a colossal cheek. Did you read last week's mailbag?

**THE** topic of conversation in Wellington this week is "Where is Mr. Heigh Ho going?" To which I can only answer that I do not know. If he is to be lost to broadcasting then the loss is a great one.

**THIS** might sound a joke, but it is true. A listener reputed for his vigorous economy campaign heard that a certain private station's programmes were published in the "Record." He sported 3d. and bought a copy, but to his inexpressible disgust he found that they were not present that week (an accident I am informed). Instead of drowning his sorrows in the approved manner, reading the rest of the paper or writing to the editor, he took his paper back and asked for a refund!

**AGAIN** they have televised the Derby. Unquestionably it's coming but, though probably it will burst upon us without warning, do not

think it is not suffering growing pains; remember that the butterfly was once a chrysalis, and before that a grub, and that it had many growing pains while it was becoming a butterfly.

**THEY** seem to be tiring of radio advertising on the other side of the Pacific. Only the other day I read that the newspapers were regarding radio as a serious rival, and talking of banning the publication of programmes as a service to radio. Strangely enough, a few days earlier I noticed an advertisement in a radio magazine for a device whereby the radio could be cut off merely by flashing a torch. The advt. was headed "Cut out bally-hoo and bunk," and from the speaker was emanating a speech concerning some fictitious product.

**I THINK** radio announcers who broadcast news services, especially the 9 p.m. variety, should be recruited from the sub-editor's desk.

**DON'T** those who broadcast get a lot of brickbats. It's like everything else—watch a topnotcher at anything in action. Doesn't whatever he is doing look simple, and do we not think we could do better—but when we try!

**I BELIEVE** the radio regulations are to be gazetted this week, and that there is going to be trouble if installations do not conform to the regulations. "And let there be no moaning at the bar when my set goes out to sea."

**I WONDER** if "Spark" would give me 5/- for this one? Mr. Jones (that's not his name, but the rest of the story is quite true) bought a radio set—a small one—and took it home to try out over the week-end. He switched it on, and it didn't go. Then he read the instructions: "If the set does not go when connected cut off power and check over the following points . . ." He took a pair of scissors and carried out the instructions on the cord—which is now a proud exhibit of a local radio dealer.

## The Board's Problems

### Improvements Discussed

"THERE are many things the Broadcasting Board has to consider, and, of course, it takes a little time to get going properly. We know that in certain parts the people are getting very poor service, but we are doing our best to rectify it; everything cannot be accomplished at once." These observations were made last week to a reporter of the Christchurch "Sun" by Mr. L. R. C. Macfarlane, a member of the board, who was questioned regarding its activities.

Mr. Macfarlane said the board was very pleased at the way listeners were re-registering, and, considering the poor year that has been experienced, the applications were coming in very well. This did not apply to Christchurch to such an extent as it did to some other centres, however, although they were coming in here remarkably well. Dunedin was well ahead of Christchurch—something like 50 per cent.

"The question of morning sessions is one that will have to be considered when we get into our stride," added Mr. Macfarlane. He had heard that some women listeners would appreciate it, but pointed out that anybody with a decent set could listen in to Wellington, which was the only station to broadcast a morning session. From inquiries made it had been found that most of the listeners in New Zealand could "get" Wellington, and it was only in a few isolated places, where conditions for reception are not good, that people could not pick up programmes from that station.

"In any case, most of us are at work while the morning sessions are on," added Mr. Macfarlane, who also mentioned the extra expense that would be entailed.

Questioned as to the attitude of the board with regard to B stations, he said that was a policy question, and he could not say anything. The board realised that people in certain parts were getting very poor service, and it was doing its best to rectify it.

As the result of the questionnaire distributed, the board had received thousands of letters, so it could not be said that it was not in fairly close touch with listeners.

The board had not taken any steps to reduce the large number of unlicensed sets, said by dealers and others to be operating. That was the work of the Postal Department, and the only action the board could take would be to tell the officers of that department to "bustle along and get on with their job." Unlicensed listeners were running a big risk, for they did not know when an inspector was going to pay them a visit.

### Community Singing

AUCKLAND'S opening community sing for the present season will be inaugurated at the Lewis Eady Hall on Friday, June 10, at 12.30 p.m., and thenceforward each week throughout the course of the sings Station 1YA will be on the air to carry out a broadcast each Friday from 12.30 to 1.30 p.m.

## Kirk-Windeyer Cup Broadcast of Results



H. D. Brinsden,

The Auckland member of the recently selected Kirk-Windeyer team to play in Australia this year.

THE New Zealand contestants for the Kirk-Windeyer Cup will be in action against the cream of Australia's golfing talent, commencing on June 11, and the N.Z. Broadcasting Board have made special arrangements with the New Zealand Golf Team's manager, Mr. G. O. Sutton, for the results of each day's play throughout the contest to be cabled to the Dominion for broadcast from all stations.

The dates on which the results will be broadcast are June 11, 13, 14 and 15. Every endeavour is being made to secure the information in time for broadcast during the news session, and it will again be announced at 9 p.m. or at the close of the session.

## 2YA Salon Orchestra Bids Farewell

THE conductor of the 2YA Salon Orchestra writes: You recently published a letter from a Mr. M. K. Johns commenting on the playing of dance music by the "orchestrina" under Mr. T. Dixon, and also stating that it was rendered by a "bunch" of violins, etc. I regret that I am unable to accept the credit for the performance which annoyed your listener, for two outstanding reasons. Firstly, I have no connection whatsoever with the orchestrina. Secondly, when dance music is performed by my orchestra, only one violinist is used, and it is physically impossible for one player to assume the proportions of a "bunch."

I am afraid your correspondent must lay the blame for the offending performance on those actually responsible.

As my connection with broadcasting is now severed, I would like to take this opportunity of thanking the many listeners who have recently written me expressing regret at the departure of my Salon Orchestra from the Wellington broadcasting service.

We have had a lengthy period of service, extending over five years, in fact I think we have been in existence longer than any other broadcasting unit in New Zealand.

I realise the impossibility of pleasing everyone, but it has always been my aim to please as great a number of listeners as possible, and I sincerely hope that my aim has been achieved.

We have always been handicapped by lack of numbers (we consisted of only nine players), but the new combination engaged for 2YA, containing twice the number of players, should atone, numerically, for the lack of volume which must have been apparent heretofore. With best wishes to all listener friends.—M. T. Dixon, Conductor, Salon Orchestra, late of 2YA.

### Electrical Interference

IN Denmark drastic steps are taken to deal with possessors of electrical plants causing interference with the reception of the radio programmes. As soon as the law was passed the authorities were flooded with complaints of all descriptions from listeners and in order to check the flow were compelled to exact a deposit of 10 kronen from any person who notified names and addresses of oscillators troublesome to their neighbours. The money is returned to the complainant when the claim has been justified. A recent census made by the authorities demonstrated that only 10 per cent. of the total number of license-holders now use crystal sets.

## 2YA's Transmissions

### Coverage Commission's Tests

NO doubt many listeners noticed a deterioration in 2YA's transmission at times during the past week, when certain tests were being carried out at the request of the Coverage Commission, with a view to determining the effect on the propagation in different parts of the country where 2YA's transmission has been unsatisfactory. Had more time been available to the Board's engineers, the changes would have been made without introducing a general deterioration of quality as unfortunately occurred.

Under the circumstances, the commission requested that the tests be postponed until they could be carried out under more favourable circumstances. Normal conditions were reverted to on the morning of June 2, and expert observers are unanimous that now the transmission is excellent.

### A Surprise for Listeners

LISTENERS who tuned into 2YA between 10 a.m. and 12.30 p.m. on Sunday received a pleasant surprise. Test transmissions were in progress, opportunity being taken of utilising a rehearsal by Leon de Mauny and his new Concert Orchestra for the purpose. It was quite apparent from what we heard that no pains have been spared by the Board, Mr. de Mauny and his instrumentalists to make the new orchestra a success. The services of a number of expert listeners were enlisted to pronounce on the balance of the orchestra while experiments were being conducted with regard to the placing of the microphones, instruments and vocalists.

The last item by the orchestra was the best broadcast of an orchestral piece we have heard, and proved that the various experiments had been successful beyond all expectation.

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## R.S. Examination

## Humorous Sidelights

**MARKING** examination papers evidently has its humorous side, though it must be a most monotonous and uninteresting job taken on the whole. The other day the writer was speaking with one of the examiners in the radio serviceman's examination, and in passing some of the amusing points were mentioned. One candidate, asked how he would test a valve, replied that he didn't know anything about it and would send them out to a qualified serviceman, of course forgetting that he was aiming to become a qualified serviceman himself. Another remarked after he had done about one question in the second section that, as he had passed in this section last time, he had concentrated on the first section. Would the examiners be lenient? Another, in not attempting to answer any of the questions, said he considered the paper grossly unfair. It was many years since he had left school, and he had forgotten how to take the square root and work fractions, at the same time implying that what he did not know about radio wasn't worth knowing. Many commented that there was not sufficient time to finish, which, by the way, is quite a superfluous remark, as the examiner takes no notice of it. A candidate is asked to do the paper in a certain time, and if he cannot, it is only an indication that he has not seen immediately the point of the question. Incidentally, the examiner said that one candidate had taken a sheet and a half, and in that space had put down all the essential points in each question. His was about the second highest paper marked so far. Another candidate took a whole book and failed to get half marks.

In one way and another the writer has been subjected to a few examinations, and it seems to him that the essential points when doing an examination are:—

1. Read the paper right through first.
2. Pick out the questions you know best and do them first.
3. Think about each question before you start to write about it. \*See if you can see the point that the examiner has in mind. Usually each question has two or three vital points. Get them down in a minimum of words and don't "pad." By "padding" is meant writing round the subject in bringing in extraneous matter. It only annoys the examiner and possibly some of the points you made are so covered by padding that they are not seen.
4. If you really cannot see the point of a question, and realise it is beyond you, do not attempt it. If you have done a good paper, the examiner may possibly be lenient, thinking that it is a matter of time which has crowded out the last question. And furthermore, by the time he gets to it, he has already a high opinion of your work.

## An Apology.

**OWING** to an oversight a letter which contained what we consider to be an unjust personal attack and which, according to our policy, should not have been published, found its way into the Mail Bag Columns last week. We refer to the letter signed by M. K. Johns. Now that it has occurred, we can only express our apologies to those concerned, i.e., Mr. de Mauny and Mr. M. T. Dixon. While in our Mail Bag Columns we encourage the expression of opinions of our readers, we do not encourage biting personal attacks, and, in consequence, any letters containing such are usually withheld from publication.

## Unjust, Unfair and Incorrect.

**I** THINK that the sooner M. K. Johns (vide last week's Mail Bag) sets out on his travels the better, if he can do little more than criticise in such a manner the 2YA musical combinations. Obviously he is not giving either Mr. Dixon or Mr. de Mauny a fair run. He says, first of all, he heard the Orchestrina under Mr. Dixon. What a ridiculous statement! Mr. Dixon had no connection with the Orchestrina, nor the Orchestrina with Mr. Dixon. Which has he heard? Might I suggest that, before he levels criticism, he at least makes certain that he is levelling his criticism at the right person. Furthermore, both combinations have given excellent service to 2YA, and at a time such as this, when they are to be disbanded, I would like to place on record my appreciation of their very fine services. Certainly the time is ripe for a larger organisation, and if there

have been any shortcomings, then these have surely been due, largely, to the limitations which were necessarily imposed upon the two capable conductors.

But I think his attack on Mr. de Mauny is beyond a joke. I have heard many of Mr. de Mauny's performances, both concerts and broadcast, and I can only say that he is one of the finest musicians and conductors I have heard in this part of the world. As a violinist he is an artist with an enviable reputation, and I look forward to hearing him again in the near future. As a conductor he has few equals. One has only to see the way he has built the Wellington Symphony Orchestra to realise this. A short time ago there was no such combination in the city, and Mr. de Mauny started out on very ambitious lines, and largely through his own efforts as a teacher, was able to get together a splendid combination. I have not missed any of his concerts, and each one I have found more enjoyable than the one that went before, so I have no fear in asserting that Mr. de Mauny is not only a capable soloist and conductor, but a very, very progressive musician. I am certain that his acquisition at 2YA will do much toward making that station even more popular than it is.

May I, in conclusion, again emphasise my point that Mr. Johns' criticism is not only mean and unjust, but, what is more important, his statements are incorrect.—Chas. Smith (Karori).

## "Keep Travelling, Mr. Johns!"

**I** AM surprised at the tirade of insults directed against Messrs Dixon and de Mauny by M. K. Johns in last week's

"Mailbag" Columns. In the first place, Mr. Dixon's orchestra was not engaged to play dance music, and so it is grossly unfair to criticise their renderings of this type of music. In the second place I have never seen anything so unsportsmanlike as your correspondent's remarks on Mr. de Mauny, before that gentleman has even appeared before the microphone in his new capacity. In conclusion, I notice Mr. Johns is evidently on tour. Keep travelling, Mr. Johns.—J. K. Evans (Dannevirke).

## The Bridge's Trio.

**I** AM a settler on the Wanganui River, and a regular listener to the very fine programmes put over by 2YA. For some time now, I, together with other listeners up this river, have been wondering why that clever combination, the Bridges Trio, with their wonderfully toned marimba xylophone, have not been heard over the air. My house is always full of appreciative listeners, both Maoris and pakehas, when these clever artists are performing. The former enjoy the guitar music and Maori songs immensely. I would venture to suggest that you give these young people an engagement if available, and give us back-block people a special treat.—"Lover of Light Music."

## World Radio News

**ACCIDENTS** and special circumstances occasionally necessitate the withdrawal of important broadcasting programmes. The B.B.C. have recently had to postpone a mining play called "Danger," because on the very day it was to have been broadcast twelve men were killed in a mine accident.

**FIRE-FIGHTERS** in America's national forest will this summer be equipped with portable transmitting and receiving radio sets. Each set weighs 10lb., but will enable the forest personnel to keep in constant touch by signal code. A telephony set, weighing 25lb., and with a range of one hundred miles, will also be tried out, but this type will be transported on horseback.

**RUTHLESS** retrenchment is the order of the day with the German broadcasting authorities, and the latest move is the decision to put into service the new auditorium at the Berlin Radio House without adopting the elaborate acoustic devices which had been planned by its engineers. Other proposed economy measures are the suppression of "local" programmes in favour of national relays and the shortening of the transmission periods.

**AN** electrical organ was recently demonstrated over an American radio network by its inventor, Richard H. Ranger. No microphones were used, because the notes produced by the musician were in the form of electrical, not sound, impulses. In other words, the organ was connected directly to the broadcast transmitter without any intervening pickup. Thus the instrumentalist was not able to hear his music until the vibrations made the round trip to and from the transmitter to a radio receiver in the same room as the organ.

## Our Mail Bag

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International Rugby  
Read Masters to Broadcast

**I**N addition to the talks already scheduled for Stations 2YA and 1YA by Mark Nicholls and Fred Lucas, Read Masters will appear at Station 3YA, Christchurch, in a series of six talks, to be delivered on Friday evenings, at 9 p.m., as under:—

"Tense Moments Experienced by the 1924 All Blacks" (2 talks).

Friday, June 10

Friday, June 17

"Outstanding Rugby Personalities of Recent Years."

Friday, June 24

"Travel Memories of People and Places" (2 talks).

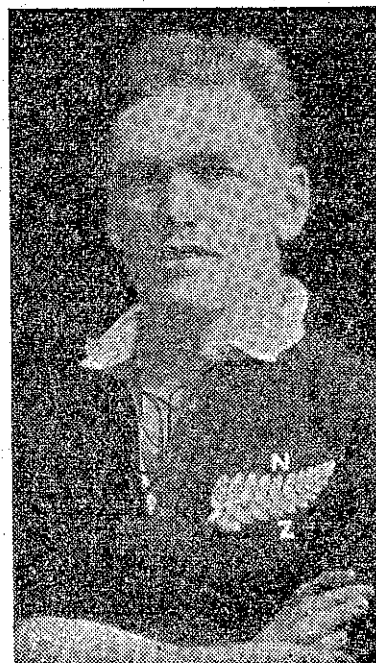
Friday, July 1

Friday, July 8

"A Brief Record of the Ranfurly Shield."

Friday, July 15

Read Masters represented Canterbury during 1921 to 1925, and gained his All Black cap in 1923, 1924 and 1925, playing lock in all the All Black Test matches in England, Wales, Ireland and France during the 1924-25 tour.



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# STATIC

by  
"SPARK"

"BONZO" received honourable mention again when Commander Burgess Watson, of the N.Z. Division of the Royal Navy, spoke from 1YA on behalf of the Tail Waggers' Club. Started in 1928 with fifteen, the club now has a membership of over half a million. The speaker soon became owner of a dog after arrival in this country and, although of doubtful breeding, according to the new owner, this terrier is intelligent and faithful. He must have known by intuition that the Commander was a dog lover, for all efforts to drive him away from the H.M.S. Diomedes were of no avail. All listeners know that the police are co-operating with the Tail Waggers' Club, but many learned for the first time when Commander Burgess-Watson broadcast that the Commissioner of Police was a vice-president of the club.

IN Mr. J. W. A. Crosser's talk on "New Zealand's Manufactures," given from 2ZW on Wednesday night, depression was waived, and an excellent talk was given by one broad enough in his views to tell the true facts of the retailers' and public views on New Zealand-made goods. Mr. Crosser is a tip-top speaker, and I should like to hear more talks given by him on subjects less thrashed than the one chosen, but then, like most successful men of his calibre, he puts initiative into his chosen job, and shows results; and when a man does that these days we have little right to ask of his services in other directions. In a few words Mr. Crosser spoke of the necessity of letting up on savings, putting our earnings into circulation, and thus providing more employment and at the same time ousting the far too many references to depression, which alas has the power of catching us mentally and dragging trade down lower than any international slump.

The speaker gave some sound advice to manufacturers by telling them not to become insular, and not to forget the necessity for quality and finish in whatever they made. "Call in experts from other countries," he suggested, and at the same time give particular attention to the local retailer's point of view. Some New Zealand-made goods are not well finished and if manufacturers work more on the lines suggested by Mr. Crosser I am sure their goods will meet with an increased demand from the New Zealand purchaser, with whom the desire for quality is inherent.

THE first of a series of talks on the social and political history of

New Zealand by Mr. A. J. Campbell from 3YA should make listeners keen to hear the remainder. The original home of the Maoris becoming too small for the increasing population, voyages of discovery to find a country for the surplus took the adventurous to many parts of the Pacific. After a voyage to the Antarctic regions another was made in which the land of the long twilight was located. On the return to the home land a wonderful story of the possibilities of the new land was given and the first migration of the Maoris to New Zealand eventuated. The route to Aotearoa together with the glowing account given by the discoverers was preserved traditionally in the homeland and thus was the way paved for the subsequent migrations. The speaker brought his first talk to an end to the period of the whalers and the missionaries, when England, after losing her American Colonies, was opposed to the annexation of new territory. Mr. Campbell's next talk brings us to the days of the early settlers—the romantic period which will one day be the theme of our poets and songsters to be.

2YA was fortunate in securing the Hon. Robert Masters to speak on behalf of the New Zealand manufacturers' display in the shops of locally made articles. In forceful words the Minister conveyed clearly the necessity, on the part of the public generally, for a less restricted spending of their earnings on New Zealand-made goods. As a Minister of the Government, the speaker is in a position to appreciate the need for employing as many people as possible in our local industries. The trade returns he had available were presented by him in a clear and easy

to follow manner, and I am sure his solicitation for the purchaser to select our own manufactures will not fall on deaf ears. An admirable speech.

THE Austrian broadcasting companies recently held a plebiscite to determine the advisability of lady announcers. The result of the voting was that nearly every listener considered the feminine voice unsuitable for broadcasting. Many lady announcers in New Zealand prove that Austria must be unfortunate, although somehow I would not care to hear a lady giving sporting results.

MR. WILSON, speaking from 2ZW, broadcast some interesting figures on Tuesday night. There are more people employed in the manufacture of clothing than I imagined, and Mr. Wilson's urge that men should show preference for New Zealand-made clothes is a sound one. At the same time there are many industries, both primary and secondary, in this country which should be allowed to die out, as they are quite uneconomical and exist by virtue of protection which is totally beyond reason. The idea of imported reach me downs does not appeal to either my sartorial or patriotic taste, and I think most men like to know that their clothes have had local attention in manufacture even if the cloth is imported from Bradford. After all, New Zealand mills turn out some excellent tweeds and flannels, but they are not yet seriously competitive with the English manufacturer in the finer weaves, but with support of the local product surplus revenue must return to the mill establishment in more elaborate machinery being eventually installed.

THE A.D.C. to the Admiral of the Japanese Naval Training Squadron, in his quaint English, was interesting when speaking from 2YA. The story of his misunderstanding of the English lady whose husband went hunting was not due to idiom. A Dutchman who used to practice his English on me asked why I smiled when he said he had "dropped" in love with a girl, and I was asked by a Tibetan once what part of our anatomy was the "return." He was reading a story of a boy who had been a truant from school and who was beaten on his return.

English is a compulsory subject in the schools in Japan, and the language is generally well spoken there. The gallant sailor probably suffers from being too closely associated with his own nationals only, aboard his ship. In describing the kimona, it was said that legs were not considered limbs of beauty, and stockings were not worn, as the kimona was of length enough to reach the heels. Still there is plenty of bare leg shown in Japan where both the men and the women squat with their heels beneath them on chairs in restaurants and on the seats of railway carriages. In devising the national dress a leg covering was in those days too complicated a shape to make, and therefore the length of the kimona was thus settled. The dress is certainly warm, and it needs to be, for it can be cold in Japan. The usual Japanese fire is a box about a foot each way in which is burned four or five small pieces of charcoal, and the fire is not expected to warm more than the tips of the fingers, as the people kneel at the box with the kimona well tucked about the legs. The speaker made an appeal for us to buy silk. Good for him! Every Japanese could be a shop-keeper. They buy quite a lot of wool from us, and would buy more if the quality were better. One-way traffic in trade is not the ideal to aim for, and it is time we made an effort to improve our wool. Eventually New Zealand's market will be largely in the East.

Reference to New Zealand's assistance after the earthquake of 1923 was not merely courtesy. The Japanese were genuinely grateful. At that time they knew they were considered the "Cinderella" of the Powers, and Western acknowledgement in their sorrow was much appreciated. The earthquake was not the calamity it was generally believed to be. One hundred and fifty thousand lost their lives and they could be spared, and two ramshackle wooden cities, Tokio and Yokohama, were razed. The

## THE WEEK'S BEST PAR.

THIS week's best par. was submitted by S.J.T., Hillgrove. It reads: "It happened some years ago, when radio was young. The announcer of a certain Dunedin 'B' class station, whose geography was apparently rather hazy, announcing a recording of the Missouri Waltz, said: 'We are now to hear the "Mississouri" Waltz!' The same gentleman evidently believed in phonetic spelling (of a sort) as shortly afterwards he announced selections from 'The Belly (Belle) of New York!' I tuned in the same station next day in the hope of hearing further gems, but record after record was played without any announcement at all. Perhaps the management decided that after the previous day's experience discretion would be the better part of (linguistic) valour, for a time at any rate."

THIS is a weekly competition for the best "par." on a radio topic, preferably, but not necessarily, with a humorous bias. Paragraphs on any radio topic treated with brevity and point may be submitted. Address letters to "Spark," c/o "Radio Record," P.O. Box 1032, Wellington, to reach here Saturday morning.

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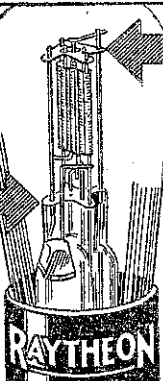
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destruction of the naval base in Yokohama Bay was the greatest loss felt by the nation at the time when Japan thought war was possible if she were to retain her national dignity.

IN speaking of courtship and marriage the sailorman drew on imagination a good deal. Because the mother is a chattel in the eyes of the husband undivided attention is given to the babies in the land where it is said the children never cry. But they do cry. I once expressed to a Nipponese lady that Japan should be ashamed of her child slavery in the mills, and she quoted New Zealand dairy farms to me. They know more of us than many would think.

A FEW years ago a notable Maori after a voyage which took him to the East asserted that the Maori was akin to the Japanese. If there is any relationship it goes back to the dim past. The inhabitants of Japan—with the exception of the indigene who is white and who grows facial fungus early in life—are pure Mongolian, and I think the Maori is more of the Aryan stock. A cartoon which upset all Japan some years ago was one which represented an Australian who entered a barber's shop for a shave. The proprietor was out, but the pet monkey started operations and lathered the customer's face. On starting to strop the razor the Australian remarked that he did not mind the monkey lathering, but his father would have to shave him. This was quoted in the Press throughout Japan, and the Japanese, who are almost without humour as we know it, were most indignant. I don't think that would trouble Hori.

SPAIN has lately been too occupied with her revolution to pay much attention to radio, but now that things are settling down in that sunny land a start is to be made to cover the country effectively. Several high power stations in selected positions are to be erected with a network of relay stations.

AN advertisement in a local newspaper reads—"Wanted to buy, good all-electric radio, gets all stations." That's a pretty tall order which won't be fulfilled. A friend of mine has one that gets 2YA, 3YA and 2ZW all at once. I wonder if that would be considered.

"ROUNDING the Horn" was Lee Fore Brace's epic of the sea on Saturday night from 1YA. The history of hardship and warrior seafarers is told in the nomenclature of the headlands and beaches of that wild and boisterous region. Lee Fore Brace read abstracts of famous ships' logs, written in plain sailor words, of harrowing times through shrieking gales which blew for months—and of the death that met many of the stout hearts who beat to windward round Cape Stiff. The speaker's story of his own experience in a gale which howled for fifty-eight days until the weary crew were almost broken-spirited was as stirring as any. The elements

had beaten a hard-bitten skipper who reluctantly turned about to make his Pacific port, only a few hundred miles off, by the 15,000 mile journey via the Cape of Good Hope. No one should miss Lee Fore Brace.

AFTER listening to a rattling description of the Rugby match at Athletic Park on Saturday I was in the right frame of mind to appreciate Mark Nicholls' from 2YA. Mark kicked off with a description of the British ex-skipper, W. W. Wakefield, and couched his phrases in a



### "Revuedeville"

is the title of a concert to be presented from 2YA by the Wellington Operatic and Theatrical Society

On

Thursday, June 16.

style that soon had me "on the line." Ivor Jones, J. C. Buchanan, Crawford (Ireland's star full-back) were amongst the British players described by the champion of champions. Mark is as good a sport in front of the "mike" as he was on the field, and frankly admitted not having had the opportunity of judging Tommy Lawton, Australia's stand-off half, who captained Oxford, Queensland, and the Waratahs and who, while being judged to be the best man in his position in Great Britain during his sojourn there was picked to play for England, but had to stand down on account of his League associations in Australia. Lawton learned his football in Brisbane and played for Brisbane Grammar School and Queensland University when any form of football other than League was practically unknown in that city and certainly not recognised. Mark Nicholls is on the air again next Saturday, and all sports, whether footballers or not, will be tuned to 2YA to hear him.

LISTENERS in Britain are complaining of the adjective which seems inseparable from the modern full blooded plays that are broadcast by the B.B.C. In most cases the appellation is unrelated to the subject and is merely euphemistic. This being so there can be no reason for the loud speaker to spit out an adjective which offends by being totally inept, purposeless and quite

unapposite. It was George Bernard Shaw in "Pygmalion" who made the gory adjunct acceptable to modern respectable play-goers, and thousands attended the theatre to hear one word. Never was a story told which called for the full vocabulary of expletives as "Treasure Island," but Stevenson was too wonderful a stylist to employ for drawing effect words that were adventitious and otherwise aimless, and the delectable R.L.S. will be read long after the lively G.B.S. has been gathered to the oblivion, which is already beckoning him.

## Children's Session

From 2YA.

Monday, June 13: Uncle Jeff wants to take you all off on a fishing expedition to-night. How many of you want to come? There should be a "Fish Puzzle," so be ready with the names of all the fish you know. We are to go in a launch, and Kipling Lady is going too.

Tuesday: Jumbo hasn't met Pooh, or any of Pooh's friends, not even Christopher Robin, so perhaps we should introduce them all to him this evening. What do you think? Do you think Jumbo will like Tiger?

Wednesday: Tweedledum is going to take you to the land of Turning Windmills, lovely lakes, and waterlily meadows, quaint farmsteads, red-roofed houses, and chiming bells. You are going to North Holland. You will join in the choruses that the little Dutch children sing.

Thursday: This is an evening all about the adventures of Little Day Dreams and her great love of nursery rhymes. If you listen very quietly to-night, after Big Brother Jack and Uncle George have sent you birthday greetings, you will hear all about them.

Friday: "Wool Woman" will be here, this evening with more wonderful patterns for you to knit, and to count up more "Peggy squares." Then you are to hear all about "The Great Adventure of Hare" and the part "Grey Rabbit" played.

Saturday: Cousin Valerie is giving a party in the woodlands for all the elves, gnomes, and brownies. The brownies are going to do all the cooking, and there is to be a fairies' race. Aunt Molly and Uncle Jasper have been invited to this party. What fun they will have.

Sunday: The children's evening song service will be conducted by Uncle George, and assisted by the children's choir from the Terrace Congregational Church, under the leadership of Mr. Maclaurin.

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# Radio Wiring Regulations

## An Important Announcement



IN pursuance and exercise of the powers and authorities conferred on him by the Public Works Act, 1928, and of every other power and authority enabling him in that behalf, his Excellency the Governor-General of the Dominion of New Zealand, acting by and with the advice and consent of the Executive Council of that Dominion, doth hereby make the following regulations for the purposes of the said Act.

### Regulations.

1. (1) These regulations may be cited as the Radio Wiring Regulations, 1932.

(2) These regulations shall form part of and be read together with the Electrical Wiring Regulations, 1927 (hereinafter referred to as "the principal regulations").

(3) These regulations shall come into force on the day following the date of publication hereof in the "Gazette."

2. (1) These regulations shall apply—

- (a) To apparatus which is used or adapted for radio reception or radio transmission or both and which is or is intended to be connected directly or indirectly with a source of supply of electricity used for lighting, heating, or motive power;
- (b) To battery chargers and apparatus of a similar nature used for charging or recharging batteries or accumulators forming part of apparatus used for radio reception or radio transmission or both.

(2) These regulations shall not apply to the fixed wiring on any premises where such apparatus as aforesaid may be installed or to any part of such apparatus as aforesaid beyond the secondary side of the power transformer.

(3) In these regulations—"Radio apparatus" means all such apparatus as aforesaid to which these regulations are hereinbefore declared to apply:

"Connected" means connected directly or indirectly with a source of supply of electricity or with an electrical installation which (in either case) is used for lighting, heating, or motive power:

"Non-reversible" in respect of any accessory device in the nature of a lamp-holder, adaptor, or a plug and socket, for connecting apparatus with a source of supply means so constructed and installed that when the device is in use the switch directly controlling such apparatus must always be connected with the live wire.

3. Nothing in Regulations 26, 27, 28, 66 (m), 90, 91, 98 (6), 119, 179 (1), 207, 212, 215, 252 (g), and 260 of the principal regulations shall apply to radio apparatus.

4. No person shall manufacture for sale or sell or offer for sale, and no person shall install or cause or permit to be installed or assist to install on any premises, or use or maintain or cause or permit to be used or maintained on any premises, any radio apparatus which does not comply with the requirements, or which is not of the character specified by these regulations in respect of such radio apparatus.

5. No person shall install or cause or permit to be installed or assist to

THE Radio Wiring Regulations are to be gazetted this month. They have been prepared as a result of a special commission working in conjunction with the Electrical Wiring Regulations Advisory Committee.

The radio dealers had three representatives on the special committee, and it is understood their findings were unanimous. Note the following important aspects:—

(1) If the installation of a set involves wiring work, the electrical supply authority must be notified.

(2) Before the set is connected to the supply it must be inspected by the electrical supply authority and permission obtained to make the connection whether or not wiring work has been done.

The regulations are to be printed in booklet form, and will probably cost about 9d. Supplies can be obtained from the Secretary, Radio Dealers' Section, N.Z.E.F., in about ten days' time.

install, or use or maintain or cause or permit to be used or maintained, on any premises any radio apparatus in a manner contrary to these regulations.

6. No person shall knowingly continue to use or maintain any radio apparatus, or cause to permit any radio apparatus to continue to be used or maintained, for or in connection with the consumption of electrical energy from a source of supply of electricity used for lighting, heating, or motive power if for any reason such apparatus has ceased to comply with the requirements or to be of the character specified by these regulations in respect thereof.

7. Any person committing a breach of these regulations shall be liable to a fine not exceeding five pounds.

8. Every connected transformer shall be of the double-wound type in which the winding connected to the source of supply is effectively separated from all other windings either by an earthed metallic screen or by adequate insulation capable of withstanding for one minute a test pressure of 1000 volts (root-mean-square value) alternating current or twice the maximum working pressure, whichever is the greater.

9. Every connected transformer shall be of such design, construction, and material that when the surrounding atmospheric temperature does not exceed 90deg. F. the working temperature of the transformer shall not exceed 176 deg. F.

10. Every condenser used on the primary side of a connected transformer shall be capable of withstanding for one minute a test pressure of 500 volts (root-mean-square value) alternating current or 750 volts direct current.

11. Every battery-eliminator shall comply with the following requirements:—

(a) It shall be enclosed in a case of metal or of some material that is tough, not readily combustible, and non-hygroscopic.

(b) Such case shall be adequately ventilated and of such design, construction, and material as reasonably to prevent all risk of causing injury to any person.

12. All live parts operating under normal working conditions at a pressure in excess of 100 volts shall be adequately insulated, and so protected that accidental personal contact therewith is impossible.

13. Auto-transformers may be used

only for supply to the primary winding of a double-wound transformer, and provided they are enclosed in a case of metal or some tough, not readily combustible, non-hygroscopic, material, and provided also that all live parts are enclosed.

14. Reactances shall not be used to reduce the pressure of supply.

15. Every connected resistance shall be of such design, construction, and material that when the surrounding atmospheric temperature does not exceed 90deg. F. the working temperature of the resistance shall not exceed 176deg. F.

16. Except where electrical energy is introduced into the apparatus only by a non-reversible accessory device, every single-pole switch controlling the power input to a receiving set and mounted thereon shall either be permanently short-circuited or be removed.

17. Every radio set, battery-charger, or eliminator operated from a direct current supply shall be fitted with a double-pole switch and fuses in each conductor and be supplied with electrical energy only by means of a non-reversible accessory device.

18. Every set of apparatus other than a battery-charger or battery-eliminator shall be provided with a legible warning notice permanently fixed to the set in a conspicuous position where access to the electrical equipment is provided. This notice shall contain a warning that no internal parts shall be touched until the set has been disconnected from the supply by the withdrawal of the plug or adaptor.

19. (1) Every flexible cord used in connecting any set of apparatus, including a battery-charger or eliminator, with the source of supply shall comply in all respects with the requirements of the principal regulations or be manufactured in accordance with the specifications known as "The Canadian or U.S.A. PO-32 or PD standards," and shall be of the under-mentioned colours:—For a two-core cord: Phase or live wire, red; neutral, black. For a three-core cord: Phase or live wire, red; neutral, black; earthing conductor, any other colour or combination of colours than red or black.

(2) Every such flexible cord shall be furnished with a suitable cord-grip, or other means of relieving the strain

from the connections, and the flexible cord shall be connected with the source of supply and with the apparatus respectively in such a manner as will prevent abrasion or damage to the insulation of such cord.

20. Where it is reasonably necessary to protect the supply system from high-pressure surges or feed-back there shall be installed in the supply to each transmitting set exceeding one-quarter kv. input and as near as possible to each radio transformer, rotary converter, or other auxiliary apparatus one of the following:—

- (a) A condenser of not less than one-tenth microfarad capacity and capable of withstanding for one minute a test pressure of 500 volts (root-mean-square value) alternating current or 750 volts direct current, and having there-with connected across the line, in parallel with such condenser, a shunting fixed spark-gap capable of not more than 1-32in. separation; or
- (b) A protector for the vacuum-tube type across the line; or
- (c) A lightning-arrester of the aluminium cell type or other reasonably adequate type.

21. Pieces of flexible cord shall not be joined together otherwise than by means of a substantial coupling or connector properly insulated, and so installed that its live parts are so guarded or recessed as to prevent accidental personal contact therewith both when withdrawn from and when connected to the apparatus.

22. (1) No flexible cord shall be installed in any position where it is liable to mechanical injury, unless such cord is specially designed for the purpose.

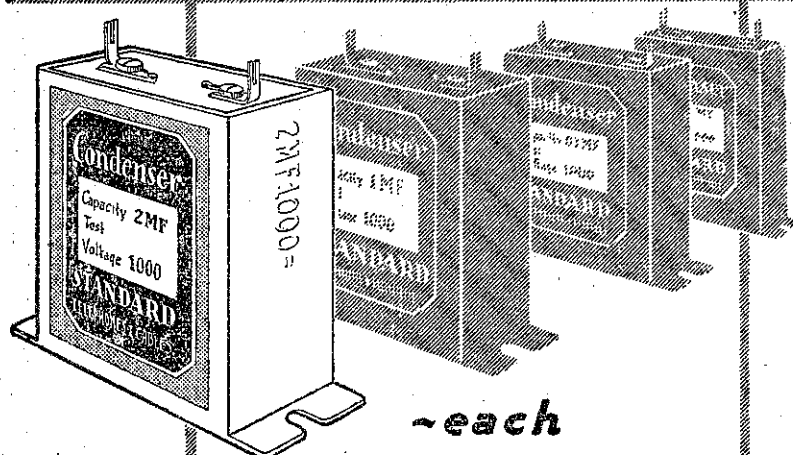
(2) Every flexible cord shall be installed in a position as little liable to mechanical injury as the circumstances permit.

(3) Where the flexible cord is taken across or along any wall, ceiling, or similar position it shall be supported by insulated screw-eyes or other adequate insulators.

23. For the purpose of earthing any apparatus, pipes conveying gas, hot water, or an inflammable liquid shall not be used as an earthing system.



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WELLINGTON

Day and Night Service



## Questions and Answers

**A. R.B. (Auckland):** What improvements can I make to my aerial, which is attached to a tree 28ft. high and to the chimney of my house. The aerial passes over the roof and the lead-in comes from a point close to the chimney.

**A.:** If the aerial is attached to a distant tree it should be fixed on a halyard passing through a pulley, and one end should be weighted, so that the swaying of the tree is taken upon the halyard rather than putting a strain on the aerial, which, by the way, should not run over your roof. The lead-in should come in from a point on the tree side of the chimney, well away from the actual roof. A better plan would be to raise the wire some 10ft. from your roof and then take your lead-in from the point already indicated.

**2.** The aerial has a joint in it, although it is soldered. Does this make any difference to its efficiency?

**A.:** A soldered joint makes very little difference provided it is a good one.

**3.** Is it satisfactory for the earth terminal to be tied round the water pipe, or should it be soldered?

**A.:** No. It should be clamped on, or, if possible, soldered. Merely tying it round does not ensure greatest efficiency.

**L. A.H. (Berhampore):** I have a one-valve set, and am thinking of adding a one-valve amplifier. What B battery voltage should I need to get good speaker reception of the local station?

**A.:** 90 volts at least, although you can get passable reception from 45 volts.

**2.** What B voltage would I need if I added a two-valve amplifier instead?

**A.:** The 90 volts would do admirably.

**3.** Would a two-valve amplifier increase the selectivity of the set?—No.

**J. S. (Karori):** Which aerial do you advise of the two I sketch out?

**A.:** Unless you can raise the end of "B" to clear the sun-porch by more than 18 inches "A" is much to be preferred. However, what is to stop your erecting a short mast on the corner of the house, and thus clearing the sun-porch by a reasonable margin?

**A.:** Dying on my set is unbearable owing to static. Is there any way in which I can overcome this?

**A.:** If it is static you can overcome it to a certain extent by incorporating a tone control, which will deaden a certain amount. However, it is possibly power noise, and if you are using an a.c. set some of this may be coming in through the mains. Take off the aerial and see if the noise persists. If it does, it can be cured; if not, there is very little you can do.

**3.** By taking out the two power valves, and using phones, would conditions be better for dying?

**A.:** Quite possibly they would. However, if the noise is very bad on the speaker you can rest assured it will be fairly bad through the phones.

**W. C.T. (Te Kuiti):** How is a short-wave converter connected to an a.c. model TRF set and to a super het.?

**A.:** We are not conversant with the technical features of the particular circuit, but presume it to be the same as any other converter. There is undoubtedly a "B plus" outlet, which must be connected, irrespective of the set to a suitable "B plus" tapping, usually on the power pack side of the output transformer. If there are filament connections they must be connected to suitable voltage source, usually one of the valves in the set. The aerial is connected with the aerial terminal on the converter and the output terminal is connected with the aerial terminal of the set. The earth is usually common to both. This connection is irrespective of whether the connection is then made to a t.r.f. or super het.

**PUSH-PULL (Wellington):** Can I use ordinary transformers for the Radiogram Five?

**A.:** Yes; use the two lowest ratio transformers you have by connecting resistances across them as is shown in the "Radio Guide." You may not get the best results by doing this.

**2.** What would be the value of the resistances?

**A.:** Across the secondary of the input transformer about 300,000 ohms. Across the primary of the output transformer about 100,000 ohms.

**3.** Has there been any improvement to this set?

**A.:** The a.c. Radiogram is more or less out of date, though the battery set is quite in order.

**MUG (Khandallah):** I cannot bring in 2YA at great strength, and 2ZW is distorted. 2YA spreads all over the dial, yet the set is selective enough on distant stations, separating KFI from 4YA.

**A.:** You would have helped us had you told us the model of your set. However, we presume it is MB30, which is one of the newer sets and if it is this we assume that the condensers of the band-pass filters are out of step. This would cause the symptoms of which you speak. As you suggest, it is a case for a check-up by a radiotician. Your best plan would be to call up one of the local servicemen who would give you an approximate price for a call. Probably there is nothing radically wrong with your set.

**2.** What is the meaning of a "supersonic circuit"?

**A.:** A supersonic frequency is a frequency which is just above the audible range, a supersonic circuit one employing a frequency which is just above the audible range—a type of superheterodyne.

**3.** What is the best type of insulators for aerials—the heavy or the light?

**A.:** The heavy win every time.

**IGNORAMUS (Temuka):** I find that on the higher wavelengths the setting of the r.f. condenser is very critical, and if the grid wire is removed from the condenser, only weak results are to be had. Below 280 metres, removing the connection seems to improve matters. Do these facts show any defects in the screen-grid coils or condensers?

**A.:** It is questionable. With the grid condenser removed, you cannot tune in the incoming signals, and the r.f. valve is acting as an aperiodic stage. This would explain the results being weaker, but as to why they should improve on certain

(Continued on page 22.)

### Information Coupon

(To be used with all requests for information.)

Name or set .....  
Model .....  
Name .....  
Address .....

Nom de plume .....  
To be kept in subsequent inquiries  
Date .....

Please Note:—

- (1) Be specific and brief, tabulating, if possible.
- (2) Write legibly and on one side of the paper.
- (3) We do not design circuits.
- (4) Limit three questions, unless 1/- is enclosed.



# News and Views of the DX Club

## Answers to Correspondents

**DX106 (Raetihl):** "Questions and Answers in Radio" and the 1932 "Listeners' Guide" both contain excellent explanations of the fundamentals of radio. They can be procured from most booksellers, but should you have any difficulty, write Box 1092, Wellington. Another excellent book for beginners is "Wireless, the

and the station closed down at 2.57 a.m. N.Z.S.T.—DX500 (Dunedin).

**American** on approx. 1320 k.c. (227 m.) heard June 1 from 6.0 p.m. to 6.30 p.m. Items heard include "Beautiful Baby Rhymes" and "Lo and Behold." Station was almost on top of KGMB.—DX2HB (Hastings).

**Station** on approx. 918 k.c. (327 m.) heard at weak strength about 1 a.m. on June 1. The music was characteristically native, and was accompanied by chanting in a high voice, such as the programmes from HSPI or from the Japanese stations.—DX1230C (Timaru).

## Australian "B" Stations

### Reception Table

The following table shows the relative audibility of Australian "B" stations on May 29, at 11.30 p.m. DX500 (Dunedin):—

2GB, 2CH, 3UZ, 4BH ....	R9
2UE, 3HA, 7LA, 3DB, 2SM ..	R8
2UW, 3KZ, 4BC, 2WL ....	R7
3GL, 3AW, 2AY, 2MO ....	R6
2HD, 4BK, 5KA, 2KY ....	R5
5AD, 6KG, 2CA .....	R4
6ML, 2KO .....	R3
6PR, 7HO, 4GR .....	R2
5PT .....	R1

Modern Magic Carpet," by Ralph Stranger, obtainable from the Te Aro Book Depot, Courtenay Place, Wellington.

**DX168.O.C. (Broad Bay):** Special verification forms for making reports on reception are obtainable from this office, price 1/6 per 2 dozen lots posted (minimum order), 6 dozen lots, 4/- posted. The form is self-explanatory, and ensures that nothing of importance is left out of the report.

**DX29.H.B. (Gisborne)** and others: Your letters have been held for publication in the next issue of the "Radio Times."

**DX5.O.C. (Dunedin):** Thomas Ballinger and Coy., Victoria Street, Wellington, are the N.Z. agents for the Cossor Melody Maker.

**DX122A (Northcote):** If KDKA and W8XAR are two entirely separate transmitters, as appears to be the case, then verifications from them would count separately.

## Identification Wanted

Station heard between 6.30 and 6.45 p.m. on May 29 on 744 k.c. (403m.). A man was speaking in a foreign language. Later music was played. Also station on 760 k.c. (395m.), heard between 6.30 p.m. and 7 p.m. From this station also, foreign speech and music was heard.—K.D. (Upper Hutt).

**Australian VK** on approx. 200 m. (1500 k.c.), heard on May 29 at 1.15 a.m. The fox-trot "Sweeter Than Sweet" was played at 1.23 a.m. and they closed down at 1.30 a.m. in favour of 3AK, Melbourne. Other VK's, one on approx. 208 m. and one on the same frequency at KGER, Long Beach, Cal., were both VK5's, static preventing me from getting the letters. The latter announcer stated that the station was operated by the "Radio Club." He then asked for reports

## Stations Identified

**P.F.S. (Papatoetoe):** Station on 67 is XER, Del Rio. P.O. (Wellington): Also XER. This station has been heard occasionally giving call XEF (which you probably thought was XEN). "Radio" (Wellington): WGN, Chicago, and XER, Del Rio. DX67MO: KNX, on 1050 k.c., andn KFWI, on 930 k.c. According to a recent verification KFVD's studios have been shifted to Los Angeles.—DX1230C (Timaru).

## DX Topics

### Particulars of W8XAR.

THE following is an extract from a verification recently received from W8XAR. "We wish to verify your reception of our experimental station, W8XAR. These call letters have been assigned to our new broadcasting plant at Saxonburg Pennsylvania and will be used when we are conducting any experiments or broadcasting test programmes. The transmitter is licensed to operate on 980 k.c. (306m.) between the hours of 1.00 and 6.00 a.m. E.D.S.T." It is twelve months since first I heard this station. Has any dxer ever received a verification from an English station on the broadcast band?—DX11.N.W. (Blackball).

## Hamilton District Meeting

At 7.30 p.m. on Saturday, June 11, a meeting of the Hamilton district of the DX Club will be held in the Old Parish Hall, Cambridge. All members are urged to be there and make this meeting a good one.

**W. H. C. ROXBOROUGH.**  
District Secretary,  
Cambridge.

### A New Cuban Station.

**FROM** 5.17 p.m. until about 6 o'clock on May 22, I heard 2OL, Havana, Cuba, on a broadcast of Regal recordings. It came in at about R4.5.—R.H.T. (Christchurch).

[No; you are the first to report.—Ed.]

### Daylight Reception.

**CONDITIONS** for dxing are improving gradually, although Morse interfer- (Continued on page 23.)

# RADIO GOODS *What to Buy and Where*

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# To DEALERS

THERE are still a few towns in various parts of New Zealand where the "Colonial" agency is not yet closed. These territories must be closed immediately, and we invite communication from live dealers of standing who are prepared to give the line the backing it deserves.

In sixteen short months "Colonial" has risen to a position of leadership in the New Zealand radio trade. Always to the forefront with the latest developments, and always just a little ahead in performance, it has made a name for itself second to none.

If you are looking for a line to give you a maximum of satisfaction with a minimum of service troubles,

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Factory Representatives for Colonial Radio Corporation,  
Buffalo, N.Y., U.S.A.



**The Asquiths,**

whose novelty entertainments are a feature of 1YA's programmes. They will next appear on Saturday, June 11.  
—Crown Studios, photo.

### Henry Purcell.

**A** RECITAL of songs by the famous old English composer of the 17th century, Henry Purcell, will provide a delightful section of 2YA's programme on Monday, June 13. Purcell has been styled "The greatest and most original of English composers." He certainly marked the beginning of a new era in music, and he has the distinctive fame of having been appreciated while he lived. He was buried beneath the organ in Westminster Abbey, and a tablet on a pillar nearby bears the legend, "Here lyes Henry Purcell, Esquire. Who left his Life and is Gone to that Blessed Place Where Only his Harmony can be exceeded."

The Lyric Four will interpret, in solo, duet, and quartet some of Purcell's most charming songs. The same singers will also present some traditional airs, "My Boy Billy," "Widdicombe Fair," and "Because I Wur Shy." 2YA's programme this evening will include a half-hour gramophone lecture-recital by Karl Atkinson on "A Northern Folk Singer," "A Surprise Item," and some very attractive selections by the 2YA Concert Orchestra, under Mr. Leon de Mauny.

### The Mountebanks.

**A** PARTY of artists experienced on the stage and before the microphone will be making their first appearance from 1YA on Wednesday in a novelty programme with light and humorous numbers. They will come on the air at approximately 8.30 p.m., the first half-hour being taken up with selected recordings.

### Minnesingers Ladies' Choir.

**THE** Dunedin Minnesingers Ladies' Choir will have charge of the evening's programme from 4YA on Wednesday. Their concerted numbers will be interspersed with 'cello solos by Valmai Moffett and a pianoforte solo by Mrs. E. Drake.

### Noteworthy Items.

**THERE** are many noteworthy items at 1YA on Thursday. On the programme will appear Valerie Penocke, soprano, with Robert Simmers, one of

# On the Air this Week

May 29 — June 4

New Zealand's leading baritones. Instrumental items will be rendered by the 1YA Chamber Orchestra, and Mr. A. B. Chappell will give another of his talks on "Byways of New Zealand." Recorded items include numbers by the Garde Republicaine of France, Leslie Harvey, organist, who is not unknown in New Zealand, George Van Duzen, yodeller, and the B.B.C. Wireless Military Band.

### "Revuedevice."

**THE** programme from 2YA on Friday will be a special presentation by the Wellington Operatic and Theatrical Society, entitled "Revuedevice," and will occupy the whole evening's concert.

### Variety Items from 1YA.

**THERE** are many noteworthy items on 1YA's programme for Saturday. A. L. Lister, who is rapidly making a name for himself in the northern city as a humorist, Winifred Osborne, soprano, and Peter Dawson (particularly noted for his renderings of old English folk-songs), Robert McKnight (concertina numbers), and the 1YA Chamber Orchestra will broadcast during the evening.

### Dunedin Glee Singers.

**THE** Dunedin Glee Singers will be in charge of the programme from 4YA on Saturday, when they will be heard in choruses supported by Mons. de Rose and his instrumental octet. Humorous items will be broadcast by Mr. W. B. Lambert, whose numbers in-

clude "He Played His Ukulele as the Ship Went Down."

### A Great City and Great Men.

**A** GREAT City and Great Men" is the title given to a talk which Sir James Parr, K.C.M.G., will broadcast from 2YA on Tuesday, June 14. During Sir James's term of office as High Commissioner he met all the leading men of Britain, and he will present to listeners thumbnail sketches of such outstanding personages as Lloyd George, Winston Churchill, Ramsay MacDonald, and Stanley Baldwin. Sir James will also give his impressions of the House of Commons, and will describe some of the historic features of the greatest city in the world—London.

### Church Services.

The services for Sunday, June 19, are:—

1YA: Church of Christ, West Street. Preacher, Pastor W. Campbell.  
2YA: St. John's Presbyterian Church.  
3YA: Holy Trinity Church, Avonside.  
4YA: Methodist Central Mission.

### Notes on the Talks.

W.B.A. SESSION: "The Social and Political History of New Zealand" (No. 3), A. Campbell, from 3YA, Monday.

"The Aspect of Education in Russia"

## Featurettes

**Musical Portrait—Henry Purcell**

2YA, Monday

**Talk by Sir James Parr**

2YA, Tuesday

**"The Mountebanks"**

1YA, Wednesday

**"Revuedevice"**

2YA, Thursday

**"My Chinese Shipmates" (Lee Fore Brace)**

1YA, Saturday

(No. 3), Mr. A. Salmond, 4YA, Tuesday.

"The Songs of Scotland—Historical Songs," Mr. J. W. Shaw, M.A., 1YA, Wednesday.

"Psychology To-day—The Great Mystery," Mr. H. C. Beecroft, M.A., 1YA, Thursday.

"Development and Education—The Third Seven Years," Professor W. H. Gould, 2YA, Thursday.

"Political Institutions of New Zealand," Mr. L. C. Webb, M.A., 3YA, Friday.

"The Mind of Post-War Europe—Russia," Dr. Ian Henning, 2YA, Saturday.

**OTHER TALKS:** Ted Priestley, on ballroom dancing, from 2YA on Monday. Karl Atkinson, gramophone lecture-recital, "A Northern Folk Singer," 2YA, Monday.

"General Review of Advisory and Experimental Work of the Department of Agriculture in the Auckland Province," Mr. P. W. Smallfield, Fields Superintendent of the Fields Division, Department of Agriculture, Auckland, 1YA, Tuesday, 7.30 p.m.

"Biographies and Travels," E. J. Bell, 3YA, Wednesday.

"My Chinese Shipmates," Lee Fore Brace, from 1YA, Saturday.

"A Great City and Great Men," Sir James Parr, 2YA, Tuesday.

**INTERNATIONAL TALKS:** "Music and Beauty in Many Lands," Mrs. Gordon Robertson, 1YA, Tuesday, 9 p.m. Guy Scholefield, O.B.E., talking from 2YA on Wednesday at 9.2 p.m.

"The Collapse of Civilisation," Professor L. G. Pocock, 3YA, Thursday, 9 p.m.

## Current Topics

**"LISTENER"** (Wanganui) writes: "In reply to the paragraph in 'Current Topics' of May 27, 1932. The 'Coverage Commission' were informed that 1YA, 3YA and 4YA were not received well in Wanganui, and could seldom be relied upon to give an evening's entertainment." Evidently someone is on the wrong track. Our paragraph was based on a news item in a local paper and correspondence received from Wanganui listeners.

**TWO THOUSAND** people in the Victoria Theatre, London, saw this year's Derby by television. The trans-



**Cathleen Mulqueen**  
(Mezzo-Soprano).

—S. P. Andrew, photo.



**Freda Evans**  
(Lyric Soprano).

—S. P. Andrew, photo.

Two well-known 1YA artists, who will present duets from that station Sunday, June 12.

mission, which was projected on an 18-foot screen, was highly successful. The whole race from start to finish being clearly shown. A further cable message from London states that television has reached the cinema. A six-foot screen in London showed a short variety performance which was being enacted two miles away. Every movement and word was undistorted.

## Radio in Germany

(Continued on page 3.)

place the business of the Post Office, are of the greatest importance to the future broadcasting. They include completion of the network of high-power stations, the elimination of interference with reception, the possibilities of synchronisation and of ultra-short-waves, and television. And we have the additional task of further developing wireless checking-technique, and of perfecting studio acoustics and the technique of recording outside broadcasts on gramophone records, while we are studying also the place of recorded performances in raising the artistic level of the transmissions. An interchange of views on these questions is continually taking place between English and German engineers.

The question of electrical interference is the cause of much work and worry. It may be of interest to mention that the organisation created and directed by the Central Aid Station now comprehends 2000 local aid stations with about 7000 assistants—most of them unpaid volunteers—who in the first half of 1931 disposed of more than 75,000 cases of interference.

To create something new in the programme field, after eight years of broadcasting, is not simple. All the same, each of the companies is continually searching for new forms of endeavouring to improve upon experiments already made. Among these efforts we may refer to the musical works commissioned specially for broadcasting, to comply with the particular requirements of its technique. In response to the clamour for the creation of a dramatic art of the microphone we commission and produce

works of the most varied types, including radio plays, "radio sequences," "cross-sections," and dialogues, in which two, three, or four people take part. The treatment of questions of the day also is steadily gaining in importance.

Devoted care has recently been given to school broadcasting, in which we co-operate very closely with the education authorities. Every third school is today in a position to complement and vivify the usual instruction with the special broadcasts to schools. In order that the fullest use may be made of educational talks, listening-groups have been formed in many places, in which communal listening is followed by discussion, under adequate direction, of what has been heard. An innovation of recent days is the move by the Government to avail itself of broadcasting for pronouncements of especial significance.

It need scarcely be said that in these times of pressure deeper attention is paid to the transmission of advice on agriculture, handicrafts, and other callings. The same motive leads us to use unemployed musicians as much as possible.

And, lastly, relays. Nowadays, with perfected telephone lines, all German stations can exchange technically irreproachable programmes—one recalls the evening programmes, "In Our Part of the Country," given by each station in turn and relayed by all the others; the Bach Cantatas from Leipzig; the national programmes of every sort. In the same way, technical progress enables us to exchange programmes with most of the sister organisations in the rest of Europe, and even, with the aid of the short-wave, with other continents. German stations are very active in this "give-and-take"—let us instance the performance of "Tristan" at Bayreuth this summer, which was re-broadcast by 200 stations in three continents.

Broadcasting in Germany, as everywhere in the world, is thus marching onwards, striving to do justice to its great responsibilities. And the continual, and even more and more rapid, increase in licenses seems, in these times of hardship and economic pressure, to prove beyond argument that broadcasting has never been more necessary to the people.

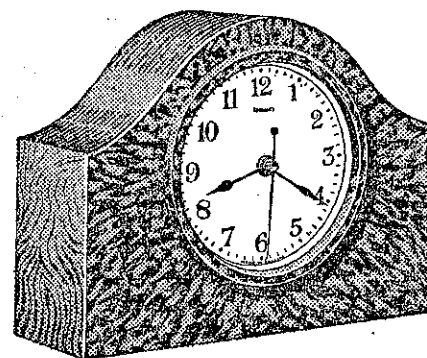
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# Programmes for Week ending June 19

## Sunday

[June 12]

**1YA** AUCKLAND. 902 kc.  
Sunday 12.

2.0: Selected Recordings, and Literary Selection.

4.30: Close down.

6.0: Children, by "Uncle Bert."

7.0: Service from St. David's Church.  
Preacher: The Rev. Bower Black, Organist and Choirmaster: E. S. Craston.

### Concert Programme.

8.30: Overture, 1YA Chamber Orchestra, "Alpine Climbers" (Joyce).

Quartette, Orpheus Quartet, "All in a Garden Fair" (Francis).

Tenor, Sid Poffley, "My Lady is Charming" (Mozart).

Recording (instrumental), Edith Lorand Trio, "Marche Miniature Viennoise" (Kreisler).

Piano, Lillian Quinn, "Allegro di Concerto" (Granados).

Quartette, Orpheus Quartet, "Where My Caravan Has Rested" (Lohr).

Morceaus, The Orchestra, "The End" (Schumann); "Chinese Festival" (Picard).

Weather forecast and notices.

Reserved.

Quartette, Orpheus Quartet, "The Dream of Home" (Arditi).

Baritone, E. Newling, "The Midshipmite" (Adams).

Selection, The Orchestra, "Maux Airs" (Wood).

Piano, Lillian Quinn, "Barcarolle" (Liadow); "Vignette" (Evans).

Recording, Cherniavsky Trio, "Scherzo" (Beethoven).

Duet, Mrs. Freda Evans and Cathleen Mulqueen, "Home Again" (Rohrer).

Quartette, The Orpheus Quartet, "Stars of the Summer Night" (Hatton).

Waltz, The Orchestra, "Roses of the South" (Strauss).

**2YA** WELLINGTON. 720 kc.  
Sunday 12.

2.0 to 4.30: Selected recordings.

6.0: Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from the Roseneath Presbyterian Church.

7.0: Relay of Evening Service from Taranaki Street Methodist Church.  
Preacher: Rev. T. R. Richards. Organist and Choirmaster: H. Temple White.

### Concert Programme.

8.15 (approx.): Relay of Band Concert by the Royal Naval Volunteer Reserve Band from the De Luxe Theatre (Conductor, H. Baker).

**3YA** CHRISTCHURCH. 980 kc.  
Sunday 12.

2.0: Gramophone recital.

4.30: Close down.

5.30: Children's Song Service by children of Church of Christ Sunday School.

6.15: Selected recordings.

8.30: Relay of Evening Service from Church of Christ, Moorhouse Avenue.

## Silent Days this Week

1YA, Monday. 3YA, Tuesday. 4YA, Thursday.

Copyright.—These programmes are copyright, but individual daily programmes may be published on day of performance.

Preacher: Pastor Stuart Stevens. Organist: Mrs. A. L. Pugh. Choir conductor: H. E. Ames.

### Concert Programme.

8.10 (approx.): Selected recordings.  
8.15: Relay of programme from 4YA, Dunedin.

**4YA** DUNEDIN. 650 kc.  
Sunday 12.

2.0: Selected recordings.

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

6.15: Selected recordings.

8.30: Relay of Evening Service from Moray Place Congregational Church.  
Preacher, Rev. Albert Mead, M.A. Organist, Hugh Macmillan. Choirmaster, Alfred Walmsley.

..7.45: Selected recordings.

..8.15: Overture, Mons. de Rose and His Concert Orchestra, "Morning, Noon and Night" (Suppe).

8.23: Bass, W. J. Kershaw, "Droop Not, Young Lover" (Handel).

8.27: Selection, The Orchestra, "Gipsy Love" (Lehar).

8.41: Recording, ZoZnophone Light Opera Company, Gems from "The Merry Widow" (Lehar).

8.49: Rhapsody, The Orchestra, "Slavonic Rhapsody" (Friedeman).

9.0: Weather and station notices.

9.2: Recital by Mr. and Mrs. Ernest Drake. Tenor, "Annabelle Lee" (Leslie); "Trees" (Heymdn); "I Wept, Beloved" (Hugh). Piano, (1) Chorale, "Mortify Us by Thy Grace" (Bach); (2) "Fantasia Impromptu in C Sharp Minor" (Chopin); (3) "Windmills" (Moeran).

Tenor, (1) Recitative and Aria, "Total Eclipse"; (2) Recitative and Aria, "Deeper and Deeper Still," "Waft Her Angels" (all by Handel).

9.32: Tone Poem, The Orchestra, "Finlandia" (Sibelius).

9.39: Recording, Mixed Chorus, "Sea Songs."

9.43: Intermezzo, The Orchestra, "To the Rising Sun" (Torjussen).

9.47: Bass, W. J. Kershaw, "Sea Fever" (Ireland); "A Pleading" (Tschalkowsky).

9.54: Selections, The Orchestra, "On the Bosphorus" (Lincke); "The Love Dance" (Hoshna).

**2YB** NEW PLYMOUTH. 1230 kc.  
Sunday 12.

7.30 to 8.15—Church relay.

8.15 to 10.0—Studio concert.

## Monday

June 13

**2YA** WELLINGTON. 720 kc.  
Monday, 13.

10.0: Selected recordings.

10.30: Devotional service.

11.12: Lecturette, "Cooking."

11.37: Lecturette, "Health Hints or First Aid."

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by Uncle Jeff.

### Dinner Music.

6.0: Chicago Symphony Orchestra, "Russian and Ludmilla—Overture" (Glinka). National Symphony Orchestra, "Irish Rhapsody" (Herbert). International Novelty Orchestra, "To Die Dreaming—Waltz." Vienna Philharmonic Orchestra, "Hungarian Dance No. 3" (Brahms).

6.20: Cedric Sharpe Sextet, "Chanson Napolitaine" (D'Ambrosio). Organ solo, Sandy Macpherson, "L'Heure Bleue" (Spolianski). Salon Orchestra, "Aloha Sunset Land" (Kawelo). Reginald King and His Orchestra, "Song o' My Heart Selections."

6.39: Chicago Symphony Orchestra, "Traume" (Dreams) (Wagner, arr. Tho-

mas). New Symphony Orchestra, "Neil Gwynn Dance No. 3" (German). International Novelty Orchestra, "Four Little Farms—Waltz."

6.48: Vienna Philharmonic Orchestra, "Hungarian Dance No. 1" (Brahms). Cedric Sharpe Sextet, "O Lovely Night" (Ronald). Organ solo, Sandy Macpherson, "In An Old World Garden" (Pep-per). Salon Orchestra, "Chanson Boheme" (Baldi).

7.0: News and reports.

7.40: Lecturette, W. E. Priestley, "Ballroom Dancing."

### Concert Programme.

8.0: Overture, 2YA Concert Orchestra (Conductor, Leon de Mauny), "Fingal's Cave" (Mendelssohn). Suite, "Jeux d'Enfant" (Bizet).

8.16: "Musical Portrait" (Henry Purcell). Quartette, The Lyric, "Our Love Goes Out to English Skies" (Purcell).

Bass, W. Binet Brown, "I'll Sail Upon the Dog-Star" (Purcell). Recording, Manchester Children's Choir, "Nymphs and Shepherds" (Purcell). Tenor, Chas. Williams, "The Knotting Song" (Purcell).

Duet, Roy Hill and W. Binet Brown, "Upon a Quiet Conscience" (Purcell).

8.33: Soprano, with Orchestra, Jeanette Briggs, "A Robin's Song" (White); "The Call of Spring" (Strauss, arr. Elkin).

8.40: Recording (Piano), Benno Moisevitch, "Playara" (Granados).

8.43: English County Songs. Tenor, W. Roy Hill, "My Boy Billy" (Trdtl.). Quartette, The Lyric, "Widdicombe Fair" (Trdtl.). Baritone, Will Goudie, "Because I Wur Shy" (Trdtl.).

8.52: Instrumental, 2YA Concert Orchestra, "Marche Slave" (Tschalkowsky).

9.0: Weather report and notices.

9.3: Surprise item.

9.15: Soprano and Quartette with violin, Jeanette Briggs and Lyric Quartette, "Slumber Song" (Smith). Quartette, The Lyric, "Night" (Schubert).

9.22: Instrumental, 2YA Concert Orchestra, "Three Dale Dances" (Wood).

9.30: Gramophone Lecture Recital, by Karl Atkinson, "A Northern Folk-Singer."

10.0: Dance programme.

**3YA** CHRISTCHURCH. 980 kc.  
Monday, 13.

3.0: Gramophone recital.

4.30: Sports results.

5.0: Children, by "Uncle John."

Dinner Music.

6.0: Milan Symphony Orchestra, "Mignon—Overture" (Thomas). De Groot and His Piccadilly Orchestra, "Babette—Waltz" (Nicholls). Ferdy Kauffman and His Orchestra, "Siciliana" (Serenata) (Schmalstieg). Salon Orchestra, "Allah's Holiday" (Friml).

6.18: Organ solo by Emil Velazco, "La Golondrina" (Mexican air). De Groot and His Piccadilly Orchestra, "Dear Love o' Mine" (Lewis). Brunswick Concert Orchestra, "La Danseuse" (von Blon). A. and P. Gypsies Orchestra, "My Memories." De Groot and His Piccadilly Orchestra, "Two Little Tired Hands" (Croke). Orchestra Mascotte, "The Girl in the Taxi—Waltz" (Petrus).

6.37: De Groot and His Piccadilly Orchestra, "L'Amour, Toujours L'Amour"



## "The Mountebanks"

Will entertain listeners to 4YA

On

Wednesday, June 15

With a novelty programme of a light and humorous nature.



(Friml). The Salon Orchestra, "Sleepy Valley" (Hanley). Organ, Emil Velazco, "Estrellita" (Ponce). Brunswick Concert Orchestra, "Badinage" (Herbert).

6.50: The Little Salon Orchestra, "Springtime in the Forest" (Zimmer). A. and P. Gypsies Orchestra, "Bohemian Romance."

7.0: News and reports.

7.30: W.E.A. Session: A. Campbell, M.A., (third talk), "The Social and Political History of New Zealand."

#### Concert Programme.

8.0: March, Woolston Brass Band (Conductor, R. J. Estall), "Swing Along" (Moorhouse). Overture, "Anna Bolini" (Donizetti).

8.14: Bass-baritone, Malcolm J. Miller, "Echo" (Somerset); "King Charles" (White).

8.20: Recording (Organ), Stanley Roper, "Imperial March" (Elgar).

8.24: Recording, The Salon Group, "Dawn of To-morrow" (Gravelle-Grebn).

8.27: Mezzo-soprano, Millicent Jennings, "A Faded Summer Love" (Baxter); "Where the Blue of the Night" (Ahler).

8.33: Valse, Band, "Dancing With Tears in My Eyes" (Burke).

8.38: Recording (Comedian), Will Fyffe, "Daft Sandy" (Fyffe).

8.44: Violin, J. Malone, "Meditation" ("Thais") (Massenet).

8.50: Recording (Tenor), Robert Naylor, "The Song of Songs" (Moya); "Some-day I'll Find You" (Coward).

8.55: Cornet solo, Bandsman R. Ohlson, "Love's Old Sweet Song" (Molloy, arr. Bingham).

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Sketch, Band, "Swannie River" (Myddleton).

9.25: Bass-baritone, Malcolm J. Miller, "I Travel the Road" (Thayer).

9.28: Recording, International Novelty Quartet, "See Me Dance the Polka" (Grossmith).

9.31: Mezzo-soprano, Millicent Jennings, "Cuban Love Song" (Stothart); "Little Old Church in the Valley" (Kahn).

9.37: Tone poem, Band, "Honour and Glory" (Bath).

9.45: Recording, Norah Blaney, "Our Lodger's Such a Nice Young Man" (Murray).

9.48: Violin, J. Malone, "Canzonetta" (D'Ambrosio); "Schon Rosmarin" (Kreisler).

9.53: Recording, Don Cossack's Choir, "Dance Song" (arr. Dobrowen); "Song of the Cossacks" (Trdtl.).

9.56: March, Band, "Odeon" (Pryor).

**4YA DUNEDIN. 650 kc**  
Monday, 13.

3.0: Selected recordings.  
4.30: Sports results.

## "A Musical Portrait"

of Henry Purcell, the celebrated English composer, will be given

from 2YA on  
Monday, June 13,

By  
The Lyric Quartet

Assisted by

W. Binet Brown . . . . bass

Chas. Williams . . . . tenor

Roy Hill . . . . . tenor

5.0: Children, by Uncle Jack.

#### Dinner Music.

6.0: Victor Olof Salon Orchestra, "Grieg Selection" (arr. Urbach). Dajos Bela Orchestra, "Kaiser Waltz" (Strauss). Frank Westfield's Orchestra, "Fifinette—Intermezzo and Gavotte" (Fletcher).

6.15: Grand Symphony Orchestra, "Chinese Street Serenade" (Siede). Pavilion Lescant Orchestra, "Oh! Miss Greta" Tango (Flossas). Berlin State Opera House Orchestra, "Praeludium" (Jarnefeldt). Frank Westfield's Orchestra, "Serenade" (Heykens). Dajos Bela Orchestra, "The Three Waltz Kings" (Strauss and Sons).

6.35: Edith Lorand Orchestra, "Tales of Hoffman" Fantasia (Offenbach). Dajos Bela Orchestra, "Narcissus" (Nevin). Frank Westfield's Orchestra, "Lilac Time" Selection (Schubert-Berte).

6.51: Pavilion Lescant Orchestra, "Drink, Brother, Drink" Waltz (Benedix). Grand Symphony Orchestra, "Japanese Lantern Dance" (Yoshitomo).

7.0: News and reports.

#### Concert Programme of Recordings.

8.0: Selection, Grand Symphony Orchestra, "The Land of Smiles" (Lehar).

8.9: Baritone, Lawrence Tibbett, "Tramps at Sea" (McHugh).

8.12: Humour, John Henry, "John Henry in Paris" (Henry).

8.17: Selections, Super Cinema Orchestra, "Love's Dream After the Ball" (Czibulka); "Hush" (Douglas).

8.24: Chorus, Light Opera Male Chorus, "Songs of Good Cheer" (arr. Byng).

8.32: Piano, Raie da Costa, "I Found You" (Noble); "When the Circus Comes to Town" (de Rance).

8.38: Selection, Philadelphia Symphony Orchestra, "Damnation of Faust" (Berlioz).

8.42: Mezzo-soprano, Olga Haley, "So We'll Go No More a-Rovin'" (White); "At Night" (Ronald).

8.49: Popular Melody, Rudy Vallee and His Orchestra, "Why Dance?" (Ahler).

8.52: Duettists, Layton and Johnstone, "That's Why Darkies Were Born" (Henderson); "Nevertheless (I'm in Love with You)" (Ruby).

8.57: Novelty, International Quartet, "Dwarfs' Patrol" (Rathke).

9.0: Weather report and notices.

9.2: Talk, G. C. Billing, "National Leadership in Modern Industry" (Second of Series).

9.17: Selection, Band of H.M. Grenadier Guards, "A Princess of Kensington" (German).

9.25: Popular Vocal, Jack and Jill, "It's the Girl" (Baer); "I Found You" (Noble).

9.30: Organ, Terance Casey, "Other Days" (arr. Finck).

9.35: Humour, Ronald Frankau, "I'm Absolutely Certain" (Frankau).

9.38: Waltz, Vienna Philharmonic Orchestra, "Village Swallows" (Strauss).

9.46: Chorus, The Jolly Old Fellows, "Dug-out Ditties."

9.52: Selections, Sydney Baynes and His Orchestra, "Kentucky Home"; "Old England" (both arr. Baynes).

**2YB NEW PLYMOUTH. 1230 kc.**  
Monday, 13.

7.30 to 8.0—News and information.  
8.0 to 10.0—Studio concert.

## Tuesday [June 14]

**1YA AUCKLAND. 902 kc.**  
Tuesday, 14.

3.0: Selected recordings and literary selection.

4.30: Sports results.

5.0: Children, by Uncle Dave.

#### Dinner Music.

6.0: Berlin State Opera Orchestra, "The Beautiful Galathea" Overture (Suppe, arr. Artok). The International Concert Orchestra, "Just a Kiss" Waltz (Kasik). The Regimental Band of H.M. Grenadier Guards, "Parade of the Elephants" (Chenette).

6.14: Jack Hylton and His Orchestra, "More Melodious Memories" (Finck). J. H. Squire Celeste Octet, "Minuet Sicilienne" (Squire-Hart). London Symphony Orchestra, "Komarinskaya" (Glinka).

6.31: Organ, Jesse Crawford, "La Borachita" (Fernandez-Esperon). Musical Art Quartet, "Serenade" (Herbert). The Regimental Band of H.M. Grenadier Guards, "The Old Frog Pond" (Alford). J.H. Squire Celeste Octet, "Minuet in D" (Mozart, arr. Willoughby). London Palladium Orchestra, "Selection of Operatic Gems" (arr. Forbes).

6.50: Organ, Jesse Crawford, "I Loved You Then as I Love You Now" (Macdonald-Axt). National Military Band, "Ben Hur" (Byng).

7.0: News and reports.

7.30: Talk, P. W. Smallfield, Fields Superintendent, Fields Division, Department of Agriculture, Auckland, "General Review of Advisory and Experimental Work of the Department of Agriculture in the Auckland Province."

#### Concert Programme of Recordings.

8.0: Orchestra of the Opera Comique, Paris, "Marche Heroique" (Saint-Saens).

8.9: Light Opera Company, Vocal Gems from "The Quaker Girl" (Monckton).

8.17: Piano, Fanny Davies and Royal Philharmonic Orchestra, "Allegro from Concerto in A Minor" (Schumann).

8.29: Apollo Granforte and Hilda Monti, "Su Dunque"; "Rivedrai le Foreste Imbulsamate" (both by Verdi).

8.37: March, Massed Military Bands, "The Gladiator's Farewell" (Blankenburg).

8.41: Novelty, Syd. Howard, Vera Pearce and Company, "Our Village Concert."

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RADIO DIVISION,  
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WELLINGTON.

8.49: 'Cello, W. H. Squire, "Spinning Wheel" (Dunkler).

8.52: Dajos Bela Orchestra, "Morgen blatter"; "Marien Klange" (both by Strauss).

9.0: Weather forecast and notices.

9.2: Talk, Mrs. Gordon Robertson, "Music and Beauty in Many Lands."

9.22: Violin, Tossy Spiwakowsky, "Sonata XII" (Paganini).

9.26: Quintet, The Maestros, "Two Little Girls in Blue" (Graham); "After the Ball" (Harris).

9.32: Marek Weber and His Orchestra, "A Night in Venice" (Strauss).

9.40: Humorous Monologue, Gillie Potter, "Mr. Potter's Sporting Broadcast" (Potter).

9.46: String Quartet, Virtuoso String Quartet, "Orientale" (Glazounoff); "Gavotte" (Thomas).

9.52: Soprano, Gladys Moncrieff, "Love, Your Spell is Everywhere" (Janis); "Love is a Dreamer" (Stept).

9.53: Massed Military Bands, "1001 March" (Blankenburg).

**2YA WELLINGTON. 720 kc.**  
Tuesday, 14.

- 10.0: Selected recordings.
- 10.30: Devotional service.
- 11.12: Lecturette, "Fabrics and Fashions."
- 12.0: Lunch music.
- 2.0: Educational session.
- 3.0: Selected recordings.
- 3.30 and 4.30: Sports results.
- 5.0: Children, by Jumbo.

#### Dinner Music.

6.0: Berlin State Opera Orchestra, "Oberon" Overture (Weber). De Groot and the Piccadilly Orchestra, "Till I Awake" (Woodforde-Finden). Arthur de Greef and the Royal Albert Hall Orchestra, "Hungarian Fantasia" (Liszt).

6.26: New Queen's Hall Orchestra, "Carmen" Overture (Bizet). Marek Weber and His Orchestra, "La Tosca" Potpourri (Puccini, arr. Tavan). Instrumental Trio, Fritz Kreisler, Hugo Kreisler and M. Raucheisen, "Marche Miniature Viennoise" (Kreisler).

6.41: B.B.C. Wireless Military Band, "Le Reve Passe" (Helmer). De Groot and the Piccadilly Orchestra, "The Temple Bells" (Woodforde-Finden). Berlin State Opera House Orchestra, "Samson and Delilah" Ballet Music.

6.54: Fritz Kreisler, Hugo Kreisler and M. Raucheisen, "Syncopation" (Kreisler). J. H. Squire Celeste Octet, "An Irish Love Song" (Squire).

7.0: News and reports.

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

#### Concert Programme.

8.0: Recording, B.B.C. Wireless Symphony Orchestra, "Il Trovatore" (Verdi).

8.8: Quartette, Waiata Ladies' Quartette, "Two Irish Melodies" (arr. Forsyth).

8.12: Selection, Frank Crowther's Novelty Orchestra, "Our Miss Gibbs" (Monckton).

8.22: Recording (Humour), Gillie Potter, "Mr. Potter Wanders On" (Potter).

8.28: Contralto, Mollie Fenton, "Come Back to Erin" (Moore); "Dreaming of Home" (arr. Besly).

8.34: Novelty, Frank Crowther's Novelty Orchestra, "The Teddy Bears' Picnic" (Bratton). Waltz, "A Bundle of Old Love Letters" (Brown). Piano Novelty, Frank Crowther, "Lopeziana" (Alter).

8.44: Recording, The Rondoliers and Piano Pals, "I Need Lovin'" (Creamer); "Lady of Spain" (Reavis).

8.50: Duet, Mrs. P. Ramsey and Lalla Vondersloot, "Mother Machree" (Alcott and Ball). Trio, Waiata Ladies' Trio, "Celtic Lullaby" (Robertson).

8.56: Recording, Band of H.M. Royal Horse Guards, "Gallantry" (Ketelbey)

9.0: Weather report and notices.

9.2: Lecturette, Sir James Parr, "A Great City and Great Men."

9.30: Trumpet, Dick Colvin, "E Lucevan le Stelle" (Puccini). Waltz, Frank Crowther's Novelty Orchestra, "Waltz in A Flat" (Brahms). Selection, "La Cinquantaine" (Gabriel-Marie).

9.40: Soprano, Nora Gray, "Lake Isle of Innisfree" (Herbert); "Achal by the Sea" (Lawrence). Duet, Mollie Fenton and Mrs. P. Ramsey, "Come Silver Moon" (arr. Besly). Quartette, Waiata Ladies' Quartette, "Off in the Stilly Night" (arr. Vincent).

9.50: Xylophone, S. Bernard, "Blaze Away" (Holzmann). Foxtrot, Frank Crowther's Novelty Orchestra, "Delishious" (Gershwin). Selection, "Selection of Popular Dance Favourites" (arr. Crowther).

**4YA DUNEDIN. 650 kc.**  
Tuesday, 14.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children, by Wendy and Aunt Leonora.

#### Dinner Music.

6.0: Albert W. Ketelbey's Concert Orchestra, "Chal Romano" Gypsy Overture (Ketelbey). International Novelty Quartet, "The Veleta" (Morris). San Francisco Symphony Orchestra, "Caprice Viennois" (Kreisler).

6.16: Zonophone Salon Orchestra, "Evensong" (Easthope Martin). The London Palladium Orchestra, "Sunset" (Matt). Marimba Band, "Aguas Dormidas" (Bolanos). Berlin State Opera House Orchestra, "A Midsummer Night's Dream" Overture (Mendelssohn).

6.38: San Francisco Symphony Orchestra, "Coppelia Ballet—Automatons' Dance" (Delibes). International Novelty Quartet, "Merry Widow" Waltz (Lehar). The London Palladium Orchestra, "Eleanor" (Deppen). Marimba Band, "Morales Lopez" (Bolanos). Berlin State Opera House Orchestra, "A Midsummer Night's Dream—Wedding March" (Mendelssohn).

7.0: News and reports.

7.30: W.E.A. Session, A. Saimond, M.A., "The Aspect of Education in Russia" (Third of series).

#### Concert Programme.

8.0: Thirty minutes of recordings.

8.30: March, Dunedin Tramways Band, (Conductor: Chas. T. Morgan). "Conquest" (Gullidge); Idyll, "Happy Days" (Desmond).

8.38: Baritone, F. Mortley Peake, "Five and Twenty Sailormen" (Coleridge-Taylor); "I Will Not Grieve" (Schumann).



Nora Gray,

an artistic soprano soloist, appearing next from 2YA on Tuesday, June 14. She is also an accomplished pianist.  
—S. P. Andrew, photo.

8.44: Humour, Clapham and Dwyer, "Photography" (Clapham and Dwyer).

8.50: Selection, The Band, "Patience" (Sullivan).

9.0: Weather report and notices.

9.2: Reserved.

9.17: Contralto, Miss M. R. Kenward, "Che Faro" (Gluck); "To Music" (Schubert).

9.23: Waltz, The Band, "Destiny" (Baynes).

9.30: Recording, Wish Wynne, "I Dunno" (Wynne).

9.33: Baritone, F. Mortley Peake, "The Wanderer" (Schubert); "Love Leads to Battle" (Bnononcini).

9.39: Trombone, The Band, "The Tyrol-ien" (Sutton).

9.43: Contralto, Miss M. R. Kenward, "Ye Banks and Braes" (Burns); "Homeland" (Drummond).

9.49: Recording, Pianos, Fairchild and Rainger, "To Spring" (Grieg) "Twinkletoes" (Potter).

9.55: Foxtrot, The Band, "Laughing at the Rain" (Gay). March, "The Elephant" (Hume).

**Wednesday**  
[June 15]

**1YA AUCKLAND. 902 kc.**  
Wednesday, 15.

3.0: Selected recordings, and Literary Selection.

4.30: Sports results.

5.0: Children, by "Uncle Reg."

#### Dinner Music.

6.0: Berlin State Opera House Orchestra, "The Barber of Seville" Overture

(Rossini). Dajos Bela Orchestra, "Woodland Peace" (Favilla). Opera Comique Orchestra, "Gopak" (Moussorgsky). Dajos Bela Orchestra, "Roses of the South" Waltz (Strauss).

6.15: Opera Comique Orchestra, "The Sorotchintsi Fair"—A Hot Day in Little Russia" (Moussorgsky). Grand Symphony Orchestra, "Polonaise No. 1 in A" (Chopin). Debroy Somers Band, "The Desert Song" (Romberg). Barnabas von Geezy and His Orchestra, "Strauss Waltz Medley" (Strauss).

6.39: National Symphony Orchestra, "Light Cavalry" Overture (Suppe). Grand Symphony Orchestra, "Hungarian Dances—Nos. 5 and 6" (Brahms). Dajos Bela Orchestra, "The Court Ball" (Lanner). "Vienna Bon Bons" Waltz (Strauss).

7.0: News and reports.

7.30: W.E.A. Session: J. W. Shaw, M.A., "The Songs of Scotland—Historical Songs."

#### Concert Programme.

8.0: Thirty Minutes of Selected Recordings.

8.30: Programme by "The Mountebanks."

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Continuation of programme by "The Mountebanks."

9.30: Relay dance music from "Peter Pan" Cabaret.

**2YA WELLINGTON. 720 kc.**  
Wednesday, 15.

10.0: Selected recordings.

10.30: Devotional service.

11.37: Lecturette, "Hollywood Affairs"

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children's session.

#### Dinner Music.

6.0: National Symphony Orchestra, "William Tell" Overture (Rossini). International Novelty Orchestra, "Carmen Sylva" Waltz (Ivanovici).

6.15: Berlin State Opera Orchestra, "Capriccio Italien" (Tchaikowsky). New Queen's Hall Light Orchestra, "Britannia—Overture" (Mackenzie).

6.31: The Band of H.M. Coldstream Guards, "Floradora" Selection (Stuart). La Franciscan Symphony Orchestra, "Liebesleid" (Kreisler). New Mayfair Orchestra, "Wake Up and Dream" Selections (Porter).

6.46: International Novelty Orchestra, "Eva" Waltzes (Lehar). Dajos Bela Orchestra, "The Zarewitsch—Potpourri" (Lehar).

7.0: News and reports.

#### Concert Programme of Recordings.

8.1: Selection, Marek Weber and His Orchestra, "Mikado" (Sullivan).

8.9: Tenor, Lawrence Tibbett, (a) "Without a Song"; "Life is a Dream" (both by Youmans).

8.15: Flute duet, Jean and Pierre Gennin, "Pizzicato Pierette"; "Valse des Mascottes" (both by Gennin).

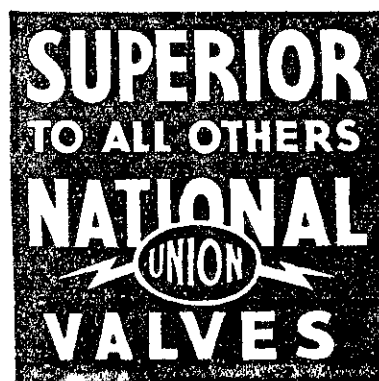
8.21: Recital, Henry Ainley, "The Bells" (Poe).

8.25: Concerted, Light Opera Company, "Naughty Marietta" (Herbert).

8.29: Piano, Arthur de Greef, "Feuille D'Album"; "Papillon" (both by Grieg).

8.33: Baritone, George Baker, "Star of My Soul" (Jones); "In the Shade of the Palm" (Stuart).

8.39: Intermezzo, J. H. Squire Celeste Octet, "An Old Church Legend" (Trin-oen); "An Irish Love Song" (Squire).



8.45: Humour, Frank Wood, "Old Time Comedians—Vocal Memories."

8.51: 'Cello, Pablo Casals, "Spanish Dance" (Granados, arr. Casals); "Vito" (Popper).

8.57: Contralto, Essie Ackland, "Darby and Joan" (Molloy).

9.0: Weather report and notices.

9.2: Lecturette, Dr. Guy H. Scholefield, O.B.E.

9.17: Selection, The London Palladium Orchestra, "Classica" (arr. Ewing).

9.25: Soprano, Elsie Suddaby, "Spring Had Come" (Coleridge-Taylor).

9.28: Pianoforte duet, Edgar Fairchild and Robert Lindholm, "Follow Through" Medley (Henderson).

9.34: Bass-baritone, Peter Dawson, "The Cobbler's Song" (Norton); "The Mountains of Mourne" (Collisson).

9.40: Instrumental, Salon Orchestra, "Ah! Sweet Mystery of Life" (Herbert).

9.44: Humour, Joe Hayman, "Abe Levy's Anniversary"; "Cohen on Telephone Department" (both by Hayman).

9.50: Waltz, The London Palladium Orchestra, "Katja the Dancer" (Gilbert).

9.53: Baritone, George Sorlie, "One Hour With You" (Whiting).

9.56: Marching song, National Military Band, "Three Musketeers" (Benatzky).

**3YA CHRISTCHURCH.** 980 kc  
Wednesday, 15.

3.0: Gramophone recital.

5.0: Children, by Cousin Beatrice.

#### Dinner Music.

6.0: Philadelphia Symphony Orchestra, "Damnation of Faust—Marche Hongroise" (Berlioz). New Mayfair Orchestra, "Sons o' Guns" Selection. International Novelty Orchestra, "Gold and Silver Waltz" (Lehar).

6.15: Virtuosa String Quartet, "The Emperor" Quartet" (Haydn) Theme and Variations. Jack Hylton and His Orchestra, "Lonesome Little Doll" (Bontleje). De Groot and His Orchestra, "I Love You" (Grieg). The London Palladium Orchestra, "Longing" (Haydn Wood). Organ, Edward O'Henry, "Dream Lover" (Schertzinger).

6.30: De Groot and His Orchestra, "Autumn" (Chaminade). Philadelphia Symphony Orchestra, "Samson and Delilah—Bacchanale" (Saint-Saens). International Novelty Orchestra, "Emperor Waltz" (Strauss).

6.43: Virtuosa String Quartet, "Londonderry Air" (arr. Bridge). Jack Hylton and His Orchestra, "Steppin' Out" (Vauchant). De Groot and His Orchestra, "Romance" (Rubinstein). The London Palladium Orchestra, "Vivienne" (Finck).

6.55: Organ, Edward O'Henry, "Just as We Used to Do" (Rulli).

7.0: News and reports.

7.30: Addington Stock Market Reports.

7.40: Talk, E. J. Bell, Librarian Public Library, "Biographies, Travels."

#### Concert Programme.

8.0: Relay of programme from Radiant Hall. The Christchurch Orchestral Society, Inc., under conductorship of Angus Gunter (Leader, T. B. Riordan). Overture, Orchestra, "Egmont" (Beethoven).

8.12: Symphony, Orchestra, "Symphony No. 1 in C Major" (4th Movt.) (Beethoven).

8.38: Soprano, Frances Hamerton, "Una Voce Poco Fa" (Rossini).

8.48: Intermezzo, Orchestra, From "Songs Without Words," (a) "Spring Song," (b) "Boating Song" (Mendelssohn).

8.58: Recording, Don Cossacks Choir "The Red Sarafan" (Warlamoff, arr. Jaroc).

9.2: Weather forecast and notices.

9.4: Recording (Bass), Theodor Chaliapin, "When the King Went Forth to War" (Koenamann).

9.8: Suite, Orchestra, "Peer Gynt," No. 1, (a) "Morning Mood," (b) "Death of Ase," (c) "Anitra's Dance," (d) "In the Hall of the Mountain King" (Grieg).

9.23: Soprano, Frances Hamerton, "The Happy Wanderer" (Michael Head); "Fairy Lullaby" (Roger Quilter); "A Song for April" (Horne).

9.33: Instrumental, Orchestra, "Praeludium" (Jarnfeldt).

9.38: Overture, Orchestra, "Rosamunde" (Schubert).

9.50 (approx.): Dance music.

**4YA DUNEDIN.** 650 kc  
Wednesday, 15.

3.0: Selected recordings.

3.15: Talk, Home Science Extension Service of Otago University, "Just a Common Cold—Does it Matter?"

4.30: Sports results.

5.0: Children, by Big Brother Bill.

#### Dinner Music.

6.0: Marek Weber and His Orchestra, "Cavalleria Rusticana" Selection (Mascagni). International Concert Orchestra, "My Treasure" Waltz (Becucci).

6.13: National Military Band, "Ballet Egyptian" (Luigini). De Groot and His Orchestra, "When the Great Red Dawn is Shining." The London Orchestra, "Valse Memories" (arr. Somers).

6.30: Zonophone Salon Orchestra, "Mighty Lak' a Rose" (Nevin). Philadelphia Symphony Orchestra, "Casse Noisette (Nutcracker) Suite"—"Waltz of the Flowers" (Tchaikowsky). London Palladium Orchestra, "Classica Selection" (arr. Ewing).

6.47: International Concert Orchestra, "La Spagnola" Waltz (Di Chiara). Zonophone Salon Orchestra, "Love's Garden of Roses" (Wood). De Groot and His Orchestra, "Zinetta" (Geehl).

7.0: News and reports.

#### Concert Programme.

8.0: Recording, Creatore's Band, "Semi-ramide" (Rossini).

8.3: Part-songs, Minnesingers Ladies' Choir, "In a Gondola" (Harry); "Three Fishers" (Wolstenholme).

8.15: 'Cello, Miss Valmai Moffet, "Gavotte in D" (Popper); "Serenade" (Delius).

8.22: Solo and Chorus, Minnesingers Ladies' Choir, "Willow Pattern Plate" (Stuart). Soprano, Anne White, "Kinder Kinder" (Schwartz).

8.29: Recording, Willem Mengelberg and His Concert Orchestra, "Oberon" (Weber).

8.37: Negro Spirituals, Minnesingers Ladies' Choir, "Steal Away"; "Were You There" (both traditional).

8.44: Piano, Mrs. C. Drake, "Sonata Tragica" (McDowell).

8.48: Duet, Helen Roy and Anne White, "When the Wind Blows In From the Sea" (Smart).

8.52: 'Cello, Valmai Moffet, "Allegro Appassionata" (Saint-Saens); "Old French Dance" (Marais).

9.0: Weather report and notices.

9.2: Reserved.

9.17: Part-song, Minnesingers Ladies' Choir, "A Song on May Morning" (McBurney).

9.21: Recording, Grand Symphony Orchestra, "Japanese Cherry Blossom Festival" (Yoshitomo).

9.25: Solo and Chorus, Minnesingers Ladies' Choir, "Lily of Laguna" (Stuart).

9.30: Dance music.

**2YB NEW PLYMOUTH.** 1230 kc  
Wednesday, 15.

7.30 to 8.0—News and information.  
8.0 to 10.0—Studio concert.

## Thursday [June 16]

**1YA AUCKLAND.** 902 kc  
Thursday, 16.

12.15: Selected recordings.

12.30: Relay of Mid-day Service from St. Matthew's Church.

3.0: Selected recordings.

3.15: Home Science Talk, prepared by the Home Science Extension Service of Otago University.

4.30: Sports results and close down.

5.0: Children, by "Skipper."

#### Dinner Music.

6.0: Vienna Philharmonic Orchestra, "Morning, Noon and Night in Vienna" (Suppe). The Palladium Orchestra, "The Grasshoppers' Dance" (Bucalossi). New Symphony Orchestra, "Le Cid Ballet Music" (Massenet): (1) "Castillane"; (2) "Aubade"; (3) "Andalouse"; (4) "Arragonaise"; (5) "Madrilene"; (6) "Navarraise."

6.25: New Mayfair Orchestra, "Love Lies" Selection. New Light Symphony Orchestra, "Persiflage" (Frances). H.M. Coldstream Guards' Band, "The Belle of New York" Selections (Kerker). Marek Weber and His Orchestra, "Lehariana" (Geiger).

6.44: The Palladium Orchestra, "La Siesta—Barcarolle" (Norton, arr. Lotter). New Mayfair Orchestra, "Five O'Clock Girl" Selection. New Light Symphony Orchestra, "Scene de Ballet—Marionettes" (Glazounov). H.M. Coldstream Guards' Band, "The Geisha" Selection (Jones).

7.0: News and reports.

7.30: W.E.A. Session: H. C. Becroft, M.A., "Psychology To-day—The Great Mystery."

#### Concert Programme.

8.0: Chimes. Recording, Band Garde Republicaine, France, "The Two Pigeons" (Messenger).

8.9: Soprano, Valerie Peacocke, "It is Destiny" (Strauss); "Lullaby" (Borghioli).

8.16: Recording (Organ), Leslie Harvey, "Flower of Love" (Ruby).

8.19: March. Selection, 1YA Chamber Orchestra, "Salem Alekum" (Haberl); "Legend Basque" (McQuarrie).

8.28: Baritone, Robert G. Simmers, "When the Night with Stilly Silence" (Robertson); "Land of Delight" (Sanderson).

8.34: Piano, Phyllis Graham, "Clair de Lune"; "Golliwog's Cake Walk" (both by Debussy).

8.39: Two sketches, The Orchestra, "Serenade"; "Romance" (both by Frommel).

8.46: Recording (Yodelling), George van Dusen, "The Yodelling Bullfighter" (Farrell).

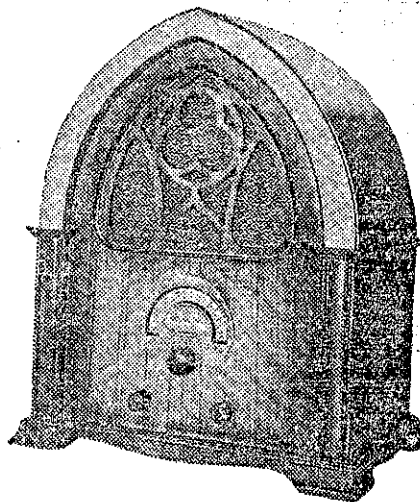
8.49: Soprano, Valerie Peacocke, "I Will Await Thee" (Clarke); "YOUTH HAS A HAPPY END" (Lohr).

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8.55: Recording, B.B.C. Wireless Military Band, "The Black Domino" (Auber).

9.1: Weather forecast and notices.

9.3: Talk, A. B. Chappell, M.A., "Byways of New Zealand Story."

9.18: The Orchestra, "Three Dances from 'Hullo America'" (Finck).

9.26: Recording, Charles Coburn and Company, "An Old Time Sing Song."

9.34: Piano, Phyllis Graham, "Nocturne E Major" (Chopin); "The Butterfly" (Lavalee).

9.40: Baritone, Robert G. Simmers, "The Ship of Rio" (Kael); "What the Red-haired Bo'sun Said" (Harrhy).

9.46: Recording, Billy Leonard and Company, "The Balcony Girl" (Holt).

9.54: The Orchestra, "Ballet from 'The Punch Bowl'" (O'Neill).

**2YA WELLINGTON. 720 kc.**  
Thursday, 16.

10.0: Selected recordings.

10.30: Devotional service.

10.45: Lecturette, "Cooking."

11.37: Lecturette, Representative Health Department, "Health Hints."

12.0: Lunch music.

2.0: Selected recordings.

3.15: Lecturette, Miss I. F. Meadows, "A Talk About Disinfecting." Talk prepared by the Home Science Extension Department of the Otago University.

3.30 and 4.30: Sports results.

5.0: Children, by Uncle George and Big Brother Jack.

#### Dinner Music.

6.0: Berlin State Opera House Orchestra, with Karol Szreter, pianist, "Hungarian Rhapsody No. 2" (Liszt). National Symphony Orchestra, "Spanish Dance in C Minor" (Moszkowski). Zonophone Salon Orchestra, "Simple Aveu" (Thome). Poltronieri String Quartet, "Allegro Con Brio" (Boccherini).

6.18: Victoria Orchestra, "La Serenata—Waltz" (Metra). Gil Dech Ensemble, "Aloha Oe" (arr. Coburn). Organ, Jesse Crawford, "How Am I To Know?" (King). Bournemouth Municipal Orchestra, "Don Giovanni—Act 1—Minuet" (Mozart).

6.31: H.M. Grenadier Guards' Band, "Hyde Park Suite" (Jalowiez). Part 1: (a) "Sunday Morning Church Parade"; (b) "Rotten Row." Part 2: (a) "On the Serpentine"; (b) "Around the Bandstand." The Salon Orchestra, "Chinese Lullaby" (Bowers). Victoria Orchestra, "Espanita—Waltz" (Rosey). New Symphony Orchestra, "Pastoral Dance" from "Neil Gwynn" (German).

6.49: National Symphony Orchestra, "Bolero in D Major" (Moszkowski). Organ, Jesse Crawford, "I'll Close My Eyes to the Rest of the World" (Friend). Bournemouth Municipal Orchestra, "Marriage of Figaro—Fandango" (Mozart).

7.0: News and reports.

7.39: W.E.A. Session, Professor W. H. Gould, "Development and Education—The Third Seven Years."

#### Concert Programme.

8.0: Presentation of "Revuedeille" by the Wellington Operatic and Theatrical Society, relayed from the Concert Chamber of the Wellington Town Hall.

**3YA CHRISTCHURCH. 980 kc.**  
Thursday, 16.

3.0: Gramophone recital.

3.15: Talk, prepared by the Home Science Talk Extension Service of Otago University, "A Talk About Disinfecting."

5.0: Children, by Uncle Frank.

#### Dinner Music.

6.0: Basle Symphony Orchestra, "Rosamunde—Entr'acte No. 2" (Schubert). B.B.C. Wireless Military Band, "Dance of the Tumblers" (Rimsky-Korsakov). J. H. Squire Celeste Octet, "Peter Pan" Selection (Crook).



Mollie Fenton,

contralto, who will present solos and duets, with Mrs. P. Ramsey, from 2YA, on Tuesday, June 14.

—S. P. Andrew, photo.

6.15: Court Symphony Orchestra, "The Windmill Man" Selection. Halle Orchestra, "Capriccio Espagnole" (Rimsky-Korsakov). Organ, Quentin MacLean, "Little Dolly Daydream" (Stuart). Garde Republicaine Band, "The Two Pigeons" (Messenger).

6.45: "The Two Pigeons" (Messenger). Parts 3 and 4. B.B.C. Wireless Military Band, "Golliwog's Cake Walk" (Debussy). Organ, Quentin MacLean, "Lily of Laguna" (Stuart).

7.0: News and reports.

7.30: Talk, under auspices of New Zealand Forestry League, Chas. H. Foweraker, "Forestry."

#### Concert Programme of Recordings.

8.0: Paul Abraham and His Orchestra, "Viktoria and Her Hussar" (Abraham).

8.8: Dialogue, Elsie and Doris Waters, "Bert and Daisy Out of Sorts" (Waters).

8.11: Massed Military Bands, "March Indienne" (Sellenick).

8.14: Male Choir, Don Cossacks, "Evening Bells" (arr. Jaroff).

8.18: Cello, Orabio de Castro, "At the Fountain" (Davidoff).

8.22: Soprano, Elizabeth Feuge Frederick, "Elizabeth's Greetings" (Wagner).

8.26: Organ, Eddie Horton, "Sunrise" (Merton).

8.29: Humour, Tommy Handley, "Bon Motors."

8.35: Yodelling, Kalamas Quartet, "Wahine Ui."

8.38: Vocal, Des Tooley, "Delishious" (Gershwin).

8.41: Tango, Barnabas von Geczy and His Orchestra, "Softly, as in a Morning Sunrise" (Romberg).

8.44: Band of H.M. Royal Air Force, "Songs of Britain" (Traditional).

8.52: Tenor, Richard Tauber, "The Water Course" "Looking Backward" (both by Schubert).

8.58: Odeon Dance Orchestra, "Enlolia du Hasnen Schwips" (Ehrhard).

9.1: Weather forecast and notices.

9.3: Talk, Professor L. G. Pocock, "The Collapse of Civilisation."

9.16: Grand Symphony Orchestra, "Waldteufel Memories" (arr. King).

9.26: Medley, The Jolly Old Fellows, "Drinking Songs."

9.32: Frank Westfield's Orchestra, "Pot-pourri of Famous Airs" (arr. Tilsley).

9.38: Vocal, Des Tooley, "Blah! Blah! Blah!" (Gershwin).

9.41: Waltz, Von Geczy and His Orchestra, "One Kiss" (Romberg).

9.44: Debroy Somers Band, "War Marching Songs."

9.52: Waltz, New Concert Orchestra, "Vienna Maidens" (Ziehrer).

9.56: Dialogue, Elsie and Doris Waters, "Hiccups" (Waters).

9.59: March, Massed Military Band, "Distant Greeting" (Doring).

## Friday [June 17]

**1YA AUCKLAND. 902 kc.**  
Friday, 17.

12.30: Relay from the Lewis Eady Hall of Community Singing.

3.0: Selected recordings and literary selection.

4.30: Sports results.

5.0: Children, by Uncle Nod and Aunt Dorothea.

#### Dinner Music.

6.0: Berlin State Opera House Orchestra, "The Magic Flute Overture" (Mozart). Sandor Joszi Orchestra, "Polo" (Petrus). Berlin State Opera House Orchestra, "Slavonic Dances, Nos. 1 and 2" (Dvorak).

6.17: Frank Westfield's Orchestra, "Our Miss Gibbs" Selection (Monckton). Philadelphia Symphony Orchestra, "Carmen—Soldiers' Changing the Guard" (Bizet). Major Bowes' Capitol Theatre Trio, "Pale Moon" (Logan). Orchestra Opera Comique, Paris, "Manon—Ballet Music" (Massenet).

6.38: Berlin State Opera House Orchestra, "From Foreign Parts"—"Spain" and "Hungary" (Moszkowski). Major Bowes' Capitol Theatre Trio, "My Isle of Golden Dreams" (Blaufuss). Sandor Joszi Orchestra, "Marionette's Wedding March" (Rathie).

6.48: Frank Westfield's Orchestra, "The New Sullivan Selection" (arr. Godfrey). Philadelphia Symphony Orchestra, "Carmen—March of the Smugglers" (Bizet).

7.0: News and reports.

7.30: Sports talk.

#### Concert Programme.

8.0: Recording, B.B.C. Wireless Symphony Orchestra, "Aida" (a) Grand March, (b) Selection (Verdi).

8.9: Tenor, Leslie Belcher, "An Evening Song" (Blumenthal); "Fairings" (Martin).

8.15: Trio, Moore Sisters, "Romance"; "Duett" (both by Schumann).

8.21: Recording, Kanawa Singers, "Keep in de Middle of de Road" (Hays).

8.24: Character Study, J. W. Bailey, "Daniel Peggotty" (Dickens).

8.31: Instrumental, Meredith's Adelpians, "Fall in and Follow the Band"; "Sally" (both by Towers); "Yes, Yes" (Friend).

8.39: Recording, Band of H.M. Grenadier Guards, "Country Dance" (German).

8.42: Piano and Vocal, Sybil and Eric, "One Heavenly Night" (Brown). Piano, Eric Bell, "Mean to Me" (Turk).

8.49: Trio, Moore Sisters, "Allegretto

Giocoso" (Neilson). Violin, Ida Moore, "Romance" (Wieniawski).

8.56: Recording, Paul Whiteman and His Orchestra, "Gipsy" (Gilbert).

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Tenor, Leslie Belcher, "The Minstrel Boy" (Traditional); "I Heard You Singing" (Coates).

9.23: Instrumental, Meredith's Adelpians, "A Happy Landing," "Dance Until the Dawn" (both by De Sylva); "Bend Down, Sister" (Conrad).

9.31: Sketch, The Baileys, "Mrs. Corney's Tea Party" (Dickens).

9.42: Cello, Winifred Moore, "Rustic Dance" (Squire). Trio, Moore Sisters, "Chant Sans Paroles" (Tchaikowsky).

9.49: Recording, De Reszke Singers, "My Lady Chlo" (Leighter).

9.52: Vocal and Piano, Sybil and Eric, "One Kiss" (Romberg); "Dance Away the Night" (Brown).

9.58: Recording, National Military Band, "Belphegor" (Brepnant).

**2YA WELLINGTON. 720 kc.**  
Friday, 17.

10.0: Selected recordings.

10.30: Devotional service.

11.12: Lecturette, "Fashions."

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by "Tweedledum."

#### Dinner Music.

6.0: Milan Symphony Orchestra, "Masaniello Overture" (Auber). Symphony Orchestra, "Artist's Life" (Strauss). Organ, Stanley MacDonald, "The Rosary" (Nevin). Kirilloff's Balalaika Orchestra, "Medley of Old Time Songs." National Symphony Orchestra, "Turkey in the Straw."

6.22: London Palladium Orchestra, "Maid of the Mountains" Waltz (Fraser-Simson). De Groot and His Orchestra, "Under the Roofs of Paris" (Moretti). Piccadilly Orchestra, "Souvenir di Capri" (Bece). Jacques Jacobs' Ensemble, "Espana Waltz" (Waldteufel). Columbia Symphony Orchestra, "The Flatterer" (Chaminade).

6.39: J. H. Squire Celeste Octet, "An Old Church Legend—Intermezzo" (Trinon). Dajos Bela String Orchestra, "Goldregen" (Waldteufel). Organ, Stanley MacDonald, "La Rosita" (Dupont). Columbia Symphony Orchestra, "March of the Toys" (Herbert).

6.52: National Symphony Orchestra, "The Irish Washerwoman." Jacques Jacobs' Ensemble, "L'Estudiantina" Waltz (Waldteufel).

7.0: News and reports.

7.40: Lecturette, J. M. Coleman, "Talk on Soccer Football."

#### Concert Programme.

8.0: Thirty Minutes of Selected Recordings.

8.30: Overture, 2YA Concert Orchestra (Conductor, Leon de Mauny), "Euryanthe" (Weber).

8.37: Baritone, S. Evelyn Rodger, "Song of the Waggoner" (Breville Smith); "The Road That Leads to You" (Geehl).

8.43: Selection, 2YA Concert Orchestra, "Les Contes d'Hoffman" (Offenbach).

8.53: Baritone, S. Evelyn Rodger, "God's Earth and Thee" (Nichols); "Mate of Mine" (Elliott).

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Valse, 2YA Concert Orchestra, "Wine, Woman and Song" (Strauss).

9.30: Dance programme.



**3YA CHRISTCHURCH.** 980 kc.  
Friday, 17.

- 3.0: Gramophone recital.  
4.30: Sports results.  
5.0: Children, by "Uncle Jim."

**Dinner Music.**

6.0: London Theatre Orchestra, "A Country Girl Selection" (Monckton). Organ, G. T. Pattman, "Cinderella—Waltz" (Pattman). Band of H.M. Grenadier Guards, "Ivanhoe—Selection" (Sullivan, arr. Godfrey). J. H. Squire Celeste Octet, "The Piccaninnies' Picnic" (Squire). Ketelbey's Concert Orchestra, "Wedgwood Blue" (Ketelbey).

6.25: Orchestre de la Societe des Concerts du Conservatoire, Paris, "Les Ronet D'Omphale" (Saint-Saens). Organ, G. T. Pattman, "Alice, Where Art Thou?" (Trdtl.). London Theatre Orchestra, "Maid of the Mountains" Selection (Fraser-Simson).

6.44: J. H. Squire Celeste Octet, "Twilight on the Waters" (Squire). Ketelbey's Concert Orchestra, "The Clock and the Dresden Figures" (Ketelbey). Regal Cinema Orchestra, "Show of Shows—Selection."

7.0: News and reports.

7.30: W.E.A. Session: L. C. Webb, M.A., "Political Institutions of New Zealand" (No. 4).

**Concert Programme.**

8.0: Selection, Christchurch Salon Orchestra, "Virginia" (Wood).

8.10: The Dulcet Quartette, "Where My Caravan Has Rested" (Lohr). Baritone, A. G. Thompson, "Collette" (Harry).

8.15: Intermezzo, Salon Orchestra, "Valse Triste" (Sibelius); "Gavotte from Mignon" (Thomas).

8.24: Soprano, Mrs. W. B. Harris, "Come Mary, Take Comfort" (Wolf). Tenor, Ernest Rogers, "The English Rose" (German).

8.30: Thirty Minutes of Selected Recordings.

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Suite, Salon Orchestra, "Bagatelle"; "Melody"; "Valse" (Somerville).

9.26: Vocal, Dulcet Quartette, "Come to the Fair" (Martin). Baritone, A. G. Thompson, "Thinking of Mary" (Bennett); "Standing By" (Pawley).

9.34: Recording (Piano), Raie da Costa, "Do That Heebie-Jeebie" (Pola).

9.37: Contralto, Nellie Lowe, "Oh, Beautiful Star" (Kellie); "A Song O'er the Hill" (Ireland). Tenor, Ernest Rogers, "Absent Yet Present" (M. V. White).

9.43: Salon Orchestra, Two Gipsy Songs "I Chant My Lay"; "The Old Mother" (both by Dvorak).

9.50: Soprano, Mrs. W. B. Harris, "Love I Have Won You" (Ronald). Baritone, A. G. Thompson, "Our Old Village" (Bennett).

9.57: Recording (Harp), John Cockrell, "The Rustle of Spring" (Sinding).

10.0: Dulcet Quartette, "Good Night Beloved" (Pinsuti).

10.3: Recording, Military Band, "The Guards' Patrol" (Williams).

**4YA DUNEDIN.** 650 kc.  
Friday, 17.

- 3.0: Selected recordings.  
4.30: Sports results.  
5.0: Children, by Aunt Sheila.

**Dinner Music.**

6.0: Menorah Symphony Orchestra, "Shulamith" Selection (Goldfaden). G. Amers and the Eastbourne Municipal Orchestra, "Second Serenata" (Toselli, arr. Geehl). Zurich Tonhalle Orchestra, "Andante" (Mozart).

**Lilian Quinn,**

a talented Auckland pianist, who has recently returned after over two years' study in Sydney, where on several occasions she broadcast from 2FC. She will be heard from 1YA on Sunday, June 12.

—Crown Studios, photo.

6.14: Halle Orchestra, "Rosamunde Ballet Music" (Schubert): (1) "Andantino." (2) "Allegro Moderato and Andante." Dajos Bela Orchestra, "Viennese Waltz Pot-pourri" (Robrecht).

6.30: Bournemouth Municipal Orchestra, "Echoes of the Valley" (Gennin). Grand Symphony Orchestra, "Midsummer Night's Dream" Scherzo (Mendelssohn). De Groot and His Orchestra "Tyna" (Rubens). Eastbourne Municipal Orchestra, "Tarantelle" (Saint-Saens).

6.45: Zurich Tonhalle Orchestra, "Gavotte from 'Idomeneo'" (Mozart). Menorah Symphony Orchestra, "Bar Kochba" Selection (Goldfaden). Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).

7.0: News and reports.

7.30: W.E.A. Session, Lloyd Ross, M.A., "Economic Plans"—The American Plan (third of series).

**Concert Programme.**

8.0: Recording, Jack Hylton and His Orchestra, "Old-time Sea Songs."

8.8: Choruses, The Majors, "All Down Piccadilly"; "Plant Your Posies" (both by Monckton).

8.15: Quadrilles, Daggs Band, "Old Melodies" (arr. Daggs).

8.28: Recording (Humour), Elsie and Doris Waters, "Hiccups"; "Gert and Daisy Out of Sorts" (both by Waters).

8.33: Solo and Chorus, The Majors, "Ka-lu-a"; "Dancing Time" (both by Kern).

8.40: Waltz, Daggs Band, "Melodies of Bygone Days" (arr. Daggs).

8.48: Soprano, Freda Elmes, "One Morning Very Early" (Sanderson); "The Last Rose of Summer" (Moore).

8.54: Recording (Piano), Leslie Hutchinson, "Time On My Hands"; "I'm Glad I Waited" (both by Youmans).

9.0: Weather report and notices.

9.2: Reserved.

9.17: Lancers, Daggs Band, "Other Days" (arr. Daggs).

9.30: Chorus and Solo, The Majors, "When a Man is Twenty-one"; "The Purity Brigade" (both by Kerker).

9.37: Recording (Humour), Burns and Allen, "Dizzy" (Burns).

9.43: Medley, Daggs Band, "Valse of Vienna," "Polka," "Barn Dance," "Schottische" (all arr. Daggs).

9.53: Solo and Chorus, The Majors, "In a Gondola"; "Oh, Listen to the Band" (both by Monckton).

9.58: Waltz, Daggs Band, "Scottish Airs" (arr. Daggs).

9.2: A Sea Story, "Le Fore Brace," "My Chinese Shipmates."

9.22: Suite, The Orchestra, "El Toserio": (a) "March Espagnole," (b) "La Catalane," (c) "Bolero," (d) "Habenera" (Barbot).

9.32: Baritone, Peter Dawson, "A West Country Courtin'" (O'Reilly); "Buttercup Joe" (Traditional).

9.38: Recording, Kalama's Quartet, "Hawaiian Girl o' Mine" (Noble); "Ohu-ohu Oahu."

9.44: Humour, A. L. Lister, "The Cup."

9.49: Recording, Aileen Stanley, "Swingin' in a Hammock" (Seymour).

9.52: Selection, The Orchestra, "H.M.S. Pinafore" (Sullivan).

10.0: Sports summary.

10.10: Dance music.

**2YA WELLINGTON.** 720 kc.  
Saturday, 18.

3.0: Relay description of Rugby Football Match from Athletic Park.

5.0: Children, by Aunt Molly and Uncle Jasper.

**Dinner music.**

6.0: Sydney Baynes and His Orchestra, "Old England—Selection" (arr. Baynes). Marek Weber and His Orchestra, "Along the Banks of the Volga" (Borchert). B.B.C. Wireless Symphony Orchestra, "Iolanthe—Selection" (Sullivan).

6.18: De Groot and His Orchestra "In the Night" (Tate). International Novelty Quartet, "Dwarf's Patrol" (Rothke). Classic Symphony Orchestra, "Carmen—Selection" (Bizet).

6.33: Salon Orchestra, "Reminiscences of Vienna" (Strauss). Sydney Baynes and His Orchestra, "Kentucky Home—Selection" (arr. Baynes). Organ, Sigmundo del Oro, "Mexicali Rose" (Stone-Tenney).

6.48: Orchestra Mascotte, "The Gipsy Princess—Waltz" (Kalman). The Salon Orchestra, "Where the Rainbow Ends—Selection" (Quilter).

7.0: News and reports.

7.30: W.E.A. Session: Dr. Ian Henning, "The Mind of Post-War Europe—Russia."

**Concert Programme.**

8.0: Overture, 2YA Concert Orchestra (Conductor, Mr. Leon de Mauny), "Poet and Peasant" (Suppe).

8.10: Songs at the piano, Muriel Johns, "Home" (Clarkson); "River, Stay 'Way From My Door" (Woods).

8.16: Recording, Layton and Johnstone, "Who Am I?" (Clifford); "Close Your Eyes" (Tament).

8.22: Moreau, 2YA Concert Orchestra, "La Voix des Cloches" (Lu'gini).

8.29: Tenor, Les Stapp, "Spring Sor-row" (Ireland); "Fairings" (Martin).

8.35: Recording, Tommy Hanley and Co., "The Dis-Orderly Room" (Blere).

**Saturday**  
[June 18]**1YA AUCKLAND.** 902 kc.  
Saturday, 18.

2.45: Relay of description of Rugby Football from Eden Park.

4.55: Sports results.

5.0: Children, by Cinderella.

**Dinner Music.**

6.0: Royal Opera Orchestra, "Sylvia Ballet—Pizzicato and Procession of Bacchus" (Delibes). New Light Symphony Orchestra, "Spanish Dance, No. 1" (Moszkowski). John Barbirolli's Chamber Orchestra, "A Little Night Music"—Serenade (Mozart).

6.24: Royal Opera Orchestra, "The Sleeping Beauty" (Tchaikowsky). Marek Weber and His Orchestra, "The Beggar Student" Selection (Millocker).

6.36: H.M. Coldstream Guards Band, "La Fille de Madame Angot" Selection (Lecocq). New Light Symphony Orchestra, "Spanish Serenade" (Bizet). Marek Weber and His Orchestra, "Faust" Selection (Gounod, arr. Weber).

6.54: Royal Opera Orchestra, "Shepherd Fennel's Dance" (Balfour Gardiner).

7.0: News and reports.

7.40: Lecturette, under the auspices of the Auckland Horticultural Society, Hayward Wright, "Citrus."

**Concert Programme.**

8.0: Recording, Band of H.M. Coldstream Guards, "Raymond Overture" (Thomas).

8.5: Soprano, Winifred Osborne, "A May Morning" (Denza); "The Silver Ring" (Chaminade).

8.11: Concertina, Robert McKnight, Fantasia on "Home, Sweet Home" (Farmer).

8.16: Recording, Helen Kane, "I Have to Have You" (Robin).

8.19: March, 1YA Chamber Orchestra, "Entry of the Boys" (Halvorsen). Overture, "Carnival" (Guirand).

8.28: Baritone, Peter Dawson, "The Grey Watch" (O'Reilly); "Yeomen of England" (German).

8.34: Humour, A. L. Lister, "The Fire-fighters."

8.39: Waltz, The Orchestra, "Wine, Women and Song" (Strauss).

8.47: Soprano, Mrs. Winifred Osborne, "Down the Vale" (Moir); "Buy My Roses" (Teschemaker).

8.52: Recording, Columbia Light Opera Company, "Iran Caryll Memories" (Caryll).

9.0: Weather forecast and notices.

**Jensen**  
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DYNAMIC SPEAKERS  
ARE SUPERIOR

**8.41:** Selection, 2YA Concert Orchestra, "The Gondoliers" (Sullivan).  
**8.54:** Recording, Sir Harry Lauder, "She is Ma Daisy"; "Rising Early in the Morning" (both by Lauder).  
**9.0:** Weather report and notices.  
**9.2:** Lecturette, Mark Nicholls, "International Matches I Will Never Forget" (second talk).  
**9.17:** Valse, 2YA Concert Orchestra, Valse from "The Sleeping Beauty Ballet" (Tchaikowsky).  
**9.24:** Songs at the piano, Muriel Johns, "How the Time Can Fly" (Donald); "That's What Put the Sweet in Home, Sweet Home" (Newman).  
**9.30:** Recording, The Maestros, "By all the Stars Above You" (O'Hara); "Hurt" (Solomon).  
**9.36:** Minuet, 2YA Concert Orchestra, "Minuet" (Mozart).  
**9.41:** Tenor, Les Stapp, "Love You Have Made Me a Garden" (Thompson); "Moonlight" (Quilter).  
**9.47:** Recording (Humour), The Dookeys, "An Old-Time Cross Patter Act" (Wood).  
**9.55:** Two-step, 2YA Concert Orchestra, "Handel Wakes" (Morressy).  
**10.0:** Sporting summary.  
**10.10:** Dance programme.

### 3YA CHRISTCHURCH. 980 kc. Saturday, 18.

**8.0:** Gramophone recital.  
**5.0:** Children, by "Aunt Pat" and "Uncle Charlie."

#### Dinner Music.

**6.0:** The Parlophone Salon Orchestra, "A Lover in Damascus" (Woodford-Finden). Dajos Bela Orchestra, "Russian Fantasia" (Lange). "Faust—Waltz" (Gounod).  
**6.15:** Dajos Bela Orchestra, "I Pagliacci—Selection" (Leoncavallo). Edith Lorand Orchestra, "Hedgeroses" (Lehar). Ernest Leggett London Octet, "Operatic Fantasia" (arr. Aldington).  
**6.34:** Dajos Bela Orchestra, "The Swallows" Waltz (Strauss). La Argentina, Castanets with Orchestra, "Dance No. 5" (Granados). Dajos Bela Orchestra, "Fantasia Orientale" (Lange). "Viennese Waltz Potpourri" (arr. Robert). La Argentina, Castanets with Orchestra, "La Corrida" (The Bull Fight) (Valverde). Edith Lorand Orchestra, "O Maiden, My Maiden" (Lehar).  
**7.0:** News and reports.

#### Concert Programme.

**8.0:** Relay of programme from 4YA, Dunedin.  
**10.0:** Sports summary.  
**10.10:** Dance music.

### 4YA DUNEDIN. 650 kc. Saturday, 18.

**1.15:** Relay. Description of Rugby Football from Carisbrook Ground.  
**4.30:** Sports results.  
**5.0:** Children, by Aunt Anita.

#### Dinner Music.

**6.0:** Berlin State Opera House Orchestra, "Academic Festival" Overture (Brahms). Opera Comique Orchestra, "Scenes Pittoresques"—March and Fete Boheme" (Massenet).  
**6.16:** Berlin State Opera House Orchestra, "Slavonic Dances, Nos. 8 and 16" (Dvorak). "Christmas Concerto" (Corelli).

**6.39:** Edith Lorand Orchestra, "Toreador and Andalous" (Rubinstein). Berlin State Opera House Orchestra, "La Traviata" Prelude (Verdi).  
**6.45:** Dajos Bela Orchestra, "Strauss, the Waltz King, at Home" (Weber). Edith Lorand Orchestra, "Minuet" (Boccherini).  
**7.0:** News and reports.

#### Concert Programme.

**8.0:** Recording, Debroy Somers Band, "Review of Revues."



Malcolm Miller

who will contribute bass-baritone solos to 4YA's concert programme for Monday, June 13.

**8.8:** Choruses, The Dunedin Glee Singers, "Here's a Health Unto His Majesty" (Savile); "There's a Land" (Allitsen).  
**8.15:** Selection, Mon. de Rose and His Octet, "The Blue Kitten" (Frml).  
**8.26:** Humour, W. B. Lambert, "He Played His Ukulele as the Ship Went Down" (Le Clerq).  
**8.31:** Recording (Accordion), William Hannah, "Gordon Schottische"; "The Black Watch" (both by Hannah).  
**8.36:** Part-songs, Dunedin Glee Singers, "The Bells of St. Michael's Tower" (Stewart); "Londonderry Air" (Trdtl.).  
**8.43:** Selection, The Octet, "Flying High" (de Sylva).  
**8.53:** Recording (Yodelling), George van Dusen, "The Yodelling Chinaman" (Farrell).  
**9.0:** Weather report and notices.  
**9.2:** Reserved.  
**9.17:** Recording, Van Phillips and His Concert Band, "Maurice Chevalier Songs".  
**9.25:** Part-song, The Dunedin Glee Singers, "The Campbells are Coming" (Traditional, arr. Mansfield).  
**9.29:** Selection, The Octet, "Tango Argentine—Alba de Amor" (Ponce); "The Phantom Brigade" (Myddleton).  
**9.37:** Humour, W. B. Lambert, "Arrah Wanna" (Coles).  
**9.43:** Choruses, The Dunedin Glee Singers, "Soldiers' Chorus" (Gounod); "As Torrents in Summer" (Elgar).  
**9.49:** Waltz, The Octet, "The Skaters" (Waldteufel).  
**9.56:** Solo and Chorus, The Dunedin Glee Singers, "Land of Hope and Glory" (Elgar).  
**10.0:** Sports summary.  
**10.10:** Dance music.

## PRIVATE STATION :: PROGRAMMES ::

### 1ZR Notes

"FUN for All" was the title of the broadcast from 1ZR last Thursday evening, the Vacuum Oil Company's programme. Stan Asquith, a prominent radio artist, kept the fun going, and with Bill Hindman (Sports Announcer), Jack Lyon and Raymond Reeve to support him there was no chance for a dull moment. The novelty appeal always finds a response with listeners who welcome a departure from the well-worn grooves of convention, and so it was on this occasion. Stories, jokes and humorous sketches accounted for the greater part of the entertainment, but sandwiched in were musical numbers by well-known Auckland talent. It was voted a real "He-man" party, and a repetition of a similar nature is already being planned in response to requests of listeners.

### 1ZR Programmes

Friday, June 10.—10.30 a.m.: Devotional service—Uncle Scrim. 11.15: Mr. W. Anderson. 5.0: Dinner music. 6.0: Children's session—Uncle Cam and Fairy Princess. 7.0: Mr. Bill Hindman—"Sport." 7.30: Relay of Community Singing from Lewis Eady Hall. Song Leader, Vernon Drew. 9.0-10.0 p.m.: Aunts Ruth and Nina—Studio Concert.  
 Saturday, June 11.—10.30 a.m.: Devotional service—Rev. Strand. 1.30 p.m.: Close down. 5.0: Dinner music. 6.0: Children's session—Polly Flinders and Jack the Giant-Killer. 7.15: Junior Chamber of Commerce. 8.0: Musical. 10.0-11.0 p.m.: Dance music.

Sunday, June 12.—9.0 a.m.: Uncle Tom's children's service. 9.45: Uncle Scrim conducting the studio church service with 1ZR Broadcasting Choir under direction of J. Whitley McElwain. 6.0: Music. 6.15: Miss Baker's Church of England children's service. 7.0: Relay of Mr. A. H. Dallimore's mission service from East Street Hall. 9.0-4.30 p.m.: "The Man Who Speaks."

Monday, June 13.—10.30 a.m.: Devotional service—Mr. Garner. 11.15: "Maoriland"—"Titbits." 2.0 p.m.: Close down. 5.0: Dinner music. 6.0: Children's session—Gollocks and Uncle Bern. 7.0-7.30 p.m.: Music.

Tuesday, June 14.—10.30 a.m.: Devotional service—Uncle Scrim. 11.15: Madame Milne—"Diet and Health." 2.0 p.m.: Close down. 5.0: Dinner music. 6.0: Children's session—Aunts Ruth and Nina and Uncle Scrim. 8.0-10.0 p.m.: Sargood's Orchestra Concert relay from Lewis Eady Hall.

Wednesday, June 15.—10.30 a.m.: Devotional service—Uncle Scrim. 11.15: Dr. Violet Hastings. 2.0: Close down. 5.0: Dinner music. 6.0: Children's session—Miss Muffett. 7.15-8.0 p.m.: Rev. Jasper Calder—"My Museum of Crime."

Thursday, June 16.—10.30 a.m.: Devotional service—Uncle Scrim. 11.15: Mr. W. J. Lyon. 2.0 p.m.: Close down. 5.0: Dinner music. 6.0: Children's session—Wendy. 7.15. Mr. H. R. Rodwell—"Economics." 8.0: Vacuum Oil Co.'s programme. 10.0-11.0 p.m.: Dance session.

### 2ZW Programmes

Monday, June 13.—10.0 a.m.: Devotional service. 10.15 to 12: Women's

session. 12 to 2: Mid-day band and orchestral programme. 7 to 8: After-dinner music and lecturette. 8 to 10: Light popular programme. 10.11: Dance session.

Tuesday, June 14.—10 a.m.: Devotional service. 10.15 to 12: Women's session. 12 to 2: Mid-day band and orchestral programme. 7 to 8: After-dinner music and lecturette. 8 to 9: Vacuum Oil Company's concert. 9 to 11: Vacuum Oil Company's dance session.

Wednesday, June 15.—10 a.m.: Devotional service. 10.15 to 12: Women's session. 12 to 2: Mid-day band and orchestra programme. 5 to 6: 2ZW children's hour. 7 to 8: After-dinner music and lecturette. 8 to 8.30: The Ipana Toothpaste Merry-makers. 8.30 to 10: Light popular programme. 10 to 11: Dance band relayed from Majestic Restaurant.

Thursday, June 16.—10 a.m.: Devotional service. 10.15 to 12: Women's session. 12 to 2: Mid-day band and orchestral programmes. 3 to 4: Relay from Kirkcaldie and Stain's tea-room, including lecturette. 5 to 6: Kirkcaldie and Stain's Children's Hour—"Lady Bird and Uncle Kirk." 7 to 8: After-dinner music and lecturette. 8 to 10: Kirkcaldie and Stain's studio concert. 10 to 11: Dance session.

Friday, June 17.—Silent day.  
 Saturday, June 18.—10 a.m.: Devotional service. 10.15 to 12: Women's session. 12 to 2: Mid-day band and orchestral programmes. 7 to 8: After-dinner music, including lecturette. 8 to 10: Light popular programme. 10 to 12: Dance band relayed from Majestic Restaurant.

Sunday, June 19.—11 a.m.: Devotional service. 6.30 p.m.: Eventide music. 7: Relay of evening service from St. Paul's Pro-Cathedral. 8.15 to 10: Gems from the masters.

### World Radio News

THE public address system installed in St. Peter's at Rome now includes twelve moving-coil loudspeakers with six microphones distributed at different parts of the building. These microphones can also be connected directly to the Vatican short-wave station, so that services in the Cathedral can be broadcast all over the world.

IN an attempt to beat Professor Piccard's altitude record, two Australian engineers will shortly make an ascent in a balloon of their own construction. The aeronauts propose to equip it with transmitting apparatus, in order to broadcast details of their flight.

### I.C.S. RADIO STUDENTS ARE RADIO'S LEADERS!

Mr. J. W. S. Stannage, the wireless operator who accompanied Kingsford Smith on his flight across the Atlantic and Tasman, is an I.C.S. Student. The I.C.S. Radio Courses give that PRACTICAL instruction that alone ensures success, and are kept up-to-date with regard to the modern application of principles by means of special Radio Bulletins issued as supplementary instruction papers. Write for details and illustrated literature to:—

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THE specific application of this spiritual heritage and its attendant prestige to New Zealand must be apparent to the meanest intellect. It is almost superfluous to catalogue the advantages of our Imperial connection and enumerate our obligations to the Motherland—but let us try.

## Empire Day and what it Signifies

(Concluded from last week.)

1. **ETHIC OF EMPIRE.** Participation in the unique spiritual patrimony which vindicates in the world of civilisation the basic principles of liberty, equity and tolerance.

2. **BRITISH CITIZENSHIP.** Citizenship of the British Empire—carrying with it respect and deference all over the world.

3. **SECURITY.** Protection by the Royal Navy—the sure shield of Empire—a protection which rendered possible the exploration, charting, colonisation, and development of New Zealand, and has maintained its existence ever since. We have never defrayed more than a mere fraction of the cost of this naval protection.

4. **TRADE INSURANCE.** The safeguarding of all trade routes by the British Navy. Our protection from enemies, the policing of the seas, and eradication of piracy.

5. **MARKET.** The privilege of the greatest, most stable, and most honestly conducted market in the world for our primary produce, which transcendent privilege surely entails on our part the obligation of reciprocating by according real and substantial preferential treatment to British manufacturers.

6. **FINANCE.** The provision of money on safer and far cheaper terms than are procurable elsewhere in the world.

7. **DIPLOMATIC SERVICES.** The privilege of utilising the world wide diplomatic and consular services of Great Britain.

8. **EMPIRE MARKETING BOARD.** The privilege of the Empire Marketing Board, which not only gives by its publicity campaigns preference to Colonial produce, but, by munificent expenditure in scientific research throughout the Empire, facilitates by expert advice the development of our national resources without the slightest expense to ourselves. For instance, the Cawthorn Institute (Nelson) has received a subscription of £2000 a year for several years. Expert advice is provided for all primary industries, and valuable bulletins and reports are always available.

9. **INTER-IMPERIAL CONSULTATION.** Through inter-Imperial consultative machinery the receipt of confidential information of the highest importance in regard to international developments and foreign policy, trade, and general matters.

10. **EXPERT GUIDANCE.** The immediate accessibility of expert advice and co-operation in connection with governmental, financial, and cultural matters in the Dominion.

11. **LAW.** Judicial Committees of the Privy Council—the most authoritative tribunal in the world—available for law appeals. The inestimable boon of law, swift, just, inexorable, without reck or heed of pelf or power.

12. **PAKEHA AND MAORI.** The present happy relation between Pakeha and Maori and the full admission of the Maori to social and political rights, are the outcome of the Treaty of Waitangi (1840)—another instance of the dual mandate of the Empire so signally discharged by British Colonial Administration.

13. **SPORTSMANSHIP.** Standards of British sportsmanship in our life—Britain has taught us to honour the game before the prize, to play the game for the game's sake, to be modest in victory, generous in defeat, and chivalrous to foes.

14. **EDUCATION.** In the vital sphere of education, Britain has taught us the lesson of efficiency as against superficiality and of culture as against a trade-mark. From Britain we have learnt that education is primarily an affair of the spirit, and that its great objective is character.

15. **GOVERNMENT.** In the province of government we have adopted British standards of integrity and service which are unique in the world. The incorruptibility of British political life has set the highest standard in the world as an exemplar to the Dominions. British integrity and British respect for law and order are proverbial, and have set a fine tradition for the Dominions.

16. **JOURNALISM.** New Zealand journalism has adopted the best British standards. The tone of our Press is clean, wholesome, and of good intellectual standard.

17. **HOME LIFE.** The Motherland links us to her by the white bond of a pure home life and high family ideals.

18. **IN ART AND LITERATURE** our ideals and standards are moulded on British patterns, and our spiritual kinship with the Motherland is forever vitalised by this communion. It must never be forgotten that English poetry in variety, richness, and inspiration, is the greatest body of verse ever produced in the world, and bears irrefutable evidence to the idealism of the race.

### British Character.

AMONG most recent appraisement of British character are those of the Right Hon. H. A. L. Fisher and Mr. Justice Denis Murphy, who agree on the following outstanding points:—Innate love of order and respect for law; passion for individual liberty and rights; broad tolerance and sense of humour; efficiency and thoroughness; congenital incapacity to recognise defeat; spirit of compromise; sportsmanship and sense of fair play; commonsense and pragmatic attitude to life.

These are the qualities of character that have built up an Empire which defies logical analysis and is an enigma to outsiders, but for generations has been a terror to tyrants, a safe asylum to the persecuted, a protection to the weak, and the charter party of individual freedom.

As we review this summary we must endorse the statement of the London "Times" that "Nothing in our education can compare in importance with the firing of the mind of our pupils with some such conception of the greatness of the British Empire as will breed in them a pride therein and a sense of joyous loyalty thereto. To instil into a boy's mind a pride and love of his country, and to give him a knowledge of the greatness and inner meaning of the British Empire, should be the first duty of every school and

every master, and to assure himself that this is being done, should be the first duty of every parent."

The Motherland, steeped in beauty rich in the history of four thousand years, calls to us with deathless memories of a rare breed of men. Her epic story falls in splendour about our path. Her deeds quicken our steps when they lag or falter. Her courage helps us to walk uprightly in the pure light of undying faith. We feel our hearts burn by the way as we ponder these high things.

Remembering this Empire embraces five hundred millions of people and comprises one quarter of the earth's surface. We grant that in relative strength of armaments, Britain to-day has not the marginal supremacy of old. She has forfeited willingly her old policy of masterly aloofness, of splendid isolation. She has fully realised the new era wherein moral and intellectual greatness are superseding force. Her greatness is such, her potentialities so vast, that she can afford to take risks for world peace.

A recent issue of the American journal "Commerce and Finance," which has a high reputation for ability, contained the following comment:—

"Britain affords an example of indomitable courage, and plays her role in a fashion that compels the world's acclaim. In the present universal depression, her example is an inspiration to a world that might have been excused for being downhearted. Her taxation has been increased to a degree besides which our own is comparatively insignificant. By the war, her national debt has increased more than tenfold.

"Yet despite these adversities the British people have carried on with the doggedness and fidelity of purpose ever associated with the national name and tradition. Repair and reconstruction have been maintained by the extraordinary vitality and resourcefulness of the nation. Britain is still probably the richest country per capita in the world."

In the words of the Prime Minister at Quebec during the last visit of the delegates of the Parliaments of the Empire to Quebec:—

"We are in our own house masters of our destinies, masters of our future, and partners in the mightiest Empire the world has ever known. Can we desire a better fate?"

During these difficult times, we may, with sympathy and admiration, think of Britain as having fully justified the following magnificent tribute which was paid to her by Emerson during the dark days of the Crimean War. Emerson wrote:—

"I see her, not dispirited nor weak, but remembering that she has seen dark days before; indeed with a kind of instinct, that she sees a little better in a cloudy day, and that in storm of battle and calamity, she has a secret vigour and a pulse like canon. I see her in her old age, not decrepit, but young, and still daring to believe in her power of endurance and expansion. Seeing this, I say, All Hail, mother of nations, mother of heroes, with strength still equal to the time; still wise to en-

tertain and swift to execute the policy which the mind and heart of mankind requires in the present hour, and thus, only hospitable to the foreigner, and truly a home to the thoughtful and generous, who are born in the soil. So be it! So let it be!"

## Trade Notes

THE Weston Electrical Instrument Corporation, represented by Standard Telephones and Cables Ltd., has purchased the Jewell Electrical Instrument Company of Chicago. The entire Jewell organisation will be moved to the Weston plant at Newark, but instruments under the name "Jewell" will be marketed throughout the world as heretofore.

Standard Telephones will be in charge of the New Zealand distribution in both Weston and Jewell instruments

## Raytheon Valves

THE name of Raytheon valves is familiar to most experimenters who delved into power-pack construction in the early days, when a filamentless valve was looked upon as the last word in rectifiers. Few probably know, however, that the Raytheon Company, who manufacture these valves, have for some time past marketed a complete line. They employ the exclusive four-pillar construction, and are sturdy, excellent specimens in their various types. They are the usual American standards and can now be obtained at most radio dealers.

## Electric Clocks

### Made by Ferranti

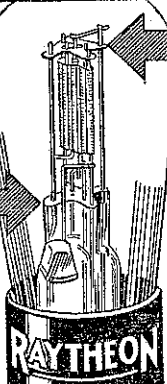
THERE are now on the New Zealand market electric clocks from the world-famous firm of Ferranti Ltd., Hollinwood, Lancashire. The Ferranti electric clocks are quite inexpensive, and the running cost is so low as to be negligible. The clock may be run from any ordinary lamp or power socket, provided that the socket is not switched off at any time—or, better, it can be permanently wired. After connection, the clock will run for ever without winding or attention of any sort.

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ARCTURUS VALVES  
TRAIL BLAZER OF THE INDUSTRY



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By every test—  
Jensen  
DYNAMIC SPEAKERS  
ARE SUPERIOR

## Questions and Answers

(Continued from page 10.)

wavelengths is rather difficult to explain. It would need a thorough investigation of the set itself, and a certain amount of experimenting.

**J. K. (Dunedin):** Is it possible to use earphones with my nine-valve superhet. a.c. set?

**A.:** Yes. An article appeared in the "Radio Record" some time ago explaining how to join up phones instead of the speaker. It is not altogether satisfactory, however, owing to the amount of noise that is present on the phones. It is doubtful if you could bring in stations which you can barely hear now, owing to the increasing noise level.

**IGNORANT (Picton):** Are there any regulations governing the use of B eliminators on d.c. mains?

**A.:** Yes, they must be constructed by a licensed wireman, and conform to the standards laid down by the Public Works Department for electrical apparatus to be connected to the mains.

**2.** Is a person who has a dealer's license, and not a registered wireman, liable, if he connects a home-made B eliminator to the mains?

**A.:** We believe he is. However, the regulations are being redrafted, and in the meantime it is unlikely that any action would be taken.

**53MC (Christchurch):** Would it be an advantage to use full-wave rectification with the power-pack I sketch?

**A.:** We suggest you use full-wave rectification, as you have shown.

**2.** Please supply the following heater winding for two 227's, and filament winding for the 280, and the size of the wire to use.

**A.:** Why did you not tell us the size of the core? We have more or less to guess. If the number of wires on the primary is correct, we presume you are using a 50-watt type of transformer, with a lin. core. Under the circumstances the number of turns to put on for the 227's would be 24 with 16-gauge wire. Five-volt winding would require just twice this number of turns with 18-gauge wire. The secondary, if full-wave rectification is used, would give approximately 150 volts rectified. The size of the transformer appears to be correct.

**"CONSTANT READER" (Auckland):** A shock is experienced if my gramophone is touched while the pick-up is being handled. Incidentally, a boom comes through the speaker at the same time.

**A.:** If you do not feel competent to do it yourself, ask a radiotician to examine your turntable, for quite obviously there is a short between the wiring and the frame. This is not only dangerous but is causing the boom you speak of. It is, however, quite easily rectified.

**"20" (DUNEDIN):** Which valves do you suggest as best for my Radiola 20?

**A.:** The set is designed for 199's, so doubtless you could use 120's merely by reneutralising. This is quite a simple job, done by the dummy valve method.

**2.** I am operating the set with 3002 eliminator, but it will not oscillate except on about 2NC's wavelength. Why?

**A.:** Should the Radiola 20 oscillate at all? You can make it oscillate on other wavelengths by increasing the detector voltage. If you took your set to a dealer and it is not satisfactory, then by all means take it back and demand that it be put right. After all, you are the judge as to whether the set is right or wrong, and you should make this point with the dealer. Ask someone outside if the tone seems to him to be right. If not, then you know what to do.

**DX10HB (Woodville):** How can I connect an additional speaker to my "Nine in Line" receiver?

**A.:** After the volume control connect a 100,000-ohms potentiometer across the terminals and regulate the volume accordingly. This potentiometer can be connected at the extension speaker or at the set.

**"FED-UP" (Greytown):** How can I cure threshold howl? I have done everything that is usually recommended.

**A.:** If the circuit has been rebuilt two or three times then why not change over to another type? Have you shielded the panel or tried mounting the whole set on metal? Probably the chassis type of wiring would permanently overcome your trouble, if you use the chassis such as that used for the "R.C. Two" in the current "Times," mounting some of the components on top and others underneath. Mount the B batteries underneath and keep the grid leads short. By arranging the circuit so that all moving plates of the condensers are earthed, they can be mounted on the panel. We think that would overcome your trouble.

**"HISS" (Auckland):** How can I eliminate or minimise a loud hiss caused by the power wires outside my house?

**A.:** Your aerial should be at right angles to the power wires. This would tend to minimise any noise, although it is difficult to eradicate it entirely.

**"RADIOTRON" (Auckland):** I have difficulty in separating the stations on my five-valve electric set. I tried the wavetrap with little success. Would a band-pass filter as described in the "Guide" be satisfactory?

**A.:** A band-pass filter would certainly sharpen up the selectivity of your set. Improvements have been made to the band-pass described in the 1932 "Guide," although that one is perfectly satisfactory. We hope to have something to say about band-pass filters in a forthcoming issue of the "Times." However, build the one in the "Guide," and if at any time you wish to alter it you can do so without buying any more components.

**"ANXIOUS" (—):** I have an aerial 80 to 90 feet in length and about 22 feet high, but I cannot separate 2YA from other stations nearby. Is the aerial at fault?

**A.:** Your aerial is probably not at fault. Try a band-pass filter or at least a wavetrap. See the answer to the previous correspondent.

**"SUBSCRIBER" (Ruatoria):** We have had no experience of a Beverage aerial on shortwave and do not know of anyone who has. Full details of this particular type of aerial appeared in the 1930 "Radio Guide." The subscription for the "Radio Record" is 12/6 in advance, or 3d a copy.

**"NEVA" (Wellington):** The output would be about 10 watts.

**DXER (Dunedin):** How much an hour does it cost to operate a seven-valve a.c. set in the Dunedin city area?

**A.:** It depends upon the type of set. The average seven-valve set takes about 100 watts, which is a tenth of a unit, and so you can find out how much it takes to operate. We do not happen to know the city rate in Dunedin.

**2.** When three r.f. stages and the detector are brought into resonance oscillation becomes sloppy.

**A.:** If you are trying to get oscillation with three stages of r.f. you are an optimist. Why attempt to use it, as it only causes instability and difficulty? If you must do so, then you will have to experiment until you get it smooth as a result

of your own experimenting.

**3.** How can I utilise 10,000 and 100,000 ohms carbon variable resistances as a tone control?

**A.:** Use the 100,000 ohms variable resistance with a .05 fixed condenser between the plate of your valve and earth.

**"BIFF" (Christchurch):** Can an ordinary power transformer be used instead of the power pack for the multi-mu pentode?

**A.:** Any power device which will supply the output called upon will be quite satisfactory. Yes, the aluminium partition is earthed.

**B. S.A. (Wanganui):** The resistance at "Y" is 17,500 ohms; the resistance at "X" is 65,000 ohms. Yes, it is better to cut the stallo after the winding is finished and make it fit close to the wire.

**3.** What is the carrying capacity and the resistance of the enclosed wire?

**A.:** It is 39 s.w.g. and will carry approximately 50 mills. The resistance is .6 ohms. an inch.

**HOOK-UP (Matamata):** I get hum with PM6, but not with B603, yet the former is the better valve otherwise.

**A.:** PM6 is a fairly high magnification and takes a relatively small filament current, where P603 has less amplification and has a heavier filament. It is therefore not so susceptible to the changes in temperature occasioned by the alternating current and consequently there is less hum. P603 will not give as loud signals as PM6, but it would probably be the better one to use.

**2.** My short-wave adaptor will tune in the carrier waves while the set is oscillating, by tuning with the reaction condenser. Why is this?

**A.:** For each dial setting there is an optimum position for the reaction condenser, and this must be altered for every change in dial position, and consequently it seems as though you have to tune with an extra dial.

The correspondent adds: Some notes on my "Outspan 6" will no doubt be of interest to you. I have added a third screen-grid stage and have ganged them, using a double drum dial, a second dial controlling the detector coil. Two balancers are used in the second and third r.f. stages, and efficiency does not appear to be impaired by ganging. Sensitivity is still there, and selectivity is improved by the extra s.g. I have experimented with the primaries, but have reverted to the original one.

**UNCERTAIN (Christchurch):** I wish to construct a 50-watt power transformer for a three-valve a.c. set, using 235, 224, and 247 valves. Could I get all the wire into the window?

**A.:** Although your window is very small, you will just have room providing you wind the secondary for half-wave rectification—which would be quite satisfactory. You could use the 280 valve by tying the two plates together and use fine soil instead of the usual Empire cloth for insulation. The transformer is very small, and you have to cut everything very fine in order to make it fit. It would pay you to use 36 gauge wire, which would be quite sufficient for your purposes.

**2.** What are the number of turns and the gauge of wire for the filament of the rectifier and the other valves?

**A.:** The rectifier, 47 turns of No. 18 gauge wire—this is a rather severe setback to your transformer, as it will take up a great deal of space—and two windings of 18 gauge each 24 turns. This is cutting things fairly fine, but only by doing this can you make your transformer do. Even then it is a gamble. Why not use a metallic rectifier?

**3.** Would I be able to use electrolytic condensers with a peak voltage of 470V? Yes.

**HOPEFUL (Wellington):**—My set is unselective. It comprises three radio stages and two audio.

**A.:** By the pencilling it appears that the band selector in front of the first valve has been cut out. This, in our opinion, is a mistake as, although three stages of



screen-grid should give reasonable selectivity, it is necessary to separate two fairly powerful stations, to use band-pass tuning in some form or other. It seems to us that a pre-selector circuit is absolutely essential for sharp tuning. Such a circuit will be shortly described, we hope, in the "Radio Times." Check over your bias resistances and the gauging.

**BUDDY BOY** (Invercargill).—Two months ago my transformer heated, due to a short circuit, but it was fixed, and since then the pilot light keeps fusing, and the set has a continuous crackling or frying noise from 800 k.c. Otherwise it is quite good.

A.: The voltage on your pilot light must be too high. If a breakdown was in the primary, and it has been removed, possibly a different number of turns has been used, causing an alteration in the voltage, but this would affect the valves of the set as well as the pilot light. Perhaps this has been connected to the wrong filament voltage, or you are getting the wrong voltage of lamp. Get somebody with an a.c. volt meter to measure it, and tell you exactly what voltage lamp to buy. The crackling noises may be due to the same cause, or are possibly some type of interference. Your best plan would be to get a serviceman to look at the set again.

**DISAPPOINTED** (Waitara).—The "Super Six" is not giving me the results I think it should. The volume is poor even on 2YB, and I find a Hammarlund Roberts is better.

A.: In the absence of data pointing to any definite fault, we cannot advise you particularly as you have had two radio engineers look the set over. You are not allowed to couple it on to an aerial, and must be content with using the loop. Dozens who have made the set have had wonderful results, so we suggest that you send it to one of the dealers in the main centres who knows something about the circuit, and can fix the set up for you.

## Interference Suppression

### Move In Timaru

**LISTENERS** in the South Canterbury district will be interested to learn that the Timaru Radio Club is taking active steps in an endeavour to alleviate interference due to electrical causes and howling valves in the Timaru district, and to this end detecting apparatus has recently been built.

It is desired that listeners in the Timaru district make a special effort to co-operate with the club in this matter, and any information regarding interference troubles which listeners may have available will be of considerable assistance in obtaining data for the zoning of the district into special areas for tracking down interference.

The secretary of the club, Mr. D. W. Beswick, conveys a special invitation to all listeners interested to communicate with him, care of P.O., Box 254, Timaru.

## Useful Hints

**AFTER** a terminal has been affixed in a panel and then soldered, it will be necessary to tighten the fixing nut a little, as the heat will invariably soften the ebonite.

**IF** threaded brass rod has to be gripped in a vice remember that it should be placed between two pieces of soft, rounded wood or the thread may be damaged.

## DX Topics

(Continued from page 11)

ence is very annoying every night. 2CH and 2GB can be heard at 4.15 p.m., at R5, while 2FC, 2BL, and 2NC can be picked up at any time of the day at R2-3, and R6 at 4.30 p.m. Latest loggings include WOWO, Fort Wayne; KFGY, Spokane; KFAO, Los Angeles; JOPK, 6PR, 6KG, and KPRC. By 5.30 p.m. KMOX is R8. Next to KFI it is my best American. I have written to KTM for the third time, and have enclosed a 10 cents coupon.—DX500 (Dunedin).

### DX Jottings.

**STATION 1ZF**, Auckland, and 4ZF, Dunedin, have been heard at good speaker strength during the afternoon.

## Branch Meeting

The Hawke's Bay branch of the DX Club will hold its next meeting on the evening of Monday, June 13, at 8 o'clock, at the residence of the branch secretary, Mr. Gordon Lys, 912 Dufferin Street, Hastings.

at 2 and 4.20 p.m. respectively. These two small stations are reaching out wonderfully. 3AK, Melbourne, can be heard almost any morning until 7 a.m., and sometimes after that. On the first occasion I picked this station up on their morning session at 6.35 a.m. I thought I had logged a European at remarkable volume, but I was soon disillusioned.—DX99W (P.N.).

### Special Test by XEH.

**HAS** anyone heard XEH, Monterey, Mexico? He broadcasts on 1132 kc. (265 m.), with a power of 1 kw. His schedule (mountain standard time) is as follows:—Daily except Sundays, 8.30 a.m. to 10.30 p.m.; Tuesday, a special dx. programme, 10 a.m.-10 p.m.; Wednesdays, cabaret, remote control, 9 p.m. to 11.30 p.m.; Saturdays, cabaret, remote control, 9.30 p.m. to 11.30 p.m. I received a verification in December, and further reports were asked for in order to prove that reception was not a freak, as, until then, the station had not been received any further away than Canada and Cuba. I am trying to arrange for a special broadcast for the second week in July from 6 p.m.-7 p.m. New Zealand time, to suit New Zealand conditions. Announcements will be in Spanish and English.—DX29HB (Gisborne).

### "Ham" Calls.

**WITH** the increase of our N.Z.A.R.T.'s I think some new system of announcing calls should be introduced. Many are on 'phone for lengthy periods without giving any indication as to who they are. Even then some calls are difficult to distinguish. For example, take 2CC or 2CF. Many letters sound the same, and if those at the "mike" were to call 2CCE, "C" for Charlie and "E" for Edward, and so forth, listeners would be surer as to what station to Q.S.L. Many complaints are received from time to time re stations not "Q.S.L." reports. This is bad enough, but when one sends stamps for return postage and no card or reply is forthcoming, it makes one somewhat annoyed. I have quite a few N.Z. "home" offenders in this respect; and a few overseas broadcasting stations. Lately I read that concessions, and free postage is granted by the Governments of some countries on correspondence and other matters relating to radio, provided such correspondence is left unsealed for perusal. This is to encourage interest in radio. I wonder when our Government will become generous and frank stamp our radio cards, and reduce our license fees, etc.?—"All Wave" (Wellington).

### KMPC Testing.

**RECEPTION** is still only fair down here. However, Saturday, May 28, was a fairly good night, although static and morse were again troublesome at times. Did any other dxeer hear KMPC, Beverly Hills testing on 710 k.c.? Although his power is only 500 watts, his audibility was easily R7-8; QSA being 4. I held him from 12 a.m. to 12.55 a.m. on May 9, when he closed down. VK3EF, Elwood, was R8 on the same morning, and VK3RG, who was using two modulated tubes for the first time, was R6. Other loggings include: JOJK, Honshu; WLAC, Nashville, Tenn.; KPYR, Los Angeles, Cal.; and DKB, Santa Barbara, Cal.—DX500 (Dunedin).

### DX Notes.

**CONDITIONS** the last two weeks in Auckland have been very poor for overseas reception, static being very troublesome. Latest verifications to hand are 3HA, Hamilton (after six months); 3BA (after a second report); and W8XAR. Since KGO moved to 750 k.c. they have been coming in splendidly in my locality. KTM, Los Angeles, must now be an all-night station in place of KELW, for I have heard them on quite a few occasions at 11 p.m. at night.—DX182A (Northcote).

### Recent Verifications.

**MY** latest verifications are from WAPI, KFWB, KPRC and WLW. I heard WAPI on March 23 broadcasting special appeals for food and clothing, etc.,

as Alabama had been struck by a terrific storm during the afternoon. I received a letter recently from a friend in Nashville, Tennessee, who kindly offered to assist any dxeers who had had difficulty in procuring verification card from WLAC. He will personally see they are sent forward. I notice in the June "Times" the reason why XED does not verify reception. I heard them some time ago broadcasting details of a lottery, and reported reception. Needless to say, my letter was returned to me, marked "Fraudulent," after being sent to the San Antonio Inquiry Division. 26W inquires about 3AW, Melbourne. I picked up enough of its programme to write to this station for a verification on May 19.—R.J. (Kapiti).

### W8XAR and KDKA.

**WE** recently received a letter from KDKA, Hotel William Penn, Pittsburgh, concerning W8XAR. It reads: "For the benefit of your readers we would like to explain that this station is used for conducting certain experiments which are necessary in the development and design of broadcast equipment. Under the call letters of W8XAR we are licensed to operate on 980 k.c. between 1 and 6 p.m. (E.S.T.) on powers up to 400 k.w."

It is very gratifying to us to know our transmitters are being heard in your section of the world. All letters and comments received from listeners are closely read and much appreciated, as it is only by this means we can tell what success we are making with our work.

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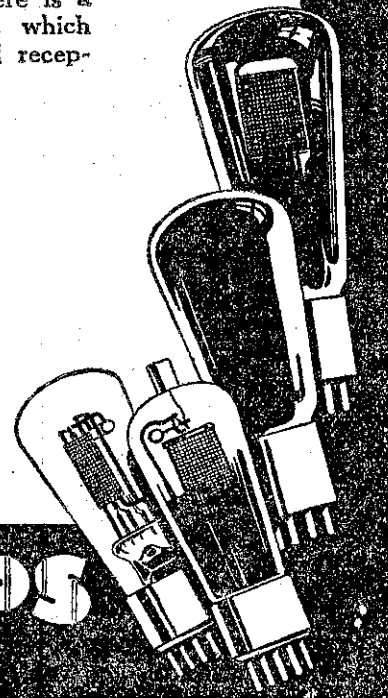
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P.H. 224	.....	16/-
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P.H. 222	.....	35/6
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A.C.—		
F109A 226	.....	10/6

W37R.

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## Round the World on SHORTWAVE

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### Short-wave News

#### W3XAL, Change of Frequency.

W3XAL are announcing a change of schedule and frequency in the very near future. Daily and Sunday, from 11.30 p.m. to 7.30 a.m. on 17,780 kc. (16.87 m.), and Sundays only from 8 a.m. to 4.30 p.m. on 6100 kc. (49.18 m.), all N.Z. times. The present schedule is 8.30 a.m. to 4.30 p.m. on 49.18 metres. Apparently readers can look for W3XAL on 16.87 metres in a few days. No date was given for the changes referred to.

#### Radio Colonial, Paris.

DURING a talk to America on Tuesday, the speaker said, in giving the name of the station, that "no call letters were used." The only call or name used is "Radio Colonial." This station is owned by the French Government, items of interest being broadcast for the benefit of French people overseas.

#### Continuous Programmes from U.S.A.

WHEN the National Broadcasting Company of America takes over its new premises at New York, transmissions will be carried out throughout the twenty-four hours. This service will be carried out by high-power stations at New York and Chicago. In view of the difference in time, it may be found possible to make a relay of European concerts a regular daily feature for the mid-day programmes.

#### Log for Week Ending June 4

RECEPTION generally is quite good, but conditions are changing. The twenty-five metre band is quite dead till 7 a.m. or after. The only station heard now at any strength on the fifty metre band during the late afternoon is W3XAL, and that, when the change takes place, mentioned earlier, will be missing soon, except on Sunday. W9XF and one or two others have been just audible on some days. Saigon is missing again, the only regular evening station being RV15, which is improving a little in volume.

RV15, Siberia, 70.1 metres: Heard every evening, reaching up to R9 by 10.30 p.m. A very fine musical programme was heard on Saturday toward midnight.

HVJ, Vatican City, 50.26 metres: Good volume from 6.30 most mornings.

RV59, Moscow, 50 metres: Has varied a lot during the week from very poor to quite good. Friday was best, R8 at 6.30 a.m. to R8-9 soon after 7 a.m., going off again later.

ZL2ZX, Wellington, 49.5 metres: Monday, Wednesday, and Thursday, from 7 a.m., relaying 2ZW, and from 8 p.m. on Saturday relaying 2YA.

W3XAL, Boundbrook, 49.18 metres: Not quite so strong now, but still quite good till 4.30 p.m., closing time.

REN, Moscow, 45.38 metres: Heard most mornings, Tuesday and Friday being the best at R8 from 7 a.m. to 8 a.m.

KEJ, Bolinas, 33.27 metres: Tuned in at 3.35 p.m. on Saturday, when a sponsored programme was relayed. It was quite good at R8-9 then, but went off to R4 by 4 p.m., when they concluded the relay.

Radio Maroc, Rabat, 32.26 metres: Only heard on Monday this week, when they were R8 with a very rapid fade from 7.45 a.m. till after 9 a.m.

PLV, Java, 31.86 metres: At 10.45 p.m. on Tuesday, they were R8-9 with

records. Duplex with Sydney followed. OXY, Denmark, 31.51 metres: Tuesday at 7 a.m., R5, with rapid fading, fading out soon after. Only just audible on other mornings.

W2XAF, Schenectady, 31.48 metres: Saturday was the best day, when they reached R9 by 3 p.m., and remained at that till closing at 3.30 p.m. Gushiness has spoilt reception several times recently.

Zeese, Germany, 31.38 metres: Good every morning, except Monday, when they were not audible.

W1XAZ, Springfield, 31.35 metres: Reaches R8-9 by 3.30 p.m. each day.

VK2ME, Sydney, 31.28 metres: Excellent from 5.30 p.m. on Sunday at R9.

EAQ, Madrid, 30.4 metres: R8-9 from 12 noon till 1.30 p.m. Has been gushy most days.

DHB, Berlin, 29 metres (about): On Monday from 8 a.m. to 8.15 a.m. a professor of Princetown University spoke from Berlin. Volume was good, but rapid fade spoilt readability. The talk was for reception in America, being relayed through the States by the N.B.C.

Radio Colonial, Pontoise, Paris, 25.63 metres: Very good each morning from soon after 7.30 a.m. till 10.30 a.m. The time of the news in English session varies now, instead of being regular at 8.15 a.m. The usual session for America was heard from 10 a.m. till 10.15 a.m. on Tuesday.

G5SW, Chelmsford, 25.53 metres: Every morning, except Monday. Rapid fade bad, but not so bad as usual on Sunday and Wednesday, when strength was R8 till 9.45 a.m., when volume rapidly went off.

12RO, Rome, 25.4 metres: Reaches R8 about 7 a.m. or soon after, but has been gushy most mornings.

### N.Z. Shortwave Club

#### From the Secretary's Pen

I HAVE much pleasure in stating that NZSIC has offered for competition among the members a painted silk emblem. The nature of the competition has yet to be decided.

From time to time I am asked if we can arrange for slow Morse to be sent on 80 metres; at present three transmitting members are obliging: Sundays, 1 to 2 p.m., ZL3FZ, Mr. A. F. Gledhill, Christchurch; Monday and Wednesday, 6.30 to 7 p.m., ZL2KL, Mr. N. A. Steele, Wellington; Tuesday and Thursday, 6.30 to 7 p.m., ZL2LI, Mr. C. S. Munro, Nelson.

Whether you are a member of the club or not we would like all who are taking advantage please report either to the stations or to me, as we would like to know whether it is worth continuing.

I saw a unique motor-driven coil winder recently which has a device for counting the turns. It can be run at several speeds. The owner of this is building a power-pack specially for my shortwave set, and will probably wire up an old and tried circuit as a club receiver.

During the day I have a number of callers and telephone rings. Will inquirers please note that I do not reach home until about 5.15 p.m.

Many listeners are under the impression that, if they write in, they are under an obligation to join. Any listener, by sending a stamp, will receive explanatory circulars, address to A. B. McDonagh, secretary, New Zealand Short Wave Club, 4 Queen Street, Wellington.—Yours fraternally, Mac.

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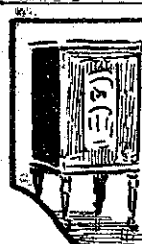
Standard Transformers, 4-1 ratio. Write for pamphlet ....16/- each  
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# OF FEMININE INTEREST



By "Patricia"

A RECENT novel by Louise Tottenham is "The New Woman" (Gollancz). One cannot imagine why the authoress calls it "The New Woman," for it is a moving and beautiful story of pre-war Irish rural life; the tragedy of a girl whose marriage was arranged for her, and her life-long devotion to her children, who, one by one, left her at last when she was old and lonely and had not even the memory of past happiness to comfort her. There is nothing of the new woman in that! It is a sad but lovely tale, and has all the sweetness of life, as well as life's secreted sorrows. Julia Camody, when a girl, fell in love with the nephew of a neighbouring farmer, but being too poor to marry, the young man emigrated to America. They promise faithfulness, but Julia lives in a country which at this time does not look kindly on marriages of sentiment. Those who wish her to marry a farmer from the mountains tell her that Desmond has married a girl in America. Matthew Prendergast, the man she marries, is a heavy drinker, but no one tries to stop the match. Her husband beats her and leaves her to spend her evenings alone, but she bears him three children, and when he is killed she mourns his loss as master of the farm and the father of her children. The lover of her youth comes back from America, and though shocked at the change he finds in her, still wishes to marry her; but she sends him away. The climax of the tragedy is reached when her younger son John brings home a shrew of a wife to be the mistress of the farm, and Julia has to start life anew.

A FIRST novel, "Old Barty," by Cecil Hunt (Ward Lock and Co.) is a tale of an old violinist, a lovable character, whose pleasure-seeking wife deserts him and their baby boy. The story is based on the great love of Old Barty for this small son, and his dreams of making him a finer musician than himself. In this he is helped by his kind-hearted landlady, Sarah Tidley, who, when a girl, served the great and world-famed violinist Tescanelli. By a ruse Sarah gets Tescanelli to visit her, and introduces Hans, who at this time is about eleven years old. The maestro is much struck with the child's playing and promises to teach him, but before anything can be arranged Tescanelli dies suddenly of heart disease. However, Sarah, not to be beaten, gets in touch with the Press and tells a pathetic story of Old Barty and his son, which is published. This story makes such an appeal to a German musician that he feels constrained to undertake the musical education of this prodigy.

MARGARET TURNBULL has given us another good story in "The Return of Jenny Weaver" (Ward, Lock and Co.). The body of Jenny is found on the Drake's estate after she has been missing for three years. She is identified by the buttons which had fastened her dress. Many people become involved in the trial, which be-

comes more and more complex as it proceeds. Under the cross-examinations many interesting situations are brought to light; and Anthony Drake, on which the crime has been fixed, is proved innocent and acquitted. A well-constructed and readable book.

THE town of Vineta, submerged in the Baltic Sea, is said to have been swept away some centuries ago by the gigantic waves of a tidal flood, and on calm summer evenings a mysterious sound resembling a muffled bell ringing is heard on these shores, which, legend says, proceeds from the

churches of the vanished city. A German poem by Wilhelm Müller describes this strange occurrence, and is possibly known to some of my readers. It begins with the lines:

*Aus des meeres tiefem, tiefem Grunde,  
Hör ich Abendglocken lauten . . .*

THE largest bell but one in the world has just been made in Croyden, and it is to be paid for by Mr. Rockefeller, who is presenting it to the University of Chicago. Its total weight is a little under 80 tons, and it takes some minutes to set it going. There

is no bell comparable to it in England and only one bigger outside.

FOR many years Englishmen have had a world-wide reputation for being well and suitably dressed for all occasions, so it is not surprising that a large number of Americans and other visitors from abroad make a point of ordering a new stock of clothes whenever they are in London. The novel idea of a "dress chart" has been drawn up by a tailoring organisation, which describes how, when and where to put on what. Every possible occasion has apparently been thought of, from the right socks to wear at a smart dance to the hat for "country sports" and house-party wear.

## Prize Poem Competition

(Conducted by "John O'Dreams")

THE prize of half a guinea in the current competition is awarded to M. A. Latter for "The Blackbird in New Zealand," a poem that appeals by virtue of musical versification and poignant expression of nostalgia for lovely sights and sounds of a well-remembered country. It is regretted that space cannot be found for publication of a small sweet "Prayer," by O.E.H., from whom we are glad to hear once more.

"Merrie" sends a thoughtful and poetic contribution. This young literatureur shows a commendable versatility in choice of subject and treatment thereof, and in "Rain" achieves success in a difficult verse form.

"Cantor's" tuneful tribute to a haven of peace in Temuka is very attractive in its simplicity and sincerity, conveying an atmosphere of Nature's beauty and holiness.

"Bethesda" sends a rhymed but far from poetic questionnaire. O.M.S.: Very reverent in conception, exceedingly faulty in execution.

"Imogen": An interesting experiment in vers libre.

"Demosthenes": We admire your pluck.

"Donbri Thomas": An unfortunate effort.

"Don Juan": A budding Byron—in ambition at any rate.

"Frou-Frou": How could you?

## The Blackbird in New Zealand.

*The blackbird makes loud music here  
In tropic tree-ferns. . . . Glassy clear,  
Yet alien singing to mine ear.*

*His songs are tuned to English skies,  
To meadows where gold magic lies,  
Where harebells mirror children's eyes.*

*Held in the arms of English trees—  
The spirit and the voice of these—  
Entranced, he rocks upon the breeze;*

*Carolleth his sweet messages  
In gentle grey stone villages  
Where Cotswold streweeth primroses:*

*A morning joy, a higher sense,  
A flame of loveliness, intense  
Beyond the world's magnificence.*

*But here—but now—I know not why—  
The blackbird, to the Southern sky,  
Shouts a cold heartless melody:  
"Good-bye!"*

*Bright joy—dear bird of dreams—Good-bye.*

—M. A. Latter.

## Recipes

A DELICIOUS filling for tarts is made by chopping or grating tinned pineapple and pouring it over a little of the juice thickened with corn-flour.

### Savoury Banana Omelette.

**Ingredients and Method:** Peel four not over-ripe bananas, cut them into rounds; melt 1oz. of butter in a small pan; when hot, put in the bananas and toss them over; heat for a few minutes; then season with salt and pepper. Break four eggs into a basin, add one tablespoonful of milk, salt and pepper to taste, and beat well. Melt one ounce of butter in an omelette pan; pour in the egg mixture, and stir till the eggs begin to set; then shape the omelette. Place the prepared bananas in the centre, fold in the sides of the omelette and brown slightly. Turn on a hot dish and serve.

### Savoury Rabbit.

**Method:** Wash two young rabbits, cut into joints, place in a casserole, sprinkle over and around two cups of good stuffing, and lay on top half a pound of bacon cut into pieces. Pour over all half a cup of milk, put the lid on and bake 2½ hours in a moderate oven. For the stuffing take ½ lb. bread crumbs and mix in one tablespoon chopped onion, two tablespoons chopped parsley, one tablespoon mixed herbs, one tablespoon chopped candied peel, and a good shake of pepper. Mix in one well-beaten egg. Do not add butter or dripping.

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# RADIO

## Round the World

ROME'S new "radio palace," with its eight underground studios, was opened last April. Like the new B.B.C. buildings in Portland Place, London, the Italian headquarters of broadcasting incorporates a television studio from which tests are shortly to be made on a wavelength of 80 metres.

FINLAND has grown tired of listening to propaganda talks in Finnish transmitted by the Leningrad Soviet station, and is now considering the erection of a high-powered broadcasting station with which to drown the signals with a flood of contradictions in Russian.

"BUSINESS Without Ballyhoo" is the slogan adopted for America's annual radio trade show, scheduled to be held in Chicago from May 23 to 26. The show is being held earlier than usual to prepare dealers for the anticipated boost in radio sales resulting from the political broadcasts at election time.

A SPECIAL long-wave transmitter is under erection by the French Navy at Toulon for communication with submerged submarines. Repeated experiments have shown that short-waves refuse to penetrate the ocean depths, and for this reason the new station will work on wavelengths up to 15,000 metres.

THOUGH nearly £17,000 has been expended by the Canadian National Railways for experiments and expenses in installing a train telephone service employing "wired wireless," the average monthly revenue from this service for the twelve months ending April 30 last was less than £15. The train phone is installed only on the International Limited running between Toronto and Montreal, but calls can be put through on it for almost any part of the United States and Canada.

AN English contemporary gives the following particulars concerning the projected "radio palace" at Moscow. The palace will occupy a large site in the Place Mousky and will contain thirty-six studios, serving thirteen transmitters. Five specialists have already left Moscow on a world tour to examine the broadcasting buildings of London, New York, Berlin and other capitals. The Russians have evidently learnt the value of proceeding slowly and profiting by other people's mistakes.

FINES amounting to £1933 in addition to costs totalling £240 were obtained during 1931 in 1042 prosecutions against unlicensed wireless listeners in England. In the House of Commons recently, Sir Kingsley Wood, the Postmaster-General, stated that

licenses had risen by about 544,000 since September 30 last, and he considered that the greater part of this increase might be fairly attributed to the Post Office campaign.

MANCHESTER will be the first city in Britain to have its own airport equipped with a radio telegraph and radio telephone station, equipped with direction finding apparatus. A site for the stations has already been chosen at the Manchester Municipal Aerodrome, and constructional work will commence almost immediately.

ARGENTINE listeners purchase their sets chiefly through an electric power company, which sells them on an instalment basis. There are 43 stations in the country, and 20 of these are in Buenos Aires. Latest reports reveal that there are 400,000 radios in the Argentine. No license fee is charged, but sets must be registered.

BROADCASTING engineers in America are heaving a sigh of relief over the abolition of the rule requiring a continuous watch for SOS messages from ships at sea. The listening watch on 500 metres, the distress wavelength, was required as an additional safeguard to navigation, each station having an extra receiver tuned to that wave at all hours. In many cases stations were required to close down immediately an SOS call was heard. Lately such calls have been picked up from far away places, to the great inconvenience of stations and their audiences. The costs, it is believed, are now adequately safeguarded without any watch by broadcasters.

LATEST statistics show that on December 31, 1931, there were 548,342 licensed radio sets in Canada, which is about twice the number recorded in 1929. This works out roughly to one set for every four homes. As to individual towns, Toronto heads the list with 75,240, Montreal is second with 68,150, and Vancouver third with 27,574.

GERMANY'S broadcasting budget for 1932 shows a total of 88.8 million marks. Of this huge sum, three millions go to the German Treasury, a further ten millions will be used by the Post Office to cover deficits in other departments, in addition to 10 per cent. deducted for the cost of collection, so that broadcasting will actually absorb 68 million marks. On the same financial reckoning, British broadcasting absorbed only 24 million marks in 1930. German broadcasting costs are treble those in England, and thus it can easily be seen why German listeners pay of approximately twenty-five shillings for their licenses. The English fee is ten shillings. Perhaps the fact that Ger-

many has ten broadcasting companies and three independent broadcast research laboratories, apart from those of the big firms, explains why Germany can spend only 17 million marks on the actual programmes.

BROADCASTING seems to be of greater value to the gramophone companies than was originally thought by the German firms which recently "declared war" on the broadcasting authorities. The war is now at an end, contracts having been signed whereby the broadcasters, while winning permission to use gramophone records, undertake to restrict the practice to sixty hours per month. The gramophone industry will supply the stations with records free of charge, but the agreement decrees that the broadcasters must pay for postage and packing.

THE Waldorf-Astoria Hotel, New York, has equipped its 2000 rooms with loudspeakers, from which, as desired, the guests may receive six different programmes. These are fed from a central panel connected to a number of receiving instruments and amplifiers. The hotel is linked up with three city transmitters, to which a relay can be made of any interesting event and rebroadcast for the benefit of the American listening public.

PARISIAN radio enthusiasts have lodged protests in regard to the power of the Eiffel Tower and Radio Paris broadcasts, which prevent in that city reception of foreign transmissions. Some 1500 wireless listeners recently petitioned the French Ministry of Posts and Telegraphs with the request that on one week day these stations should remain silent in order to allow owners of modest receivers to listen to entertainments from abroad.

FURTHER development of the Spanish broadcasting system has been hampered by the lack of funds at the disposal of the programme organisers. Subsidies originally voted by the State for the installation of new stations have been diverted by the Government to more urgent purposes, but Spanish listeners have been assured that a start will shortly be made on the construction of a 60-kilowatt transmitter in the neighbourhood of Madrid. According to a French contemporary, a rumour is current to the effect that the State may take over all existing stations.

THE recent award of 50,000 francs by the Paris Tribunal of Commerce to a wireless trader whose set demonstrations were spoiled by a neighbour's luminous sign, and the order to have the source of the evil removed, have unleashed some angry protests by European newspapers. "Excelsior," a daily, asks whether the wireless amateurs will obtain the right "to suppress all the magnetos of the universe." Another daily considers the judgment "odious," and puts forward this argument: "If the plaintiff had been a fish dealer and the defendant a perfumer, could the former have been able to prevent the latter installing fragrant essences and pomades on his frontage, on the ground that the odour of the perfume would have overwhelmed that of the cod and other fish on the neighbours' stalls?" We suggest a practical test.