

PUBLISHED WEEKLY

THE RADIO RECORD



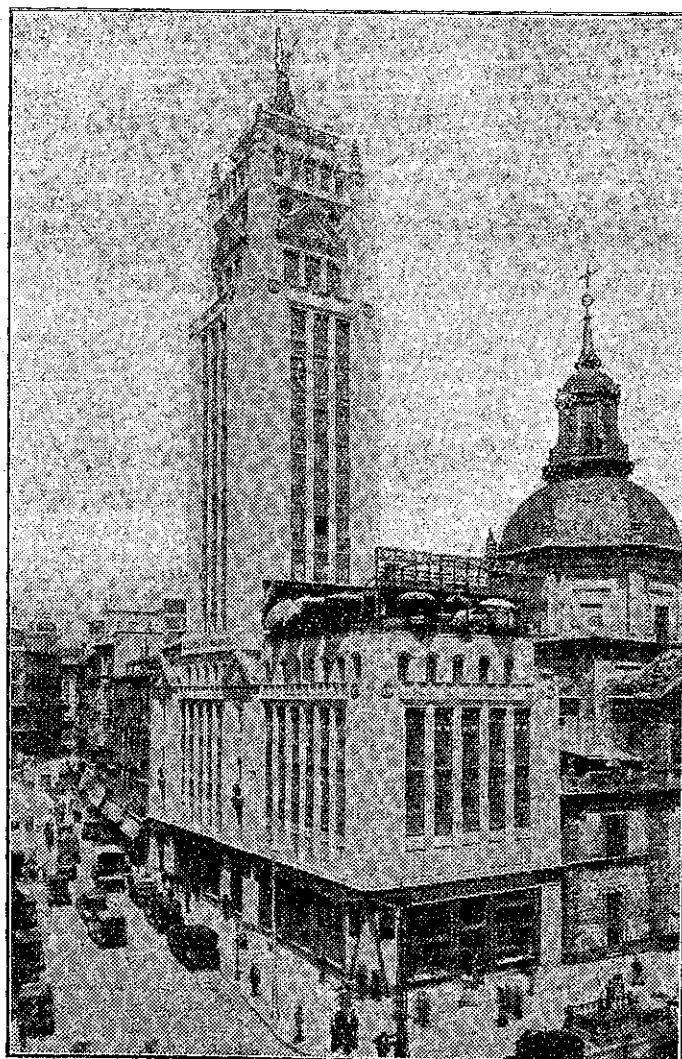
Vol. VI., No. 5.

WELLINGTON, FRIDAY, AUGUST 12, 1932.

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Spain's New Short-wave Station

A view of the building, in the centre of Madrid, in which are installed the studios and offices of EAQ, Spain's new 20 kilowatt Beam type shortwave station. The transmitter, which is situated in Aranjuez, on the outskirts of the city, is linked with the studios by special distortionless land-lines. By arrangement with the New Zealand Shortwave Club, EAQ will broadcast a special programme for listeners in this country, on 30.40 metres, from 12.0 p.m. to 1.30 p.m. (N.Z. time) on August 25.



The principal object of "Radiodifusion Ibero-Americana," the department controlling EAQ, is to convey to other lands some idea of the artistic and intellectual life of Spain, and for this purpose arrangements have been made for notable specialists to broadcast. Musical programmes are chosen from the masters, preference naturally being given to the artistic treasures which abound in Spain.

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Radio
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August issue
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The
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RADIO

Round the World

THE International Broadcast Union has decided to install at Brussels a new instrument for recording on paper the tendency of any particular broadcast station to over-modulation. This is resultant upon many complaints of interference arising from over-modulation, laid before the union's recent annual meeting held at Montreux.

FOR the nineteenth successive year Mr. Hiram Percy Maxim, the well-known inventor, has been elected president of the American Radio Relay League, which he founded in 1914.

THE youngest amateur transmitter in America is not yet 10 years old. He operates a 5-watt station in California, which he built from information supplied by the American Radio Relay League. His father was an amateur in 1910.

A RECENT visitor to Leningrad states that it is difficult to escape propaganda in that city. The task will be still more difficult in future, as the authorities have ordered an additional 32,000 loudspeakers to be installed in factories, clubs, and in the streets.

IF the plans of the British Post Office materialise there will be a chain of small wireless phone stations installed in fishing craft, yachts, and other small craft around the coasts of Great Britain and Ireland. A British company is offering two types of transmitters, one of 300 watts and one of 60 watts. Messages from the craft will be received at special receiving stations and telegraphed to their destinations.

THERE is a proposal afoot in Great Britain to install a powerful broadcasting station on board an old ship which will be anchored outside British waters. The station will be used for advertising propaganda intended for British listeners.

AT the end of last year there were 31,859 amateur transmitters registered in the U.S.A. The increase of 40 per cent. upon the previous year's total which this represents is ascribed to "freedom from discouraging regulations."

THE radio equipment of the famous Sing Sing Prison was made and installed by a convict of the gaol. There are 2300 radio head phones and 21 loud-speakers distributed throughout every cell and building of the prison. The new and old buildings cover several square miles, but all are connected to a central radio receiving set controlled by an official.

THERE are more than 20 million houses in the U.S.A. wired for electricity, and it is estimated that 15 millions of these have radio receivers installed. This information has been supplied to the Manufacturers' Association, which intends making an effort to supply the remainder with radio. The fact that many electricity

supply firms have increased profits during the depression encouraged the manufacturers to expect large sales during the coming winter.

THE National Advisory Council of Radio in education in the U.S.A. has reported that while not defending in the slightest degree the method by which American broadcasters obtain their revenue, the council is of the opinion that a license fee collected by the postal administrations in other countries is not ideal. It is further reported that in this comparatively young art or industry, this is to be expected, and the ideal method is still to be sought.

WHEN Sir Charles Kingsford Smith flies the Tasman next month his plane will be equipped with a radio telephone housed in a sound-proof cabin. The whole apparatus will weigh under 200lb. and through a land relay station listeners throughout the world will be kept in constant touch with the plane. In a recent interview Sir Charles stated "It will be a thrill for us, thousands of feet above the sea and miles from anywhere, to sit in comfort and talk to thousands of unseen people."

IT is estimated that it will cost the Grimsby Town Council £25,000 to convert D.C. radio sets to A.C., in their proposed change over to A.C. current supply. As half the listeners do not use mains sets, it was proposed to charge radio users a fee of four shillings per year for the privilege. This proposition, however, met much opposition and was discarded.

THE radio station of the League of Nations, like the League itself, is international in character. The short-wave transmitter, aerial, and telephone terminal gear are of British manufacture. A French company supplied another transmitter, Germany is responsible for the receivers and their aerials, and most of the power gear comes from Switzerland.

THE U.S.A. Department of Justice is making a concerted raid on broadcasting and morse transmitters who have been aiding bootleggers. Any cryptic messages are copied over a period of several weeks, and submitted to the Radio Division of the Department of Commerce. This has resulted in the discovery that several stations are co-operating with liquor interests.

FROM the fifth annual report of the B.B.C., it is learned that the aggregate transmitting time was 63,466 hours 38 minutes, and the percentage of breakdown was 0.028, which represented a total for all stations for the year of only 17 hours 46 minutes.

THE House Owners' Association of Austria has made a formal protest to Parliament respecting the recent introduction of a weekly "Gymnastic

Hour" from the National Broadcasting Stations. It is held that the majority of residents live in tiers of flats which are not built to withstand rhythmic exercises on several floors. In the interests of chandeliers, the announcer has already advised caution, and emphasised the need for gentle movements.

THE American broadcasting station WCAU is to increase its power from 10 k.w. to 50 k.w., and use a vertical aerial 500ft. high. The earthing system will contain ten miles of wire. The Tennessee station WSM will use with its new transmitter a vertical aerial 878 feet high—the tallest aerial in the U.S.A. Following the usual custom, the towers will be lighted and beacons so as not to be an obstruction to aviation.

IT is reported from Cairo that caravans crossing the Sahara Desert nowadays usually carry wireless sets on the backs of camels. At several desert oases wireless receivers have been installed for travellers. Even some of the nomadic Arab tribes have their camps equipped with up-to-date portable sets.

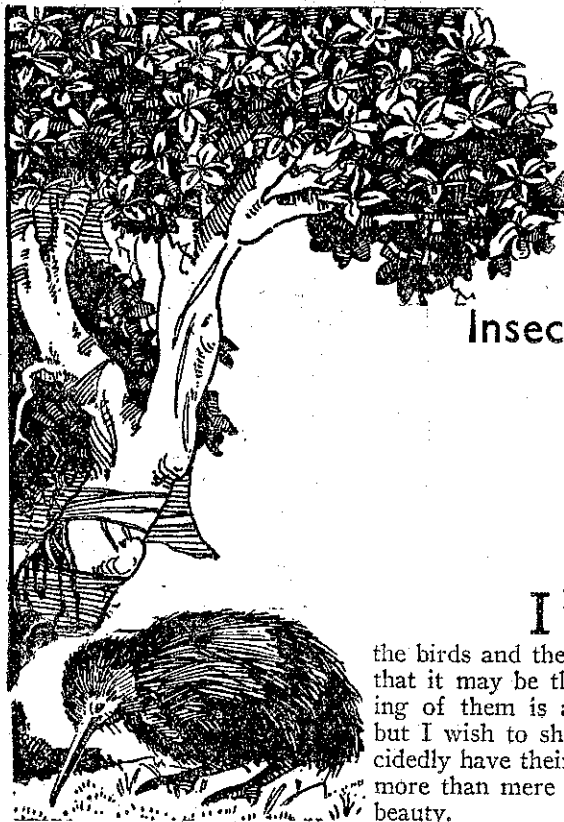
THE International Broadcasting Bureau at Geneva estimates that there are 34,000,000 wireless receiving sets in the world, and the bureau, allowing four listeners to each receiver, gives the extraordinary total of 136,000,000 people making use of wireless broadcasting.

TAKING income tax into account, and the decision of the B.B.C. to relinquish £150,000 of income for the fiscal year 1932-1933, it is estimated that the B.B.C. will receive rather less than five shillings from each license issued this year.

THE radio industry in America evidently has confidence in the future, for it is investing over two hundred million dollars in new machinery, dies, tools, raw materials, and other equipment necessary for the manufacture of radio sets. It is expected that the record of last season, when 3,500,000 sets and 50,000,000 valves were sold, will be easily passed in the coming year.

ONE of the most satisfactory features in connection with the new broadcasting regulations in Canada was the intimation from the United States of America that they will be glad to make all necessary adjustments to render certain channels available for effective broadcasting in Canada. This friendly attitude was gracefully acknowledged by the Prime Minister of Canada when speaking in the House of Commons.

THE result of the £2000 competition for symphonic compositions suitable for broadcasting, sponsored by the National Broadcasting Co. of America, has been announced. A total of 573 scores were submitted for judgment, and a committee made a selection of the five most meritorious. These were broadcast and were placed in order of merit by 150 musicians scattered throughout America. When the compositions were presented later in their winning order, each composer briefly introduced his own composition. The winner of the second prize, who was in Paris, spoke to American listeners through a short-wave station in that city.



JOHANNES ANDERSEN on

Bird Life in New Zealand

Insect depredators—THE SPARROW and
other imported birds

A Talk from 2ZW

I HAVE said so much about the charm of the birds and the beauty of their song that it may be thought my championing of them is all due to sentiment; but I wish to show that the birds decidedly have their uses; they are much more than mere objects of interest or beauty.

What I say now is more particularly for the consideration of my many country friends, who usually have more against the birds than my town friends—as is natural, seeing that they are the ones who seem to suffer most from their depredations. If I speak now more especially of the sparrow, it is only because he is usually regarded as the worst offender; so that any consideration I can persuade my friends to show to him will automatically be shown to other birds as well—starling, skylark, and finches.

A great deal has been written and spoken about the harm done by the sparrow. I wish to say a few words about the good that he does; it is only fair to give both sides.

His misdeeds are made the most of in a pamphlet I recently received from America. He is said there to eat about twice his own weight daily. What would that be?—four or five ounces. It is also said that 50 sparrows can dispose of a quart of wheat in a day. Here is a definite statement. As there are 32 quarts in a bushel of 60lb., a quart weighs about 2lb.; this makes only three-fifths of an ounce per bird—a long way from twice its own weight.

HOWEVER, take it at a quart a day for 50 birds. The pamphlet leaves it to the reader to calculate how much this is in a year—365 quarts. As if the bird has the opportunity of taking grain right through the year! His opportunity does not last more than, say, three weeks, when the grain is ripening—that is, 50 birds take 21 quarts. Yet he must eat, so what is he eating instead of the grain? How many of his accusers can tell us? And when it is pointed out that among the grain eaten is the seed of weeds—thistle, fathen, wireweed, twitch, etc.—it is said that these weeds pass through the bird uninjured, so that instead of destroying the weeds he is spreading them.

A moment's thought will show the foolishness of such a remark. Is the bird likely to eat what he cannot digest and therefore do him no good? Have these accusers watched the

bird eating? Have they watched a caged canary? They do not bolt the grain like a fowl, but work the beak about quickly like a little mill, removing the husk and ejecting it, but swallowing the meal, which is digested.

The seeds of plants like elderberry are distributed, but that is because it is the pulp of the fruit—not the seed—that is the food; and so of other pulpy fruits; they are swallowed without the seed being cracked so that the seed is passed without injury; and all will have noticed how freely our native birds sow the seed of trees whose pulpy fruit they are partial to.

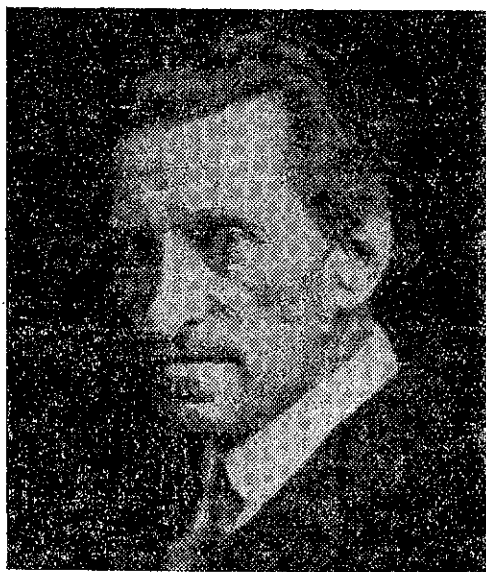
MOREOVER, the sparrow is by no means a grain-feeder only; insects of all kinds, creeping or flying, form his food, and during the breeding season his destruction of these is enormous, for his young must be fed on soft foods, composed chiefly of insects and caterpillars, and a certain quantity of soft vegetable food as well.

He usually has three broods in a year, five or more in a brood—say, 15 young in a season. The appetite of young birds appears to us to be astonishing until we think of young boys. On account of the higher temperature of their blood and their more rapid expenditure of vitality birds eat more in proportion to their weight than animals—and insects, it must be noted, far more than birds.

No bird is able to thrive on grain alone. Experiments have been made, and the food required is a mixture of grain, vegetable, and animal food; and in the case of grain-eating birds the animal food is insects and caterpillars.

The big, noisy New Zealand cicadas used to be the most destructive to trees, this being particularly noted by orchardists in the case of fruit trees. They made incisions in the bark where they laid their eggs, and these incisions caused wounds that never healed, the branch dying in two or three seasons.

This cicada was reduced and is kept in check largely by the sparrow. I have many times seen a sparrow capture one of these and fly off with him, the cicada still singing his song of sunshine, though the day of his sunshine was over. I have also seen flocks of sparrows systematically going over a grassed playing-ground picking out the grass grubs. This autumn I saw them in the Botanical Gardens removing green-fly from the rose bushes. The birds make good police to keep the insects in place. Is it generally realised how urgent is the need (Continued overleaf.)



—S. P. Andrew photo.

Johannes C. Andersen.

One of New Zealand's most prominent authorities on birds. Although he usually selects his subjects from the native birds, this talk from an entirely new angle will be found to be intriguingly interesting. We hope to hear Mr. Anderson before the microphone on some future occasion.

for these bird police?—how quickly insects multiply? To take a single instance, a cabbage-aphis weighs little more than a milligram—the smallest fraction of an ounce; yet if there were food enough and room enough the mass of its descendants in one year would weigh more than 822,000,000 tons—eight hundred and twenty-two million tons, or five times as much as the weight of the whole human population of the world.

Fortunately it has neither room enough nor food enough, and it has besides a few friends in the bird-world who are fond enough of it to keep it pretty well in check; what would the gardener do without those birds? Would his sprays and washes have any effect at all?

Other insects increased in similar alarming fashion, so is it any wonder that regions where birds are scarce breed hordes of insects which descend in their thousands and millions on neighbouring fertile areas, bringing famine and leaving desolation?

No longer ago than June 11, 1932, the "Evening Post" reported how locusts from Sinai had descended in clouds on Egypt—clouds as much as twelve miles wide and twenty-two miles long. Regiments of soldiers attacked them with flame-guns—in vain. Trenches were dug into which the hopping armies fell. One trench was twelve miles long. Over 2500 soldiers were employed for two and a half months fighting the pest—a plague of Egypt brought home in modern times. And there are plagues lying latent even in New Zealand.

In a district in Australia a flock of about 100,000 ibises was watched feeding; they were feeding on grasshoppers. It was calculated that they were disposing of two or three million grasshoppers daily. A pair of these ibises came over to New Zealand recently—rare visitors; too rare to be left alone. They were shot and kept as specimens—valuable specimens, admired for their value.

Are there grasshoppers in New Zealand? I have watched one eating a clover-leaf as a boy eats a slice of bread and sugar; it took a good bite off the edge, chewed away, but not so long as it might, took another bite, and the clover-leaf melted away.

Native Birds Becoming Extinct.

OUR New Zealand plains used to swarm with native quail, pipits, wekas, paradise ducks, grebes, and ducks of many kinds. The plains were burned. I am thinking particularly of the Canterbury Plains—the quail are extinct, the wekas are very much reduced in numbers—only the pipits and the paradise ducks have survived, in numbers, the attentions of man.

But man found he had to introduce other birds in place of those destroyed, and now the introduced birds, Californian quail, Tasmanian quail, starling, sparrow, do the work the native birds did; do it so effectively that the settler does not notice the enemy that does the real damage, does notice the birds—when the crops are coming on—and thinks the birds the enemy.

It may be remembered that the South Canterbury farmers were jubilant one year because they had had a good kill; most of the birds had been poisoned—in a season or two Nemesis followed in the shape of caterpillars. Before the introduced birds were numerous enough to cope with them, the farmers had to dig trenches, as they dig trenches for the locusts in Egypt, to

Area on which Harm is Done During Three Weeks of the Year.

	Acres.		Bushels.	Bushels.
Wheat	261,000	yielding	9,500,000	or 36.56 per acre
Oats	88,000	yielding	3,850,000	or 43.66 per acre
Orchards	25,000	(the three weeks above may not apply here.)		

Total 374,000 acres

Area on which Little Harm is Done During the Year.

	Acres.
Potatoes	22,000
Turnips	480,000
Green feed	217,000
Mangolds	10,000

Total 709,000

Area on which only Good is Done Through the Year.

	Acres.
Artificial grasses ..	16,900,000
Natural grasses ..	14,100,000

Total 31,000,000

trap the hordes of caterpillars advancing on their crops. Napoleon said truly that an army advances on its stomach. These armies did advance on their stomachs; the birds increased, the armies advanced no more; but they are not extinguished.

The particular caterpillar that was so destructive—the caterpillar that once stopped a train—was the caterpillar of the grass-moth. I have tried in vain to learn its scientific name. This pest the birds now keep effectively in check.

Enemy—Or Friend?

WHEN people speak of the damage done by the sparrow they refer chiefly to the time when crops are ripening and on until they are cut; that is, about the time when the breeding birds have been destroying the greatest number of insects. And it must be remembered that though the old birds no longer catch insects for the young when these have left the nest, the young do not give up that necessary food, but there are 17 birds on the look-out for creepies and crawlies instead of only two—17 birds in every family.

Supposing the period when the birds destroy grain is put down as lasting for three weeks without a break; and supposing we take our one family of sparrows, numbering seventeen. If fifty sparrows are able, as stated by their enemies, to dispose of a quart (2lb) of wheat a day, seventeen birds in three weeks could dispose of about seven quarts, that is 14lb. As an offset, take the insects and weeds destroyed during breeding time alone. Trowers, a New Zealand naturalist, estimated that during the breeding season every pair of sparrows daily carried 3000 insects to its young; supposing we saw 2000, that would mean 42,000 in three weeks; and of weeds, 150 a day (a low estimate) would mean 3150 in three weeks.

What the value of this destruction of insects and weeds would be for the three weeks it is hard to say; it should at any rate be worth two shillings. The value of the debit is more easily calculated. Fourteen pounds of wheat at 4/- a bushel of 60lb comes to something less than a shilling.

It is surely rather surprising to think that, calculated on the figures supplied by the enemies of the sparrow, the damage done by a family of seventeen during the three weeks when the grain is vulnerable is less than a shilling's worth, and the good done is worth two shillings.

It is complained that the birds come swarming from other districts and destroy half the crop. But the swarms by no means confine themselves to

grain; indeed, they get the grain only when they can; but eat they must, so while their main object may be the grain, while they wait their chance for that they are playing havoc with the unprotected weeds and insects; they are doing good as well as harm, and probably quite as much good as harm.

And if they destroy half the crop after all, what do they leave for the grower? Statistics tell—the average left in New Zealand is over 30 bushels an acre for wheat and 40 bushels an acre for oats—not a bad remnant.

THESE weeks of harvest are the hectic three weeks of the grain-grower's year; he is doing his best to circumvent the birds—the birds are doing their best to get a portion of their due. Their due? Yes. When at harvest the grower sees with apprehension the swarms of what he calls his enemies—that is, the birds—does he think of the other forty-nine weeks of the year? Does he see with satisfaction his friends the birds doing the work which makes possible any harvest at all?

If he could see the hidden hordes that the birds are searching out during those strenuous forty-nine weeks he would have cause for apprehension; then he would have forty-nine weeks of dread and only three of satisfaction; whereas because the birds are doing their work silently and well, he lives in a fool's paradise; disregards the birds and their work because he does not see the object of it, and at the end grudges their extorted toll of grain, whereas he should welcome it.

And I felt very brotherly to one farmer who said to me: "You know, when we used to broadcast the grain we would throw three handfuls and say, 'Three for us,' and then throw one and say, 'And one for the birds.'" He saw the matter in its true light.

During those forty-nine weeks be sure the birds are not resting on their crops. They still have to eat, and eat more than in the summer; and this is when the pests are being destroyed in millions and millions. Plainly the bird is the friend of the grower. I wish the grower would be a friend of the bird—and I know that many of them are.

Some Surprising Statistics.

BUT this is speaking as if the whole of New Zealand were one great grain field, whereas grain is grown on a very small portion only. The accompanying table shows the 1928 figures, in round numbers, giving the proportion of the various crops, etc., in New Zealand.

These figures are rather staggering. Some considerable harm is being done,

but during three weeks of the year only, or about 400,000 acres; but during the rest of the year, on these same 400,000 acres, and during the whole of the year on 30,000,000 (thirty million) acres besides, the birds may be doing a little harm, but are without doubt doing a tremendous amount of good. Even on the native pastures they are doing good, else how is it possible to run turkeys on these pastures and let them fatten on what they find? The birds are doing what the turkeys are doing, and millions of grasshoppers, grass-grubs, wireworms, caterpillars of all kinds, are being converted into feathers, song and cheerfulness.

I should like my Canterbury friends particularly to consider the above figures, for they are the greatest grain-growers—consequently the greatest sufferers in appearance—in reality the ones who benefit most. Of the 261,000 acres of wheat, 217,000 acres were grown in Canterbury; of the 88,000 acres of oats, 52,000 in Canterbury.

But this is not all. The debit against the sparrow has been given above—two shillings' worth of damage per family of 17 during the three weeks when, by far the most damage is done—but what of the credit side of the ledger?

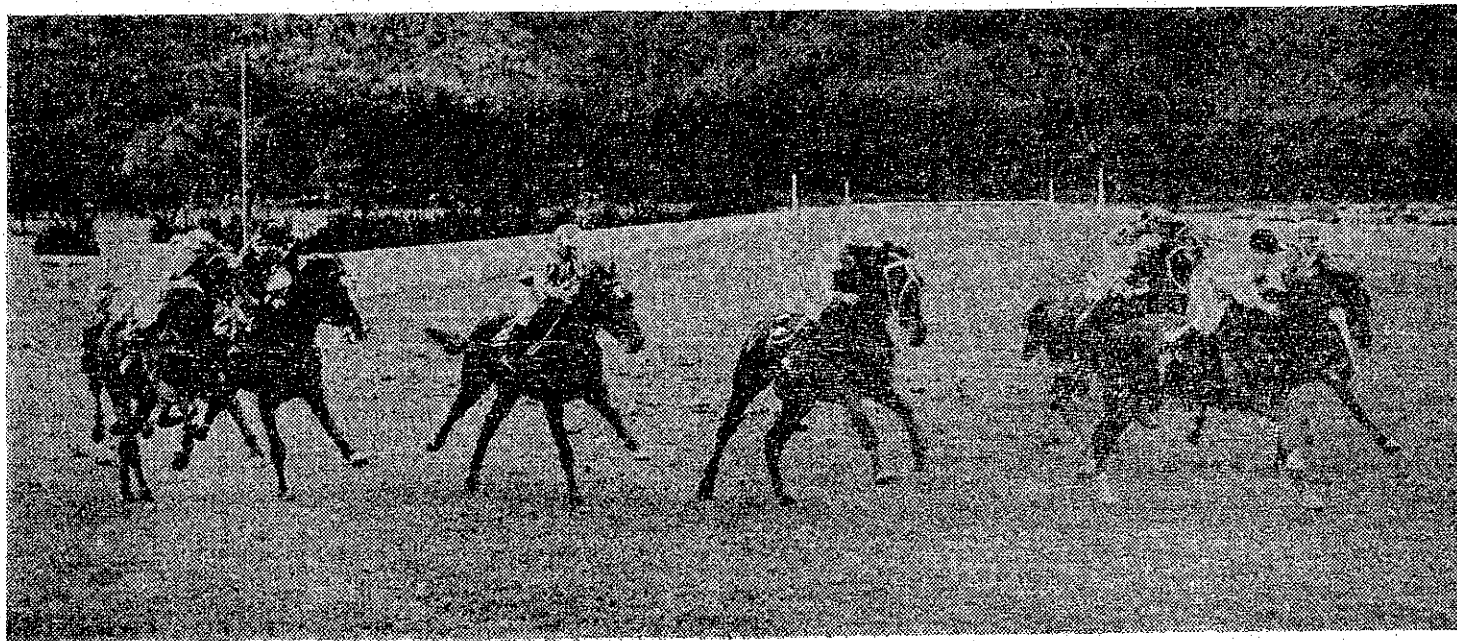
He destroys an enormous quantity of insects and weeds during the year, and for all this work which he does with noisy or singing cheerfulness he gets no wages; he works every day in the year and practically from daylight till dark, not even stopping for meals; he takes no holidays, no Sundays off; he has no stop-work meetings, and indulges in no strikes; he never petitions Parliament, though if Parliament legislates at all it is against him; and the final sacrifice, out of the hard-working family of 17 only two survive, parents or young; the rest cash in, perishing of cold or hunger during the lean part of the year.

If the grower did see the swarms of birds in the off-season, late autumn and winter, he would see them growing less and less. While the insect pests are abundant, the birds are abundant, too; as the pests dwindle the birds dwindle; when the pests disappear in winter, so do most of the birds. The summer swarms of the birds arose with the summer pests—and set with them.

THE lean part of the year is with us now. Have you noticed during the last two or three weeks especially, when cold winds and rains have made even us uncomfortable, how quiet the sparrows have been? Poor little beggars—the weak ones have been dying off—more and more die as the winter drew on; 80 per cent. will have died before the spring is well on. July saw a great mortality—August will see a greater.

If the birds were human, Rachel would be weeping for her children because they are not. Fortunately, they are spared the misery of sorrowful partings; and the scavenging rat every night performs the last rites; he is priest and undertaker and sexton in one, and we see no signs of the night's tragedies in the morning. The birds are not human; it is left for us to be humane.

If my country friends will think over the matter now, before the bias of harvest is on them, I think they will give the little grafters a show. For, remember, the insect plague is always there, ready to carry out its merciless menace as soon as ever the bird-pressure is the least relaxed. The bowels of the insect are not those of compassion—how about our own?



They're Off!

Race Meetings to be Broadcast

PERMISSION last week was granted by the racing and trotting authorities to the Broadcasting Board to broadcast running descriptions of the meetings of both racing and trotting clubs. In making the announcement, Mr. Vickery stated that the events of the Canterbury Jockey Club's National meeting on August 9, 11 and 13, and the programme on the 10th and 12th of the New Zealand Metropolitan Trotting Club would also be broadcast.

Arrangements have been made to broadcast from the YA stations the Grand National Steeplechase, the Winter Cup, and the Grand National Hurdle Race. Other events at both of the meetings referred to will be broadcast only from 3YA.

At the present time the Board proposes to broadcast only from the courses at the four centres, but in special cases would undoubtedly go further afield. Mr. Vickery expressed his desire to pay tribute to the racing authorities for the courteous treatment extended to the Board during the course of negotiations, and stated that the Board was very much indebted to the racing and trotting conferences for the reasonable and businesslike manner in which the whole matter had been handled.

The first race meeting to be broadcast in the Dominion was that of the Canterbury Park Trotting Club's June, 1926, meeting, the broadcast being sent out by an amateur station, 3AC. Then for two years the racing and trotting meetings in the four main centres, with the exception of the Dunedin Jockey Club's meetings, were regularly radioed, often with the full co-operation of the clubs, but sometimes under the difficulties of an external view.

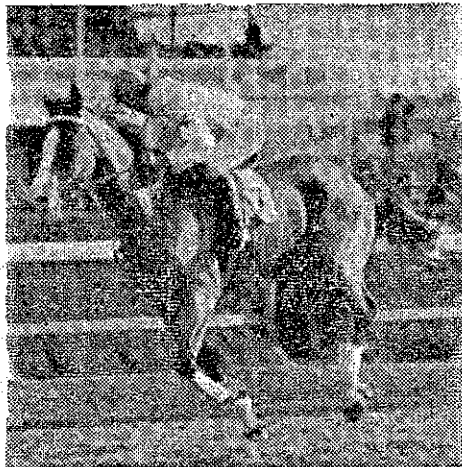
Broadcasting then ceased to be a feature of race-days, but the successful result of the recent negotiations that have been carried out between the Racing and Trotting Conferences and the Broadcasting Board gives the Board official sanction to include descriptions of meetings in its programmes.

Not only was the Canterbury Park meeting of June, 1926, the first to be described by radio, but it was one of the first in the world to be so treated. In the following month, the Grand National races were broadcast, but not from the course. The C.J.C. committee did not desire any possible distraction of its officials or patrons, but gave permission, provided the announcer, Mr. Allan R. Allardyce, made his own arrangements. The result was that those not present at the meeting were given his vivid, racy descriptions from a haystack, the late Mr. J. McCombe allowing the use of his private telephone for the purpose.

THE success of this broadcast persuaded the club officers to allow the announcer to be installed on one of the stands for its next fixture, the New Zealand Cup meeting in November of that year.

The first broadcast of a race gathering held at Ellerslie, the Auckland course, was in December. Two days of the W.R.C. July meeting were broadcast in the following season. This was a week prior to the official opening of station 2YA, and the Ranfurly Shield match on July 9, 1927, and the racing were really test programmes. The initial Dunedin trotting radio was at the Forbury Park meeting in November, and the last meeting to be broadcast under official auspices was the Wellington winter meeting, 1928—four years ago.

Among racing executives there has been a diversity of opinion on the advisability of using the radio as an adjunct to racing. On the one hand, it was argued that as the meetings were of interest to many thousands unable to attend them, clubs were acting in the public interest in permitting broadcasting, and were also helping the sport by this simultaneous publicity. On the other hand, it was contended that broadcasting was an incentive to patrons of the sport to stay at home and bet with a bookmaker.



Editorial Notes

Wellington, Friday, August 12, 1932.

AS we expected, the general response to the report of the Coverage Commission has been on a high level of appreciation. The Press has appreciated the broad national basis on which the members of the Commission reported, and supports the conception outlined of one comprehensive scheme destined to give the most effective coverage to both city and country interests.

THE "Radio Record" from its inception has insisted that, in view of the extensive area of the Dominion on the one hand, and the relatively small population on the other, there was room in the Dominion for only one main scheme, deriving support from the funds of listeners. While that policy has always had our support, we have appreciated the supplementary service rendered by the minor stations, and have been content to leave the question of supplementary aid to those stations in the hands of the financial authority as and when, from their analysis of the revenues, they felt able to distribute financial aid. It is gratifying to know that the revenue is expanding at a rate possible to permit of a little being done in the direction of rounding out the major stations by assistance to what are known in New Zealand as "B" stations and the establishment of relay stations. That is highly satisfactory, but it must be borne in mind that this supplementary service must always be subsidiary to the main scheme. The major interest requires the establishment at the earliest possible moment of the big stations in the most favourable situation for giving maximum coverage.

WHILE the broad scope of the report has met with approbation, it is to be noted that already in some quarters sectional interests are at work with a view to nibbling at the comprehensiveness of the scheme, in order to secure specialised sectional support. In Palmerston North we notice a public meeting was convened to urge the presentation of a petition to the Broadcasting Board in favour of that local station which is not being subsidised by the Board. It is likely, we understand, that similar movements will be instituted in other provincial towns in the hope of breaking the Board from its considered national policy as laid down in the official report, and by popular clamour jockeying it into piecemeal assistance to the stations instituting the claim. This policy, we venture to predict, is foredoomed to failure, and rightly so. This is essentially a matter on which the general interests of the country must rise paramount to sectional desires. Listeners in general, we believe, will support the Board in the view that in the Coverage Commission they have secured the best expert and considered opinion of the country. Therein has been laid down a plan calculated to give the maximum benefit to all interests. If that plan is to be subject to the bombardment of special pleas from one point and another in the hope of securing localised support, then the outcome can only be disastrous. The Board's revenues must be concentrated to give the maximum efficiency. If they are to be dissipated in dribs and drabs and in duplicate subsidies to small stations in provincial areas, then the general body of listeners will not de-

rive that benefit from the Board's administration that they had hoped for.

WE feel certain from our knowledge of the Board that movements of the character indicated will not succeed, and that in point of fact effort in that direction will only be wasted by the parties concerned. That outcome possibly will not prevent the effort being made, for those most intimately concerned will necessarily seek to create organisation and propaganda to back up their objective. New Zealand in

general seems particularly susceptible to organised popular clamour of this type. This is doubtless the price we pay for our democratic institutions and multiplicity of local bodies. In the Broadcasting Board, fortunately for listeners, there is an organisation based upon a different system of control. The Board is protected from invidious pressure by the nature of its appointment, and in that fact we see the best hope for a business-like and efficient administration of listeners' funds in order to give the public the best service possible.

In Phase and Out

By "Quadrant"

WE have pleasure in introducing Mr. Wallace, who will tell you all that the All Blacks did in Australia," murmured my loudspeaker the other night. I hushed everybody to dead silence and listened—but the title of the talk was misleading. He talked only of football.

THE week's joke. Our Wellington "B" station starts the day by playing, "Here Comes the Sun."

NEW ZEALAND'S Olympic dancing representative (a New Zealand girl resident in Los Angeles) surprised the Americans by broadcasting a haka from KFI, Los Angeles. A unique combination—a Maori chant articulated with the American accent, broadcast by a New Zealander going into the dancing arena in the world's greatest city of make-believe. They ought to hoist the New Zealand flag after that.

THE organisers of the Wellington community singing secured a scoop last week when they introduced the star artists of the "Blue Roses" Company. Probably they won't appear again at 2YA, but by no stretch of imagination can their appearance be called the Last Rose of Summer.

ON Sunday night 2YA's fading ring started a few feet from Mount Victoria. I expect next week's mailbag will tell us where it finished.

ON hearing the wrestling described from 1YA recently one was reminded of the prize-winning efforts of a Wellington announcer last year who amused his audience by describing a match in terms of "He cannot get out—yes he is." After having read up a few of the terms, he was at least entertaining. That announcer did much to popularise that station and wrestling in Wellington. Incidentally I went to the Town Hall just to see "How he did get out of it."

I HEARD WMAQ, Chicago, the other afternoon—but not on my radio. That station plays a key part in a picture now running in the city. The de-

tails are well worked out—one is introduced to the station from the listener angle, then taken into the talks studio, later shown into the sound-proof glassed-in studio where one can see but not hear people talking, then back to the home.

"THEM men is wrasling," my radio informed me one night last week, but it didn't get a chance to tell me anything else in that strain. The switch was up like a shot. That is not broadcasting as she is spoke.

DON'T some people get nasty thoughts. An Australian radio paper reporting the meeting at which Captain Eckersley presented his recommendations for eight new stations, stated that some of the engineers present thought the report would not cut any ice because the famous Captain had been brought out by a private company who possibly might make a pound or two out of the scheme!

THE B.B.C. recently took their listeners on the journey that various members of the Ottawa Conference will travel. It was an interesting account of the various parts of the Empire—but when he came to New Zealand this is what went over, "And now we are leaving Wellington, New Zealand; mind, hold on your hats," and then followed the imitated shrieking of a howling southerly. Hardly fair—particularly as Wellington is not really windy.

ILLUSTRATE Your Goods and SELL Them

Those who buy for the home, farm, office or factory have one thing in common. They usually buy the things that look best for the price. Whether their buying is influenced by newspaper advertisement or catalogue they purchase the goods pictured and described to the best advantage.

Your product can be successfully pictured if you use "Dominion" illustration blocks. Made by craftsmen who know how to produce the best results for every class of printing, they give unusual satisfaction. Let us help you with your illustration problems.

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WELLINGTON

Day and Night Service



Jensen
SETS THE PACE!
By every test—
Jensen
DYNAMIC SPEAKERS
ARE SUPERIOR

W.E.A. Talks

Several New Series

Biological Aspects of Life, by Miss D. Spence-Sales, M.A., from 2YA.

Thursday, August 18—I, "Nature or Nurture?"

Thursday, August 25—II, "Adaptation."

Thursday, September 1—III, "The Meaning of Disease."

Thursday, September 8—IV, "The Control of Life."

Maori and Pakeha, by Dr. I. L. G. Sutherland, from 2YA.

Saturday, August 20—I, "The Maori as He Was."

Saturday, August 27—II, "The Coming of the Pakeha."

Saturday, September 3—III, "The Destruction of Maori Life."

Saturday, September 10—IV, "The Maori To-day."

Talks From 3YA—Some Aspects of Astronomy, by Mr. A. W. Tucker, M.A., B.Sc., F.R.A.S.

Friday, August 19—I, "The Moon and Its Origin."

Friday, August 26—II, "The Solar Systems."

Friday, September 2—III, "Is the Planet Mars Inhabited?"

Friday, September 9—IV, "Comets and Meteors."

Life in Ancient Greece, by Dr. H. D. Broadhead.

Monday, August 22—I, "Greek Forms of Government—Their Evolution."

Monday, August 29—II, "Greek Democracy."

Monday, September 5—III, "Social Life in Greece."

Monday, September 12—IV, "Greek Thought and Art."

Agricultural Talks from
1YA

AGRICULTURAL Talks scheduled for 1YA in the near future are:—

August 8—"Roots for Winter Feeding," Mr. Woodyear Smith.

August 15—"Nitrogenous and Potassic Fertilisers," Dr. Shephard.

August 22—"Spring-Sown Cereals," Mr. P. W. Smallfield.

August 29—"Root and Forage Crops for Summer Feeding," Mr. Alexander.

September 5—"Seasonal Notes," Mr. Woodyear Smith.

September 12—"Soil Improvement," Dr. Shephard.

September 19—"Preparatory Work for Hay and Ensilage Harvest," Mr. P. W. Smallfield.

September 26—"Lucerne," Mr. Alexander.

THE U.S.A. Federal Radio Commission has revised its ruling dealing with the announcing of gramophone records and electrical transcriptions with the object of impressing upon stations and listeners the difference between the two methods. Electrical transcriptions are made exclusively for broadcasting, and are expensive to produce. The ruling has been made necessary by reports of many fraudulent announcements of ordinary gramophone records as electrical transcriptions.

Literary Competition

First Section Next Week

Purple Patches from Pre-Victorian Authors

ON Monday, Tuesday, Wednesday, and Thursday evenings of next week, at 7.30 p.m., the first section of the "Radio Record's" Literary Competitions will be broadcast from each of the four YA stations, as follows:—

Monday, August 15, 4YA.

Tuesday, August 16, 1YA.

Wednesday, August 17, 2YA.

Thursday, August 18, 3YA.

These competitions—they are different from each station—have been arranged so that they will provide novel entertainment for all listeners, and at the same time give them in tabloid form a review of the literature of the world from the earliest days of civilised man to the best-known books of authors still living.

The competitions will occupy approximately half an hour on three evenings from each station, each of the three sections covering a definite period in the history of literature. The first section, to be broadcast next week, deals with some of the earliest writings known to man; the literature of the Middle Ages; the Renaissance; and writers of the 18th century.

From each station next week eight selected passages from famous books or poems will be read to listeners, who are invited to locate them and name their authors. Prior to reading each passage the announcer will give a brief biographical sketch of the writer of each excerpt, this tabloid biography giving sufficient details to enable listeners to trace the author in any standard reference work.

Listeners who intend to compete for the prizes, totalling £20, should make

notes of the birth dates of the various writers, and any other dates quoted, as these will assist them in placing the authors.

To facilitate the locating of the various extracts quoted, the "Radio Record" will publish in its next issue the opening and closing phrases of the various passages read.

Points will be awarded as follow to those who take part in the competitions:—

To the listener who correctly names the author of any quotation 1 point

For naming the book or poem from which the quoted extract is taken 1 point

To the listener who locates the actual chapter or verse of any such quotation 1 point

Making a total of 3 points for each quotation.

The first prize in respect of each station will be £3, with a second prize of £1. A special prize of £1 will be awarded in respect of each station to the primary or secondary school student who submits the best entry. Listeners may enter for the competition from any, or all, of the YA stations, and students may submit two entries, one in the general section and one for the special prize. It is thus possible for an adult listener to win £12, or for a student to win £16.

The closing date for the receipt of entries, which should be addressed "Competition," care "Radio Record," will be September 17, and the prize winners will be announced in the "Radio Record." The decision of the editor will be final.

Australian Radio Licenses

Appreciable Quarterly Increase

AN increase of nearly 20,000 licenses in three months is revealed by statistics showing the number of licenses in force in Australia as at June 30, 1932. At the end of the preceding quarter the grand total was 350,661. Details of the latest figures are as follow:—

State.	No. population	Ratio to 100 of
New South Wales ..	141,745	5.68
Victoria	139,592	7.75
Queensland	29,060	3.02
South Australia ...	37,235	6.36
Western Australia ..	12,746	3.02
Tasmania	9,567	4.28
Commonwealth ..	369,945	5.67

A Novel Competition

THE "Manchester Guardian" recently held a competition for the best broadcast announcement of an impending and inevitable catastrophe. The replies were numerous and varied from the dignified to the satirical. One announcement of an impending collision between the earth and the planet Eros concluded cynically: "A thanksgiving service will be held in St. Paul's this evening at eight o'clock. This will be broadcast in the national programme." Another contribution ended as follows: "And there is just one announcement to make. The very interesting lecture by Prof. I. Knowall on 'The Impending and Inevitable World Catastrophe' is on sale at all news agents. We advise listeners to get a copy at once as the catastrophe is due at midnight. That is the end of the news bulletin. Good-bye, everybody! Good-bye!"

FOR SALE or EXCHANGE

The rate for small advertisements under this heading is 1/6 cash for 20 words, and twopence for every other word thereafter.
1 SET Super 60 Coils, £2/5/-; 6 Osram 2-Volt Valves for set, £2/5/-, 6 months' use. Newick, Puhol.

Over 74,000 Licenses in Force

Surprising Increase in Dealer's Licenses

A COMPARISON of license statistics as at June 30 last (given below) with those of the preceding month, reveals a surprising increase of 99 in the number of radio dealers' licenses in force. An increase of 4330 over last month's grand total is also recorded, the total number of licenses now in force being 74,812.

DISTRICT.	CLASS OF LICENSE.					
	Receiving	Dealers'	Transmitting	Experimental	Special	Free
Auckland	20,605	289	113	—	—	100
Canterbury	11,592	177	126	—	1	46
Otago	9,490	140	80	1	—	31
Wellington	31,290	458	208	4	—	61
	72,977	1064	527	5	1	238

Grand Total: 74,812.

BUY NATIONAL VALVES
THEY ARE GUARANTEED TO BE BETTER THAN ANY OTHER RADIO VALVE ON THE MARKET

Overseas News.

THE case for the "B" class station is still a subject for much discussion. Now that the B.B. will give financial assistance to some, we trust that steps will be taken to help the others, especially those in the cities, to obtain some means of assistance. I think advertising to a degree should be permitted in some cases; such as 1ZR, 2ZW, 8ZO and 4ZL, for example. These stations have given the listener a comprehensive service, and, supposing that advertising items limited to 1 to 2 minutes between musical items, say, every 15 minutes, were permitted, the general listener would, I am sure, give such a suggestion his approval. Could this not be put to the vote of the license payer?

As one who much appreciated the "News Bulletin" from 2ZW, I think that the regulations appertaining to the overseas news by radio should be modified.

Our Mail Bag

doing great work and every child who helps does a lot for the other children's little play-hour. The remarks are entirely unjustified. To be rude at all is a mistake; to be rude publicly without justification to ladies and gentlemen doing the work 2YA's staff are doing is unpardonable. Add the cowardly cloak of a non-de-plume and find a word to express it, for I cannot. I remain a full-time listener to 2YA's children's hour.—John Drewitt, A.M.I.E.E., A.M.I.Mar.E., Eng. Lt.-Cr. R.N. (S.R.).

"The Flowers are Not for You to Pick."

WHY such a boost for "The Flowers are Not for You to Pick," which is boosted in no less than three places in this week's "Record"? You say, "The standard of broadcasting would be much improved if we had more of the class of this play." With all respect to you, thank goodness you do not have the arranging of the YA programmes. They are bad enough now, and as a mere listener who pays his 30/- a year for the YA stations, all I can say is thank God for the B stations. Now I quite realise it is truly remarkable how opinions differ individually, and I would not have bothered to write to you, but in this instance the opinions of quite a number of radio friends who happened to tune in to Wellington that night, and listen to as much as they could bear of the play, together with the opinion of this household, is that the play in question, for want of a bet-

ter word, is absolute "tripe." Not one opinion but your own have I heard to the contrary, which compels me to write and challenge your criticism.—H. Vern (Auckland).

The Ether.

IN the "Radio Record," July 22, I notice a paragraph on page 7, column 3, relating to the house flag of the B.B.C. Part of the paragraph reads: "The planet Pluto is not represented on the flag, possibly because it may be thought by the College of Arms that the ether does not extend that far." It appears to me that there is a great deal of controversy as to whether there is such a medium as ether. Steinmetz said, "There are no ether waves." He also pointed out that the conception of the ether is one of those hypotheses made in an attempt to explain some scientific difficulty, and held it to be merely conservatism which has kept science from abandoning the ethereal hypothesis. Einstein also disbelieves that an ethereal medium exists. Taking into consideration what is printed about the ether as regards Pluto leads one to believe that the ether does exist. Can you or any of the numerous perusers of the "Radio Record" explain which of the two theories is correct? Does the propagation of radio waves depend upon the ether, or are they only an electromagnetic phenomenon?—Fred. J. Martin (Waipawa).

[Electro magnetic strains can be set up irrespective of whether the bodies

causing the strain are in a vacuum or not. These strains must be in something, and this something is held to be the ether.—Ed.]

Re Short-wave News.

I THINK it is a great pity that the Government has issued orders that short-wave news received by B stations cannot be broadcast. I think that listeners will disagree with such regulations, as I do not see harm in the procedure. The sooner the authorities take steps to make tramway authorities and others eliminate as far as possible r.f. disturbance the better for persons residing near or in Rintoul Street vicinity. Every possible means has been used by myself to overcome this interference, but without result.—R.B. (Wellington South).



Madame Annette Chapman

who recently made a successful debut before a Dunedin audience at Dr. Galway's organ recital, studied for three years at the Royal Conservatorium of Music, Leipzig, under the famous Professor Marie Hedmondt. Madame Chapman has a charming personality and a cultured, rich, mezzo voice, and should be a valuable acquisition to the musical circles of Dunedin. With Miss Kao Oliver, pianiste, she will present a half-hour recital from 4YA on Wednesday, August 10.

fied. Are the YA's also to cease giving sporting and other results from overseas? Clearly this step is retrogressive.

A "breakfast session"—well done, 2ZW. It takes the B class to show what the listener wants. No wonder Captain Eckerly, in his talk on broadcasting in Australia, said to the people of Australia, "Hang on to your B class stations." I think that can apply here.—All Wave (Wellington).

4T "On the Mat."

DX4T's remarks on the 2YA's children's hour do not meet with my approval, or that of any listeners to whom I have spoken. The staff are

Festival of Drama

Trophies For New Zealand Talent

THE aims and objective of the British Drama League, of which a New Zealand branch has just been established, were explained to listeners by Miss Elizabeth Blake on Monday evening. Miss Blake is an enthusiast for the drama, and recently visited England for the purpose of making closer contact with the British Drama League and taking part in one of their summer festivals.

In England a great deal of popular support has been accorded the League in its objective of assisting the development of the art of the theatre and promoting a right relation between drama and the life of the community, and especially of raising the standard of production in amateur societies by affording them the opportunity of receiving criticism from an impartial adjudicator, and of testing their work before the public. In New Zealand it is planned to promote a national festival in the near future. Teams will consist wholly of amateurs, and must be drawn from bona fide amateur organisations. Areas are being established throughout the country, and in each area an individual festival will be held, following which the winners in each area will take part in a national festival.

With a view to encouraging the performance of original plays at these festivals, the "N.Z. Dairy Exporter" and the "Radio Record" are giving two trophies. The first will be known as the "Dairy Exporter" Trophy, and will be awarded for the best one-act play written by a New Zealand author and produced during the festival.

The second will be known as the "Radio Record" Trophy, and will be awarded for the best play by a New Zealand author whose plays have hitherto been unpublished.

The trophies will be competed for annually, winners retaining permanent replicas.

A general invitation is being given to those who have produced suitable MSS. to send them to the judge at 18 Selwyn Terrace, Wellington, not later than September 15.

The awards in connection with these trophies will be made by the British Drama League (New Zealand Branch).



Miss Joan Laird,

2ZW's new lady announcer, Miss Laird, who possesses a delightful soprano voice which broadcasts well, is well-known in Auckland musical circles and to IYA listeners generally. When in London she was one of 250 chosen out of 6000 to form the British Broadcasting National Choir. As "Auntie Joan" she conducts the 2ZW Children's Session on Wednesdays, and is already very popular with the younger folk. A feature of her children's hour last Wednesday was her talk about "Cocky," a bird of great sagacity and vocal powers, who is to broadcast shortly. Judging by the sheaf of correspondence Aunt Joan has received concerning him, this broadcast is eagerly looked forward to by some hundreds of little listeners.

—Crown Studios, photo.

STATIC

by
"SPARK"

I HAVE read that the parabolic "mike" gathers sounds from varying distances and makes a coherent ensemble, but being as a child in the matter of microphones and their scientific placing, I am diffident about suggesting that such an instrument might have been useful at the Symphony Orchestra's last memorable concert. In the organ concerto there was a very irritating lag in the organ, which was the more regrettable as the work was so ably performed. I would not suggest that this was due to our city organist being unable to keep pace with the conductor, who was afar off. The mirrored reflection of the beat travelled at the speed of light, but there is no doubt about the notes of the violins arriving at the microphone before the notes from the organ. Listeners unaware of the placing of the orchestra with reference to the organ, might be led to think that the orchestral unit was endeavouring to finish first. It appears to me that if the pipes of the organ were damped with cotton wool the instrument might be moved into the orchestral stalls and thus not suffer the handicap of being placed behind scratch. "1812" did not impress me one little bit. Frankly it was too beefy for my loud speaker.

ETHER was once defined by Lord Salisbury as a word designed to provide a nominative case for the verb "to undulate." Dr. W. F. G. Swann, of the Franklin Institute, has now Americanised this as follows: "The ether is a medium invented by man for the purpose of propagating his misconceptions from one place to another. Of all suitable fluids invented for the stimulation of the imagination, it is the only one which, so far, has not been prohibited."

AT short notice Dr. J. Hight took the place of Dr. Hansen at 3YA and expanded his recent talk on "London and New York." Dr. Hight is always interesting, and in these brief talks he has been delightful. In his appreciation of New York's architecture, which the American has cause to be proud of, and some cause for patriotic boasting, the Professor has not failed to value the utility characteristic of the city's great and wonderful creations. His very English audience in Christchurch might have suffered some pain, however, when reference was made to the symphonies in stone that England glories in. These were built by our common ancestors and the American is thus permitted to take as much pride in them as we may. I'm sure Dr. Hight has not exhausted the sub-

The Week's Best Par

Dad on Wireless

DAD, who is a great wireless enthusiast, is wont to read aloud any new radio advertisement that he may see in the newspapers. The other evening he had just commenced to read aloud: "What can you get on *your* radio," when Ma turned round as though she was waiting for this opportunity and quietly informed him that, as a rule, she gets about six "Radio Records," a "Radio Guide," several newspapers, pen and paper, and also his pipe and tobacco on our radio every morning. Dad has taken the hint and now our radio is always tidy in the mornings.—"Suesette."

This paragraph won for "Suesette" Spark's 5/- prize, which is awarded to the best original par of the week. Address "Spark," Box 1032, Wellington.

ject, and everybody would like to hear more of the "pincushion in profile."

THE broadcasting position in Europe is causing much concern to all affected interests and the proceedings of the International Wireless Convention, to be held in Madrid next month will have the attention of all broadcasters. Everywhere there appears to be a race for aerial power supremacy. Ireland has just completed her Athlone 60 k.w. station, which may in the future be increased to 120 k.w. Germany is about to see the realisation of her plan, with the 150 k.w. stations in Hamburg and Berlin and the completion of stations ranging from 50 to 150 k.w. in Leipzig, Breslau and Munich. Poland has her 157 k.w. transmitter, Denmark one in the 100 k.w. class, and Luxembourg is erecting a station, for sponsored programmes, that will have an aerial energy of 200 k.w. In addition to the new regional station at Falkirk of 60 k.w., Britain proposes building two more super-powered stations, and the Ferrie plan for France, which proposes to establish stations in the 100 k.w. class all over the country, in a manner similar to that obtaining in Britain and Germany, is merely awaiting stability in political circles for the materialisation of the programme. Italy has almost completed her network of super-power stations; Hungary is replacing her 20 k.w. transmitter with one of 150 k.w. rating, and a

network of subsidiary stations. Norway and Sweden have an increased power plan and Spain is awaiting a favourable opportunity to establish a national network of stations ranging from 10 k.w. to 100 k.w. In Europe to-day quite simple sets can receive stations a thousand miles distant, although separation is difficult. The crowding of the waveband allows a channel of 9 kilocycles and interference is common with the increase in aerial power. Added to these disturbing problems is the Russian plan to compel Western Europe to listen to her propaganda. The Soviet stations at Moscow and Leningrad are a continual source of annoyance to listeners in other parts of Europe, and possibly interfere greatly with her own stations as well. Russia does not belong to the International Broadcasting Union and in consequence has not accepted the terms of the Prague Agreement, which regulate the wave length and suggest a limit of 150 k.w. power. Russia uses any wavelength and her new main stations are said to have a power of 300 k.w. Representations have been made to Russia by the diplomatic corps of various countries without avail, and Russia's extremely aggressive political propaganda is disseminated wirelessly throughout Europe in the more commonly spoken languages. All protests are met with increased activities and it is stated that new stations of 1000 k.w. and over are contemplated. How the Madrid Convention will propose to subjugate the Russian remains to be seen.

RESUMING his talks on "Man and His Social Institutions," Professor T. A. Hunter, from 2YA, subtitled his last talk, "Poverty in an Age of Plenty," and in this it was clearly shown how man's permanent institutions may be a hindrance to his social progress. In preceding talks it was shown how man organised his institutions to support and preserve the individual and the race. Attention was directed to the contradiction of the modern world which had progressed so marvellously in the application of physical science, but which had failed to progress to a similar degree in social science. In other ages man's economic theories had been dominated by an idea of scarcity. This had good reason for existence. For tens of thousands of years primitive man spent practically the whole of his life trying to satisfy hunger.

Even when our ancestors settled down to cultivate the agricultural arts disasters were frequent, and although one region might have been ample, other parts suffered from famine and limited transport means were unable to adjust a balance. Storage and saving therefore became innate in man and his economic theories were reflected from this characteristic.

Times, however, have changed, and the difficulty is the recognition of this fact. The problem of production has undergone a revolution, but the problem of distribution remains to be solved. Man has now the power to produce enough for all, and his means of transport are capable of dealing with any difficulty that may arise in respect to regional scarcity.

The present generation has grown up in a world of science and is unaware of the revolution that has taken place, as may be seen by the practical non-adjustment to social institutions that the change demands. As an instance of this change it is estimated that the work done annually in the United States would require the physical energy of 3000 million slaves were it not for the application of science to production. This estimate is based upon present day business principles, which are by no means perfect, and it is contended that by the application of scientific principles production could be still further very largely increased—and this in addition to the destruction of commodities that accompanies a fall in prices. Even this country has a carry-over of 200,000 bales of wool, and charity asks for old woollen garments to keep some of its citizens warm.

In an age of plenty we live in an

A very Selective Distance-Getter with Remarkable Tone!



NEW AND BRITISH

THE New 730A Radioplayer is the last word in modern radio design—modern in appearance, a product of the cleverest radio engineers of the age! Station after station comes in with unflinching regularity, distance seems to be no object with this amazing 6-valve set! And its tone is rich and startlingly life-like; this is due to the NEW type of dynamic speaker evolved by PHILIPS.

Hear it and judge for yourself—and remember, it is BRITISH made, incorporating long-wave tuning.

See the name PHILIPS on every Radio set.

Six Valve Set
£29-10

PHILIPS
radioplayers

Advertisements of Philips Lamps (New Zealand) Limited, P.O. Box 1673, Wellington. W106R.

age of social muddlement—but in war when the present system of industrial organisation is suspended temporarily, men and women are assets, to become liabilities again when our normal social structure is resumed.

A fact of great importance is the lack of stable currency. Our economics cannot be placed upon a stable



Two Sketches,

"Mr. Guppy's Proposal"

(Dickens)

And

"The Waxworks Watchman"

(Wilcock).

Will be presented by
Mr. and Mrs. J. W. Bailey
from 2YA on August 19.



basis while fluctuations permit gambling methods. Industry must have its standards in weight, length and capacity, but the exchange medium is subject to extraordinary instability and we have failed to appreciate the essential character of money for social purposes. It seems clear that nothing short of a radical reorganisation of the ground plan of our social system will meet the altered conditions of existence and man must experiment in new social institutions if ordered progress is to result from his discoveries in the field of physical science.

Professor Hunter's lucid explanations and theories are not a mass of bewildering figures, but plain statements of facts imperfectly realised by the man in the street, and this timely series of lectures have the very widest appeal.

SURELY no one with a shilling or so not already mortgaged could resist the appeal of Canon Fielden Taylor from 2ZW for the where-withal to carry on the work of the City Mission. With the bitterly cold weather, the claims upon the Mission by our unfortunate brothers and sisters are taxing the resources and optimism of the band of true Christian workers who give so much time to the relief of distress. Wearing apparel of every description is needed urgently. 2000 extra meals per month are called for. Although hundreds of pairs of socks have been received during the last few weeks, Canon Taylor mentions that with the exception of the pair that he was wearing he was sockless. The call for these articles was so urgent that an impassioned appeal was made for listeners to do whatever they could to help supply the need.

RADIO is developing a new type of English, which although not spoken, is understood by more than

30,000 amateurs throughout the world. Recently this message of dots, dashes and spaces was ejected into the blue. "Tks om fr cl hrd u wkg wid sum vk ts am ur sigs vy gud vx tdy fb fr dx nil grn grm hr wl ob gess' nm hr wl sa gm pse gsl ur erd gld 2 gso es hpe eu agn vy 73 es gl."

Translated for the layman, this reads: "Thanks, old man, for the call. I heard you communicating with some of the Australian amateurs this morning. Weather to-day is excellent for long-distance communication, no static or interference here. Well, old boy, I guess there is nothing more here, so I will say good morning. Please send me your card. I am glad to have communicated with you, and hope to do so again. Very best regards, and good luck."

There is still another "language" used by amateur operators. It is international in scope and can be understood as well by the Russian Chinese, Spaniard, German or the English-speaking amateur. It is the Q system of communication. This is understood by more than 50,000 amateurs and telegraphists, but it has a limited vocabulary. It is intended specifically for the transmission of intelligence bearing directly upon radio communication and not for the transmission of messages, but there appear to be distinct possibilities for the development of a universal language with the increase of amateur transmitters.

IN his series "Makers of New Zealand," Mr. L. R. Palmer, from

Extended Hours

Prompt Institution Likely

WE understand that the increase of hours at 1YA, Auckland, will probably commence about the second week in the month of September, and that the adoption of longer hours of service at 3YA and 4YA will follow shortly after that period.

2YA, took for his subject "The Rt. Honourable R. J. Seddon." In asserting that "King Dick" could not be left out of any analysis of the portraits of great men who had made this country what it is, Mr. Palmer emphasised the fact that contemporaneous with Seddon were men of brilliance. Their association with the great radical tempered the derision that greeted Mr. Seddon's rise to power, both within and without the country. As Seddon became known his very human qualities did more to disarm opposition, however, than did the association of deep thinking men of social standing. Reference to the incident when their Majesties the King and Queen were in New Zealand as the Duke and Duchess of York, after opening the first Australian Federal Parliament, supplies an index to Seddon's character. The Duke and Duchess were sitting some

distance apart and Seddon remarked loudly to the Duchess: "Why don't you sit nearer your husband. People will think you have had a row." Seddon was not a great reader or a great thinker, but he understood men and was able to read most men like an open book. Although he became a great New Zealander he remained a Lancashireman. I remember his calling a fellow member of the House a "mouldy wort," which, when called upon to explain in English that could be understood by all, he described as a little animal that was blind, that grovelled in the dirt, and did not know where it was going, and that "mouldy wort" was Lancashire for the little black mole. The member to whom the epithet was applied was very dark and small, and the laugh that greeted the explanation was enjoyed by all. Perhaps the greatest laugh turned against Seddon was when Sir Ernest Rutherford's father remarked that all efforts of Seddon to make New Zealand prosperous could not equal a good shower of rain. Seddon's legislation will present a better outline in years to come when much of it has been modified or expanded. A period of depression similar to the present, when ten per cent. cuts were the order of the day and soup kitchens were established for the unemployed, followed upon the Vogel administration. Seddon's advent coincided with the start of an era of world prosperity and the Vogel optimism returned. New Zealand was pawned at a faster rate than during Seddon's immediate predecessor's time, and the expanded suffrage gave successive politicians a wider field for promises. Promises, like bones to a hungry dog, have resulted in our being pawned to almost the limit, and Uncle now looks askance at us. In my opinion much of the Seddon legislation was mere window dressing to proclaim to the world that we were the most advanced country on earth, but the pawn ticket was kept under the counter for a less self-reliant posterity to redeem.

GERMANY is mourning the death of Berlin's favourite announcer, Herr Carl Wessel, whose pleasing voice and manner was well-known beyond the confines of Germany's frontiers. Herr Wessel had been the most popular of announcers in Berlin from the early days of broadcasting, and although formality made severe restrictions his cheerfulness was unrestrained. The Berlin station devoted a special quarter-hour to his memory.

Jensen
SETS THE PACE!
By every test—
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DYNAMIC SPEAKERS
ARE SUPERIOR

Children's Sessions

FROM 2YA.

Thursday, August 11.—Cousin Valerie and Cousin Topp are going to take Big Brother Jack and the radioland children to Fairyland to-night. The Fairy Cane will call at the Studio at five o'clock, and you are to have a drive through Fairyland later in the Fairy Coach driven by two grasshoppers in cocked hats.

Friday.—All the performers to-night are about four years old, and Wool Woman has promised to take them to Pretend Farm on "Old Sheehey," and there's room for Uncle Jim, too. Won't the little ones love it?

Saturday.—Aunt Molly and Uncle Jasper have just received a fairy cable from New York from Cousin Dorothy inviting them to leave at five o'clock to-night in the aeroplane to stay with her and see the sights of New York. Cyril and Spot have been invited, too.

Sunday.—The Children's Evening Song Service will be conducted by Uncle George. The Children's Choir from St. John's Presbyterian Church will assist Uncle George.

Monday.—Come along, boys! Would you like to join Cousin Jean and Aunt Jean when they go to visit the King of Iceland to-night? You'll have to put on snow helmets, goggles, and snow boots. Be ready for the Iceland Express at 5 o'clock sharp.

Tuesday.—We are going to visit Butterfly Land to-night, and meet all the Royal Family as well as the Naval Butterflies. "Red Admiral" has arranged our tour for us, and Jumbo and Jumuna are to be the guests of honour.

Wednesday.—The Snowflakes are giving a tennis party this evening, and as they are experts at this game radioland will be interested in the results. At half-time there will be a special story for you.

Thursday.—Cousin Hilda is bringing another little play for you called "The Princess So and So," and Big Brother Jack will send Birthday Greetings, and if you listen to the end of the session you will hear Cousin Jim tell you all about "The China Cow."

Friday.—The Wellingtonians again with their joyful choruses, songs, and recitations. Wool Woman has arranged to take them all to Pretend Farm, and Uncle Jim, too.

Saturday.—The Scouts from the Lower Hutt Group, under Scout Master Nelson, will be in the studio this evening, and Aunt Molly and Uncle Jasper will send Birthday Greetings.

Sunday.—The Children's Choir from the Taranaki Street Methodist Church will be here to-night. Uncle George will conduct the service.

Use Our Booking Offices in Advance

S-O-S

TRAVEL IN COMFORT BY
CAR

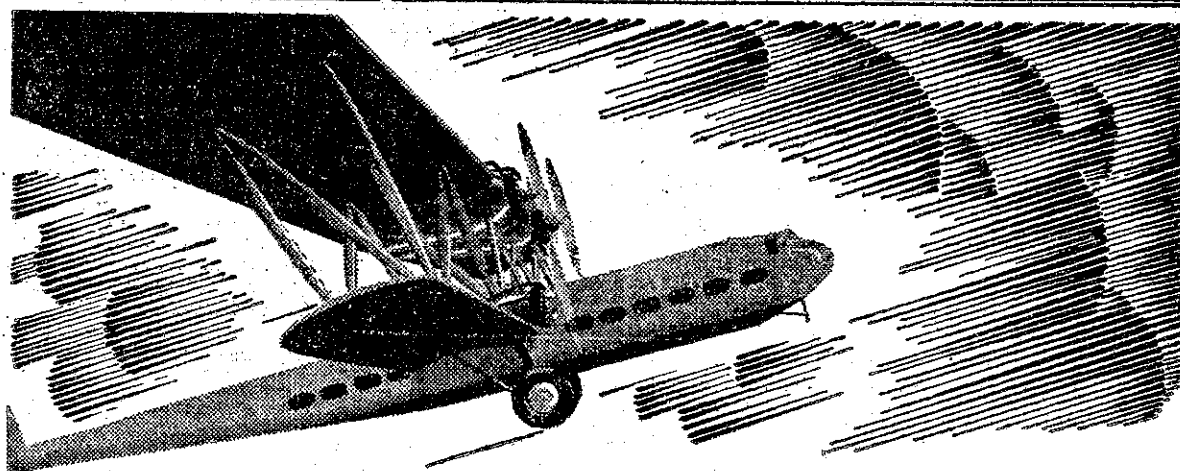
WELLINGTON - PALMERSTON
NEW PLYMOUTH

Unauthorised Broadcasts

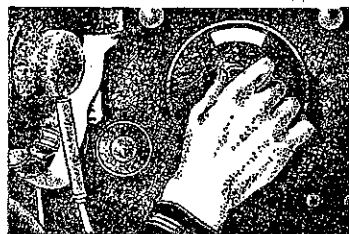
A SENSATIONAL incident occurred recently during a relay of dance music from a cafe in Warsaw. The date was the sixth anniversary of the coup d'etat of 1926. During an interval

a man's voice was heard in a reminiscent note marking the fact that the day was one for remembrance. Although immediate inspection followed the disconnecting of the power, it was not until next day that it was found that the transmission lines had been tapped

fourteen miles from the city. A similar incident occurred when the broadcasting station at Havana was raided and the staff held up with revolvers. The raiders took over the microphone and delivered an impassioned denunciation of the Government.



S.T.C. a vital factor in Hendon's record of safety



Since the installation of S.T.C. radio and telephone equipment at Hendon for maintaining verbal contact with air liners, the air services across the English Channel have flown on lines as sure as rails. Unfailing communication is maintained from 'drome to 'plane, and the pilot is never in doubt as to his whereabouts or uncertain of the conditions before him. The risk of accident is cut to a minimum, and passengers and 'plane are safeguarded. This is just one of the many vital services performed by S.T.C.

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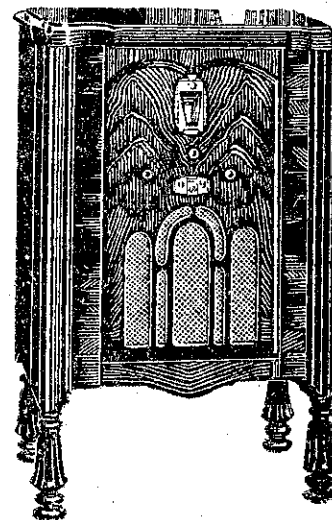
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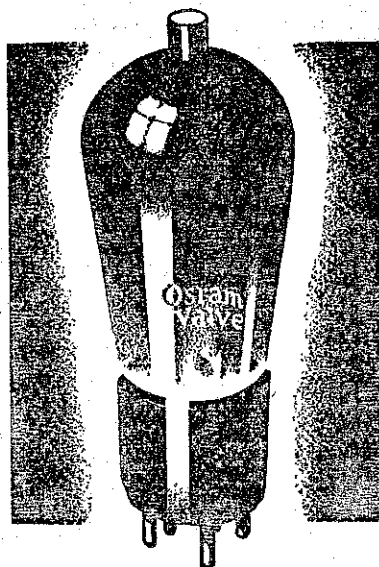
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Questions and Answers

R. F. PEAK (Hastings): Does double-banking the secondary winding cause the loss of much efficiency?

A.: Yes; it is not a wise plan, as the inductance is completely altered.

2. Below 325 metres I cannot get any peak on the first r.f. condenser.

A.: This points to inefficient coils. Having more turns on the primaries and making the coils exactly in accordance with specifications should get over this trouble.

3. There is an excessive roar when the set is tuned to the higher frequencies.

A.: This sounds as though your set is oscillating. If it is possible, try another screen-grid valve in each of the two sockets. It may be due to the detector, the grid-leak, or the layout of the set.

J. L. (Blenheim): Can I use iron wire properly insulated for a crystal set?

A.: Iron wire should not be used in radio work. We do not know how you intend to use it in your crystal set, but presume you will be better to use copper wire.

HOEPA (Auckland): The characteristics of your valve are the same as a Radiotron 171A, which are published in the "Radio Guide." It is almost identical with Dep. 610.

2. Have there been any circuits published in New Zealand of a one-valve shortwave a.c. adaptor for UY227 valves?

A.: Yes; in the 1930 "Radio Guide." Instead of the "B" battery rectifier a.c. may be used by connecting B+ to a suitable tapping on your a.c. set. You could leave out the .5 mfd. condenser in the plate circuit, connecting it directly to the r.f. choke and leave out the "B" battery and the a.f. choke.

ECONOMY THREE (Otago): Would the "Economy Three" get the four New Zealand "A" stations and any of the Australian stations if operated in Dunedin?

A.: That is more than we can say. It was published as a glorified local station receiver and with the condensers ganged as they are it would be questionable if it would have any dx capabilities. The "DX Four" described in this month's "Radio Times" would, we think, from your point of view, be a better proposition.

PUZZLED (Christchurch): I have recently replaced one of my transformers with one similar to the one already in the set and now the oscillation is violent and I cannot stop the howl.

A.: Try reversing the connections to the primary of one of those transformers. If this does not do, connect the two megohms grid-leak across one of the secondaries, or in series with the grid terminal of one of the transformers and the grid of the following valve.

J. T.S. (Auckland): I am desirous of making a battery set with an amplifier for a hall. Where could I obtain his information?

A.: The terms "a battery receiving set" are rather vague. If you wish to receive the local station only a two-valve set would be ample. Your best plan would be to make an r.f. and a detector stage and feed this into a push-pull amplifier. Off hand we cannot think of any publication which has given the specifications for such an outfit. We would be prepared to give you the circuit but not the complete specifications.

2. Could a book be published which would give the very latest information for amateurs?

A.: Yes; the "Radio Guide and Call Book" is a good basis.

X. Y.Z. (Whangarei): When I put my hand over the 227 detector the

volume and selectivity are improved out of sight. Otherwise it is not satisfactory. What is the trouble?

A.: Probably a defective valve. Either the 227 detector or one of the preceding 224's. Have the valves tested.

DX43MC (Woolston): Can I replace my valves by another make providing I use the same type?

A.: Yes, but select a standard make.

CODE (N. Auckland): Could you give me a circuit diagram for an audio oscillator suitable for code practice?

A.: Yes, if you write in the usual manner.

2. Which would give the best results, a reflex second harmonic super, or an autodyne, and how many turns would be needed for the oscillator coils?

A.: Probably the autodyne would be the better. The last part of your question is beyond the scope of "Q. and A."

3. Can the higher frequency harmonic be used with as much success as the lower frequency harmonic?—No.

O. K. (St. Albans): How many turns are required to tune between 69 and 90 metres, using a 3in. former and 24 d.c.c. for a secondary?

A.: Secondary 20 turns, reaction 6, primary 7.

WORLD (Owhango): I have an all-wave four-valve set, with B605 in the last stage. Would B443 give as much satisfaction as stage of push-pull with B605?

A.: The push-pull stage would give you a much greater power output, but B443 by far the greater lift. It would be preferable to match this to the speaker by means of a standard matching choke, as described by the "R.R."

TUNER (Rotorua): The tuner you sketch is quite satisfactory. An improved one is to be found in this month's "Radio Times." It is of the band pass type and would make your set far more selective.

A. B.C. (Palmerston North):—My 127 Arturus has burnt out. What is the best valve to replace it with?

A.: Any valve of the '27 class. Use only ones of the better-known makes.

"RECORD" Reader (Wellington):—Do the turns of the detector secondary and primary for the Multi-ma Pentode Three begin 3in. from the bottom of the coil former as in the r.f. coil?—Yes.

2. Is the bottom turn of the tickler in line with the bottom turn of the detector secondary and primary?

A.: No, the tickler should be on a level

Information Coupon

(To be used with all requests for information.)

Name of set

Model

Name

Address

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Nom de plume

To be kept in subsequent inquiries

Please Note:—

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- (2) Write legibly, and on one side of the paper.
- (3) We do not design circuits.
- (4) Limit three questions, unless 1/- is enclosed.
- (5) Postal queries limit three questions. Enclose stamped envelope and 1/- fee.

with the top turn, wound either over the top or on a collar underneath.

REVERBERATION (Martinborough).—I find my set reverberates badly when I use a push-pull amplifier comprising two 245's or two 247's. The tuner uses battery valves, and I find that by cutting out one of the r.f. stages in one tuner, and one of the intermediate in the superheterodyne, everything is satisfactory. This is not a microphonic detector.

A.: It is due probably to your trying to get a big output with valves of fairly delicate construction. You would be advised to use the more rugged 224 class of valve in the tuner. It may be necessary to pad the condensers from the chassis. A certain amount of vibration is caused the chassis, and this can be transmitted to the tuning condensers, even though they may be of the rugged type, so the practice is employed of suspending the condenser on rubber pads.

J. L. (Brooklyn).—My aerial is 40 feet at one end, 30 feet at the other, and 70 feet long. Would it be an improvement if I raised the 30 feet end to 40 feet?

A.: Yes, it is doubtful that you would get the results you anticipate. Your locality, probably, has more to do with the question than your aerial, which appears fairly satisfactory.

EDUCO (Taihape).—We have no trace of your previous correspondence.

BLUEY (Waiuku).—The two variable condensers of my set are ganged, and there is a small adjusting screw. How can I balance up the set?

A.: Tune to a station at about the middle of the dial, turn it down fairly low, then take a screw-driver with a wooden handle and adjust first the screw nearest the back of the set until the signals are either increased or decreased. Leave the screw in the position of maximum response. Now, do that for the other two. As a safeguard mark the position in which the adjusting condensers are, to commence with, so that if you do not get better results, at least put the set as it was before.

C. P. (Christchurch).—What alterations must I make to my Browning Drake to incorporate a power detector?

A.: Short cut the grid-leak and condenser, and take the grid return to 9 volts negative C battery. Take the + of this battery to "A—". Adjust "C—" until best results are obtained.

2. What difference is there in the construction of a powerpack for d.c. valves, and one made for a.c. valves?

A.: A powerpack for battery valves has, as far as the filament side is concerned a rectifier and smoothing apparatus. The a.c. has the filament winding only. On the "B" side both are more or less identical.

L. A. W. (Hastings).—How can I use a screen grid valve and a pentode in my Browning-Drake?

A.: The subject cannot be described in a few words, and we shall devote a short article to it in next month's "Radio Times."

2. I use a wet battery of 90 volts. Is it necessary to add to this?

A.: It would be preferable, as, for maximum operation, one needs 135 volts on the plate of the screen-grid and pentode valves. The pentode takes rather much B current.

3. What C battery will I need?

A.: About 15 volts.

NEVA (Wellington).—Can a powerpack be made to work from d.c. mains?

A.: Yes. Full details appeared in the "Radio Record" of October 17, 1929, and subsequent issues.

KAI (Wellington).—Can I rewind a six-volt dynamic speaker to have a 8000 ohms field?

A.: Yes. You will require about 3lb. of 38 gauge wire, and wind as much of this on as the space will take. The resistance if you can get it all on will be approximately 6500 ohms, and 32 milliamps. of current will be needed to energise it. The voltage drop will be approximately 200 volts.

J. F. (Waverley).—We cannot give you much help, because you have not told us the size of the coil formers. We do not like the idea of a 400 ohms. potentiometer being used as an r.f. choke, and we think your best plan would be to use your material in a better-known circuit, such as the "Night-Hawk Two," described in the "Radio Record." However, if you like to send us the size of your coil former, we shall tell you the number of turns that we think are required for your coils. Double-banking means winding one turn over the top of another, so that if you want to double-bank 20 turns, you first of all wind 10 on the former, and then go back and wind another 10 over the top. It is much better, however, to wind the turns in the ordinary solenoid fashion.

A. P. O. (Eketahuna).—We cannot tell you what the alterations would be, because, first, we do not know the particulars of the coils, and secondly, we are not familiar with the circuit which you intend to make.

2. A 224 should be a satisfactory valve for an a.c. set.

3. Would two A609's be used in the detector and audio stages?

A.: Yes, but if you use these valves you cannot use 224. This is an a.c. valve.

R. B. (Wellington).—I wish to match a 247 to a loudspeaker with an impedance of 3000 ohms. Is O.P.C.3 correct?

A.: As far as we can make out the ratios of this transformer will not suit your speaker. You will need a 1.5—1 ratio, and the lowest on O.P.M.30, which we think you mean, is 9—1.

2. As soon as my set is brought to a sensitive condition selectivity flattens. The volume from the local station with aerial on grid and the 3rd r.f. valve is very poor. All stages are decoupled and by-passed.

A.: If it is a home-constructed set you should have sent us the circuit. Without knowing how you control volume it is impossible to say why the selectivity should flatten. Just off-hand it seems that the 224 is not correctly matched to the 247, and maybe the 247 is not matched to the speaker. We are quite in the dark, however, without a circuit.

W. L. P. (Lower Hutt).—What is the number of turns to put on a 1.38-in. diameter coil for .0005 condensers, using 442 screen-grid valves?

A.: These particulars were given in the "Radio Guide," which you could have consulted. They are:—Secondary, 30 gauge enamel, 78 turns; aerial, primary, 30-36 wire wound over the top of the low potential end, or at a short distance from that end on the same former, 20-25 turns, depending upon the degree of selectivity desired.

2. Using .00035 condenser, what is the

(Continued on page 24.)

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"Cinematography and Talkies," by Cameron and Dubray, 28/-.
"Sound Pictures and Trouble Shooter's Manual," by Cameron and Rider, 46/-.
"Sound Pictures: Questions and Answers," by Cameron, 24/3.

"N.Z. Handbook Annual, 1932," 2/6. (With International Time Converter Supplement.)
"Radio Telegraphy & Telephony," by Duncan and Drew, 57/6. (Just out—every phase of radio science dealt with.)
"N.Z. Radio Guide and Call Book," 2/10.
"Radio Engineering Principles," (Lauer and Brown), 19/6.
"Radio Frequency Electrical Measurements," by Brown, 35/-.
"Radio Handbook," by Moyer and Westrel, 37/6. (An unfailing coach for exams.)
"Radio Receiving Tubes," by Moyer and Westrel, 21/-.
"Radio Construction and Repairing," by Moyer and Westrel, 21/-.
Loomis's "Radio Theory and Operating" (U.S.A.) 32/6. A good book for any amateur or operator.
Morecroft's new book "Experimental Radio Engineering" (51 experiments), 25/-.
"Practical Testing Systems," by Rider, 7/9.
"Radio Amateur Handbook" (Handy's 9th edition), 6/6.
"Wireless: The Modern Magic Carpet," by Ralph Stranger, 5/- (New stocks just arrived—The "Radio Record" and Mr. Dawson, Philips Lamps, say so, set owner should miss this.)
"Mathematics for Practical Men," by Howe, Simplicity itself, 10/9.
"Radio: A Study in First Principles," by Burns, 15/- (Simple and clear).
"Elements of Radio Communication," by Morecroft, 18/6.

(Please note there is a rise of approx. 35 per cent. on all American publications, and don't blame us.)

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Oamaru: J. Miller, Stationer, Tees St.
Palmerston North: Borham's Radio Service, 245 Main St. W.
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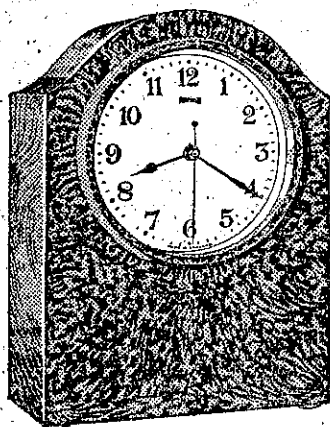
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News and Views of the DX Club

Identification Wanted

Foreign station on 1160 k.c. (258 m.),
heard on July 30 at 1.25 a.m. at strength
R5. Language appeared to be Japanese,
but the accompanying music was not
the usual heard from those stations—
GMC (Christchurch).

Japanese station heard from 1.30-2.30
a.m. on July 31 announcing as Japanese
experimental station. Mainly Japanese
music was broadcast. He was fading
badly, but at his best was R7, Q.S.A.3.
—12HB (Havelock North).

Stations Identified

124W (Wellington): Station on 620
k.c. (484 m.) is KZRM, Manila. Ad-
dress, Erlanger and Gilanger, Inc. Sta-
tion on 730 k.c. (411 m.) is XERL, Del
Rio, Texas. Address, P.O. Box 1083.

DX26HB: Your station on 1160 k.c.
is XGT, China (cannot catch the name
of the town). English and Chinese is
spoken. "Six Valve" (Christchurch):
Your station is undoubtedly HSPI on
850 k.c., and six strokes on a gong are
given at intervals. "Radio" (Welling-
ton): Your stations are as follow: (1)
XGT, China, 1160 k.c.; (2) XGY,
Hanchow, 970 k.c.; (3) HSPI, Bang-
kok, 850 k.c. It is possible you heard
ZBW, Victoria, Hong-Kong, on 845 k.c.
More likely to be the former, though.
I noticed in this week's "Radio Record"
no dxer had answered the previous
week's "Identifications Wanted." Here
they are: W.M. (Hikurangi): Your first
station is VUC, Calcutta, 810 k.c. DX
20HB: Your station is XGY, Hanchow,
970 k.c. R.P.R. (Timaru): Yes, I
have heard Bandoeng mentioned. Do
not know where the station is, though.
Other is XGT—"Omsk" (Whakatane).

DX Topics

DX Jottings.

STATION FYA, Paris, on 25.63m. may
be heard at approximately R9, QSA
5 on the speaker, from 9 to 10.30 a.m.,
when they close down. G5SW, Chelms-
ford, at 10 a.m., is rather gushy, being
only R3, QSA3. Reception on the broad-
cast band has been free from static these
past few days, and among the Americans
now at about R8, QSA5, between 5.30
p.m. and 8 p.m., are KGO, KFI, XER,
KMTR, KPO, KFRC, and WTAM.
—"Bob" (Wellington).

Station Particulars Wanted.

IS there a station in Java operating
between 1400 k.c. and 1500 k.c.?
Also, what is the frequency of station
XCBL, Shanghai? The Americans are
not very good at present. I heard
KMTR yesterday for the first time for
several months. How many dxers hold
a verification from VUL, Lahore, India,
and RLQO, Siberia?—"Omsk" (Whaka-
tane).

More "Questionable DX."

READING your article entitled "Ques-
tionable DX" in this month's "Ra-
dio Times" reminds me of a similar re-
quest received at 4Z0, for verification.
It read as follows: "Heard your try-
out this morning like a local. Please

send one of your station cards of ver-
ification." This came from a Californi-
an listener, probably the same one who
wrote to 2ZD. 4Z0 has had only one
genuine report from America, from Fort
Worth, and two from Australia. Some
time ago 4Z0 was granted a license to
transmit on 49 metres simultaneously with
the 1030 k.c. transmission, and has been
listed likewise in most call books of
the world. However, this wave has
never been used, but one day a report
from America of reception of ZL4Z0

Hamilton Branch Meeting

A meeting of the Hamilton dis-
trict dxers will be held in the
Toorak Chambers on Thursday,
August 11, at 7.30 p.m. All club
members, as well as those in-
terested, are requested to be pre-
sent.

J. M. WEATHERELL (DX46A),

Acting-Secretary,

Waikato Branch, N.Z. D.X. Club.

came to hand, similar to the above from
a Californian listener.

While admitting that every dxer is
likely to make mistakes as to the iden-
tity of the station that he is logging,
the last-mentioned report stated that the
call sign, also address, etc., was heard
quite clearly, and was obviously a fraud.
We replied advising him that we had
never been on the air on 49 metres and
to try again, as this was the first time
we had heard of a station being heard
before it was on the air. We also asked
him for particulars of his receiver which
picks up programmes before they are
transmitted, as we would like to try
and pick up some of the new stations
that are coming on the air in future.—
F. W. A. Barnett (DX760C), Dunedin.

DX Notes from America.

WE recently received a very interest-
ing letter from DX70, Gordon H.
Wightman, of 1171W, 32nd Avenue, Van-
couver, British Columbia. He is also
a member of the Philadelphia Radio Club.
Our correspondent sent us along a "tip
sheet," a dx news sheet issued periodic-
ally by his club. Extracts from it
of interest to New Zealand dxers ap-

Jensen
SEIZES THE PACE!
By every test—
Jensen
DYNAMIC SPEAKERS
ARE SUPERIOR

DX Cup Goes to South Island

The winner, F. W. A. Barnett, describes his equipment and methods

AFTER seeing the result of the first DX Competition, I started DXing with only a half dozen verifications, which I probably would not have had, if the stations concerned had not especially asked for reports. I have been a keen DX'er since the days of crystal sets, but did not trouble to write to any of the stations that I heard, except a few, who asked for reports.

On seeing the result of the first competition I decided to write to the stations, that I heard, for verification and having the utmost confidence in the particular make of receiver that I use, I said to myself, I'm going to get all these stations I'm hearing verified, and try for the DX Cup. It was easier said than done, and has been hard work, especially as I started late in the field. As I am generally busy during the week, it is seldom that I can, except at the week-ends, listen for DX stations.

However, I set to and listened in at

pear below. Mr. Wightman remarks that though he is doing little dxing now as reception is poor during midsummer, he can still hear 3AR, 2CO, 4QG, 2BL, 2GH, 4BH, 4BC, and 1, 2 and 3YA. Mr. Wightman would like to correspond with a city dxer of his own aged 19—and who has been dxing about as long or longer than he has—about two years.

Extracts from "tip sheet":—Station XEV. Address, Ave. Reforma, 125, Puebla, Mexico. Schedule from 7.30 a.m. to 7 p.m., M.S.T., with occasional tests after 11 p.m., M.S.T. Frequency, time and plenty of data must be quoted to secure verification.

Station XEJ. Address: P.O. Box 111, Ciudad Juarez, Chihuahua, Mexico. Operates on 1000 k.c. (300 m.), power 100 watts.

Station XEZ. Address: Bucareli No. 12, Mexico. Schedule: Daily except Monday mornings, from 1-2 a.m., M.S.T. Frequency 780 k.c.

Station XETR. Address: Ave. 5 de Mayo, No. 10, Mexico City, Mexico. Schedule: Daily from 12-1 a.m., M.S.T. Frequency 610 k.c.

Station KTLG, Houston, Texas. Address: 816 Texas Avenue.

NBC has stopped sending out personal letters of verification, and those writing to WJZ, WHAM, WEAF, etc., will find themselves recipients of mimeographed cards, which, however, are definite verifications.

XFI advise that they have gone off the air for good.

KWK operates daily until 1.15 a.m., E.S.T., excluding Sunday.

KGKO operates daily until 11 a.m., E.S.T.

KFEL broadcasts a dx programme every Saturday night from 812-3 a.m.

The "Radio Record" Challenge Cup, awarded half-yearly to the member of the DX Club with the largest log of verified overseas stations, has been won by F. W. A. Barnett (DX760C) of Dunedin, with 291 stations—the best "score" yet. District certificates have been won by:—

Auckland: R. A. Sutherland (DX19A), with 220 stations.

Hawke's Bay: Morley Stafford (DX41HB), with 272 stations.

Taranaki: A. Greening (DX9T), with 190 stations.

Wellington: J. P. Cowlshaw (DX12W), with 204 stations.

Nelson/Westland: J. L. Fraser (DX3NW), with 194 stations.

Marlborough/Canterbury: J. C. Stapleton (DX6MC), with 79 stations.

Otago/Canterbury: J. J. Looker (840C), with 157 stations.

Cities: J. P. Cowlshaw (12W), with 204 stations.

In the accompanying Mr. Barnett describes his equipment and methods.

every opportunity and wrote to all the stations that I heard and was able to identify. I have to date received about 75 per cent. replies from the stations that I have logged, and have about another 50 yet to come to hand,

conditions than I had, and had the knowledge of the best times at his finger-tips, he also introduced me to the place where I have done my DXing, in fact I have him to thank for my success.

The aerial system consists of: Beverage aerial for American reception an aerial approximately 120ft. long, average height 25ft. for Australian, European and Eastern stations. Both are directional. The earth consists of, I Laker copper earth tube driven about 3ft. 6in. in damp clay.

The receiver, aerial and earth is situated on a rise about 1000 feet above sea-level, about 10 miles airline from Dunedin and about 1 mile from the coast. I have experimented with all kinds of aeriels and earths, and find that the ones I am now using are the most suitable for my locality, I have tried all the fancy earth systems that I have seen recommended,



Mr. Barnett.

and am still logging a few, although conditions for DX reception have not been too good this last month.

The receiver I use is a Super-Hetrodyne, 7 valves, excluding rectifier and all Dx-ing is done with the speaker. I have fitted output device for phones, but do not use them except if someone else wants to get some sleep, as I can hear much better off the speaker.

The set is calibrated exactly in kilocycles from 1500 k.s.'s to 550 k.c.'s, and has 10 k.c. selectivity on all stations except powerful locals. The calibrated dial is a big help in identifying stations, as one knows exactly the frequency, and used in conjunction with a good call book makes DX'ing much easier, 10 k.c. selectivity also enables me to get even a 100 watt American with powerful Americans on either side.

Through the help of a friend of mine I was able to find out the following: The best time of the day and the year, to listen for American, Canadian and Mexican stations, as he had been listening to these for years under better

but find that the one described is just as good for my locality, in fact the set brings in the 100 watt Americans with the earth off, providing the aerial tuning knob is adjusted to suit, just as good as with it on.

I was always of the opinion that the winter was the best time for reception of North American stations, but have changed my mind after listening during Christmas and New Year, about this time I logged about 100 new ones. During the Christmas and New Year holidays I heard 17 100 American stations and 1 100 watt Canadian, as well as dozens of higher powered ones, there was also hardly a click of "static" or interference right through the holidays.

Reception has not been of the best down here of late, only a few new ones have been logged, of course the more one gets the harder he is making it to get more new ones, as there is only a limited number of stations that can be heard out here, due to the conditions not being suitable for reception when they are on the air. There are also quite a number that will never be heard out here, as they either close down too early for us, or are not on the air at all at a time where reception of them is possible. DX and Test programmes help us to log stations that would not be heard on their usual programmes.

I am very pleased at having won the cup and all the boys of the club down here are quite pleased also, especially as it has come to our district and the South Island. We are going to keep it in our district if we can, although we are another 500 miles away from the DX fishing grounds—America—than our North Island DX-ers.

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Kriesler is Coming

Programmes for Week ending August 21

1YA AUCKLAND 902 kc.
Sunday 14

2.0: Selected recordings and literary selection.
6.0: Children's Song Service.
7.0: Relay of Service from St. David's Church. Preacher, Rev. Stewart Francis. Organist and Choirmaster, E. S. Craston.

Concert Programme.

8.30: Relay Municipal Band Concert from Auckland Town Hall (conductor, G. Buckley). March, The Band, "Entry of the Boyards" (Halvorsen). Overture, The Band, "Zampa" (Herold). Cornet duet, Messrs. F. Bowes and J. Davies, "The Tyrolean Lovers" (Clement). The Band, "William Tell" (Ballet music), (Rossini). Flute, Hal. C. McLennan "A Fantasy" (Lemone). The Band, "Norwegian Rhapsody No. 2," Op. 19 (Svendsen). Xylophone, Rowland Jackson, "The Picadores" (Bartolotti). Duet (flute and clarinet), H. C. McLennan and P. W. Eastoe, "Rippling Streams" (Gennin). Hymn, The Band, "Hollingside" (Balfour). March, The Band, "Martial Moments" (Winter).
Selected recordings.

2YA WELLINGTON 720 kc.
Sunday 14

2.0: Selected recordings.
6.0: Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from St. John's Presbyterian Church.
7.0: Relay of Evening Service from the Taranaki Street Methodist Church. Preacher, Rev. T. R. Richards. Organist and choirmaster, H. Temple White.

Concert Programme.

(Relayed by 2ZD, Masterton.)

8.15 (approx.): Relay of concert by Royal Naval Volunteer Reserve Band, from De Luxe Theatre (conductor, Harry Baker).

1YA AUCKLAND 902 kc.
Monday, 15.

7.30: Agricultural talk.
8.0: Relay. Ringside description of Wrestling Bout, held under the auspices of the Auckland Wrestling Association, in the Auckland Town Hall.

2YA WELLINGTON 720 kc.
Monday 15.

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: Grand Symphony Orchestra, "The Tea House of a Hundred Steps" (Yoshitomo). J. H. Squire Celeste Octet, "Memories of Chopin" (arr. Willoughby). Organ, Edward O'Henry, "Ca Oest Madrigal" (O'Henry).

Silent Days this Week

3YA, Tuesday. 4YA, Thursday.

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

Sunday

Church Services: 1YA, 7 p.m. St. David's Church. Preacher Rev. Stewart Francis. Organist and choirmaster: Mr. E. S. Craston.

2YA, 7 p.m. Taranaki Street Methodist Church. Preacher: Rev. T. R. Richards. Organist and choirmaster: Mr. H. Temple White.

3YA, 6.30 p.m. Church of Christ. Preacher: Pastor Stuart Stevens. Organist and choir-conductor: Miss A. L. Pugh and Mr. H. E. Ames, respectively.

4YA, 6.30 p.m. Moray Place Congregational Church. Preacher: Rev. Albert Mead, M.A. Organist and choirmaster: Mr. A. Walmsley and Mr. H. MacMillan, respectively.

3YA CHRISTCHURCH 980 kc.
Sunday 14

2.0: Gramophone recital
5.30: Children's Song Service, by Church of Christ Sunday School.
6.15: Musical Chimes.
6.30: Relay of Evening Service from Church of Christ. Preacher, Pastor Stuart Stevens. Organist, Mrs. A. L. Pugh. Choir conductor, H. E. Ames.

Concert Programme.

8.0 (approx.): Selected recordings.
8.15: Christchurch Salon Orchestra (conductor, Francis E. Bate), "Highland Laddies" (Seredy).
8.27: Tenor, Hubert Carter, Cycle of Gipsy Songs (Dvorak), (op. 55): (a) "I Chant My Lay"; (b) "Hark How My

Triangle"; (c) "Silent and Lone the Woods Around"; (d) "Songs My Mother Taught Me"; (e) "Tune Thy Strings. Oh Gipsy"; (f) "In His Wide and Ample Vesture"; (g) "Cloudy Heights of Tatra."

8.42: Phyllis Kinniburgh, "Concert Study in F Minor" (Liszt).

8.47: Mezzo-soprano, Merle Miller, "To Music" (Schubert); "La Danza" (Rossini).

8.53: Salon Orchestra, "Popular Songs by Hermann Lohr" (Lohr).

9.3: Weather forecast and notices.

9.5: Tenor, Hubert Carter, "Where the Wild Fowl Call" (Kahn); "In the Silver Moonbeams" (Scott); "The Swan" (Lowry); "Love's Secret" (Granville Bantock); "The Bold Unbiddable Child" (Stanford); "To One Who Passed Whistling Thro' the Night" (Gibbs); "The River" (Mlgar).

Monday

Evening Talks: "Books, Grave and Gay"—Mr. H. C. South. 2YA, 7.40.

"Child Psychology" (No. 4)—W.E.A., by Dr. C. E. Beeby. 3YA, 7.30.

"Sight Seeing with the All Blacks in South Africa"—Mr. J. T. Burrows, M.A. 3YA, 9.4 p.m.

"Germany, Day by Day"—Mr. J. T. Paul. 4YA, 9.2.

Sports Broadcasts: 1YA. 8 p.m. Relay from Town Hall of ringside commentary of the Westling Match.

Features: 1YA. Relay of wrestling, Auckland Town Hall. 8 p.m. 2YA. Mr. J. M. Caldwell, bass: famous Forty Elks' Chorus.

3YA. Woolston Brass Band: orchestral and choral numbers by pupils of West Christchurch School.

4YA. Variety recorded programme.

6.16: San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov). Berlin State Opera Orchestra, "Der Rosenkavalier" (Strauss). Dajos Bela Orchestra, "O Sole Mio" (arr. Lindemann).

9.20: Piano, Phyllis Kinniburgh, "Ballade in G Minor" (Chopin).

9.26: Recording, Peter Dawson, "Thro' the Darkness" (Rossini).

9.30: Salon Orchestra, "Far Across the Desert Sands"; "Where the Abana Flows"; "Beloved, in Your Absence" (from Suite, "A Lover in Damascus") (Woodford-Finden).

9.37: Mezzo-soprano, Merle Miller, "Yonder" (Oliver).

9.41: Recording (Organ), Edwin H. Lemare, "Andantino in D Flat" (Lemare).

9.45: Recording, Russian State Choir, "Storm on the Volga" (Pastshenko).

9.53: Salon Orchestra, "How Many a Lonely Caravan"; "If in the Great Bazaars"; "Allah Be With Us" (from Suite, "A Lover in Damascus") (Woodford-Finden).

4YA DUNEDIN 550 kc.
Sunday, 14

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

6.15: Selected recordings.

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

Concert Programme.

7.45: Selected recordings.
8.15: Relay of programme from 3YA, Christchurch.

2YB NEW PLYMOUTH 1230 kc.
Sunday 14

6.0 to 6.45: Children's Sunday evening session, conducted by Uncle Jonathan.
7.0 to 8.15: Church relay.
8.15 to 10.0: Studio concert.

6.35: Royal Opera Orchestra, Prelude "The Huntress" from "Sylvia Ballet" (Delibes). Grand Symphony Orchestra, "Japanese Cherry Blossom Festival" (Yoshitomo). Berlin State Opera House Orchestra, "Dance of the Hours" ("La Gioconda") (Ponchielli). J. H. Squire Celeste Octet, "Song of the Celeste" (Renard). De Groot and His Orchestra, "In the Night" (Tate).

7.0: News and reports.
7.40: Lecturette, H. C. South, "Books—Grave and Gay."

Concert Programme.

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

8.8: Recording (Contralto), Marguerita Carlton, "My Prayer" (Squire); "A Request" (Finden).

8.16: The Orchestra, "Mignon" Selection (Thomas).

8.26: Bass, J. M. Caldwell, "Port of Many Ships"; "Trade Winds" (both by Keel).

8.32: Recording (Vocal duet), "Flotsam and Jetsam, "Polonaise in the Mall" (arr. Flotsam and Jetsam).

8.36: Violin and Orchestra, Miss Ava Symons and Orchestra, "Romance in G" (Beethoven).

8.44: Recording (Tenor), Derek Oldham, "I Love Thee" (Grieg); "In Silent Night" (Rachmaninoff).

8.50: The Orchestra, Three Dances from "Tom Jones": (1) "Morris Dance," (2) "Gavotte," (3) "Jig" (German).

9.0: Weather report and notices.

9.2: Reserved.

9.15: The Orchestra, "Brune ou Blonde" Valse (Waldteufel).

9.20: Recording (Vocal Duet), Dora Labbette and Hubert Elsdell, "Come, Silver Moon" (Dowden).

9.24: Bass (with orchestra), J. M. Caldwell, "Son of Mine"; "The Rebel" (both by Wallace).

9.30: Recording (Vocal Duet), "Flotsam and Jetsam," "Schubert's Toy Shop" (arr. Flotsam and Jetsam).

9.34: The Orchestra, "Rainbow" Selection (Gershwin).

9.44: Recording (Male Chorus), "Famous Forty Elks Chorus," "Soldiers' Chorus" (Gounod); "Song of the Anvil" (Goebel).

9.50: The Orchestra, "Polonaise Militaire" (Chopin).

9.56: Recording, Regimental Band of H.M. Grenadier Guards, "Jungle Drums" (Ketelbey).

10.0: Dance programme.

3YA CHRISTCHURCH 980 kc.
Monday 15.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children. "Big Brother."



Phyllis Kinniburgh,

a talented young Christchurch pianiste, who will be heard from 3YA on Sunday, August 14. Miss Kinniburgh recently received information that she has been awarded an Exhibition Scholarship by the Royal Academy of Music, London, and she intends to proceed Home next year. Though only eighteen years of age, Miss Kinniburgh has already had a markedly successful musical career. She passed her L.T.C.L. at fifteen, and at seventeen won the Bristol Scholarship at the Christchurch Competitions. She followed this up by passing L.A.B. (practical). This success was followed by her passing theory examination, Higher Division (harmony) with honourable mention.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "The Mastersingers," Overture (Wagner). Zonophone Salon Orchestra, "Ecstasy," Waltz (Baynes). The London Novelty Orchestra, "My Chin Chin Lu" (Scotto and Christine). Zonophone Salon Orchestra, "Love, Here is My Heart" (Silesu).

6.18: Royal Opera Orchestra, "Faust," Ballet Music (Gounod). 5th-7th Move-

ments. International Concert Orchestra, "Parade of the Wooden Soldiers." Bournemouth Municipal Orchestra, "Zip Zip" (Brooke). International Concert Orchestra, "Sweetheart," Waltz (Strauss).

6.35: Salon Orchestra, "Two Guitars," Russian Gipsy Song." Victor Concert Orchestra, "Minuet in G" (Paderewski). International Concert Orchestra, "Lazy Pete," Intermezzo (Werner-Kersten). Bournemouth Municipal Orchestra, "Whispering Pines" (Byrne).

6.48: Victor Concert Orchestra, "Amaryllis" (Ghys). Gil Dech Ensemble, "Aloha Oe" (arr. Coburn). The London Novelty Orchestra, "A Coon Band Contest" (cakewalk) (Pryor).

7.0: News and reports.

7.30: W.E.A. session, Dr. C. E. Beeby, "Child Psychology" (No. 4).

Concert Programme.

8.0: Woolston Brass Band (conductor, R. J. Estall), (a) "Rays of Glory" (Rimmer), (b) "L'Etoile du Nord" (Meyerbeer).

8.15: Mezzo-soprano, Mrs. F. R. Hawker, (a) "Gentle Shepherd" (Pergolesi), (b) "To a Miniature" (Brahe).

8.20: Relay. Part of programme by pupils of West Christchurch School. Orchestra (conductor, Mr. H. G. Glaysher), (a) "March Militaire" (Schubert), (b) "Golden Flow" (waltz) (Weidt).

8.30: Girls' Choir (conductor, J. G. Parry), (a) "Hark, Hark, the Lark" (Schubert), (b) "In Derry Vale" (Shaw).

8.33: Orchestra, "Pilgrim's Chorus" (Wagner).

8.37: Girls' Choir, "England" (Parry). Return to Studio.

8.40: The Band, "Listen to Me" (Funke).

8.45: Bass-baritone, Claude O'Hagan, "The Floral Dance" (Moss).

8.49: Humour, George Titchener, "Trightfully Freddy" (Charles).

8.56: Horn solo, "Silver Threads Among the Gold" (Allison).

9.2: Weather forecast and notices.

9.4: Talk, J. T. Burrows, M.A., "Sight-seeing with the All Blacks in South Africa."

9.19: Recording, Paul Abraham Orchestra, "Viktoria and Her Hussar" (Abraham).

9.27: Child imitations (sketch and song), Claude O'Hagan, (a) "The Prisoner's Song" (Massey), (b) "The Little Cock Sparrow" (O'Hagan), (c) "Simple Arithmetic" (Fairlie), (d) "Rose in the Bud" (Forster).

9.33: The Band, "A Rustie Fete" (Hawkins).

9.40: Mezzo-soprano, Mrs. F. R. Hawker, (a) "The Nightingale" (Kjerulf), (b) "Heffle Cuckoo Fair" (Shaw).

9.45: Recording (organ), Lew White, "My Old Kentucky Home" (Foster).

9.48: Humour, George Titchener, "The Willows" (Shepherd).

9.53: The Band, (a) "On the Wings of Song" (Mendelssohn), (b) "Old Bill" (Ord Hume).

10.2: Close down.

4YA DUNEDIN 550 kc.
Monday 15.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children, by Uncle Jack.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "Marinarella," Overture (Fucik). Zonophone Salon Orchestra, "Rose in the Bud" (Forster). International Novelty Quartet, "Cuckoo" Waltz (Jonasson).

6.13: Dajos Bela Orchestra, "Vindobona," Viennese Folk Song Fantasy (Leopold). Dajos Bela Orchestra, "Wedding in Lilliput" (Translatour). Stockholm Royal Opera House Orchestra, "Eugen Onegin," Polonaise (Tschaiikovsky).

6.29: Berlin Symphony Orchestra, "Tiefand," Selection (d'Albert). International Concert Orchestra, "Sari," Waltz (Kalman).

6.42: Debroy Somers Band, "Good News," Selection (Parts 1 and 2) (de Sylva, Brown and Henderson). Berlin State Opera House, Orchestra, "From Opera to Opera" (Schestak).

7.0: News and reports.

Concert Programme of Recordings.

8.0: Dajos Bela Orchestra, "The Zar-witsch" (Lehar).

8.9: Duets, Winnie Melville and Derek Oldham, "Nocturne" (Chopin); "What is Done" (Cuvillier).

8.17: Piano, Karol Szreter, "Hungarian Rhapsody" No. 2 (Liszt).

8.25: Bass-baritone, Peter Dawson, "Route Marchin"; "Cells" (both by McCall).

8.31: Jack Hylton and His Orchestra, "Tommy's Wartime Memories"; "Songs of the Officers' Mess."

8.39: Organ, Reginald Foort, "A Musical Trip Round the British Isles."

8.47: Soprano, Evelyn Scotney, "Vox di Primavera"; "Blue Danube Waltz" (both by Strauss).

8.55: Salon Orchestra, "Nola" (Arndt); "The Glow-worm Idyll" (Lincke).

9.0: Weather report and notices.

9.2: Talk, J. T. Paul, "Germany, Day by Day."

9.17: Light Opera Company, "Naughty Marietta" (Vocal Gems), (Herbert).

9.21: De Groot and New Victoria Orchestra, "The Gipsy Princess" (Kalman).

9.29: Humour, Rupert Hazell, "A Radio Fan's Dream" (Hazell).

9.35: Jack Denny and Orchestra, "Just Friends" (Lewis); "Good-night, Moon" (Donaldson).

9.41: Tenor, Richard Tauber, "Had I the Words"; "Save Your Kisses" (both by Abraham).

9.46: Cello, W. H. Squire, "Sarabande" (Sulzer).

9.50: Vocal Trio, The Baraldi Trio, "Orpheus With His Lute" (German).

9.53: London Symphony Orchestra, "Eine Faust" Overture (Wagner).

2YB NEW PLYMOUTH 1230 kc.
Monday 15.

7.0 to 8.0: Family session, conducted by Uncles Joe and Ted.

8.0 to 10.0: Studio concert.



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YA AUCKLAND 902 kc.
Tuesday 16.

3.0: Selected recordings and literary lecture.

4.30: Sports results.

5.0: Children, by Uncle Dave.

Dinner Music.

6.0: Grand Symphony Orchestra, "Lustspiel" Overture (Kela Bela). Dajos Bela Orchestra, "Dynamiden" Waltz (Strauss). Barnabas von Geczy and His Orchestra, "The Student Prince" Selection (Romberg).

6.15: Organ duet, Mr. and Mrs. Jesse Crawford, "The Moonlight Reminds Me of You" (Kahn). Grand Symphony Orchestra, "Suite Orientale": "The Bajaderes" and "On the Shores of the Ganges"; "The Patrol" and "The Dancers" (Pony).

6.32: Grand Symphony Orchestra, "The Land of Smiles" Selection (Lehar). Dajos Bela Orchestra, "Be Embraced, Ye Millions" Waltz (Strauss). Orchestra Mascotte with Dajos Bela, "The Flowers' Dream" (Translatour).

6.47: Grand Symphony Orchestra, "Naila—Ballet Intermezzo" (Delibes). Dajos Bela Orchestra, "Mosaic" Potpourri (Zimmer).

7.0: News and reports.

7.30: Literary Competition, No. 1. "Selected Passages from Authors of the Pre-Victorian Era."

Concert Programme of Recordings.

8.0: Paris Philharmonic Orchestra, "Hansel and Gretel" (Humperdinck).

8.9: Piano, Mark Hambourg, "Marene Militaire" (Schubert).

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Tuesday

Evening Talks: "Music and Beauty in Other Lands"—Mrs. Gordon Robertson. 1YA, 9.3.

Addresses by the Captain and Manager of the English League Rugby Team. 2YA, 7.30.

"For the Man on the Land"—Representative of Agricultural Department. 2YA, 7.40.

"Famous British Trials" (No. 1), "Sir Roger Casement"—Mr. C. A. L. Treadwell. 2YA, 9.2.

"Psychology and the Community"—Mr. R. Ferguson (W.E.A. session). 4YA, 7.30.

"Sir Walter Scott"—Mr. W. B. McEwan. 4YA, 9.2.

Features:

1YA. Selected recordings. First section of literary competition, "Selected Passages from Authors of the Pre-Victorian Era." 7.30.

2YA. Frank Crowther's Novelty Orchestra, and Mr. Gordon Short in pianoforte solos.

4YA. St. Kilda Band and The Regal Four in programme commemorating centenary of Sir Walter Scott.

8.13: Bass, Marcel Journet, "Les Deux Grenadiers" (Schumann).

8.17: The Court Symphony Orchestra, "The Three Musketeers" (Friml).

8.25: Duets, Dora Labette and Hubert Eisdell, "Love's Old Sweet Song" (Molloy); "Moon Enchanted" (Besly).

8.33: Saxophone, Tom Katz, "Valse Lucile" (Benkman); "Valse Parisienne" (Roberts).

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

8.46: J. H. Squire Celeste Octet, "Come Into the Garden, Maud" (Balfé).

8.49: Soprano, Elsie Suddaby, "As When the Dove" (Handel).

8.53: Regal Cinema Orchestra, "Drury Lane Memories."

9.1: Weather forecast and notices.

9.3: Talk, Mrs. Gordon Robertson, "Music and Beauty in Other Lands."

9.23: Saint-Saens Septet, (1) "Preambule," (2) "Menuet," (3) "Intermede," (4) "Gavotte and Finale" (Saint-Saens).

9.39: Contralto, Sophie Braslau, "Habanera"; "Card Scene" (both by Bizet).

9.45: Zonophone Salon Orchestra, "Love, Here Is My Heart" (Silesu).

9.48: Accordion, Marceau, "Marionettes" (Marceau).

9.51: Humour, Clarkson Rose, "Pork Pie Pigs" (Goodall); "What Should We Do Without Gravy?" (Welch).

9.57: International Concert Orchestra, "Charming" (Waldteufel).

2YA WELLINGTON 720 kc.
Tuesday 16.

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: Albert W. Ketelbey's Concert Orchestra, "Chal Romano—Gipsy Overture" (Ketelbey). International Novelty Quartet, "The Velets" (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, "Dawn" (Matt).

6.49: Zonophone Salon 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: Addresses by the Captain and the Manager of the English League Rugby Team.

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

Concert Programme.

(Relayed by 2ZD, Masterton.)

8.0: Frank Crowther's Novelty Orchestra, "The Geisha" Selection (Jones).

8.10: Recording (Vocal Duets), Layton and Johnstone, "June Time is Love Time" (Sherman); "I'd Rather be a Beggar With You" (King).

8.16: Piano, Gordon Short, "Impromptu in A Flat"; "Scherzo in C Sharp Minor" (both by Chopin).

8.28: The Etude Quartet, "Shepherdess and Beau Brocade" (Phillips). Soprano, Gretta Stark, "I Pitch My Lonely Caravan" (Coates). Duet, Mr. and Mrs. Ray Kemp, "Come Sing to Me" (Thompson). Tenor, W. A. Pringle, "If We Sailed Away" (Phillips).

8.43: Xylophone, S. Bernard, "La Martehiche" (le Cleve). Frank Crowther's Novelty Orchestra, (a) Sextet from "Lucia di Lammermoor" (Donizetti); (b) Rhythmic Paraphrase, "Lilting Lucia" (arr. Black).

8.54: Recording (Humour), Clarkson Rose, "What Should We Do Without Gravy?" (Welch); "Pork Pie Pigs" (Goodall).

9.0: Weather report and notices.

9.2: Lecturette, C. A. L. Treadwell, "Famous British Trials," No. 1, "Sir Roger Casement."

9.17: Saxophone S. Barrett, "Saxarella" (Wiedoeft). Frank Crowther's Novelty Orchestra, "Gems from Sullivan Operas" (arr. Higgs).

9.27: Baritone, Ray Kemp, "On a January Morning" (German). Duet, Gretta Stark and W. A. Pringle "Very

Own Pierette" (Allingham). Contralto, Mrs. Ray Kemp, "Ma Curly-Headed Babby" (Cluttsam). The Etude Quartet, "Oh! How the Glow-worms Glow" (Brown).

9.42: Recording (Humour), William McCulloch, "The Presentation of Prizes" (MacLennan).

9.50: Frank Crowther's Novelty Orchestra, "River, Stay Away From My Door" (Fox Trot), (Dixon and Woods); "We Will Always Be Sweethearts" (Waltz), (Strauss); "My Bluebird's Back Again" (Quick-step), (Friend).

4YA DUNEDIN 550 kc.
Tuesday 16.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children, by Wendy and Aunt Leonore.

Dinner Music.

6.0: New Mayfair Orchestra, "Folly to be Wise"—Selection. Band of H.M. Coldstream Guards, "Selection of Wilfred Sanderson's Songs." Orchestra Mascotte, "Mimosa Waltz" (Jones).

6.15: Organ, John Hassel, "The Waters of Minnetonka" (Lieutence). Miniature Concert Orchestra, "Punchinello" (Herbert). Debroy Somers Band, "Stealing Thru' the Classics—No. 1—The Masters" (arr. Somers).

6.30: Dr. Ormandy Instrumental Trio, "From the Land of the Sky Blue Water" (Cadman). Marek Weber and His Orchestra, "Fantasia on the Song 'Long, Long Ago'" (Dittreich). Orchestra Mascotte, "Love Bells—Waltz" (Benatsky). De Groot and the Piccadilly Orchestra, "Charmaine" (Rapee-Pollack). New Light Symphony Orchestra, "Spanish Dance No. 3" (Granados).

6.47: J. H. Squire Celeste Octet, "The Butterfly" (Bendix). New Mayfair Orchestra, "Blue Roses"—Selection (Ellis). Winter Garden Orchestra, "Storm Galop" (Komzak).

7.0: News and reports.

7.30: W.E.A. Session: R. Ferguson, "Psychology and the Community."

Concert Programme.

8.0: Thirty Minutes of Recordings. Programme Commemorating the Centenary of Sir Walter Scott.

8.30: March, St. Kilda Band, "The Gay Gordons" (McMillan).

8.34: Quartets, The Regal Four, "Pi-broch o' Donul Dhu" (Bell); "O Hush Thee, My Babe" (Sullivan).

8.42: Selection, The Band, "Highland Memories" (Le Due).

8.52: Baritone, Bert Rawlinson, "Ho, Jolly Jenkin!" (Sullivan).

8.56: Recording, Pipe Band of Cameron Highlanders, "Scottish Command. Tatoo Section" (arr. Marshall).

9.0: Weather report and notices.

9.2: Talk, W. B. McEwan, "Sir Walter Scott."

9.17: Patrol, The Band, "Cock o' the North" (Carie).

9.25: Quartets, The Regal Four, "Hail to the Chief"; "Jock o' Hazeldean" (both by Roddie).

9.32: Selection, The Band, "Songs of Scotland" (Round).

9.42: Luther's Chant, "The Regal Four. "When Israel, of the Lord Beloved" (Luther).

9.46: The Band, "White Heather" (Phellan).

9.53: Quartets, The Regal Four, "Hunting Song" (Smart); "Bonnie Dundee" (Roddie).

9.59: March, The Band, "The Barren Rocks of Aden" (Hume).

IYA

AUCKLAND 902 kc.
Wednesday 17.

3.0: Selected recordings, and Literary Selection.

4.30: Sports results.

5.0: Children, by "Uncle Reg."

Dinner Music.

6.0: Marek Weber and His Orchestra, "Mennett No. 1" (Paderewski). H.M. Goldstream Guards' Band, "Les Cloches de Corneville—Selection" (Planquette). De Groot's Piccadilly Orchestra, "Friend o' Mine" (Sanderson). Reginald King and His Orchestra, "The Song I Love" (Henderson).

6.17: Paul Whiteman and His Concert Orchestra, "Mississippi Suite—A Tone Journey" (Grofe). Marek Weber's Orchestra, "Coeur Brise" (Gillet). London Palladium Orchestra, "Nautical Moments" (arr. Winter).

6.35: De Groot and His Orchestra, "Samson and Delilah—Selection" (Saint-Saens). B.B.C. Wireless Symphony Orchestra, "The Bohemian Girl—Overture." De Groot and His Piccadilly Orchestra, "None But the Weary Heart" (Tchaikowsky). Reginald King and His Orchestra, "Garden in the Rain" (Gibbons). De Groot and His Orchestra, "Louise—Selection" (Charpentier). 7.0: News and reports.

Concert Programme.

8.0: Selected recordings.

8.30: Relay. Vocal Recital by Denis Sheard, from Lewis Eady Hall. Assisting Artists: Ida Lockwood, violinist; Mary Brett Neil, pianist.

Wednesday

Evening Talks: "Y.W.C.A. Work"—Miss Jean Stevenson,

general secretary of the Y.W.C.A. IYA, 9.2.

"International Affairs"—Dr. Guy H. Scholefield, O.B.E. 2YA, 9.2.

"Farmer Brown and the Instructor"—Messrs. Tennent and McCaskill. Relayed from Dunedin. 3YA, 7.15.

Addington Stock Market Reports. 3YA, 7.35.

"Farmer Brown and the Instructor"—Messrs. Tennent and McCaskill. 4YA, 7.15.

Features: IYA. Relay of vocal recital by Denis Sheard from Lewis Eady Hall.

2YA. Selected recordings.

3YA. Relay from Civic Theatre, concert by Christchurch Harmonic Society.

4YA. Maitland McCutcheon, violinist; Noni Davidson, soprano.

9.0: Weather forecast and notices.

9.2: Talk. Jean Stevenson, General Secretary of the Y.W.C.A., "Y.W.C.A. Work."

9.17: Recording, Orchestra Mascotte, "Hobgoblins' Review" (Noack).

9.21: Recording (Comedy), Burns and Allen, "Dizzy" (Burns and Allen).

9.27: The A. and P. Gipsies, "Fleur de lis" (Green).

9.30: Dance programme.

2YA WELLINGTON 720 kc.
Wednesday 17.

10.0: Selected recordings.

10.30: Devotional service.

11.37: Lecturette, "Hollywood Affairs."

12.0: Lunch music.

2.0: Selected recordings.

3.10: Lecturette, Mrs. C. Long, "Bridge—Contract and Auction."

3.30 and 4.30: Sports results.

5.0: Children, by Aunt Molly.

Dinner Music.

6.0: Columbia Symphony Orchestra, "March of the Bojaren" (Halvorsen). J. H. Squire Celeste Octet, "Invitation to the Valse" (Weber). Jacques Jacobs' Ensemble, "Sobre Las Olas" (Rosas).

6.12: Plaza Theatre Orchestra, "Gipsy Suite" (German): (1) "Valse" (Lonely Life); (2) "Allegro" (The Dance); (3) "Menuetto" (Love Duet); (4) "Tarentella" (The Revel).

6.25: Albert W. Ketelbey's Concert Orchestra, "In a Fairy Realm—Suite" (Ketelbey): (a) "The Moonlight Glade"; (b) "The Queen Fairy Dances"; (c) "The Gnomes' March." Orchestre Symphonique de Paris, "L'Arlesienne Suite—Entr'acte—Le Carillon" (Bizet).

6.40: Columbia Symphony Orchestra, "Bridal Procession" (Grieg). Orchestre Symphonique de Paris, "L'Arlesienne Suite—Adagietto" (Bizet). Albert W. Ketelbey's Concert Orchestra, "Bells Across the Meadows" (Ketelbey). London Novelty Orchestra, "Aminia—Egyptian Serenade" (Lincke). J. H. Squire Celeste Octet, "Chant Sans Paroles" (Tchaikowsky).

7.0: News and reports.

Concert Programme of Recordings.

8.0: Chimes.

8.2: Overture, Berlin Symphony Orchestra, "Tiefand" (d'Albert).

8.10: Soprano, Mavis Bennett, "Mif-anwy" (Forster): "Love's a Merchant" (Carew).

8.16: Xylophone with Orchestra, Bournemouth Municipal Orchestra, "Ge Whizz" (Brooke).

8.20: The Variety Singers, "Music Hall Memories."

8.28: Violin, Master Yehudi Menuhin, "La Capricciosa" (Ries); "Allegro" (Piooco).

8.34: Baritone, Harry Dearth, "The Drum-Major" (Newton); "A Sergeant of the Line" (Squire).

8.42: Descriptive Fantasia, Sandor Jossi Novelty Orchestra, "In a Bird Shop" (Lake).

8.45: Sketch, Bransby Williams, "The Showman" (Williams).

8.53: Novelty Orchestra, "Danse Bagatelle"; "Ginger Snaps" (both by Bourdon).

9.0: Weather forecast and notices.
9.2: Lecturette, Dr. Guy H. Scholefield, O.B.E.9.17: New Light Symphony Orchestra, "Princess Ida" (Selection) (Sullivan).
9.25: Tenor, Alfred O'Shea, "Lilies of Lorraine" (Connor); "The Old Refrain" (Kreisler).

9.31: Pianoforte, Ignaz Friedman, "Old Vienna—No. 1" (Schubert-Friedman).

9.35: Miniature Revue, "How Do You Do?" (Simpson-Holt).

9.43: Piccolo Duet (with Orchestra), Bournemouth Municipal Orchestra, "Rippling Streams" (Gennin).

9.47: Novelty, Jack Payne and His Band, "Dick Turpin's Ride to York" (Le Clerq).

9.53: Selection, Debroy Somers Band, "Cavalcade" (arr. Somers).

3YA CHRISTCHURCH 980 kc.
Wednesday 17.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children, by "Uncle Bill."

Dinner Music.

6.0: La Scala Orchestra, "The Secret of Susanna—Overture" (Wolf-Ferrari). New Symphony Orchestra, "Mors et Vita—Jude" (Gounod). Berlin State Opera Orchestra, "German Dances" (Mozart).

6.15: Marek Weber and His Orchestra, "Dreams on the Ocean—Waltz" (Gungl). Novelty Orchestra, "Midnight Bells" (Heuberger). New Mayfair Orchestra, "Follow Through—Selection" (Parts 1 and 2) (de Sylva, Brown and Henderson).

6.30 J. H. Squire Celeste Octet, "Operatica" (arr. Squire). Royal Opera Orchestra, "Nalla—Waltz" (Delibes, arr. Doppler). Symphony Orchestra, "Waltz of the Hours"; "Variations" from "Coppelia" (Delibes).

6.50: Novelty Orchestra, "Passion Rose" (Lehar). Marek Weber and His Orchestra, "Tres Jolie—Waltz" (Waldteufel).

7.0: News and reports.

7.15: Dialogue. Relay from 4YA, Dunedin. Tennent and McCaskill, "Farmer Brown and the Instructor."

7.35: Addington stock market reports.

Concert Programme.

8.0: Relay from Civic Theatre. Concert by Christchurch Harmonic Society (Conductor, Victor C. Peters).

The Choir, "Hail Smiling Morn" (Spofforth); "Hymn to Music" (Back); "Viking Song" (Col-Taylor).

Violin, W. Stephen Elsom, "Romanza Andaluza" (Sarasate).

Bass-baritone, Claude O'Hagan, "Invictus" (Huhn).

Ladies' Voices, "Ye Banks and Braes" (Percy Fletcher).

Organ, W. Melville Lawry, "Country Gardens" (Grainger); "Poupees Val-sante" (Poldini).

The Choir, "John Peel" (arr. John West).

Male Voices, "Doctor Foster Went To Gloucester" (Herbert Hughes).

Vocal, Molly Hatherley, "April Morn" (Batten).

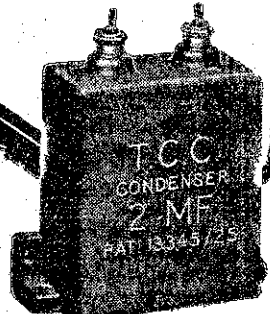
Chorus (Male Voices), The Choir, "Down in Alabama" (P. Edmonds).

9.0: Weather forecast and notices.

9.2: Interval.

9.10: The Choir, "Swansea Town" (arr. Holst).

Vocal Duet, Lella Black and Jean Johnson, "The Day is Done" (Hermann Lehar).



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Violin, W. Stephen Elsom, "The Swan" (Saint-Saens).
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Organ, W. Melville Lawry, "La Caprice de Nannette" (from "Petite Suite de Concert") (Coleridge-Taylor); "Berceuse" (Crookes); "Land of Hope and Glory" (Elgar).
Tenor, L. C. Quane, "Duna" (McGill).
The Choir, "Bees" (Percy Fletcher).
10.0 (approx.): Dance music.

Dinner Music.

6.0: Bournemouth Municipal Orchestra, "The Bronze Horse" Overture (Auber). Debroy Somers Band, "Hungarian Medley—One-step" (arr. Debroy Somers). Rio Novelty Orchestra, "Mientras Llora el Tango" (Barabine).

6.16: Columbia Symphony Orchestra, "Idilio" (Lack). Albert W. Ketelbey's Concert Orchestra, "Cockney Suite": (1) "A State Procession," (2) "The Cockney Lover," (3) "At the Palace de Dance," (4) "Elegy," (5) "Bank Holiday" (Ketelbey).

6.35: J. H. Squire Celeste Octet, "Funeral March of a Marionette" (Gounod, arr. Sear). Gil Dech Ensemble, "Valse Parisienne" (Roberts, arr. Barry). Debroy Somers Band, "Mister Cinders" Selection (Ellis and Myers).

6.47: Rio Novelty Orchestra, "Spaventa" Tango (Pares). Columbia Symphony Orchestra, "Spring Song" (Mendelssohn).

J. H. Squire Celeste Octet, "Air on G String" (Bach, arr. Sear). Gil Dech Ensemble, "Italian Nights" (Roberts).

7.0: News and reports.

7.15: Dialogue, R. B. Tennant and L. W. McCaskill, "Farmer Brown and the Instructor."

Concert Programme.

8.0: Recording, Berlin State Opera House Orchestra, "The Barber of Seville" (Rossini).

8.9: Contralto, Iris E. Wakelin, "If My Songs Were Only Winged" (Hahn); "Vorrei" (Tosti).

8.15: Violin, Maitland McCutcheon, "Finale from Concerto" (Max Bruch).

8.22: Recording, Chorus and Orchestra, "Merrie England" (German).

8.30: Bass, F. E. Woods, "Blow, Blow, Thou Winter Wind" (Sargeant); "Echo" (Somerset).

8.37: Piano, Mrs. C. Drake, "Lyric Pieces" (Grieg).

8.45: Soprano, Nona Davidson, "Gretchen at the Spinning Wheel" (Schubert); "The Poet's Life" (Elgar).

8.52: Recording, B.R.C. Wireless Symphony Orchestra, "Ruy Blas" (Mendelssohn).

9.0: Weather report and notices.

9.2: Reserved.

9.17: Contralto, Iris E. Wakelin, "Sleep, Little Ruffy Fluffy Bird" (Lehmann). Bass, F. E. Woods, "The Two Grenadiers" (Schumann).

9.23: Violin, Maitland McCutcheon, "On Wings of Song" (Mendelssohn).

9.27: Soprano, Nona Davidson, "When Thou Art Nigh" (Moffat).

9.30: Dance music.

4YA DUNEDIN 550 kc.
Wednesday 17.

3.0: Selected recordings.
3.15: Talk, Home Science Extension Department of Otago University, "What to Wear for Spring."
4.30: Sports results.
5.0: Children, by Aunt Gretchen and Big Brother Bill.

1YA AUCKLAND 902 kc.
Thursday 18.

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, "Consider Your Weight."
4.30: Sports results.
5.0: Children, by Skipper.

Dinner Music.

6.0: Herman Finck and His Orchestra, "Waldfuehl Memories" (arr. Finck). Plaza Theatre Orchestra, "A la Gavotte" (Finck). Columbia Symphony Orchestra, "Badinage" (Herbert). J. H. Squire Celeste Octet, "Scene de Ballet" (de Beriot, arr. Sear).

6.17: Johann Strauss and Symphony Orchestra, "Blue Danube Waltz" (Strauss). Orchestra Symphonique de Paris, "L'Arlesienne Suite—Intermezzo" (Bizet). Sandor Joszi Orchestra, "An Eastern Wedding" (Prychistal). Pavilion Lescaut Tango Orchestra, "In a Little Cafe" Tango (Newbach). Plaza Theatre Orchestra, "Minuet" (Finck).

6.31: Columbia Symphony Orchestra, "Al Fresco" (Herbert). The Parlophone Salon Orchestra, "La Source—Ballet Suite" (Delibes, arr. Weninger). Sandor Joszi Orchestra, "The Hobgoblin's Story" (Brecht). J. H. Squire Celeste Octet, Second Movement from "Symphony Pathetique" (Tschalkowsky).

6.49: Johann Strauss and Symphony Orchestra, "Morgen Blatter" Waltz (Strauss). Orchestre Symphonique de Paris, "L'Arlesienne Suite—Entr'acte—Le Cuisine de Castelet" (Bizet). Barnabas von Geszy and His Orchestra, "Paradon, My Lady" Tango (Jager).

7.0: News and reports.

Concert Programme.

8.0: Relay. Royal Auckland Choir Concert from Town Hall, conducted by Dr. W. E. Thomas.

2YA WELLINGTON 720 kc.
Thursday 18.

10.0: Selected recordings.
10.30: Devotional service.
10.45: Lecturette, "Cooking by Electricity."

Thursday

Evening Talks: "Biological Aspects of Life—Nature or Nurture?" (W.E.A. session)—Miss D. Spence-Sales, M.A.

2YA, 7.30.

"Grasses and Fodder for Dairy Cows"—Mr. John Parlance. 3YA, 7.20.

"European Musical Genius—Its Influence"—Mr. A. G. Thompson.

3YA, 9.4.

Features: 1YA. Relay of concert by Royal Auckland Choir, from the Town Hall. 8 p.m.

2YA. Relay from Town Hall, concert of Wellington Harmonic Society.

3YA. Recorded programme commemorating bicentenary of Franz Joseph Haydn, preceded by first section of "Radio Record" Literary Competition, "Selected Passages from Authors of Pre-Victorian Era."

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

12.0: Lunch music.

2.0: Selected recordings.

3.15: Lecturette. Talk prepared by the Home Science Extension Department of the Otago University, "Consider Your Weight."

3.30 and 4.30: Sports results.

5.0: Children, by Big Brother Jack.

Dinner Music.

6.0: The Parlophone Salon Orchestra, "A Lover in Damascus" (Woodforde-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" (Parts 1 and 2) (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. R. Brecht). La Argentina, Castanets with Orchestra, "La Corrida" (The Bull Fight) (Valverde).

6.55: Edith Lorand Orchestra, "O Maiden, My Maiden" (Lehar).

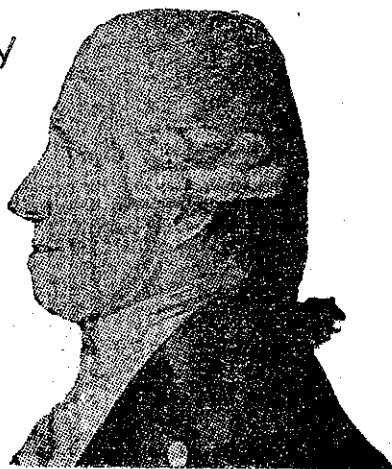
7.0: News and reports.

7.30: W.E.A. Session: Miss D. Spence-Sales, M.A., "Biological Aspects of Life—Nature or Nurture?"

The Bi-Centenary of Franz Joseph Haydn

will be commemorated by a
special recorded programme
to be broadcast from 3YA

On
AUGUST 18.



Concert Programme.

(Relayed by 2ZD, Masterton.)

8.0: Relay from Concert, Chamber, Town Hall of Concert by Wellington Harmonic Society (Conductor, H. Temple White).

The Choir, "Noble Chief! Thee We Hail" (Glinka).

Part Song, The Choir, "How Sweet the Moonlight Sleeps" (Leslie). Bass-baritone, Trevor Thomas, "The Lute Player" (Allitsen).

Cello, Elvira Wycherley, "Le Cygne" (Saint-Saens); "Arlequin" (Popper).

Folk Songs, The Choir, "In Silent Night"; "Love, Fare Thee Well" (both by Brahms).

Contralto, Hilda Chudley, "Hills" (La Forge).

Part Songs, The Choir, "Awake, Awake!" (Granville Bantock); "O Happy Eyes" (Elgar).

Weather report and notices.

The Choir, "News from Whydah" (Balfour Gardiner); "Celtic Hymn" (arr. Robertson).

Bass-baritone, Trevor Thomas, "The Two Grenadiers" (Schumann).

Cello, Elvira Wycherley, "Orientale" (Cui); "Guitarre" (Moszkowski).

Part Song, The Choir, "The Lee Shore" (Coleridge-Taylor).

Contralto, Hilda Chudley, "Do Not Go, My Love" (Hageman); "Cherry Ripe" (Scott).

The Choir, "Choral Rhapsody on Welsh Airs" (arr. Fletcher).

3YA CHRISTCHURCH 980 kc.
Thursday 18.

3.0: Selected recordings.

3.15: Home Science Talk. Prepared by Home Science Extension Service of Otago University, "Consider Your Weight."

4.30: Sports results.

5.0: Children, by "Ladybird" and "Uncle Dick."

Dinner Music.

6.0: Royal Opera Orchestra, "Carmen—Entr'acte and Ballet No. 1" (Bizet). Ferdy Kauffman and His Orchestra, "The Gipsy Baron—Selection" (Strauss). De Groot and the Piccadilly Orchestra, "If Only I Had You" (Davies). New Light Symphony Orchestra, "At Dawning" (Cadman).

6.16: Coldstream Guards' Band, "Suite Francaise" (Foulds). J. H. Squire Co-

Tease Octet, "Song of the Waterfall" (Squire).

6.31: Piccadilly Orchestra, "The Waltz Dream" (Strauss). Royal Opera Orchestra, "Carmen—Ballet No. 2" (Bizet). Regal Salon Orchestra, "Memories of Beethoven" (Beethoven).

6.49: Concert Orchestra, "Sous Bois" (Staub). De Groot and the Piccadilly Orchestra, "Lolita" (Ferrette and Biesier). New Light Symphony Orchestra, "The Waltzing Doll" (Poldini).

7.0: News and reports.

7.20: Talk. John Parlance, "Grasses and Fodder for Dairy Cows."

7.35: Literary Competition (first of series), "Selected Passages from Authors of Pre-Victorian Era."

Concert Programme of Recordings.

8.0: First part. Commemorating Bicentenary of Franz Joseph Haydn. Compositions by Haydn and Mozart. Second part, Light and Miscellaneous Recordings. Berlin State Opera House Orchestra, "The Toy Symphony" (Haydn). (a) "Allegro"; (b) "Menuett"; (c) "Finale"; (d) "Allegro."

8.8: Bass-baritone, Peter Dawson, "Rolling in Foaming Billows" (Haydn).

8.12: National Chorus and Soloists, "The Heavens Are Telling" ("Creation") (Haydn).

8.16: Cello, Hans Bottermund and Orchestra, "Adagio"—Concerto in D Major (Haydn).

8.22: Soprano, Elizabeth Rethberg, "Pamina's Air, 'Hours of Joy'" (Mozart).

8.25: Poltronieri String Quartet, "Quartet in G Major" (Haydn): (a) "Allegro con Spirito"; (b) "Andante Sostenuto Minuetto."

8.31: Duet, Rosa Raisa and Giacomo Rimini, "Thy Little Hand Love" (Mozart).

8.34: Cello, Gaspar Cassado, "Menuett" (Haydn).

8.37: Boy Soprano, Master John Bonner, "With Verdure Clad" (from "Creation") (Haydn).

8.45: Squire's Celeste Octet, "Minuet in D" (Mozart).

8.48: Baritone, Michael Bohnen, "Within This Hallowed Dwelling" (Mozart).

8.52: Cello, Guilhermina Suggia, "Allegro"—Concerto in D Major (Haydn).

8.55: Vienna Philharmonic Orchestra, "Turkish March" (Mozart).

8.58: National Chorus, "Emperor's Hymn" (Haydn).

9.2: Weather forecast and Notices.

9.4: Talk. A. G. Thompson, "European Musical Genius—Its Influence."

9.19: Olshanets Orchestra (Lithuanian Folk Dance), "Sarba Maracina"; (Rumanian Folk Dance), "Untrea Romanelor" (both by Moskow).

9.25: George Seversky, "Tell Me With a Love Song" (Koehler).

9.28: Accordionist, William Hannah, "The Black Watch" (Country Dance) (Hannah).

9.31: Descriptive Sketch, Clapham and Dwyer, "Making a Talkie" (Clapham and Dwyer).

9.37: Selection, New Mayfair Orchestra, "Sally" (Kern).

9.43: Vocal Quintet, Comedy Harmonists, "The Way With Every Sailor" (Haymann).

9.46: Piano, Raie de Costa, "Rio Rita" (Medley) (Tierney).

9.49: Organ, Terence Casey, "Just One More Chance" (Johnston); "Time Alone Will Tell" (Nicholls).

9.55: Comedienne, Ann Penn, "Out in the New Mown Hay" (Tracey-Dougherty).

9.58: Dajos Bela Orchestra, "Scharn Waltz" (Strauss).

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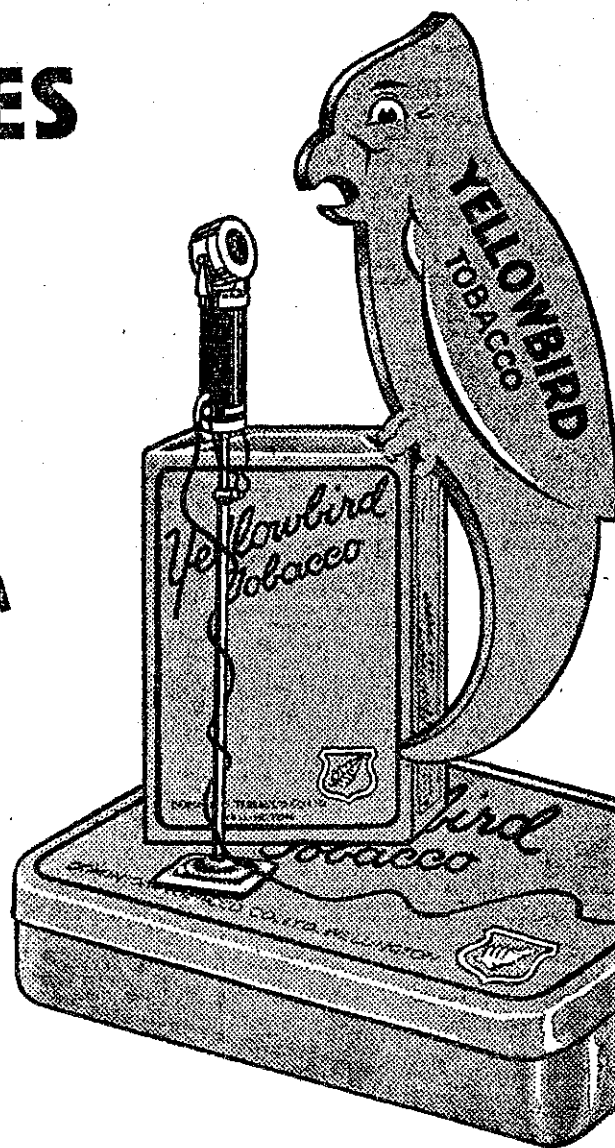
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IYA AUCKLAND 902 kc. Friday 19.

12.45: Relay of Community Singing from Lewis Eady Hall.
3.0: Selected recordings and literary selection.
4.30: Sports results.
5.0: Children, by Nod.

Dinner Music.

6.0: Berlin Philharmonic Orchestra, "Carnival Romain" Overture (Berlioz). Poltronieri String Quartet, "Canzonetta" from "Quartet in E" (Mendelssohn). Herman Finck and His Orchestra, "Gaiety Echoes" (Monckton).

6.19: Organ, G. T. Pattman, "Cherie" Waltz (Valentine). Bernardo Gallico and His Orchestra, "The Clock is Playing" (Blaauw). London Palladium Orchestra, "Katja, the Dancer" Waltz (Gilbert). Raia da Costa Ensemble, "Funny Face" Selection (Gershwin).

6.37: J. H. Squire Celeste Octet, "Everybody's Melodies" (arr. J. H. Squire). Poltronieri String Quartet, "Serenade" from "Quartet in F" (Haydn). London Palladium Orchestra, "Maid of the Mountains" Waltz (Fraser-Simson).

6.51: Organ, G. T. Pattman, "Worryin' Waltz" (Faiman). Bernardo Gallico and His Orchestra, "The Dance of the Dwarfs" (Noack).

7.0: News and reports.
7.30: Sports talk.

Concert Programme.

8.0: Recording, Royal Air Force Band, "A Country Girl" (Monckton).

8.9: Soprano, Gwenda Weir, "The Old Flagged Path"; "The Parlour" (both by Arundale).

8.14: Recording (Piano), Lee Sims, "Stardust" (Parish).

Vocal and Whistling, Short Brothers, "Listen to the Mocking Bird."

8.20: Overture, IYA Chamber Orchestra, "Ruy Blas" (Mendelssohn). Serenade, "Anita" (Bilton).

8.32: Baritone, R. D. Lebeau, "A Sail in a Piping Breeze" (Petrie); "Mona" (Adams).

8.38: Recording, Mississippi Mixed Quartet, "Massa's in the Cold, Cold Ground" (Foster).

8.41: Organ Recital, Arthur E. Wilson, "Festival March," "Three-part Song" (both by Calkin); Fantasia on "Bells of Aberdovey" (Stewart); Overture to "Zampa" (Herold).

9.1: Weather forecast and notices.

9.3: Talk, Phil. Seabrook, "Classic Motor Races—The Monaco Grand Prix."

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

9.25: Recording (Violin), Roderick Gray, "Culloden Medley" (arr. MacKenzie-Murdock).

9.28: Soprano, Gwenda Weir, "The Old Kitchen"; "The Night Nursery" (both by Arundale).

9.33: Interlude, The Orchestra, "The Cat and the Mouse" (Englemann). Waltz, "Gold and Silver" (Lehar).

9.40: Baritone, R. D. Lebeau, "My Old Shako" (Trotiere).

9.44: Recording, London Piano-accor-dion Band, "Rainbow" Waltz (Dobson). Flanagan Brothers, "The Girl I Left Behind Me" (Lover); "Kelly's Cow has Got No Tail" (Gibbons).

9.53: Selection, The Orchestra, "Iolanthe" (Sullivan).

Friday

Evening Talks: "Classic Motor Races—The Monaco Grand Sports Talk. IYA, 7.30.

Prix"—Mr. Phil Seabrook. IYA, 9.3.

"British Drama Service League"—Mr. Victor Lloyd. 2YA, 7.30.

"Town Planning"—Mr. J. W. Mawson, F.R.I.B.A., M.T.P.I. 2YA, 7.40.

"Our Moon and Its Origin"—Mr. A. W. Tucker, M.A., B.Sc., F.R.A.S. (W.E.A. session). 3YA, 7.30.

"English Novels at the Beginning of 1932"—Mr. Hugh Walpole (recorded). 3YA, 9.2.

"Social Topics in Literature: Sir Harry Atkinson and Laissez-Faire" (W.E.A. session)—Mr. George McCracken. 4YA, 7.30.

Features: IYA. Community Singing from Lewis Eady Hall, 12.45: IYA Chamber Orchestra and Mr. R. D. Lebeau, baritone.

2YA. Selected recordings and 2YA Concert Orchestra.

3YA. Studio Orchestra and Mr. J. H. Cocks, baritone.

4YA. Vaudeville programme by 4YA artists.

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by Uncle Jim.

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 Bleu" (Spolianski). Salon Orchestra, "Aloha Sunset Land" (Kawelo). Reginald King and His Orchestra, "Song o' My Heart" Selection.

6.39: Chicago Symphony Orchestra, "Traume" (Dreams), (Wagner, arr. Thomas). New Symphony Orchestra, "Nell 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). Salon Orchestra, "Chanson Boheme" (Baldi).

7.0: News and reports.

7.30: Lecturette, Mr. Victor Lloyd, "British Drama Service League."

7.40: Lecturette, J. W. Mawson, F.R.I.B.A., M.T.P.I. "Town Planning."

Concert Programme.

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

8.8: Twenty minutes of selected recordings.

8.28: The Orchestra, "Il Trovatore" Selection (Verdi).

8.40: Twenty minutes of selected recordings.

9.0: Weather report and notices.

9.2: The Orchestra, "Rose Mousse" (Bosc).

9.6: Sketch, Mr. and Mrs. J. W. Bailey, "Mr. Guppy's Proposal" (Dickens). Humour, Mr. J. W. Bailey, "The Wax-works Watchman" (Wilcock).

9.21: Morceau, The Orchestra, "Pas des Echarpes" (Chaminade). March, "Beau Ideal" (Souza).

9.30: Dance programme.

Dinner Music.

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

6.24: Royal Opera Orchestra, "The Sleeping Beauty" Panorama (Tchaikovsky). Marek Weber and His Orchestra, "Tales of Autumn" (Pomona) Waltz (Waldteufel). "The Beggar Student" Selection (Millocker). New Light Symphony Orchestra, "Spanish Serenade" (Bizet).

6.42: Marek Weber and His Orchestra, "Faust" Selection (Gounod, arr. Weber). Royal Opera Orchestra, "Shepherd Fennel's Dance" (Balfour Gardiner). Marek Weber and His Orchestra, "Blonde or Brunette" Waltz (Waldteufel).

7.0: News and reports.
7.30: W.E.A. Session, A. W. Tucker, M.A., B.Sc., F.R.A.S., "Our Moon and its Origin."

Concert Programme.

8.0: Studio Orchestra (Conductor, Harold Beck), "The Ultimatum" (Allan): "Crown Diamonds" (Auber).

8.10: Soprano, Addie Campbell, "Love Comes but Once" (Hall); "Lullaby" (Lieurance); "Overtones" (Rasbach).

8.15: Recording (Piano), Edgar Fairchild and Robert Lindholm, "Carmen" (Medley), (Bizet).

8.18: Baritone, J. H. Cocks, "The King's Minstrel" (Pinsuti); "Wimwe! Oh, Wimmen" (Lyall Phillips).

8.23: Studio Orchestra, "Pizzicato" Polka (Strauss); "The Clock is Playing" (Blaauw).

8.30: Selected recordings.

9.0: Weather forecast and notices.

9.2: Recorded talks by well-known authors, Hugh Walpole, "English Novels at the Beginning of 1932."

9.17: Studio Orchestra, "The Belle of New York" (Kerker).

9.28: Soprano, Addie Campbell, "The Temple Bells" (with orchestra); "Till I Wake" (with orchestra), (both by Wood-forde-Finden).

9.32: Recording (Organ), Sigmundo Del Oro, "Mexicali Rose" (Stone-Tenney).

9.35: Baritone, J. H. Cocks, "Down Here" (Brahe); "Corisande" (Sander-son).

9.40: Recording (Humour), Clarkson Rose and Company, "A Leakage in the Tank" (Rose).

9.46: Studio Orchestra, "Goblin Blues" (Monte Carlo); "The Can Song" (Wil-dams).

9.52: Recording, Chorus and Orchestra National de l'Opera, Paris, "La Kermesse" (Gounod).

9.58: Recording, B.B.C. Wireless Military Band, "Dance of the Dwarfs" (Grieg).

4YA DUNEDIN 550 kc. Friday 19.

12.0: Relay of Community Singing from Town Hall.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children, by Aunt Shiela

Dinner Music.

6.0: London Theatre Orchestra, "Frederica" Selection. New Queen's Hall Light Orchestra, "Summer Day's Suite" (Coates): (1) "In a Country Lane," (2) "On the Edge of the Lake," (3) "At the Dance." Albert Sandler and His Orchestra, "Salut d'Amour" (Elgar).

6.22: New Concert Orchestra, "Nights of Fragrance" Waltz (Ziehrer). New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor): (1) "Un Sonnet d'Amour," (2) "La Tarantelle Fretilante."

6.40: J. H. Squire Celeste Octet, "Putting the Clock Back" (arr. Squire). Albert Sandler and His Orchestra, "For You Alone" (Geehl).

6.51: New Concert Orchestra, "Vienna Maidens" Waltz (Ziehrer). Minneapolis Symphony Orchestra, "Waita Poi" (Hill).

7.0: News and reports.

7.30: W.E.A. Session, George McCracken, "Social Topics in Literature: Sir Harry Atkinson and Laissez-Faire."

Concert Programme

8.0: Recording, London Palladium Orchestra, "The Rose" (Myddleton).

8.9: Vocal Sextet, "This English Land" (Phillips).

8.13: Accordion, Ted Heaney, "Oh, Donna Clara" (Petersburgski).

8.19: Humour, The Aironuts, "The Raw Recruit" (No. 2) (Jones).

8.27: Baritone, W. Ruffell, "Home Again"; Sextet, "When the Heart is Blithe and Jolly" (both by Phillips).

8.35: Recording (Waltzes), "Roses of Picardy" (Wood); "Kiss Me Again" (Herbert).

8.41: The Two Wallons, introducing "Wanted to Go Back" (Lee); "Sleepy Valley" (Hanley).

8.47: Harmonica, G. Silva, "Old Comrades" (Telke); "Ramona" (Gilbert).

8.52: Duet, Helen Roy and John T. Leech, "It was the Merry Month of May-ing" (German).

8.55: Saxophone, J. McCaw, "Romance de Nadir" (Bizet).

9.0: Weather report and notices.

9.2: Reserved.

9.17: Recording, Plaza Theatre Orchestra, "The Busy Bee" (Bendix).

9.20: Sextet, "Sunshine and Laughter" (Phillips).

9.23: Harmonica, G. Silva, "Irish Washerwoman"; "Father O'Flynn" (Stanford).

9.27: Solos and Duets, Helen Roy and John T. Leech, "Egyptian Songs and Scenes" (Woodforde-Finden).

9.37: Recording, The A. and P. Gossies, "Herbertiana" (Herbert).

9.40: Saxophone, Mr. J. McCaw, "La Carita" (Wiedt); "Laf'n Sax" (Barroll).

9.44: Humour, The Aironuts, "To Maure To-day" (Jones).

9.50: Sextet, "West Country Lad" (German).

9.53: Accordion, Ted Heaney, "When it's Night-time in Nevada" (Pascoc).

9.56: The Two Wallons, introducing "Ragtime Cowboy Joe" (Abrahams).

9.59: Recording, Souza's Band, "The Fairest of the Fair" (Souza).

2YA WELLINGTON 720 kc. Friday 19.

10.0: Selected recordings.
10.30: Devotional service.
11.13: Lecturette, "Fa Mona"

3YA CHRISTCHURCH 980 kc. Friday 19.

3.0: Selected recordings.
4.30: Sports results.
5.0: Children, by Friday.

IYA AUCKLAND 902 kc. Saturday 20.

11.30 a.m.: Running description of Pakuranga Hunt Club's meeting from Ellerslie Racecourse.

2.45: Relay. Rugby Football from Eden Park.

5.0: Children, by Cinderella.

Dinner Music.

6.0: New Queen's Hall Light Orchestra, "The Little Minister" Overture (MacKenzie), Parts 1 and 2. J. H. Squire Celeste Octet, "Serenade" (Titi). Symphony Orchestra, "Doctrinen" Waltz (Strauss). H. M. Grenadier Guards Band, "Martial Moments—March Medley" (Parts 1 and 2) (arr. Winter).

6.24: Plaza Theatre Orchestra, "The Three Bears" (Coates). London Palladium Orchestra, "Lightning Switch" (Alford), Parts 1 and 2. J. H. Squire Celeste Octet, "La Serenata" (Braga).

6.41: Herman Finck and His Orchestra, "Old and New—Pot-pourri of Popular Melodies" (arr. Finck). Symphony Orchestra, "When the Lemons Bloom" Waltz (Strauss).

7.0: News and reports.

7.40: Talk, W. E. Priestly, "Modern Ballroom Dancing."

Concert Programme.

8.0: Recording, Stockholm Royal Opera House Orchestra, "Eugen Onegin" (Tschalkowsky).

8.5: Contralto, Eileen H. Miller, "Serenata" (Tosti); "The Forge" (Brahms).

8.11: Trio, Ingall's Hawaiian Trio, "Kawaihau Waltz" (Awai); "La Pakima" (Yradier); "Hilo March" (Lillio-kalani).

8.18: Novelty, Black-Bennetto Duo, "A Pierrot Phantasy."

8.26: Recording, London Novelty Orchestra, "A Coon Band Contest" (Pryor).

8.29: Piano-acordion, L. Zanderigo, "Last Hope" (Morelli); "Maria Mari" (di Capua).

8.35: Contralto, Eileen H. Miller, "Afton Water" (Hume); "Turn Ye to Me" (Traditional).

8.40: Recording (Piano), Leslie Hutchinson, "Okay, Baby" (Pinkard).

8.43: Trio, Ingall's Hawaiian Trio, "Aloha Sunset Land" (Kaweno); "Wreath for Princess" (Hopkins).

8.49: Novelty, Black-Bennetto Duo, "A Pierrot Phantasy."

8.56: Piano-acordion, L. Zanderigo, "Miserere" (Verdi); "Primo Bacio" (Iona).

9.1: Weather forecast and notices.

9.3: G. A. Thomas, "A Musical Pilgrimage: England."

10.8: Sports summary.

10.13: Dance programme.

2YA WELLINGTON 720 kc. Saturday 20.

2.45: Relay. Rugby Football, Athletic Park.

5.0: Children, by Aunt Molly and Uncle Jasper.

Dinner Music.

6.0: Berlin State Opera Orchestra, "Oberon" Overture, Parts 1 and 2 (Weber). H.M. Air Force Band, "The Parade of the Tin Soldiers" (Jessel). Arthur de Greef and the Royal Albert Hall Orchestra, "Hungarian Fantasia" (Liszt), Parts 1-4.

6.26: Organ, Reginald Foort, "The Sacred Hour" (Ketelbey). National Symphony Orchestra, "Stradella" Overture

Saturday

Evening Talks: "Modern Ballroom Dancing"—Mr. W. E. Priestly. IYA, 7.40.

"A Musical Pilgrimage: England"—Mr. G. A. Thomas. IYA, 9.3.

"Maori and Pakeha—The Maori As He Was" (W.E.A. session)—Dr. I. L. G. Sutherland. 2YA, 7.30.

"Town Planning—Amenities"—Mr. A. H. Bridge. 3YA, 7.45.

Sports Broadcasts: IYA. 11.30 a.m. Relay of Pakuranga Hunt Club Annual meeting from Ellerslie. 2.45 p.m.

Rugby from Eden Park.

2YA. 2.45 p.m. Rugby from Athletic Park.

4YA. 1.30 p.m. Rugby from Carisbrook Ground.

Features: IYA. Popular miscellaneous programme.

2YA. 2YA Concert Orchestra and light popular programme by assisting artists.

3YA. Light popular programme by Christchurch Salon Orchestra and assisting artists.

4YA. Programme relayed from 3YA.

(Flotow). Instrumental Trio, Fritz Kreisler, Hugo Kreisler and M. Raucher-sen, "Marche Miniature Viennoise" (Kreisler). B.B.C. Wireless Military Band, "Le Reve Passe" (Helmer). 6.48: London Symphony Orchestra, "Kowant-china—Persian Dances" (Moussorgsky), Parts 1 and 2. Organ, Leslie James, "Medley of Old Songs."

6.52: Fritz Kreisler, Hugo Kreisler and M. Raucher-sen, "Syncopation" (Kreisler). H.M. Air Force Band, "The Nightingale and the Frog" (Ellenberg).

7.0: News and reports.

7.30: W.E.A. Session, Dr. I. L. G. Sutherland, "Maori and Pakeha—The Maori as He Was."

Concert Programme.

(Relayed by 2ZD, Masterton.)

8.0: Overture, 2YA Concert Orchestra (Conductor, Leon de Mauny), "The Merry Wives of Windsor" (Nicolai).

8.8: Recording (Baritone), Norman Allin, "The Midshipmite" (Adams).

8.12: Novelty Vocal and Instrumental Trio, "The Bridges Trio, 'In a Chinese Temple Garden' (Ketelbey); 'Wanganui City' (Gray); 'Nako te Whare'; 'Te Wairua' (both arr. Piripata).

8.25: Mezzo-contralto, Dorothy Symonds, "Reaping" (Conningsby-Clarke); "The Flower Song" (Gounod).

8.31: The Orchestra, "Patience" Selection (Sullivan).

8.43: Recording (Humour), Wiss Wynne, "There's Always Something" (Wilcock); "A Cockney Girl at the Cinema" (Wynne).

8.49: The Orchestra, "Selection of Old and New Melodies" (Finck).

9.0: Weather report and notices.

9.2: Reserved.

9.15: Novelty Vocal and Instrumental Trio, The Bridges Trio, "The Mocking Bird" (arr. Bridges); "Rocky Mountain Lullaby" (King); "The Wedding of the Rose" (Jessel); "E Noho Nei" (Piripata).

9.30: Mezzo-contralto, Dorothy Symonds, "The Violet" (Mozart); "The Traction Engine" (Marchant).

9.36: Valse, The Orchestra, "Les Sirenes" (Waldteufel).

9.41: Recording (Humour), "The Happiness Boys, 'Twisting the Dials'.

9.49: Intermezzo, The Orchestra, "Naila" (Delibes). March, "The Lord Mayor" (Byford).

10.0: Sporting summary.

10.10: Relay of Dance Music from the Adelphi Cabaret.

3YA CHRISTCHURCH 980 kc. Saturday 20.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children, by Aunt Pat.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "The Magic Flute" Overture (Mozart). Sandor Joszi Orchestra, "Polo" (Petras). 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 Capital 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" (Blaufluss). 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.

7.45: Town Planning Talk, A. H. Bridge, "Amenities."

Concert Programme.

8.0: Christchurch Salon Orchestra (Conductor, Francis E. Bate), "A Comedy—Overture" (Barr-Partridge).

8.13: Recording, Ritz Quartet, "Old Man Noah."

8.15: Recording (Cornet), "Sylvester Ahola, 'Absent' (Metcalf).

8.18: Jazz Songs, Rex Sayers, "I'm Happy When You're Happy" (Baer); "I Apologise" (Hoffmann).

8.25: Recording, Arthur Pryor's Band, "The Whistler and His Dog" (Pryor).

8.27: Sketches, Naare Hooper and Denys Cow, "The Parting"; "Stung" (both by Garde Peach). ("Ever-ready Sketches" are published by Messrs. Samuel French Limited, 26 Southampton Street, Strand, London, W.C.2.)

8.39: Salon Orchestra, Rhythmic Character Themes: "The Philanderer"; "The Hustler"; "The Flapper"; "The Show-off" (all by Sanders).

8.52: Soprano, Eveline Hill, "Daffodils from My Garden" (Boanas); "The Little Brown Owl" (Sanderson).

8.57: Recording (Yodelling), Andreany, "Tyrolean Polka" (Blangy).

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Jazz Songs, Rex Sayers, "When You Were the Blossom of Buttercup Lane" (Meyer); "Home" (Van Steeden).

9.24: Recording, Band of H.M. Coldstream Guards, "A Musical Switch" (Alford).

9.32: Sketch, Naare Hooper and Denys Cow, "Wave Lengths" (Garde Peach). ("Ever-ready Sketches" are published by Sampel French Ltd., 26 Southampton St. Strand, London, W.C.2.)

9.38: Salon Orchestra, "Mon Coeur Est Pour Toi" (Silesu); "The Flight of the Bumble Bee" (Rimsky-Korsakov).

9.47: Soprano, Eveline Hill, "The Little Old Garden" (Hewitt); "Sweet Lady Moll" (Phillips).

9.51: Recording, Beryl Newell, "The Sweetest Story Ever Told" (Stultz).

9.54: Recording, Carl Foston and Male Quartet, "Song of the Vagabonds" (Friml).

9.56: Recording, Argyll Reel and Strathspey Band, "Crampian," "Eight-some Reel" (Traditional).

10.0: Sports summary.

10.10: Dance music.

4YA DUNEDIN 550 kc. Saturday 20.

1.30: Relay. Rugby Football from Carisbrook Ground.

4.30: Sports results.

5.0: Children, by Aunt Anita.

Dinner Music.

6.0: Johann Strauss and His Orchestra, "Radetzky March" (Strauss). Milan Symphony Orchestra, "Semiramide" Overture (Rossini). Johann Strauss and His Orchestra, "Voices of Spring" Waltz (Strauss). Berlin State Opera House Orchestra, "Schwanda, the Bagpipe Player" (Weinberger). Jean Lensen and His Orchestra, "Ideale" (Tosti, arr. Tavan).

6.27: J. H. Squire Celeste Octet, "Hungarian Dance in D" (Brahms). J. H. Squire Celeste Octet, "Memories of Mendelssohn." Plaza Theatre Orchestra, "Bal Masque—Valse Caprice" (Fletcher).

Herman Finck's Orchestra, "Scherbertiana" (arr. Finck).

6.48: Plaza Theatre Orchestra, "Pearl o' Mine" (Fletcher). Jean Lensen and His Orchestra, "Love's Last Day" (Benatzky). J. H. Squire Celeste Octet, "Hungarian Dance in A Minor" (Brahms).

7.0: News and reports.

8.0: Relay of Programme from 3YA, Christchurch.

10.0: Sports summary.

10.10: Dance music.

SHOO-FLY PLANT



It is said that flies will not stay in a room where it is grown if they can escape. What it is that repulses them is not clear, as the flowers have no odour. It is a beautiful flowering plant, and blooms in a short time from seed. It is a profuse bloomer in pots, both summer and winter, the blossoms being large, cup-shaped, and of a lovely light blue colour, with white centre.

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DOMINION SEED AGENCY, Box 1582, Wellington, New Zealand.

1YA AUCKLAND 902 kc. Sunday 21.

2.0: Selected Recordings, and Literary selection.

6.0: Children's Song Service.
7.0: Relay. Service from Church of Christ, West Street. Preacher: Pastor W. Campbell.

Concert Programme.

8.30 (approx.): March, 1YA Chamber Orchestra, "Light" (Lankien). Overture, "A Children's Overture" (Quilter). Recording (Violin), Efreim Zimbalist, "Improvisation on a Japanese Tune" (Zimbalist); "Kuruka, Kuruka" (Japanese Lullaby) (Yamada).

1YA Broadcasting Choir, with Orchestra, "The Anvil Chorus" (Verdi); "The Sanctuary of the Heart" (Ketelbey). The Orchestra, "Valse des Alouettes" (Drigo). Reverie, "The Parting" (Bendix).

Evening weather forecast and notices. Recording, Lener String Quartet, "Quartet in D Major" (Haydn).

1YA Choir, "False Love"; "Lullaby" (both by Elgar).

Recording (Piano), Karol Szreter, "Boite a Musique" (Sauer).

Waltz, The Orchestra, "Violettes" (Waldteufel).

Recording (Soprano), Emmy Bettendorf, "Melody in F" (Rubinstein).

The Choir, "Aspiration"; "On the Alm" (both by Elgar).

Recording ('Cello), W. H. Squire, "Humoresque" (Dunkler); "Reigen" (Popper).

Choral, The Choir, "The Dance" (Elgar).

Recording (Bass-baritone), Peter Dawson, "Now Your Days of Philandering are Over" (Mozart).

Selection, The Orchestra, "Musical Jig-Saw" (Ashton).

2YA WELLINGTON 720 kc. Sunday 21.

2.0: Selected recordings.

6.0: Children's Song Service, conducted by Uncle George, assisted by Children's Choir from Taranaki Street Methodist Church.

7.0: Relay of Evening Service from St. Andrew's Presbyterian Church. Preacher: Rev. R. J. Howie, B.A. Organist and Choirmaster: Frank Thomas.

Concert Programme.

Relayed by 2ZD, Masterton.

8.15 (approx.): Studio Concert by Wellington Municipal Tramways Band (Conductor, E. Franklin) and 2YA Artists.

March, The Band, "Ravenswood" (Rimmer). Overture, "The Pied Piper" (Ham).

Quartettes, The Waiata Ladies' Quartette, "Rose in the Bud" (Forster); "Fidelin" (Brahms).

Concert Duo, Bandmaster Stevenson and Bandsman King, "Ida and Dot" (Lousey).

Soprano, Lalla Vondersloot, "Little Brown Nightingale" (Turner); "Blackbirds! How You Sing to Me" (Turner).

Recording (Vocal Duets), Herbert Thorpe and Foster Richardson, (a) "Changing of the Guard" (Jetsam); (b) "The Hero and the Villain" (Bowen).

Selection, The Band, "Turyanthe" (Weber).

Weather report and notices.

Duets, Mollie Fenton and Nora Gray, (a) "The Greenwood Shade" (Sargeant); (b) "Jack and Jill" (Sanderson).

Sunday

Waltz, The Band, "Golden Grain" (Trussell).

Contralto, Mrs. P. Ramsey, (a) "Deep River" (Burleigh); (b) "Waiata Maori" (HMI).

Recording (Male Quintet), The Singing Sophomores, (a) "Hit the Deck," Medley (Youmans); (b) "Hollywood Rose" (Kabn).

Intermezzo, The Band, "Aerial" (Ord Hume).

The Waiata Ladies' Trio, "Neapolitan Nights" (Zamecnik). The Waiata Ladies' Quartet, "A Little Love, a Little Kiss" (Silesu).

Intermezzo, The Band, "In Old Tibet" (Gatty-Sellers). March, "El Abanico" (Javaloyes).

3YA CHRISTCHURCH 980 kc. Sunday 21.

2.0: Gramophone recital.

5.30: Children's Song Service by Anglican Sunday Schools.

6.15: Musical chimes.

6.30: Relay. St. Mary's Church, Merivale. Preacher, Ven. Arch. P. B. Hag-

gitt; organist and choir conductor, Alfred Worsley.

7.45 (approx.): Selected recordings.

Concert Programme.

8.15: Relay of programme from 4YA, Dunedin.

4YA DUNEDIN 550 kc. Sunday 21.

2.0: Selected recordings.

4.30: Close down.

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

6.15: Selected recordings.

6.30: Relay of evening service from Trinity Methodist Church, Stuart Street, Dunedin. Preacher, Rev. H. B. Bellhouse; choirmaster, Jas. Simpson; organist, Miss E. Hartley.

Concert Programme.

7.45: Selected recordings.

8.15: The Salon Orchestra (Conductor, Mons. B. L. H. de Rose), "Fantasia from Schubert's Sketchbook" (Urbach).

8.27: Part Songs, Ernest Drake's

Choir, (a) "A Spring Song" (Pinsuti); (b) "As Torrents in Summer" (Elgar).

8.34: Recording (Piano), Ignace Paderewski, "Valse Caprice" (Rubenstein).

8.38: Soprano, Evelyn Shepard, (a) "Biddy" (Phillips); (b) "Good-bye" (Tosti).

8.45: Selection, The Salon Orchestra, "Aubade a la Fiancee" (Volpatti).

8.52: Tenor, Ernest Drake, "Nursery Rhymes" (Hughes).

8.56: Bass, E. Bond, "Viktoria! Viktoria!" (Carrissima). The Choir, "Hail, Gift of Song" (Wagner).

9.0: Weather report and notices.

9.2: Recording, Band of H.M. Coldstream Guards, "The Yeomen of the Guard" (Sullivan).

9.10: Contralto, Mary Pratt (a) "The Battle Hymn" (Stanford); (b) "The Lament of O'Neil" (Stanford).

9.17: Overture, The Salon Orchestra, "Tragic" (Zereco).

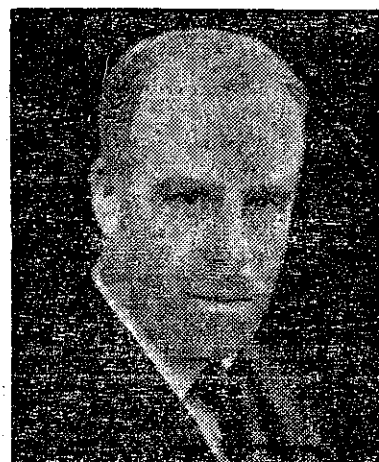
9.28: Quartet, Misses M. Matheson, M. Pratt, Messrs. E. Drake and C. Hawes, "You Shall Pay" (Flotow).

9.33: Recording (Organ), Dr. Stanley Marchant, (a) "Postlude in C" (Smart); (b) "Basso Ostinato" (Arensky).

9.40: The Salon Orchestra, (a) "The Grasshoppers' Dance" (Bucalossi); (b) "L'Extase" (Thome).

9.48: Soprano, Freda Elmes, "Quante Volti" (Bellini). Part Song, The Choir, "Welcome, May" (Mendelssohn).

9.54: Recording, Band of H.M. Grenadier Guards, "Marche Slav" (Tchaikowsky).

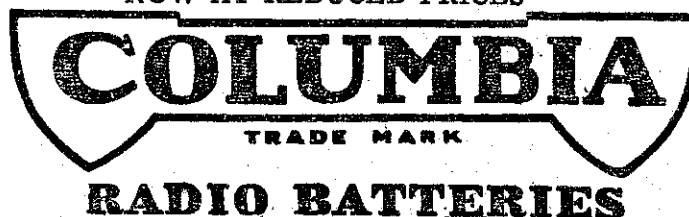


Mr. L. B. Scott, managing director of L. B. Scott & Co., Ltd., Christchurch, largest South Island firm of radio dealers, and well-known to many radio enthusiasts.

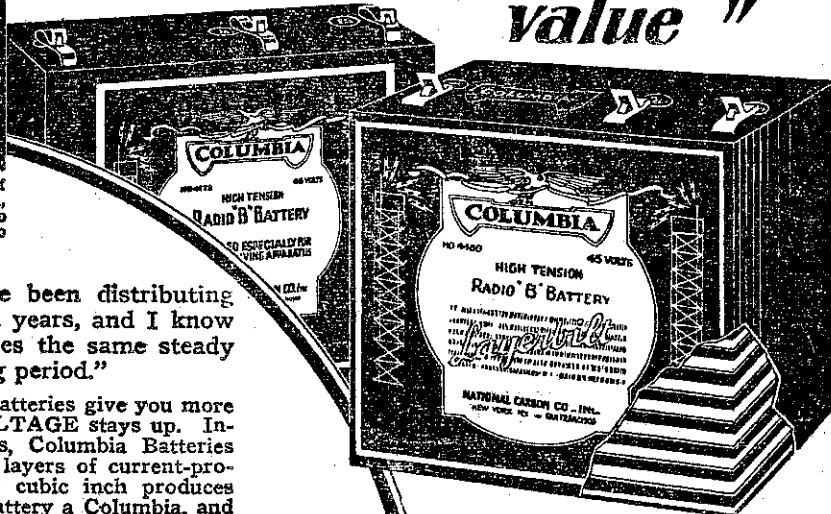
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PRINCE BIBESCU, of Roumania, President of the International Aeronautical Federation, has just become the owner of a specially modified passenger-carrying aeroplane, which has been fitted, according to his own wishes, as a luxurious air yacht.

The Prince's private room and study, occupying the rear half of the main cabin, is a comfortably furnished apartment containing several easy chairs, two beds, wardrobes, and a collapsible table. Every facility is provided for the Prince to continue his normal activities during his air cruise. A power-

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ful radio installation enables constant communication to be maintained with the ground. In the front of the main cabin are the sleeping quarters and living rooms of the Prince's suite, adjoining which is the wireless cabin and dressing-room.

The wireless apparatus, which is of British manufacture, comprises a special aircraft type transmitter and receiver. The transmitter, which is of 350 watts power, is suitable for use on telephony or telegraphy. The receiver also embodies the newest features of design for aircraft wireless apparatus, giving great selectivity combined with simplicity of tuning and adjustment. The entire apparatus is extremely compact, the dimensions of the transmitter being 18 inches by 18 inches by 9 inches, and of the receiver 7 inches by 18 inches by 9 inches—and can be controlled either by the pilot or operator as required.

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Modern Ballroom
Dancing

No. IV ... The Slow Foxtrot

by W. E. Priestly

(The synopsis of a talk broadcast from 2YA.)

FOX-TROT time may be fast or slow, the former being known as quick-step and the latter as slow fox-trot. This dance, though a little more difficult than either waltz or quickstep, is more graceful when well done—so much so that the Press have frequently referred to it as "the pride of the English ballroom."

Part of the difficulty in mastering this dance from the point of view of the novice dancer is the fact that it is always danced in three-step, which necessitates a long flowing movement. In the crowded state of some ballrooms this sometimes presents a difficulty. A well-trained dancer with a wider knowledge of turns and variations will not find nearly the same difficulty.

The tempo of the slow fox-trot is

on the ball of the l., long step forward on the ball of the r. Now keep repeating, counting slow, quick, quick, slow, quick, quick.

Natural Turn.

THE right-hand or natural turn is the most commonly used turn in the slow fox-trot, so we will try that first. Long step forward on the r. and turn to the right (two beats).

Step to side with l. on the ball of the foot (one beat).

Long step back with r. on the ball of the foot (one beat).

Step back with l. on the toe (two beats).

Turn to right on the l. heel at the same time pulling r. to l. (two beats).

Forward l. into walk (two beats).

The Reverse.

LONG step forward on the l., turning to the left (two beats).

Step to side on the ball of the r. (one beat).

Step back on the ball of the l. (one beat).

Long step back on the ball of the r. and turn to the l. (two beats).

Step to side with l. (one beat).

Step forward on ball of the r. (one beat).

Long step forward (outside partner's feet) on the left into three-step.

Reverse Wave.

A REVERSE wave is a particularly useful movement on a corner, so we will try that next. It is really not a very difficult step, as it is a combination of movements already described.

Long step forward on the l. and turn to the l. (two beats).

Step to side on the ball of the r. (one beat).

Step back on the ball of the l. (one beat).

Long step back on the r. (two beats).

Long step back on the l. (one beat).

Long step back on the r. (one beat).

Step back on the toe of the l.

Turn to the r. on the l. heel, at the same time pulling r. to l. (two beats).

Forward l. into walk (two beats).

The Feather.

A STEP that is danced very frequently in slow fox-trot is the feather. It is a very simple movement: it is just a three-step with the quick steps taken outside your partner's feet.

Long step forward on the heel of the r. (two beats).

Fairly long step forward on the ball of the l. (one beat).

Another step forward on the ball of r. (one beat).

Forward l. into three-step (two beats).

Abbreviations

THE following abbreviations are used in the text:—

l—left foot.
r—right foot.
s—slow.
q—quick.

between 44 and 48 bars to the minute (there are 54 in quickstep) and is 4/4 time. The accented beats are the first and third, the greater emphasis being placed on the first.

The Walk.

THOUGH a good dancer may use any number of variations that are in keeping with the dance, there are certain basic steps that must be adhered to. These are the walk, three-step, right hand or natural turn, left hand or reverse turn, backward wave and the change direction step.

It will be impossible to detail all these movements here, so I shall restrict my remarks to those more frequently used.

In the three-step each quick step occupies one beat only, while the slow step takes two beats. That being made clear you will realise that each three-step will take one complete bar of fox-trot time, taken quick quick slow.

The movements detailed are in each case those taken by the gentleman. The lady's steps correspond, except in a turning movement. The lady will take her turn spinning on her heels, her feet together and then step forward on the foot on which she had taken her last back step.

For the walk take a long step forward on the heel of the l., fairly long step forward on the ball of the r., long step forward on the ball of the l. Now try with the r. Long step forward on the heel of the r., long step forward

Once having mastered the steps described you will find they are sufficient to make your dancing interesting to yourself and partner. Any inquiries for these or further variations may be obtained by writing to me personally.

Short-Wave Club Notes

From the Secretary's Pen

ALL members have been circularised with a view to obtaining news, views and suggestions for the forthcoming club conference. This is in accordance with the views of the founder that the club be representative of New Zealand, with every member a member of the advisory committee.

Membership of the club does not consist merely of sending in a sub. and receiving a paper; we are out to advance short-wave. Another club, although years before us in the field, neglected to cater for the short-wave listener, hence our foundation.

On checking over the lists we find that quite a number of members have passed for their transmitters' tickets since joining, so it is suggested that a special section be formed for them.

Quite a number of owners of one-valvers are joining up now. The "Sparrow Hawk" seems to be a favourite, and some respectable logs are being obtained.

Write for particulars. There is no obligation to join. Address me, A. B. McDonagh, Secretary New Zealand Short-wave Club, 4 Queen Street, Wellington.—Yours fraternally,

MAC.

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PRIVATE STATION :: PROGRAMMES ::

1ZR Programmes

Friday, August 12.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15-2 p.m.: Mr. W. Anderton. 5: Dinner music. 6: Children's session, Uncle Cam and Fairy Princess. 7: Mr. Bill Hindman, "Sport." 7.30: Relay of Community Singing from Lewis Eady Hall; song leader, Vernon Drew. 9: Miss Doris Moore. 10: Close down.

Saturday.—10.30 a.m.: Devotional service, Rev. C. Strand. 10.45-1.30 p.m.: Music. 5: Dinner music. 6: Children's session, Polly Flinders and Jack the Giant-Killer. 7.15: Mr. W. A. Moore, "Dogs." 8: Popular programme. 10-11: Dance session.

Sunday.—9 a.m.: Uncle Tom's children's service. 9.45: Uncle Scrim conducting Studio Church Service with 1ZR Broadcasting Choir, under Mr. J. Whitley McElwain. 6 p.m.: Music. 6.15: Miss Baker's Church of England children's service. 7: Relay of Mr. A. H. Dallimore's Mission Service from East Street Hall. 8.30: Studio Standard Classics.. 9.30: Close down.

Monday.—10.30 a.m.: Devotional service, Mr. Garner. 11.15-2 p.m.: "Maori-lander"—"Titbits." 5: Dinner music. 6: Children's session, Hoppy. 7.30: Music. **Tuesday, 10.30 a.m.:** Devotional service, Uncle Scrim. 11.15-2 p.m.: Madame Milne, "Diet and Health." 5: Dinner music. 6: Children's session, Aunts Ruth and Nina and Uncle Scrim. 7.15: Speaker. 8-10: Popular programme.

Wednesday.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15-2 p.m.: Miss Jean Boswell—Poetry. 5: Dinner music. 6: Children's session, Miss Muffett. 7.15-8: Rev. Jasper Calder, "Crime and Criminals."

Thursday.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15-2 p.m.: Mr. Norman Kerr, "Physical Culture." 5: Dinner music. 6: Children's session, Wendy. 7.15: Mr. F. R. Field, "The Earth's History." 8: Oil Co.'s programme. 10-11: Dance session.

2ZW Notes

THE breakfast session from 7 to 8.30 a.m. provided by the Dominion Tobacco Co., Petone, Wellington, commenced on Tuesday, August 2, appears to be very popular judging from the many letters and comments received from all over the Dominion.

2ZW is anxious to make this session of the greatest service to listeners and will welcome any helpful suggestions.

ON Saturday, August 13, 2ZW will conduct another skating relay from the skating rink. This relay will feature trio skating, final twostep championship and spectacular exhibition skating.

2ZW Programmes

1120 k.c. (268 m.).

Tuesday, August 9.—7 to 8.30 a.m.: Breakfast session. 10 to 10.15: Devotional service. 10.15 to 11.45: Session for womenfolk. 11.45 to 12: Pianoforte recordings. 12 to 2: Lunch session. 7 p.m.: After-dinner music. 8 p.m.: Special programme by Oil Co. 9 to 11: Special dance programme by the Studio Dance Band.

Wednesday, August 10.—7 to 8.30 a.m.: Breakfast session. 10 to 10.15: Devotional service. 10.15 to 11.45: Session for womenfolk. 11.45 to 12: Pianoforte recordings. 12 to 2: Lunch session.

5 to 6: Children's session, conducted by Uncle Toby and Auntie Joan. 7: After-dinner music. 7.30: Station book review. 8 p.m.: Bright half-hour by the Merrymakers. 8.30: All-British programme. 10 to 11: Dance programme, including a relay of Mr. Frank Crowther's Orchestra from the Majestic Lounge.

Thursday, August 11.—7 to 8.30: Breakfast session. 10 to 10.15: Devotional service. 10.15 to 11.45: Session for womenfolk. 11.45 to 12: Pianoforte recordings. 12 to 2: Lunch session. 3 to 4 p.m.: Musical programme, including a relay from K. and S. tearooms at 3.30. 5 to 6: Children's session, conducted by Ladybird and Uncle Kirk. 7: After-dinner music. 7.30: Talk by Captain Galloway. 8: High-class musical programme, featuring Lucien Cesaroni. 10 to 11: Dance programme.

Friday, August 12: 7 to 8.30 a.m.: Breakfast session. Silent remainder of day.

Saturday, August 13: 7 to 8.30: Breakfast session. 10 to 10.15: Devotional service. 10.15 to 11.45: Session for womenfolk. 11.45 to 12: Pianoforte recordings. 12 to 2: Lunch session. 7 p.m.: After-dinner music. 8 p.m.: Popular programme, including skating relay from the Royal Roller Rink. 10 to midnight: Dance programme, including a relay of Mr. Frank Crowther's Orchestra from the Majestic Lounge.

Sunday, August 14.—11 a.m.: Devotional service by the Padre. 6.30: Evensong from St. Paul's Pro-Cathedral, Mulgrave Street. 8.15 to 10: High-class musical programme.

Monday, August 15.—7 to 8.30 a.m.: Breakfast session. 10 to 10.15: Devotional service. 10.15 to 11.45: Service for womenfolk. 11.45 to 12: Pianoforte recordings. 12 to 2: Lunch session. 7 p.m.: After-dinner music. 8 p.m.: Popular programme, including a short cameo. 10 to 11 p.m.: Dance programme.

Questions and Answers

(Continued from page 11.)

number of turns put on the same diameter former, or the regenerator using .00025 reaction condensers?

A.: Using 30 gauge enamelled wire you will want 100 turns for the secondary, primary 40-50 turns, reaction coil 25-30 turns.

FEED-BACK (Waikato). Explain the desirability or otherwise of fitting a static shield over the primary of a radio power transformer.

A.: The radio regulations require that unless insulation able to withstand 1000 volts pressure is wound between the primary and the secondary or a power transformer, an electro-static shield must be fitted. An earthed electro static shield minimises high frequency pick-up from the mains to the set. The shield protects the mains from a primary secondary.

2. Are the longitudinal edges overlapped? If so, they are in metallic contact.

A.: It is usual to overlap them to make a metallic contact. The shield is earthed and the effect upon the transformer negligible.

3. Can a four-valve short-wave receiver be run satisfactorily from a power-pack from the a.c. mains?—Yes.

BACKBLOCKS (Taranaki): When charging Daniell cells with bluestone

each fortnight, must fresh distilled water be used, or will the old do?

A.: It is necessary only to add the bluestone. Occasionally, say once every two or three months, clean out the pots entirely, and put in a new solution.

2. Can a six-volt accumulator be used instead of two small capacity ones?—Yes.

3. The six-volt accumulator I have was not holding the charge well before I started using the Daniell cell. Will this make any difference when connected to the Daniell cell?

A.: If there is a slight internal short-circuit, which would account for your accumulator not holding the charge, you would soon ruin your Daniell cell. Try them direct to the set without the accumulator in the circuit, if the total consumption is less than half an amp.

T. H. (Shannon): Are the broadcast primaries wound over the secondaries in the 1932 "Advance," and if so, is a piece of thick paper placed between them?

A.: Yes. The bottom turn of the primary is on a level with the bottom of the secondary, the two ends being brought out together. The ends may be held in place either by pushing them through the former, or by holding them in position with a spot of glue or amyl acetate.

2. If a wire is passed through a hole in the former I presume the wires should be as far apart as possible, and brought out through a niche in the bottom?—Yes.

3. Is the set in accordance with the wiring regulations?

A.: To make the set comply the primary of the power transformer must be connected to three-core flex, the third strand being connected with the chassis of the set and earthed through the mains. The flex must not be joined, nor must it pass from the point into another room. The power transformer must be shielded and earthed.

An Unusual Talk

THERE was recently broadcast from

London a talk by the commander of a Zeppelin that bombed London during the war. The talk had a very mixed reception. One writer accused the commander of being a baby-killer, but many recalled amusing incidents that happened to themselves during the raid. A clergyman wrote stating that the talk was of special interest to him, as the commander was within an ace of killing him.

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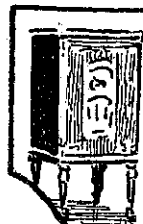
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OF FEMININE INTEREST

By "Patricia"



LATELY we have been reading much, and listening to talks over the air about the Lausanne Conference, so perhaps it may interest some of those who scan these pages to know something of Lausanne itself. Many people see it only as they arrive by train from Paris, but to see Lausanne properly it should be approached from the lake when it has the appearance of a faint mauve line, until, as you get nearer, its spires and towers detach themselves from the mist. The town itself owes much of its beauty to the fierce and rugged Savoy mountains which loom out of the shadows on the other side.

SATURDAY is market day in Lausanne, and the traders display their wares along the steep streets, among them being masses of flowers and incredibly green vegetables. About this time of the year the roses are a riot of colour, and of an exquisite perfume, and the oleanders are in bloom with a scent that absolutely forbids depression; later the cyclamen will be coming in from the Savoy hills.

OUCHY, the port of Lausanne, looks very bright in the morning. The boats are painted in brilliant colours, and the sun throws his golden light on the trees. You sit on the quay and drink your coffee while you listen to the band, perhaps the most melodious in Europe, with a feeling that "God is in His heaven and all's right with the world." The soft balmy air makes one very sleepy, and as evening approaches you decide to go to bed early. Such a resolution, however is very seldom kept for the fascinating scene on the lake where the mysteriously moving lights of the steamers glimmer, and the lights along the enchanted walk which leads to Vevey throwing strange shadows from the trees that border it, holds one entranced for hours.

FROM 22W we are to have some daily morning talks on beauty treatment, dealing with skin, hair, teeth, figure, etc. This advice is taken from the book "The Art of Feminine Beauty," by Eleanor Rubenstein, and should prove of great interest to listeners who wish to look their very best. Much can be done by a little daily care, and the three things to consider first are diet, exercise, and treatment of the skin. These will be dealt with in succession as the talks progress.

A TOPICAL talk on Palestine was the subject of the Rev. H. G. Harwood's lecturette from 2YA on Wednesday evening. He gave a fairly vivid description of Jerusalem and its environments, also of Bethlehem, Tiberias, Galilee, Nazareth, and Samaria which many listeners would find interesting. The mention of Samaria reminded me that quite recently some beautiful Ivory panels have been found in this ancient capital of the Kingdom of Israel, dating from the year 800 B.C., and depicting lotus buds and flowers, strange animals, and celestial beings from the Egyptian Pantheon.

The site of the discovery leaves no doubt that the ivories belonged to the "House of Ivory" mentioned in the Bible (1 Kings, xxii, 39), as the inscription carved on one of them bears the name of Hazael, King of Damascus, 850-800 B.C. These discoveries, which are due to the joint work of British and American archaeologists, are of the greatest importance in illustrating the civilisation of the period.

IN Palestine and the East generally, greetings are of a more flowery nature than our own. There may be a wealth of meaning in a "How d'you do?" but it has not the poetical significance contained in the Arab's "Salam," which means "peace," and is the counterpart of the Hebrew "Peace be with you" and "Go in peace." The ancient Greeks, whose civilisation had its source in the East, accosted one another with the words "Be glad." "Be well," said the Roman on meeting, and parted with a "Vale"—"Be strong." The Levantine conception of courtesy requires the recipient to expand the initial greeting. When saluted with

the wish "May your day be happy," the polite Arab must answer "May your day be happy and blessed." Conventional phrases, no doubt; yet surely more than a verbal difference divides wishes such as these from our "Good morning" and "How d'you do?"

THE talk on sales on Friday's morning from 2YA by Miss Madge Thomas would make listeners prick up their ears, and I fancy many of them will be joining the vast throng that is out for the wonderful bargains to be found in a particular store in Wellington's shopping centre. For those with a much depleted allowance, now is certainly the time to invest, not only in wearing apparel but in household necessities, which are to be had at greatly reduced prices. Also those who have the knitting craze will be able to get in a good supply of wool for a very small outlay, with which to make their summer sports wear.

MANY inquiries have been made as to the method of extracting the

juice from an onion. The Home Science Department of the Otago University explains the method thus:—Cut the onion in half so that a good surface is exposed, then slash this surface across to the depth of about one-eighth of an inch. Then cut these slashes again at right angles to the depth of one-eighth of an inch. Then scrape very finely. By this means the juice is easily obtained, and along with it one gets a small amount of very fine onion pulp, which with the actual juice is measured for the quantity required.

MANY great men have asserted that a university education has often ruined a good artisan. The talks which we hear from the lecturers and professors of our universities emphasise the fact that it is not the personnel of the teaching faculty to which this calamity might be ascribed. One would therefore think that lectures on "Home Science" given by the Extension Bureau of the Otago University would be more in keeping with the excellent material we hear on other subjects. Occasionally these talks are useful and interesting, but often much that is put over the air from this source is the purest drivel, and I have often wondered if the talks are prepared for the average mental capacity of the students attending this department or for the assumed mental capacity of the average listener.

A MOST enjoyable concert was that given in the Town Hall on Thursday night by the Symphony Orchestra under the conductorship of Mr. Leon de Mauny. A very fine piece of work was the Mendelssohn Symphony No. 3 in A minor, as was also the concerto for organ and orchestra No. 7 in Bb (Handel), the organist being Mr. Bernard Page, whose performance in this work was well up to his usual standard.

THE talented and always popular violinist Miss Ava Symons received an ovation, the like of which is usually reserved for world-famed visiting artists. This was very pleasing to hear and shows that Wellington's musical discerning public places Miss Symons as a performer of the first standard. Among the floral tributes received by Miss Symons was one in the form of a violin from country admirers, who thus rank themselves with Wellington's appreciative audiences.

ONE whom we do not often hear broadcast was Miss Helen Gardiner, who sang the scene and aria "Ah Perfido" (Beethoven). This performance was conducted by Mr. Robert Parker and received well-merited applause. The Wellington Symphony Orchestra is to be congratulated for this very excellent concert.

Our Cookery Corner

SAVOURIES are always popular at Bridge parties. Here are a few that may help:—

Savoury Biscuits. Small sav biscuits, Parmesan or Stilton cheese. Reduce cheese to consistency of a very light paste and pile on biscuit in the shape of a pyramid and place half an olive on top.

Beat up required amount of fresh cream till very stiff, being careful not to break. Add gradually sufficient juice of apricot jam to lightly tinge, then enough onion juice or finely chopped chives to flavour. This is one of the perfections in a savoury biscuit. Add as dressing a shaving of gherkin.

Sandwiches. Mayonnaise. About 6oz. chicken, 2oz. ham or tongue finely minced, 2 tablespoonfuls mayonnaise well blended, brown bread and butter.

Cream cheese. $\frac{1}{2}$ gill mayonnaise, 1 gherkin, 6 olives, 1 teaspoon capers. Mix gherkin, olives etc. finely chopped with mayonnaise. Spread on one piece of brown bread, and on the other the cream cheese, place together and cut.

Green butter. $\frac{1}{2}$ lb. butter, a little anchovy paste and small bunch of parsley. Scald parsley, strip from stalks and pound well with the butter and anchovy. Spread between slices of unbuttered bread.

Honey cake is quite a favourite with French children, and I wonder if our New Zealand children would like it! Here is the recipe: Dredge two

breakfast cups of flour into a cup of sour cream mixed with half a cup of sugar; add enough honey to flavour and stir thoroughly. Add half a teaspoonful of bicarbonate of soda, and beat the mixture well for several minutes. Bake in a greased tin in a moderately hot oven for half an hour or a little longer and serve immediately.

Honey pudding: Stir a heaped tablespoonful of arrowroot or ground rice into a cup of milk with a little water added and cook gently for ten minutes. Pour on to two cupfuls of breadcrumbs—white and wholemeal—and add a cup of honey, a tablespoonful of warmed butter and the yolks of two eggs. Beat the mixture thoroughly. Whisk the whites of the eggs and stir them in; steam in a greased mould for two hours.

Honey nightcap: Mix the juice of an orange with that of a lemon; add honey to taste and fill up with hot water; stir well.

Orange cream: 2 oranges, $\frac{1}{2}$ pint milk, 2oz. sugar, $\frac{1}{2}$ oz. gelatine, $\frac{1}{2}$ lemon.

Peel the rind of oranges very thin and put in saucepan with sugar and half a pint of milk. Bring to the boil and simmer gently for ten minutes. Melt gelatine in $\frac{1}{2}$ pint milk, taking care not to boil or it will curdle. Stir it into the $\frac{1}{2}$ pint of milk. Strain and let it get nearly cold then whisk well and add by degrees the juice of the oranges and $\frac{1}{2}$ lemon. Continue to whisk until it begins to set, then rinse mould in cold water and pour mixture into it. Put in a cool place until quite firm, turn out and serve.

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