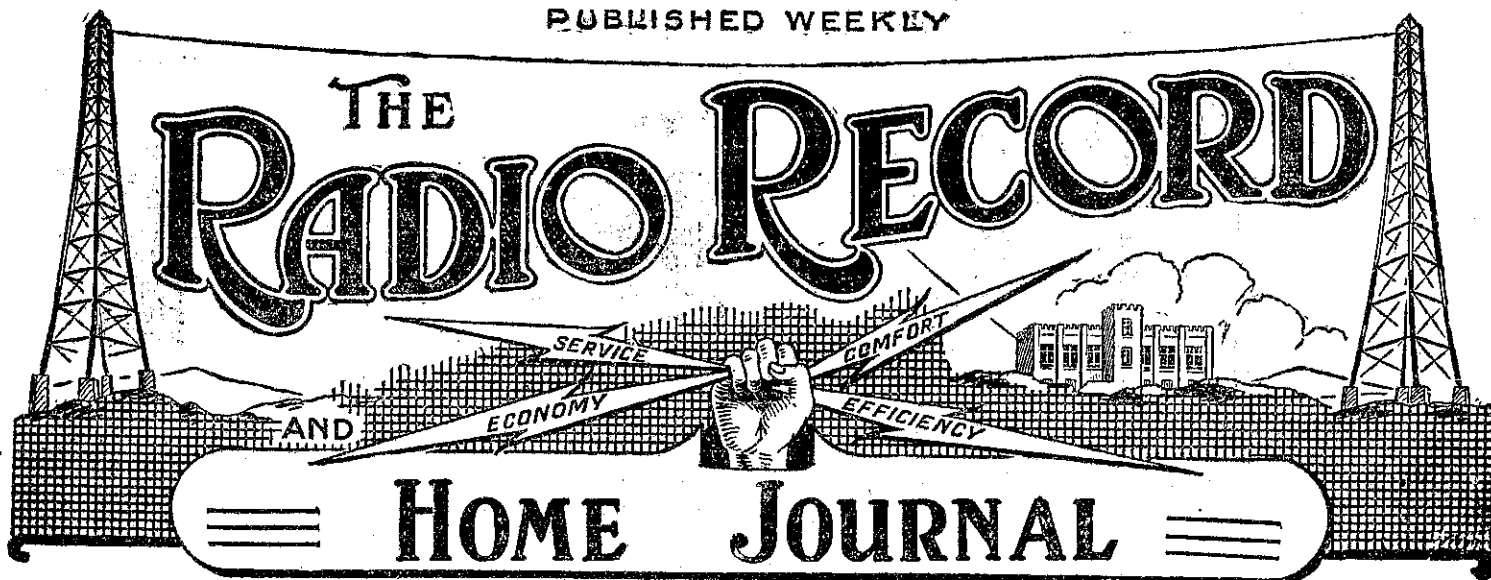


PUBLISHED WEEKLY

THE RADIO RECORD



HOME JOURNAL

Vol. V., No. 45.

WELLINGTON, FRIDAY, MAY 20, 1932.

Price 3d.

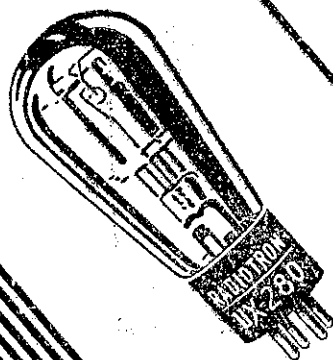
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THIS receiver is an entirely new development of the Radio Art. It is a new Midget Model, mounted in a handsome all wood walnut and walnut veneer cabinet, two-tone and high lighted, of the highest quality of construction.

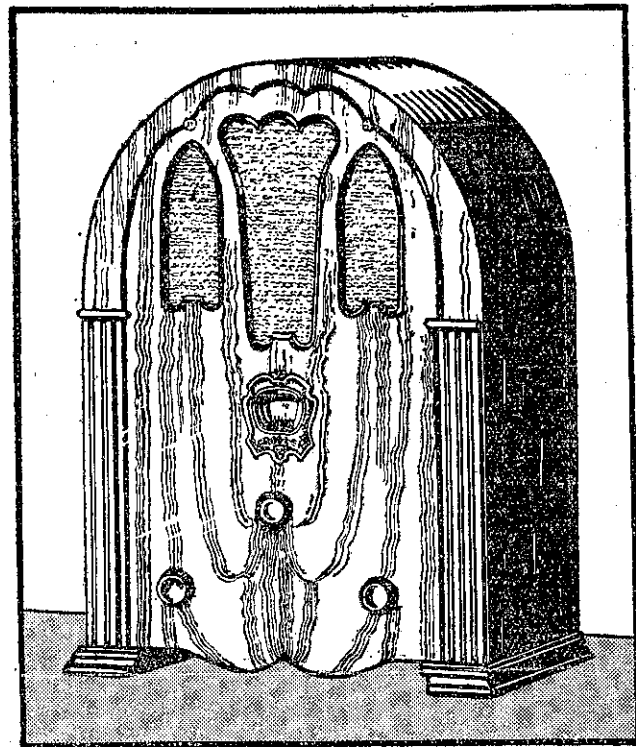
This set is a 5-valve Superheterodyne, including **FOUR SCREEN-GRID VALVES.** There is one of the new Variable Mu valves, type 235, two type 224 Screen-Grid Power Detector Valves, one type 247 Pentode Output Valve, and one type 280 Full Wave Rectifier Valve.

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

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

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Are "B" Stations Necessary?

Affirmative Views Under Present Conditions

The competition inaugurated by our contributor "Spark" on the question "Are B Stations Necessary?" drew a comprehensive range of views from readers. The winner, clear-cut, was Mr. John A. Jack, of Palmerston, Otago, who gave quite the best summary of the case as it stands at present.

Most of the competitors were quite clear-sighted in their recognition of the special problems of the situation, and all indicate eagerness as to the nature of the report to be made by the Coverage Commission. For the benefit of readers we publish a selection of other entries, as well as that of the winner.

"Vitaly Essential"

MR. ERIC W. WATSON, Christchurch secretary of the New Zealand DX Club, writes: I would say decidedly "Yes." The advantages are numerous. Take the case of the listener with a two or three-valve local receiver, which are quite popular among those who prefer "music" to "noise." What a boon are the "B" stations' programmes! One can, if the mood decides, have music from breakfast-time to 11 p.m. merely by changing from one to another. The "free" service supplements the restricted "YA" service and fills in many a "silent" hour.

Then there are other aspects. The "B" station, due to the absence of "red tape" in programme organisation, can broadcast talks, music, appeals for aid, and other like subjects, not to mention rebroadcasts of foreign radio stations at short notice, and items of local interest, not possibly for the "YA's."

The question of coverage is a very serious problem. Under the present conditions "B" stations are vitally essential to many outlying districts where reception of "YA's" is impossible or faulty.

There is perhaps the insignificant feature of "variety" in the "B" programmes. Such small features as electric chiming clocks, experimental 16in. gramophone records, etc. Valuable experiments are being carried out by the station engineers, and schemes which may revolutionise radio design are possible at any day. Radio enthusiasts are more enthusiastic over "B" stations than the "YA's" for, in most casts, they are the peak of radio efficiency. With the co-operation of listeners, "B" stations are kept at such a standard of efficiency that, though they may be only of 100 watts power, they succeed in many instances in making the local "YA" look "silly." They have the equipment, of course; everything is modern, and so an efficient service is given free to the public at, in most cases, a loss.

It would be a great public loss should these

The Winning Letter

THE winning letter reads:—

The problem of the "B" stations is one that has exercised the minds of big and small alike in the radio industry for some time. While there is no doubt that these stations are filling a long-felt want, there is also no doubt that they could do so much more satisfactorily and efficiently if assisted or replaced by the "A" service. No one will deny that these "B" stations would give a much better service if run under one management, as they would then be effectively distributed; their numbers reduced, and their power increased. A service comprised solely of the broadcasting of records, while giving us good music, is not the sole delight we desire our receiver to bestow upon us. We want something more, something the "B" stations cannot give while they are clustered in the cities broadcasting a surfeit of jazz.

As an alternative service to the "A" stations, one in each city would give crystal set owners more value for their 30/-, but at present the four main centres are the only hospitable havens for the crystal set owner.

Sponsored programmes are not at all nauseating if the sponsor's wares are mentioned only at each end, and a certain number of stations operating on these lines could give an acceptable service if strategically located.

The four "A" stations do not give a sufficiently extensive service to warrant the elimination of the "B's." In three of the four main centres there is the gaping blank called "silent day," while in many country districts the only programme that can be relied upon is that of the local "B."

Thus, summing up, I think that a number of "B" stations situated where their services would be most appreciated, drawing a revenue from so many sponsored programmes a week and so much subsidy, giving periodic relays of the "A" stations and of events of national interest and of sufficient power to give a programme to those who desired it during the many hours when the three small "YA's" are silent, would satisfy the listeners of the Dominion.

stations cease operating, not to mention the loss to the station operator. How, then, are they to be subsidised, which they truly deserve, except perhaps in cases where a large number of "B's" are in the one town? Listeners await the "coverage report" with great interest and, if all else should fail, I would prefer the "B's" to resort to restricted advertising rather than go off the air. After all, we don't have to listen to them! Advertising on the scale of the Australian "B" stations is not suggested, but restricted advertising for our "B's" should be resorted to before we undergo such a public loss.

"The Silent Day"

MISS BARBARA A. KERR expresses herself thus:

Taking into consideration the prevailing conditions, a certain number of "B" class stations are necessary at present. Until the time comes when the population of New Zealand warrants the erection of "A" stations in all the large centres—and that day is far distant—"B" stations will be able to assist the larger ones in fulfilling the existing needs for wireless entertainment and educational talks.

It is true that the "A" stations alone should be able to fulfil our every radio need, but crystal-set owners around Auckland, Christchurch and Dunedin are not so well provided for as those who live near 2YA. To an invalid with a small set the "B" stations must be an inestimable boon. Without them the hours until 3 p.m. would be long indeed. And what of the "silent day"?

We would be sorry to hear that the most important "B" stations were closing down, for their varied programmes are fine. The short devotional service at the beginning of each new day is a help and comfort to many a sad and suffering listener. From a luxury, these services have now come to be regarded as an every-day necessity by many. Still, in some of the sponsored programmes it does seem as if some were sailing. (Continued on page 4)

Here is something REALLY NEW in Motor Cars! Produced by one of England's oldest, most progressive manufacturers to meet to-day's need for a car that strikes the ideal medium between "too big" and "too little." It's a six . . . A REAL SIX! It has a 13/30 h.p. motor with four main bearings, overhead valves and every advanced mechanical improvement and accessory that ensures fast, smooth, silent running and economical, trouble-free upkeep. You can make no comparison of value with this amazing new Rover "Pilot." In size, in style, in performance, and in its wealth of equipment—including Protoco Stafety Glass all round and Vacuum-Servo assisted brakes—it stands alone as the ideal medium-weight English six for New Zealand buyers. See it and drive it TO-DAY!

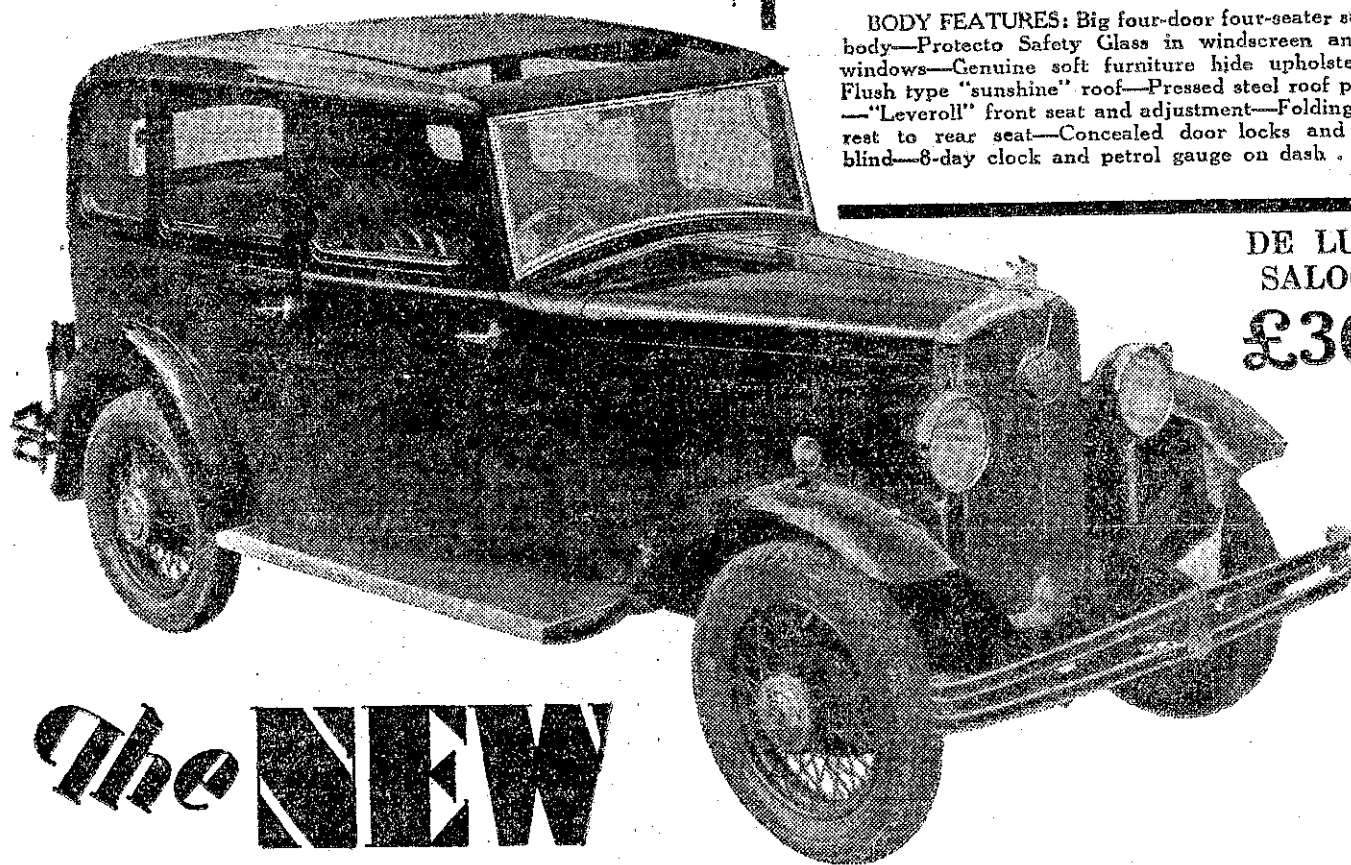
EVERYTHING ANY CAR—AT ANY PRICE—CAN GIVE YOU—NO "EXTRAS" TO BUY!

CHASSIS FEATURES: 104 in. wheelbase, 162in. overall length—Vacuum-Servo assisted brakes—Big Car type suspension, with zinc interleaved springs and two-way hydraulic shock absorbers—Tubular chassis cross-members—Wire wheels with large chromium plated hubs—Marles steering with spring spoke racing type steering wheel—Dip and switch headlights—Enclosed transmission torque tube, with extra mid-way bearing shaft—8 gallon rear petrol tank with positive fuel pump to carburettor—Bumpers front and rear—Folding luggage grid . . .

ENGINE FEATURES: 6-cylinder 13-30 h.p. overhead valve motor with four main bearings—Four gears forward, with double helical silent third—Double springs on valves to eliminate high speed "bounce"—Adjustable thermostat temperature control—Automatic petrol pump—Automatic and hand controlled ignition—Highly efficient oil filter and oil baffle in crankcase—Ample power and speed—60/65 m.p.h.—Exceptional top gear performance—25 to 30 miles per gallon . . .

BODY FEATURES: Big four-door four-seater saloon body—Protoco Safety Glass in windscreen and all windows—Genuine soft furniture hide upholstery—Flush type "sunshine" roof—Pressed steel roof panels—"Leveroll" front seat and adjustment—Folding arm rest to rear seat—Concealed door locks and rear blind—8-day clock and petrol gauge on dash . . .

**DE LUXE
SALOON
£365**



The NEW ROVER "PILOT" SIX CYLINDER

**The ROVER COMPANY of N.Z. Ltd.
WORKS: PETONE - - WELLINGTON**

ROTARY

What it Is and Does

By

Mr. Sydney W. Pascall

— President of the Rotary International —

Mr. Pascall is the first English President of the Rotary International and is at present travelling through New Zealand

ROTARY is a world-wide organisation of representative business and professional men, of 3500 clubs, 160,000 strong, in nearly 70 different countries. During my years of office I shall have travelled more than 60,000 miles and met thousands of my fellow-members in many countries.

In South Africa I found men both of British and Dutch descent forgetting old animosities and bearing confidence in one another in common service to their Motherland.

The Rotary clubs of India draw their membership from European and Indian stocks, from Hindu and Moham-medan communities, in friendly unity, giving of their best to serve India.

The four principal races in Malaya — Malays, Chinese, Indians and Europeans—find in the Rotary clubs a common ground for co-operation on equal footing, that is essential in a community that can never have a homogeneous population owing to the racial difference that prevents inter-marriage.

Everywhere Governors, Viceroy, Prime Ministers and high officers of government testify to the fine service rendered by the Rotary clubs.

What is the greatest service we Rotarians in such countries as New Zealand can render?

I think, at the present time, it is to draw the various classes of the community in united effort for the common weal. We must learn that employers and employed must work together and not against one another and, as an employer I realise that it is for us employers to take the first step. We must by our actions win the confidence of those we employ.

Further, I quote from a fine speech on service made by the Prince of Wales to the young people of England, and I think it appropriate since New Zealand is a young country:

"We have before us to-day a world sick with fearful doubt, weary with repeated disappointments, a world of troubled nations whose vital need is courageous faith in each other. It is an era of potential plenty, when confidence should be supreme, yet we see in almost every land widespread distress and perplexity. The War-time generation still doubts, is still seeing through a glass darkly, and here lies youth's opportunity. For you have it in your power to confront every obstacle with boldness and originality, with the faith which means to triumph and to encourage and to invigorate those whom may be older than you in years and experience."

"Service above Self"

We must learn that employers and employed must work together and not against one another.

We have been too deeply saturated with the doctrine of self-interest. Personal selfishness, class selfishness, national selfishness have brought us to the present pass.

No nation, no individual ever grew really great upon the ruins of others.

No nation, no individual can live to itself alone—we are not self-sufficient.

Depression and apathy are the devil's own; they are not English, so away with them!

We who are enlisted under the banner of service cannot be oblivious of the economic trouble everywhere around us. We must seek to understand the causes of our present discontents. Thereafter we must apply ourselves as citizens to supply the remedies.

We do not pretend to be able to cure ills that baffle the acutest minds of the age.

BUT I am very much mistaken if we do not come to the conclusion that most, if not all, of the distress arises from a deep-set spiritual cause. We have been too deeply saturated with the doctrine of self-interest. Personal selfishness, class selfishness, national selfishness have brought us to the present pass.

We must learn to co-operate, to serve one another if we would win out. No nation, no individual, ever grew really great upon the ruin of others. "Give and take" is a good principle, and it is significant that the giving is to precede the taking.

In these days more than ever no nation, no individual, can live to itself alone. We are not self-sufficient. The Rotary motto, "Service above self," is not merely a great ideal, it is a practical policy that alone will enable us to emerge from our present ills.

Again quoting the Prince of Wales: "First, for a fresh response to national service, for a greater spirit of unselfish and adventurous helpfulness in the midst of problems which our ablest men find difficult to unravel."

"The second point is that the opportunity for service lies at our door—in our own village, in our town."

"And my third and last point is this: That depression and apathy are the devil's own; they are not English, so away with them! Let us make ourselves fit for that service and dedicate ourselves to it."

May New Zealand renew its old prosperity and make its proper contribution to the strengthening of the Commonwealth of Free Nations united in the British Empire, and

thereby render a greater international service in making possible a greater brotherhood than the Empire among the nations of the wide world.



Mr. Sydney W. Pascall, first English president of Rotary International.

Editorial Notes

Wellington, Friday, May 20, 1932

THE question submitted by our contributor "Spark" to readers as to the necessity of "B" class stations provoked response from readers that possesses some points of interest. The winning letter, and those of the more outstanding contributors, are given in another column, and doubtless will be read with attention. One somewhat surprising feature in connection with this inquiry was the relatively small numerical response by listeners. We do not know whether this means that the readers of the "Radio Record" are so financially sound as to make a guinea prize insignificant in its appeal, or whether it will warrant the interpretation that there is not that volume of support for "B" class stations that has been thought.

THE view taken by the winner and the majority of contributors is that in the present circumstances, and until clarification of the New Zealand Broadcasting Board's policy on the report of the Coverage Commission, the "B" class stations are necessary from the point of view of listeners. The winner makes a fundamental point when he indicates that those "B" class stations which are essential to adequate coverage of the country should be co-ordinated with the "YA" service, and in effect become "A" stations. The policy of the "Radio Record" always has been that in the fundamental interests of listeners there was room in the Dominion only for one major co-ordinated and unified service, supported by the fees of listeners. While we have never agreed with the policy which has allowed so great a number of "B" class stations to grow up in this country, we do feel sympathy with those "B" stations in the situation in which they now find themselves, and which may be accentuated in the future. We foresaw that inevitably, as the "B" class stations

gave a service which was appreciated, and as their operators found the burden of maintaining them grow, appeals would be made to the central service for a share of the moneys provided by listeners. We foresaw equally that, if that central fund was to be divided among a growing number of units, then the general efficiency of the service would be impaired. It was from that angle, and not from any antagonism to the "B" stations in themselves, that we consistently issued warnings of the dangerous situation in which "B" class stations might eventually find themselves. Unquestionably listeners have derived benefit from the gratuitous service given them by the "B" class stations. In rural areas in particular they have rendered a service. In the cities they have provided a service of a luxury character in that it was alternative to the service given by the "YA" stations—i.e. in relation to the main afternoon and evening hours. In cases they have given morning sessions which are a distinct advantage to trading interests.

AS indicated, the response in support of "B" class stations did not reach the volume we expected, and we are wondering whether the final analysis of the questionnaire inaugurated by the Broadcasting Board will provide a parallel, and reveal that over the whole number of listeners the percentage habitually preferring "B" stations is small. In certain areas the support accorded popular "B" stations may be definitely big, and it is perhaps in those areas that the Board must first concentrate to effect either co-ordination with the existing "B's" or provide an adequate direct "A" station coverage. The outstanding radio event now is the report of the Coverage Commission, for upon its recommendations will the future of broadcasting definitely be built.

Are "B" Stations Necessary?

(Continued from page 1)

too near the wind. When the results of the Listeners' Questionnaire are considered and acted upon, the need for B stations will not be so great. While we think they are necessary at present, we do not consider that they should receive any of the license fees since there is still so much room for improvement in the A stations. It would not be a fair deal to pay the public's money to privately-owned companies, while the Government needs all it can get to improve the existing stations in the four largest centres. Although 2YA is by no means perfect, yet it has set a standard that the other YA's must soon attain. Greater power, all-day programmes, and a general improvement will remove the most urgent need for B class stations.

Small sets are rare in the outer rural areas, so it makes little difference to backblocks folk whether B stations are on the air or not, but for the sake of those with small sets in cities and towns where reception is subject to interference and distortion we say: "Yes, B class stations are necessary."

Would be Greatly Missed

MR. CECIL H. V. STEERE, Marton, makes a strong plea for the alternative services: The growth and development of radio in New Zealand has in many ways been assisted by the operations of B class stations. In my opinion they are necessary for the full enjoyment and appreciation of radio broadcasting. At present the YA stations are giving excellent service, and the Broadcasting Board is to be commended for a big improvement in the service. Despite divided opinions on the question, I have no hesitation in saying that the programmes put over the air to-day are better than ever they were before. But at the same time such a thing as variety is a factor to be considered. I do not think it possible for four main stations, operating in various parts of the Dominion, to give that variety so essential to the success of any undertaking. By reason of their numbers, B stations offer a wider range of selectivity than the average listener would have if the number of stations was restricted.

I enjoy my wireless more than any other means of obtaining pleasure. I would far rather spend a quiet evening at home with the wireless than go out and patronise a talking picture. We are all human. We have a variety of strange tastes, likes, and dislikes, and it is impossible for every item to appeal. When a programme does not give me any enjoyment, I merely turn the dial until I come to something that does. Thanks to B stations this is possible. Without them I feel as though I would be lost. I am indebted to a small station which renders a breakfast session each morning and supplies me with the correct time. On Sunday mornings, when our main YA station is off the air, another small station gives a delightful programme of recordings. The work of this latter station, 2ZO, Palmerston North, is greatly appreciated in this locality. And then, again, there are times when the main station is occupied in talks, children's sessions, or news reports. These last three are essential if all listeners are to be catered

"Sailormen of Devon"

ON May 21, three hundred and fifty-two years ago, there arrived at Plymouth, England, the most famous ship that ever sailed the Seven Seas. Her name was the "Golden Hinde," and the illustrious Francis Drake was her commander. Three years before, on November 15, 1577, she set sail from Plymouth on the greatest voyage that was ever attempted by Englishmen. Out to the Pacific Ocean she went, thence around the Cape of Good Hope, and then Home to England, and thus the "Golden Hinde" was the first English ship, manned by English seamen, to circumnavigate the world. The 21st of May stands out as the great day in English history, as the day when England entered into her sovereignty of the sea. The great Commonwealth of Nations, now known as the British Empire, had its birth with the arrival of Drake back in England, for it was he and his men of Devon, who broke the power of Spain, and caused great argosies of English ships to venture forth to all the oceans. On May 21, "Lee Fore Brace" (1YA) will commemorate the great occasion with his story, "Sailormen of Devon."

Broadcasting Control

OF the seventy countries of the world which now have broadcasting facilities, twenty-nine allow broadcasting to be conducted by private enterprise, as in the United States, twenty make broadcasting a State monopoly, and two have combined private and public systems. This is revealed in some recent statistics, which show there are now 1423 broadcasting stations in the world. The compilation does not reveal the character of the other twenty countries' radio systems, because each country has only one station. For the most part the stations of the smaller countries are State owned and operated.

for; but at the same time those who prefer something else must listen to them or switch off their sets—unless there is a B station to supply that indispensable variety and change of programme.

New Zealand listeners should congratulate themselves on the high standard of efficiency maintained by B class stations. One has only to tune into some of the smaller Australian stations to find this out. If not sickened by extremely dull advertisements, one will be appalled by the poor quality of their announcers. Our own country is free from anything like that, and in view of the facts, our B stations are worthy of the highest praise.

Let the board in its wisdom decree what it considers best for the future of New Zealand B's, and if not possible to finance some of the deserving cases, in view of economic conditions, I sincerely hope our small stations will be allowed to carry on, even if certain restrictions are considered necessary.

Use Our Booking Offices in Advance

S-O-S

TRAVEL IN COMFORT BY CAR

WELLINGTON - PALMERSTON
NEW PLYMOUTH

RADIO GOODS What to Buy and Where

BURGESS RADIO BATTERIES, All Radio Dealers.

LOFTIN-WHITE AMPLIFIERS Stewart Hardware Ltd.,
Courtenay Place, Wellington.

MULLARD VALVES All Radio Dealers.

The "Radio Times"

WE have been more than gratified with the reception which the "Radio Times" has been given. We hoped it would be popular, but, judging by the correspondence we have received, we are led to believe that it will shortly be an essential. Supplies of the first issue were completely sold out—this is not altogether to be wondered at, because curiosity prompts a great number of people to buy the first issue of a new magazine, but what is more gratifying, is the fact that the second issue, of which we printed even more than the first, is now almost sold out, and literally scores of appreciative letters have reached our office concerning it.

Almost without exception the letters contain the highest praise for the new magazine, and the consensus of opinion is that it is filling a long-felt need. Here are a few short comments from some of the letters:—

"'Radio Times' No. 2 excellent. I read it from cover to cover, and appreciated every page. Fancy any dixer having the pluck to suggest that 9d. is too much for it."

"I bought the May issue of the 'Times' to-day, and have just finished reading it. You are to be congratulated on turning out such a fine paper."

"We thought the April issue was good, but the May issue is in a class quite on its own. If you keep up this standard you will have a wonderful paper."

"The 'Radio Times' is certainly a winner. The articles are good, the photos excellently produced, the technical section beyond all praise. The 'Radio Log' is quite out on its own. The 'District Notes' have grown beyond all expectations."

"I bought a May copy, and judging by that it is a perfect magazine. Just the one for the b.c. and s.w. enthusiast."

"This month's 'Times' is 100 per cent. better and great interest in being taken in it in this district."

But these are only a few excerpts chosen at random from the mail that is before us. Scores more letters with appreciative comments have come in, but they are not kept, these representing only a couple of days' mail.

The "Radio Times" is 9d. per copy, and the yearly subscription 10/-. It is published monthly, on approximately the first day of each month.

Send 2d. in stamps for
Free Price List.

**Electric Lamp House,
Ltd.,
27 Manners St., Wellington.**

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

Service in Poverty Bay
InadequateRelay Stations Preferred to more
powerful "A's"

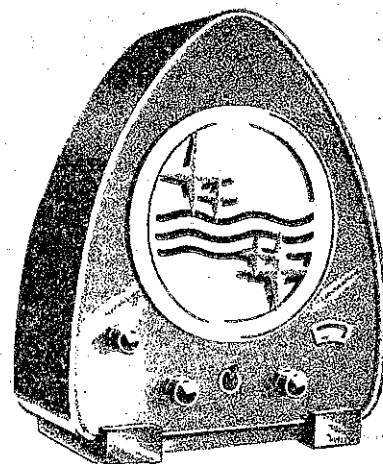
A correspondent from Wairoa submits, after having contacted the majority of listeners in his district, that the Broadcasting Board should aim to give all listeners one programme free from interference; that the "B" stations should be more strategically situated and should relay "A" programmes; that power interference and heterodyning problems should receive attention, and that the power of purely local stations should be reduced. He reports:—

Notes on Radio Reception in Wairoa, Hawke's Bay

- 1YA.—Day fair. Night fair, but at times badly heterodyned by 4RK, Rockhampton.
- 2YA.—Day very good. Night good, but fading and distortion fairly constantly. Can be received day and night all the year round.
- 3YA.—Day fair in winter. Night steady, but with a high noise level. No good in summer.
- 4YA.—Day, no reception practically. Night good and steady, subject to static not being too heavy.
- 2YB.—Day, no reception practically. Night weak, fades, distorts and het.
- Auckland "B's," 1ZR and 1ZM.—Sometimes fair, mostly unreliable with fading and distortion; no practical reception from the others.
- 1ZJ and 1ZM.—Steady days; night but with high noise level. Not practical for general reception.
- 2ZP.—Local. Good reception day and night.
- 2ZH.—Best outside station received here. Perfect day and night reception, but has sometimes been hetd. lately in spite of several changes of frequency.
- 2ZL.—Nearly as good reception as 2ZH, but not so powerful; well operated or run. Hetd. and occasional fading and high noise level.
- 2ZL.—Generally unsatisfactory.
- 2ZO and F.—Day and night is steady, but very weak.
- 2ZW.—Splendid station, but frequently gives quick fading, and is very badly hetd. both sides.
- 3ZC.—Good, but weak and hetd.
- 3ZR.—Weak, but free from hetd.
- 4ZL.—Very good, with occasional fades.
- 4ZP and other 4's.—No practical use.

Submission of Wairoa Listeners

1. Consider the Board's aim should be to provide all listeners with one station which will give day and night reception free from static, distortion and fading, provided a reasonably powerful receiver is used.
2. Submit strongly that country listeners should be put in position as above, before any "B" stations in the cities are subsidised.
3. We favour relay lines to near "B" station with rebroadcast rather than an increase of power of "A" stations.
4. Ask that attention be given to locating and correcting local power leaks and that suitable detecting apparatus be provided.
5. Ask that a reciprocal agreement be arrived at with the Australia (and if possible the Japanese) authorities as to the issue and "policing" of wavelengths.
6. We suggest that a solution of the heterodyne question, especially for New Zealand stations which clash and possibly also for the Australians, might be to decrease the power of those stations which are intended for purely local service. Also suggest that much might be done by an extension of the principle of several stations using the same frequency at different times.
7. We request that either 2ZP or 2ZH be connected with the "A" stations by land lines, and that an "A" station programme be rebroadcast nightly from 6 o'clock; and we say:—
 - (a) That 2ZP would be the more suitable if it can serve Poverty Bay as well as Hawke's Bay.
 - (b) Otherwise, that 2ZH is the more suitable to serve the whole of Hawke's Bay, but whatever station be chosen, it is imperative that it be allotted a wavelength which is free from a heterodyne.

Here it is!
**PHILIPS
BRITISH
Radioplayer**

THE NEW 930A

THIS is the Set New Zealand has been waiting for! A Set created with two ideals in view. A low price and a quality performance. Both have been achieved. The price is the lowest at which quality radio can be produced, and the performance is such that even experts are amazed at its remarkable fidelity. There is only one way to discover for yourself just what an advance the new 930A is on other Sets—and that is to hear it! Arrange for a demonstration to-day and remember—IT IS BRITISH MADE.

AT THE LOW PRICE OF

£15

See the name PHILIPS on Every Radio Set.

PHILIPS
radioplayers

ASK TO HEAR THE NEW **930A**

Advertisement of Philips Lamps
(New Zealand) Limited, P.O.
Box 1678, Wellington.

REDUCED! SHIELDED CONDENSERS

FORMO 2-GANG, complete with Vernier Drum Dial and Trimmers.
WERE £3 Each. NOW 45/- Postage 1/- Extra.

LOTUS— 2-Gang 3-Gang 4-Gang
£1/5/- £1/17/6 £2/10/-

Have you sent for our Catalogue yet?

IF NOT, SEND TO-DAY. YOU WILL SAVE MONEY.

F. J. W. FEAR & Co.

63 WILLIS STREET, WELLINGTON.

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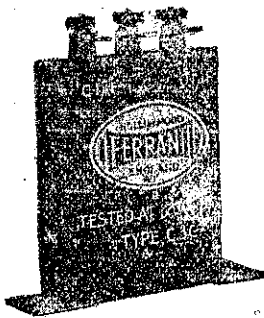
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Our Mail Bag

Improvements in Programmes.

MAY I add a word of praise to the Radio Board for the many improvements they have made in the programmes. I am at present listening to the revue "Wagga-Woof," which I think is one of the best items I have heard broadcast for the past twelve months. If the Board carries on as it has done in the past, I am sure it will continue to hold all the old licensees and maintain the big increase in listeners' licenses which has taken place within the past twelve months.—J.W.C. (Hastings).

IN these times of continual destructive criticism, I would like to voice my appreciation of a recent 2YA variety programme, "Cabaret Musicale," by Edwin Dennis and his party. It was one of the most entertaining programmes I've listened to. The humour was clever and clean, and the variety of musical melodies excellent. The opening chorus and "Mary Jane" are quite new to me. Would you please inform me of the composer and publisher of the latter? The introduction of the carillon bells in the middle of the above programme was rather ludicrous, but doubtless a slip of this kind could easily be eradicated in the future.—"Vandeville" (Carterton).

[The numbers you mention were both composed by Edwin Dennis and have not yet been published.—Ed.]

Grand Organ Music.

AS a listener since broadcasting first began in New Zealand I would like to endorse the remarks of A.A.H. (Otagiri) in a recent issue of the "Record" re more grand organ music. One remembers with pleasure the recitals given from 1YA by Mr. A. E. Wilson, and surely there are instruments in the Capital City suitable for broadcasting, and also organists capable of giving us occasional varied programmes. At present if one desires organ music, it is necessary to tune into the Sydney stations, where almost weekly recitals are given, the most enjoyable being by G. Vern Barnett and occasionally by Lillian Frost. The organ brackets are interspersed by vocal and instrumental items from the studio, the whole programmes being a treat to listen to. No one wishes to hold up the Australian stations as perfect, but in this one field the New Zealand stations are sadly behind. There are multitudes of tuneful organ compositions and transcriptions besides those of the master which could do with an airing per medium of the grand organ, so wake up 2YA and give the "king of instruments" a fair deal.—N.I.L. (Palmerston North).

What is Wanted.

I HAVE contacted a number of listeners in this district, and without exception their opinion is that at least two powerful new stations should be built, one in each island. By powerful, I mean stations of at least 10,000 watts, for one has only to look at the powers of stations in other countries to realise how weak the present stations are. Ninety per cent. of listeners listen to nothing else but the local station, and if this could be received per-

fectly there would be very few complaints. In our opinion the worst thing that could be done would be to build numerous small relay stations because of the restricted range. There are now far too many "B" stations, and the nett result is bad heterodyning, whistles and squeals, and general interference. Although this is a good district for dx, the New Zealand stations are very unreliable, 2YA being freer from static, etc., though fading and distortion is very bad generally. 2ZW is the best "B" station, from which speech is much clearer than from 2YA. Music has more echo, but the station is usually spoiled by other stations heterodyning. I believe different wavelengths should be tried, and it is possible that big improvements might be made in this direction. Districts who want relay stations would probably be better served if these powerful stations were built. Generally the programmes are an improvement, but they are spoiled by inefficient broadcasting stations.—J. H. McL. (Le Bons Bay).

The Heterodyning Trouble.

SOMETHING should be done pretty quickly about this heterodyning trouble. During the past few months the Americans, particularly KFI, have been very strong, and it is a pleasure now to get something out of the terrible jumble of "B's," Americans and Australians that are on the air. Usually 4YA's announcer talks through music from a Los Angeles hotel, which is all very nice up to a point, but when the two start to whistle I close down.

Then there is the case of WGN and 2YA. I know there are a good number of people who consider there is no interference, but I would like to get them over here during the period between dark and 7.30 and they would soon change their mind. There is a whistle all the time, and listening is difficult, if not impossible. On Sunday particularly this station is a nuisance. I have frequently had to listen with all ears to a sermon which is being throttled by jazz. You know there is a limit to this American gong clashing and we do get tired of it sometimes. After all, it doesn't go too well with a sermon.

The Coverage Commission may be interested to know the state of affairs in this district. 1YA is about as reliable as the Americans, which isn't saying much. 2YA is perfect in the daytime, but is often not fit to listen to in the evening. Sometimes for days on end we cannot listen in to this station. When we get 3YA station anything like well it is usually worth listening to. 4YA is about the same as 3YA, but then there is KFI to upset things. We cannot listen to 2YA very often, and have to listen to these two weaker stations. 2ZW is pretty bad after dark, but very sweet in the daylight.

I am very glad the board has cut out the "International" (why not call them American and be done with it?) programmes. I think that, on the whole, programmes have shown an improvement.—DX22NW (Tasman).

STATIC

by
"SPARK"

SOME of the letters received in connection with my query: "Are B Stations Necessary?" shows that few have considered broadcasting as a great public service that should be viewed from a national outlook only. Expressions are given that B stations cost the listener nothing, that B stations are the only ones favourably received in some districts and that an alternative programme for crystal-set owners (in the towns only, mark you) is a boon. It must be remembered that in Britain, whose service is the example for the world, there are no B stations, and nothing has been done for broadcasting nationally in New Zealand, until the institution of the Coverage Commission, since the foundation of the Broadcasting Company. I was pleased to see that a number almost agreed with my opinions and would believe that did these particular contributors give the question deeper thought, they would reach complete agreement with me.

THE restraint exercised by 2YA in refraining from mentioning until a late hour, the rioting that disgraced Wellington, would arouse the admiration of all who recognise that the broadcasting authorities have great responsibilities. Early intimation of the trouble would be an invitation to the larrikin and inquisitive element alike, to proceed to town. It is questionable which of the two are the worst when the police are busy effectively guarding the city against a recurrence of mob-gathering. Further, the law resulting from the Auckland riots in cablegrams being censored, should without doubt be applicable to broadcasting. When 1YA informed listeners of the disorders in Auckland the preface that the station had been requested by the Mayor to broadcast particulars absolved the station from any undue haste, although I can imagine that the request was considered and cogitated upon before listeners were informed. Even mayors may be too precipitate!

I DON'T think 2ZW was wise in broadcasting information in connection with the riots, at 7 o'clock on Tuesday, even if the authorities had made a request for this to be done. The function of a broadcast station is to keep people at home and in blissful ignorance if necessary. If the riot were viewed from the angle of being a stunt the announcer might have gone on the air earlier and described the scenes that took place beneath his window. None but the

hooligans and the space-occupiers would desire this!

THE lecturer on health from 2YA who extolled the benefits of an open-air life and commended tramp-ing clubs, might have selected a better day for his advocacy than Thursday, May 12. That night I asked the milkman about it when I found him floundering about in a near pea-souper looking for the bottle box. He said the lecturer could have it on his own—he would rather be canned up like a sardine.

"The Fly's Courtship," "The Ant's Antics," "The Flight of the Bumble Bee," "The Butterfly Study," "The Grasshopper's Dance" and "The Wedding of the Garden Insects." There are other "insect" pieces, of course, such as "The Spider and the Fly," and that thing about wasps, therefore they have their claim to fame and provide composers with an occasional theme.

FLEAS should be musical, as they attend every concert, but they are not always starred in the pro-

ported that complete coverage of the Dominion necessitated the erection of seven 50 k.w. stations and it would appear that this advice is to be acted upon.

BROADCASTING in Canada to-day is largely commercialised, and as a sop to prevailing interests, it is proposed that in the new scheme to be adopted five per cent. of the programme space shall be allotted to approved advertising, although the commission reported that with certain modifications necessary to domestic needs, the establishment in Britain was the ideal to aim for.

AN enterprising dealer in Wellington had his dust-bin lid thrown through his plate-glass window during the riots. This lodged on a receiving set, and here it remained the following day, with a notice to the effect that the perpetrator could have the set "buckshee" if he would call and claim it.

ON making inquiries as to the kind of papers returned in the last examination of radio servicemen, I gather that the institution of the regulations may be said to have been proved absolutely necessary. Some candidates went to great lengths to show their inefficiency. Apparently many did not adequately read the questions, and certainly could not have thoroughly grasped the meanings set forth in the papers which every candidate received before the examination. There could have been nothing ambiguous about any of the questions. They were submitted to a totally unpractical person for perusal, in order to eliminate any phrasing that might suggest opacity. Complete ignorance of first principles can be read in numerous answers and although a number of candidates returned papers worthy of the trouble that the examiner had undertaken, there appears to be an almost total disregard for the significance governing the formulation of the regulations.

I BELIEVE the radio section was very poorly handled, many candi-

Weekly Prize of 5/- for a Good Par.

I would like the assistance of readers in conducting this page. Each week a five-shilling note will be awarded the contributor of the best paragraph connected with radio in any way, but preferably with a humorous bias. Contributions must not be long. Brevity is necessary. Pars must reach me not later than Saturday morning, addressed "Spark," c/o "Radio Record," P.O. Box 1032, Wellington.

"ALiquot STRING" commiserating me upon not being present at Mr. de Mauny's concert writes as follows: "The burden of the song 'Never Swat a Fly' does not always signify. The most enthusiastic classical music-lovers and lowbrows alike, amongst wireless lecturers (through the non-existence of television) missed an amusing but entirely unrehearsed piece of 'business' during the concert. The Russian pianist, M. Vinogradoff, was hard at it in the throes of the lovely Rachmaninoff concerto when a fly with the audacity of the insect tribe, set about making itself a nuisance to the soloist. As all respectable flies were parked on their domestic walls and ceilings, this one that took advantage of the performer's busy hands, could not be accounted a decent member of fly society. Perhaps though, he might have been bent on fitting in his obbligate and thus making a name for himself as a minstrel of the tribe. M. Vinogradoff dexterously kept the pest at bay and kept pace with Mr. de Mauny's orchestra, and insects were forgotten until we heard 'The Song of the Flea' from the portly Italian basso, Cesaroni."

FLEES and fleas bring to mind the musical literature of insects made familiar through broadcasting. Everyone has heard "The Bee's Wedding,"

gramme as in Moussorgsky's satirical ballad.

THE chess match played between listeners and 2ZW during their evening concert was a pleasurable innovation. It is to be hoped that a return match results, with the difficulties obviated, and that the station meets still more formidable opponents with better luck. I thoroughly enjoyed it, and did not switch off until the household was to be inflicted with a gathering of the clans with the pibroch's alleged music.

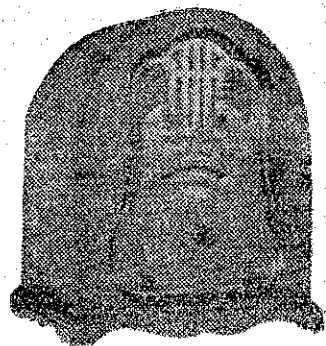
THE talented singer Keith Grant, who has often delighted listeners to YA stations with his rich voice and sympathetic interpretation, is singing as well as ever, and I was constrained to murmur "Bravo" after hearing him from 2BL on Thursday night.

THE problem of unified control of radio in Canada has exercised the thoughts of the Dominion Government for a considerable time, and now that its powers have been confirmed by a privy council judgment a nation-wide constructional programme is to be undertaken. This has previously been prevented by provincial rivalry which existed to the disadvantage of a national outlook. An early commission had re-

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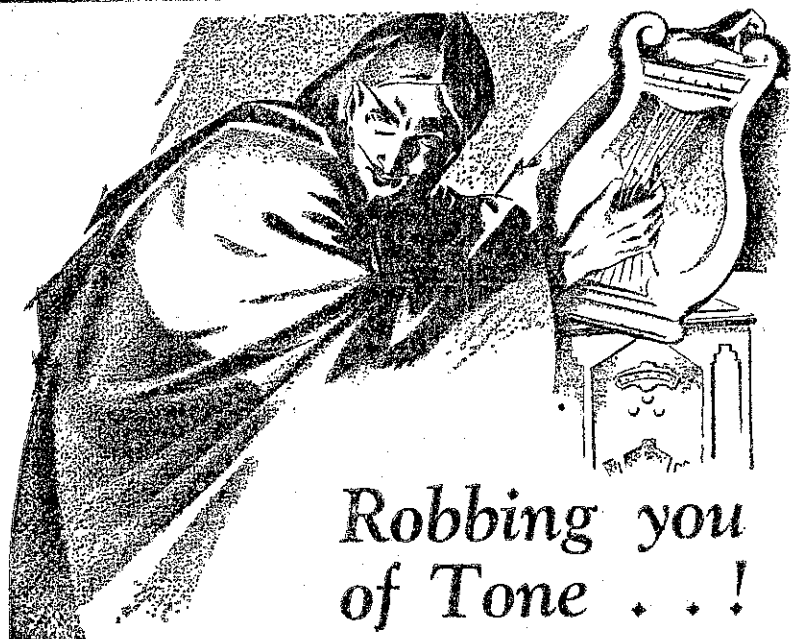
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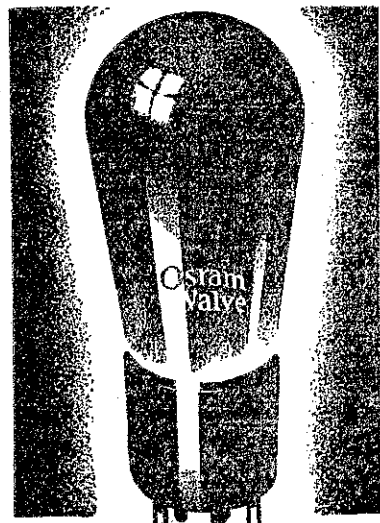
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dates exhibiting a total disregard of radio principles. Some candidates wrote long screeds just to show how little they knew about the science; possibly in an endeavour to cover up their ignorance. A rigid standard must be set in examinations of this nature if radio servicing is to get the consideration it should. About 250 sat; I shall be interested to see the pass list.

BIRD lovers living beyond the Auckland province would have easily recognised a point raised by Mr. R. A. Falla in his talk from 1YA on "The Ways of Wild Birds." Mention was made that the Grey Warbler and Tui songs differed slightly in different districts. Mr. Falla's imitations of the calls of these two could not be mistaken, although Wellingtonians could fairly claim that the slight variation of the denizens of their bush are the more pleasing. Auckland has no need to be jealous of Wellington because of this, as their own birds' calls are quite beautiful and probably much sweeter than that of the birds of the Arctic South. I hope conditions are kind when Mr. Falla returns to the microphone, as his material has a very wide appeal, and the more intimate our knowledge is of our feathered friends, the more will they be cared for.

WELLINGTON'S fresh breezes recently blew 2ZW's aerial down. That's nothing! I had just erected a wire-netting fence and the same zephyr blew the holes clean out of it!

A LISTENER complains in a Wellington newspaper of 2YA's relay of the Sunday night band concerts. On the particular night that the complaint was evoked, I listened to 2ZW, which gave us Tchaikovsky's Sixth Symphony. I was perfectly satisfied.

SEVERAL persons who had had in their possession unlicensed radio receivers were arraigned before the Wellington magistrate on Friday and fined. If this is the start of a drive to gather into the fold those who cannot, like the Village Blacksmith, look the whole world in the face, then every licensee will be glad. In Rumania, when caught, these people are treated to a dose of broadcast publicity during the court session, and it is given with full name and address of the defaulter. I wonder how many it would bring along if this were started in New Zealand.

WHEN our learned Permanent Secretary of the Department of Scientific and Industrial Research, Dr. E. Marsden, was unable to appear for his scheduled talk on "Primary Industries," 2ZW did the next best thing, and we had quite a long recorded version of a disquisition on the "Elements of Physics," by Sir Oliver Lodge. This was worth hearing, and I hope it will be repeated. It was quite pleasing to hear so eminent a man, human enough to stumble in his delivery.

RECENT newspaper files from the U.S.A. reveal a thrilling story of the arrival of the newest type of

"mike," which marks a big advance in radio studio possibilities. It is called the electro-dynamic microphone, and whilst it is as sensitive as the condenser type, it is smaller and more convenient to mount in any desired location, at any distance from the orchestra! The singer who formerly stood squarely in front of the microphone may now stand seven feet away and, in the welcome words of A.D.H. in the "Christian Science Monitor," crooners will now have to learn to sing or quit! An orchestra whose nearest instrument will be thirty feet away will probably be heard under better conditions than heretofore, and the announcer may

New Zealand Stations.

Supplementary List

WE would remind early purchasers of this year's "Radio Guide," that a supplementary slip, embodying extra New Zealand radio stations to be added to those on Page 132 of the "Guide," is now available free on application to us.

With this list, the 1932 Guide will then give a complete tally of New Zealand stations.

The May issue of the "N.Z. Radio Times," available from booksellers, also embodies a complete schedule of New Zealand stations. All copies of the "Guide" now issued by us are equipped with this extra list.

in future deliver his message four feet away in the manner of a platform lecturer.

WITH the new electro-dynamic microphone the occupation of that czar of radio, the controller of sound volume, bids fair to become like that of the old broadcaster, the Town Crier, non est. Tone values should improve beyond those recognised to-day in the receiver and the performer who could never sing naturally but had to rest his nose on the "mike" will have to take lessons in the art of singing. A big thrill awaits the listeners, and a new vista of usefulness opens out for wide-awake conductors and musicians generally. For relay work the new "mike" should resemble a heaven-sent boon and practically everything short of actual sight of the performances will come through to the listener. Verily the curtain ascends upon a further act in the tense drama of radio, which year by year enriches the life of the average listener more than he suspects. No listener who heard the relay of the Symphony Orchestra, which was extremely well done by 2YA, would regard the reception per the receiver worse than an indication to the character of the performance in the hall. Receivers to-day are capable of faithful reproduction, and it remains for something now to be done at the origin. If all that is claimed for the new "mike" is true and if it can be applied to recording we are on the threshold of a new era in musical reproduction.

RADIO is entering every field. Mustapha Kemal has established broadcasting from ancient St. Sophia in Constantinople and the Koran in

Turkish is to be heard from this originally Christian church. St. Sophia has withstood a thousand severe earthquake shocks since its erection in Byzantium days, but Turkish conservatism has never experienced so great a shock as the installation of the microphone in the gigantic edifice. I always esteemed "Jacko" as one of the world's finest types, but my regard was severely strained when he ejected the scavenger dog from his streets. I was in Constantinople at the time, and it was pitiful to hear the poor brutes, marooned upon a desolate islet in the Sea of Marmora, killing each other off for food. Radio takes one beyond the confines of one country and the "unspeakable" should improve in tolerance and humanity through listening.

WE all want variety, and 2YA has supplied it recently in the evening programmes. Symphony orchestra concert, carillon relays, band concert relay and "Fragments from France," all within a week. The latter was a jolly good show, given by a jolly good crowd, who do not wait until they broadcast, to spread cheer, but are doing their good deeds all day and every day. There was just a touch of unreality in the concert behind the lines though, which gave it the flavour of home-brew. There was almost a total absence of chatter between turns. Neither the boys nor the girls were all "goody-goodies."

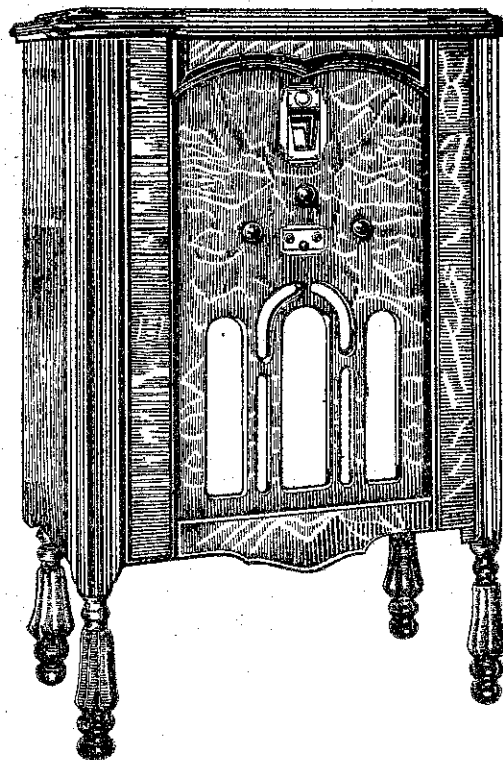
THE opinion that privately-owned broadcasting stations should be under stricter control was expressed by Mr. W. R. McKean, S.M., Auckland, in the Police Court lately. A man and a woman were charged with theft, and Detective-Sergeant T. Kelly stated that the two accused had been associating for some while. Recently the man caused a message to be broadcast from a suburban "B" station arranging for an appointment with the woman. "If wireless stations do that sort of thing it shows the need for some new regulation," commented Mr. McKean.

ABSCONDING debtors will welcome the magistrate's remarks. Just fancy, in these hard days, a message being broadcast, which, on its face value appeared to be an innocuous inquiry for a lost friend, leading to a creditor locating his quarry. The A stations are most particular about their "agony sessions," but some of the "B's" with no defined policy cherish a belief that they are supplying a service that the more sedate stations feel too big to touch.

Correct Solution Hidden Titles No. 2 was as follows:—2 Devil with Women, 3 India-rubber Men, 4 Skyscrapers, 5 Jolly Captain, 6 Gun Smoke, 7 Rod and Line, 8 Airship, 9 Assorted Nuts, 10 Birds of a Feather, 11 Guardsman, 12 Spider, 31 Entrants found all the titles and divided £26. J. W. Thomson, 391 Canal Reserve, Christchurch, won £2/10/- bonus for most entries (72); J. E. A. Sanderson, Outram, won £1/10/- bonus. Ina Horne, 127 Gala St., Invercargill, won children's bonus of 10/-. We apologise for not publishing results earlier, but a series of unforeseen circumstances prevented their publication. Prizes were all posted April 23. (Advt.)

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"Gernsback's "Short-Wave Craft" (a monthly), 2/-.

"Radio Telegraphy & Telephony," by Duncan and Drew, 57/6. (Just out—every phase of radio science dealt with.)

Blue Prints for 4 Valves A.C. Super-Wasp S.G. and broadcast receiver; Pilot S.W. 4 valves; power amplifier audio stages and P.-P. 4 valves; 6 valves S.G. receiver; Pilot Universal Super-Wasp 5 valves A.C.; Pilot S.G. pre-selector 5 valves.

"Radio Servicing Course," by Ghirardi & Freed, 11/6. (Just out. No serviceman should miss this.)

Modern Valves.
1/6. "Batteries & Accumulators."
1/6. "How to Understand Diagrams," 1/6.

By Ralph
Stranger.

"Service" (monthly digest of Radio maintenance, by Rider), 1/6.

"Radio-Craft" (Gernsback), 2/- (A monthly).

"Radio Engineering," 2/-.

"Radio Guide and Call Book, 1932," 2/10.

"Break-In" (N.Z.A.R.T.), 7d.

"Modern Radio" (Krusse), 1/9. (A fine monthly.)

"Atoms and Electrons," (Sullivan), 2/8.

"First Principles of Television" (Dinsdale), 16/6.

"Radio Engineering Principles," (Lauer and Brown), 19/6.

"Wireless Made Easy" (Stubbs), 1/-.

"How to Become a Radio Amateur" (A.R.R.I.), 2/-.

"Radio Operating Qstns. and Ans.," by Nilson and Hornung, 19/6.

"Radio Frequency Electrical Measurements," by Brown, 35/-.

"Radio Handbook," by Moyer and Wostrul, 37/6 (An unfailing coach for exams.).

"Armature Winding and Motor Repair," by Braymer, 24/-.

"Radio Receiving Tubes," by Moyer and Wostrul, 21/-.

"Radio Construction and Repairing," by Moyer and Wostrul, 21/-.

"World Time Indicator and Radio Station Log," (clock dial—over 600 stations), 1/2.

"Television News," Gernsback, April issue, 2/-.

Loomis's "Radio Theory and Operating" (U.S.A.), 32/6. A good book for any amateur or operator.

Henney's Principles of Radio, 26/6.

Morecroft's new book "Experimental Radio Engineering" (51 experiments), 25/-.

"Practical Testing Systems," by Rider, 8/-.

Leutz & Gable's "Short Waves," 19/- (A wonderful book on subject).

"Radio Amateur Handbook" (Handy's 9th edition), 6/6.

"Radio News," Oct., Nov., Feb., March, April, May, 2/- each.

"Q.S.T.," Sept., Oct., Nov., Dec., Jan., Feb., March, April issues, 2/- each.

Scott's Broadcast Time Chart (including log and complete list of world's long and S.W. stations), 7d.

"Wireless: The Modern Magic Carpet," by Ralph Stranger, 5/- (New stocks just arrived—The "Radio Record" and Mr. Dawson, Phillips Lamps, say no set owner should miss this.)

"Radio Call Book and Technical Review," (formerly Citizens' Call Book Quarterly), 2/-.

Mack's List of World Short-wave Stations 7d. (Don't miss this.)

"Mathematics for Practical Man," 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. 63 per cent. on all American publications, and don't blame us.)

OUR LOCAL AGENTS: (Inspect local stocks).

Auckland: F. R. Jeffreys, 466 Queen St.

Blenheim: Tomlinson & Gifford.

Christchurch: A. T. Williams, Bookseller, 85 Cashel St. W.

Gisborne: C. W. Muir, Bookseller.

Hamilton: Paul's Book Arcade.

Hastings: Hall's Bookshop.

Napier: Starkey's Bookshop.

Nelson: Keith Walker, Baird's Buildings.

New Plymouth: Eyle's Bookshop.

Palmerston North: Radio Supplies & Service Co. (E. B. Borham), 245 Main St.

Stratford: Gardner's Book Shop.

Timaru: J. H. Healey, Bookseller.

Wanganui: Poynter's Bookshop.

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Questions and Answers

L. H. (Fairburn): I have been unsuccessful in attempting to re-neutralise my old neutrodyne. I covered one of the filament terminals of the detector valve, but could hear nothing on 1080 k.c.

A.: It appears that you are attempting to re-neutralise the set with the detector out of action. You do not disconnect the filament supply of the detector, but start with the radio valve nearest the detector. If you cannot get a strong signal on about 1000 k.c., take one on a little lower frequency than this.

K. A.F. (Oamaru): The gramophone part of my set is far too heavy on the bass, while the radio side is well balanced. How can we cut out this bass?

A.: Use a condenser in series with one of the leads to the set. The value of the condenser should be about .01 mfd. However, the pick-up you are using has rather a preponderance of bass, but the condenser should prevent much of this going through your set. If this condenser does not stop sufficient bass, use a smaller value, say, .005.

C. F.C. (Waipahi): What is the correct method of neutralising my four-valve battery set?

A.: Wrap a piece of silk around one of the filament prongs of the r.f. valve nearest the detector, and tune in a station about the middle of the dial. Adjust the neutralising condenser until the signals almost or totally disappear. This stage is then neutralised; repeat the procedure for the first stage.

A. DAPTOR (Auckland): Would a s.w. adaptor such as I have sketched work with a 6-valve commercial set and bring in s.w. stations on the speaker?

A.: The circuit is an orthodox one. Whether it will bring in s.w. stations on the loudspeaker is difficult to say. It should.

2. What is a grid return?

A.: The grid return is the connection between the grid of the valve and the filament. In your case it goes to a 400 ohms potentiometer.

3. What is meant by "one stage must resonate with another stage"?

A.: They must both be tuned to the same wavelength.

PUZZLED (Hamner Springs): I have built a set from a 5-valve commercial set, and designed it to work from a d.c. eliminator. Before altering the set I had good reception and now I can get only half volume. When a potentiometer is a quarter on the signals are weak and then on the set will only howl and squeal. Above three-quarters it is silent.

A.: With such a circuit you should use a soft detector. Try taking the grid return to the other side of the filament. Take the grid return of the first valve to "A—" and try placing the potentiometer across the filament of the detector valve, and bringing in the grid return to the moving arm. See some of the circuits which were published in a special series of articles which ran in the "R.R." some time back. You may find it an improvement to employ a centre tap input push-pull transformer.

4600 (Hindon): Particulars of the coils appear to be about right for the Cossor set; we cannot say definitely as the condenser value is not given. They would be worth trying.

NEVA (Wellington): When I turn on the s.g. stage of my Radiogram Five I get no extra volume.

A.: It sounds as though you have the connections to the s.g. valve incorrect.

If you are using the American type the grid is on the top. Otherwise it is the plate and the plate terminal becomes the screening grid terminal. Are you certain there is no break in the connection between the screening grid and the battery?

G. C. (Awanui): I constructed the Daniells Cells battery, using commercial zinc and sulphuric acid, but the zincs burned black and the cell would not function.

A.: Your sulphuric acid solution is far too strong. Cut it down by half, and then try.

2. My four-valve set uses up any kind of battery in four months, irrespective of the valves used.

A.: You probably use your set a good deal. With a four-valve set you should get at least six months from a set of batteries if they are used on an average three or four hours a day.

48NW (Westport): How can I erect a cheap and efficient inside aerial?

A.: Sling a couple of wires spaced from 4-6 feet in the attic and bring down a single lead-in to your set.

DISSATISFIED (—): Why have three 224 valves blown out in six months in my commercial radio?

A.: In all probability the filament winding is of too high a voltage. Have it tested.

J. W.A. (Waikanae): How do you work out the coil construction chart on page 145 of the 1932 "Radio Guide"?

A.: The first operation is done with the vertical lines E, F, and G. The ruler is placed upon the value of the condenser to be used, indicated at "G", and upon the maximum wavelength to be tuned in on "F". It then touches a point on "E". From this point the straight edge is laid across "D," "C," and "A" so that it cuts "A" at the numeral indicating the diameter of the former. Mark where this straight edge (Continued on page 21.)

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Number of valves

Name

Address

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Nom de plume

To be kept in subsequent inquiries

Date

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- (2) Write legibly, and on one side of the paper.
- (3) We do not design circuits, but accept suggestions for feature articles.

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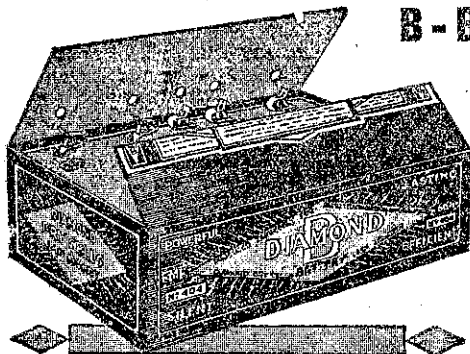
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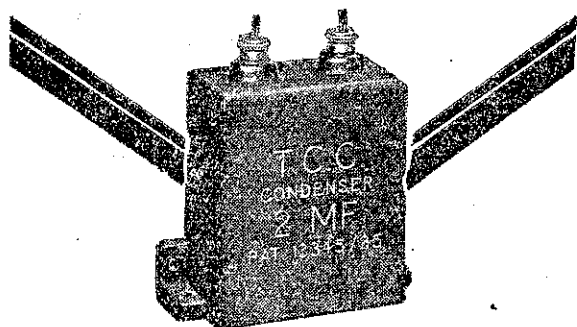
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AT ALL DEALERS

News and Views of the DX Club

Christchurch DX Club Meeting.

The next meeting will be held on Saturday, May 21, at 8 p.m., in the Radio Society's Rooms, First Floor, Tisdall's Buildings, Cashel St. W. A good attendance is requested as a fairly comprehensive programme is to be put through. Members are requested to bring written statements on power interference and heterodyning.—E. W. Watson (secretary), Christchurch.

Answers to Correspondents

Stations Identified

139A (Kaihere): Details of the method of filling reports will be given in the next "Radio Times." Australian stamps can be obtained at your local P.O., while for American stations International Reply Paid coupons can be obtained from the same source.

67M.C. (Akaroa): No. Why not persuade someone to join?

"Digger" (Hamilton): Between 4 a.m. and 8 p.m., summer time, and 7 a.m. and 5 p.m. winter time.

132 (Auckland): 3WR replied by return mail.—"Radio" (Wgton.).

C.C.B. (Christchurch): The May "Radio Times" contains a complete official list of all N.Z. broadcast stations. A full list of Americans will appear in the next issue.

Pearl (870.C., Gore) would like to hear from members. Address letters c/o "R.R."

Identification Wanted

Station heard between 7.30 till 8.10 p.m., at R3-4, broadcasting a Salvation Army devotional service. Call sounded like KICK. "Minnesota" was mentioned.—139A (Kaihere).

Station heard from 5.30 to 6 a.m. on 1145 k.c. (262m.), on April 21. Man was speaking in a foreign tongue. Also a station on approx. 625 k.c. (480m.). A man speaking in what sounded like Indian.—55W. (Wellington).

Could anyone confirm my reception of KFBI, Kansas, after 11 p.m. on May 8? A doctor was lecturing on surgery.—S.O.N. (Auckland).

Station heard between 5.30 and 5.45 p.m. on May 8 on approx. 1040 k.c. (283m.). "On the Road to Mandalay" was heard following a French song. The woman who sang this was introduced by the announcer, and she addressed listeners in English before commencing her number. Organ solos and orchestral music were also heard. Also on same date between 5.15 and 5.30 p.m., on approx. 970 k.c. (309m.), a station was heard sending greetings to numerous people including missionaries in India and Egypt. Referred to Rev. and Mrs. Clements of Alps District, India.—C.C.B. (Christchurch).

Australian station broadcasting a choral service about 9.30 p.m. on May 5. Another station was coming in on exactly the same frequency; 1220 k.c. (246m.). Both were very clear, but the result was confused.—W.H.B. (Auckland).

Early morning station on approx. 1063 k.c., heard on May 1 and 2. On 1st was broadcasting band items between 9.30 a.m. and 7 a.m.—73 O.O.

220.C.—I heard the same station and reported to 2BH, Horby, Sweden.—"Digger" (Hamilton).

14A: Station 4QG's frequency is Bucharest, Roumania, on 760 k.c. (394m.). 181A. and others: KGBQ Police Station, Los Angeles, on about 1650 k.c. (182m.). Frequency is shifted from time to time between 1600 and 1650 k.c. 2ZE, Eketahuna, 1210 k.c. (248m.), was testing at about 11.45 a.m. on May 11 at about R8.—98W. (P.N.).

T.K.McK. (Akaroa): Your station on 1500 k.c. (200 m.) announced as "Radio Service Co., relaying KFI, Los Angeles." This would account for your mistaking KLI for KFI. Signals were R8, but transmission was spoiled by loud humming, surging, and distortion.—28HB (Napier).

Digger (Hamilton): On April 24 I heard your station on 1240 k.c. Before closing he gave a summary of his next day's programme, and I heard him say he would be rebroadcasting KGEF. He closed at 6.29 with "Good-night, Sweetheart," but I was unable to hear his call. It makes a practice of rebroadcasting other stations as there is a 100 w. station, KGFI, which broadcasts on 1500 k.c. It is situated at Corpus Christi, Texas. Your other station is WTAM, Cleveland, 50 k.w., 1070 k.c. **14A:** There is a station CJCA, Edmonton, Alta, but it transmits on 930 k.c. If no dxer knows to whom you were listening your best plan would be to write to CJCA and inquire if any station on 580 k.c. was rebroadcasting it. Station on 738 k.c. is, I think, Katowice, Poland; call is SP4 and power 10 k.w.—730C.

26HB: Station on approx. 950 k.c. is XED, Reynosa, Mexico, but he generally signs off at 8 p.m. **1530C (Timaru):** Station on 650 k.c. would either be WSM, Nashville, up to 5.30 p.m., or KOCB, Seattle, after that time. They both come in at fair strength. Other American on 760 k.c. is probably KVL, Tacoma, Wash. "Joe" (Greymouth): VK2ME, Sydney, calling up trawlers off N.S.W. coast. Some of the ships they call up are VJMN, Oorana; VJML, Nova; VJMK, Broadway; VJMT, Tunkara. **22MC:** European on 1160 k.c. is Horby, Sweden, using 15 k.w. **14A:** Bucharest, Roumania, broadcasts on 4QG's frequency.—N. Jenkins (Master-ton).

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PROGRAMME FEATURES

—May 22 - 28—

SUNDAY

From Auckland

RELAYING from Beresford Street Congregational Church, 1YA will broadcast the service conducted by the Rev. A. V. Whiting. Mr. W. Gemmell will be at the organ, with Mr. A. Cherry as choirmaster.

The broadcast of a concert to be given in the Auckland Town Hall by the Municipal Band, under Mr. George Buckley, will follow.

Wellington Jottings

THE service at St. Peter's Anglican Church will be broadcast. The preacher will be the Rev. W. Bullock, with Mr. S. B. Shortt as organist and choirmaster.

The broadcast of a concert to be given in the De Luxe Theatre by the Royal Naval Volunteer Reserve Band, under Mr. Harry Baker, will follow.

From Christchurch

THE service in St. Paul's Presbyterian Church will be broadcast. The Rev. Alan C. Watson will be the preacher, Mr. H. Blakely conductor of the choir, and Mr. Norman Williams the organist.

An after-church studio concert will follow.

Dunedin Jottings

PASTOR W. D. MORE will be the preacher in St. Andrew's Church of Christ, when the service will be broadcast. The choirmaster will be Mr. W. H. McKenzie, and the organist Miss V. Stokes.

The relay of 3YA's concert will follow.

MONDAY

Wellington Jottings

LOVERS of both light and classical music will find much in this evening's programme to please them.

Each half of the evening's programme will include a quarter hour's recital of chamber music by a trio consisting of Madame Evelyn de Mauny (pianiste), Marjorie Bennie (mezzo-soprano), and Leon de Mauny (violinist).

At 9 o'clock a "Surprise Item" will be broadcast.

Christchurch Notes

ATEN minutes' talk on the work of the Empire Service League will be given by Mrs. E. R. Hotchkiss. At 7.30 the W.E.A. Session will begin, when the Rev. Hubert Jones, Mus. Bach, will give the last of his series of lectures on "Music."

The Christchurch Citadel Band, conducted by Mr. N. G. Goffin, will provide the evening programme, the items comprising many not usually heard over the air. The supporting programme will feature that popular baritone, Rex Harrison, in a recital of four songs.

From Dunedin

HERALDING the "Come to Dunedin Week," which will be marked by festivities and celebrations the following week, Mr. W. B. Steel will give a talk.

The concert programme will consist of recordings, including a male quartet singing excerpts from "Lilac Time," a Vienna male voice choir, and two duets of the popular type sung by Eddie and Rex.

At 9 o'clock Dr. C. M. Focken will give a talk on "The Cosmic Ray and its Relation to the Universe."

TUESDAY

Auckland Jottings

INCLUDED on the programme of recordings to be given to-night, Flotsam and Jetsam will contribute two



Ted Priestley,

a well-known and successful teacher of dancing who is now engaged on a series of lectures from 1YA.

numbers, "Schubert's Toy Shop" and "Polonaise in the Mall." On the instrumental side of the programme will be novelty numbers on tin-whistle and mouth organ by W. V. Robinson.

Wellington Notes

IRENE HORNIBLOW, a talented Dunedin mezzo-contralto now resident in Wellington, will be introduced to 2YA listeners. The Tamariki Maori Quartet will also make its debut, presenting instrumental and vocal Maori numbers.

Dunedin Jottings

THE W.E.A. session will be taken by Mr. A. Salmond, M.A., speaking on "The Aspect of Education in Russia."

A half-hour recital of recordings will precede the evening concert, which will be provided by the Green Island Municipal Band and assisting artists.

WEDNESDAY

Auckland Notes

AT 7.30 p.m., during the W.E.A. session, Mr. N. M. Richmond, B.A., will give a talk entitled "Financial Policy and the Crisis; the Call for a 'Managed' Currency."

From 8 p.m. to 8.30 p.m. there will be a half-hour of selected recordings. This will be followed by a short studio concert, which will include items by Haydn Murray's Trio and humorous anecdotes by Mr. T. T. Garland. During the evening, there will be fifteen minutes of time reserved for last-minute items. Dance music will be relayed from the "Peter Pan" Cabaret at the conclusion of the studio programme.

Wellington Jottings

BY means of recordings, a galaxy of world-famous artists will broadcast this evening. These include Paderewski playing a pianoforte solo, Rubinstein's "Valse Caprice," Edward Styx, the violinist, will play "Invitation of Drums" and Edmund Kurtz will present two 'cello solos. "An Imaginary Broadcast," as acted by the Parlophone Variety Company, will prove very entertaining. There will be two novel yodelling turns when Geo. Dusen presents "The Yodelling Chinaman" and "The Yodelling Bullfighter."

Christchurch Notes

THE outstanding feature on the evening programme will be a fifteen minutes' pianoforte recital by Helmuth Hoffmann, an eminent musician, now on a visit to New Zealand.

He will play works by Chopin, Schumann, Brahms and Godowsky during a recital at nine o'clock. At eight o'clock there will be a relay from Holy Trinity Church, Avonside, where the 75th anniversary festival is taking place. The anthem, "Fest Gesang" (by Mendelssohn), as sung by present-day and old-time choristers, under Mr. Arthur Lilly, A.R.C.O., will be broadcast. Another attraction for the evening will be a recital by Sidney Williamson, tenor, who will present, with introductory and explanatory comments, a programme of love songs by Dr. Richard Strauss. Some of them will be sung in German.

Dunedin Jottings

AT 7.40 p.m. Mr. G. A. Wycherley gives a talk on the "Come to Dunedin Week."

The evening's programme will include an illustrated talk by Dr. V. E. Galway, Dunedin city organist, on "Songs of Schumann." The assisting vocalist will be Alfred Walmsley, tenor.

Featurettes

Chamber Music Recital
2YA, Monday.

Tamariki Maori Quartet
2YA, Tuesday.

Helmuth Hoffman, Pianist
3YA, Wednesday.

"The Ace of Cads"
1YA, Friday.

Competitions Festival
3YA, Friday.

The Tahiwis
3 and 4YA, Saturday.

THURSDAY

Auckland Jottings

DURING the W.E.A. session, which commences at 7.30 p.m., Mr. R. A. Falla, M.A., will give a talk on "The Ways of Wild Birds—Birds as Home Builders."

The evening programme will be a relay from the Auckland Town Hall of the Royal Auckland Choir's concert, conducted by Dr. W. E. Thomas. The Auckland Girls' Brass Band will take part, and the programme will feature soprano solos by Madame Aileen Johns.

Wellington Notes

AT 7.30 p.m. Professor W. H. Gould takes the W.E.A. session, speaking on "Development and Education—the Nature of Development."

The evening programme will feature vocal items by the Orpheus Musical Society. Christina Young will sing the solo, "Softly Awakes My Heart," and, in company with Harrison Cook, she will be heard in the duet, "Carim Carmalla."

From Christchurch

ENTERTAINMENT of a light, popular nature will be provided in the evening's recorded programme.

At 9 o'clock Dr. C. Coleridge Farr, F.R.S., will give a talk on "Science and World Civilisation."

FRIDAY

Auckland Notes

During the evening Mrs. Zoe Bartley Baxter and her company will present an adaptation of Michael Arlen's "The Ace of Cads"—a gripping story full of incident.

From Wellington

THE feature of the evening programme will be recitals by Alfred Walmsley, the well-known Dunedin tenor.

Christchurch Features

MR. L. C. WEBB, M.A., will be the lecturer for the W.E.A. session, giving the first of a series of talks on "Political Institutions of New Zealand."

A demonstration concert to be given by prize-winners at the Competitions Festival, will be broadcast on relay from the Civic Theatre.

From Dunedin

THE W.E.A. session, "A Guide Through the Depression—the Nationalist Problem," will be taken by Mr. Lloyd Ross, M.A.

During the light variety programme from 4YA a popular orchestral programme will be presented during the evening by Mons de Rose and his octet. The recordings include a canary singing, xylophone solos, two choruses by a male voice octet, and a selection from "The New Moon" by the London Theatre Orchestra.

SATURDAY

Auckland Notes

AT 7.40 p.m. Mr. W. E. Priestley will give a talk on "Modern Ball-room Dancing."

Mr. L. Zanderigo, who has not been heard from 1YA for some years, as he has been visiting his native country, Italy, will be heard in piano-accordeon solos. Phil Jury is making his debut at 1YA in several trombone solos. Mr. J. C. Brougham, who recently gave several talks on the French Foreign Legion, will give a talk on "Wartime Spies."

Wellington Jottings

DR. IAN HENNING takes the W.E.A. session, discussing "The Mind of Post-war Europe—France."

Local artists and recordings will provide a variety programme this evening. Chevain and Lissen, a talkative pair, will entertain with dialogues in their first appearance at 2YA.

From 3YA and 4YA

3YA'S light vaudeville programme will consist mainly of recordings, including a potted pantomime, "Dick-Whittington," and "Radio Impersonations," and Maori songs by the Tahiwis.

Children's Session

FROM 1YA.

Tuesday, May 24: Piano solos and recitations from cousins and stories on Empire Day from Uncle Dave will while away the hour.

Wednesday: Uncle Reg in tuneful mood will include cheery pieces on the fairy piano. Cousins will provide songs and sketches.

Thursday: Listen for the Radio Postman and his whistle, also for Cousins Dick at the piano and Doreen

singing. Skipper, of course, present also with stories to tell.

Friday: Violin solos, piano solos, stories and jokes will be provided by Nod and Aunt Dorothea and their helpers.

Saturday: Here is Cinderella once again, with more true stories of wonderful dogs; cousins will assist with trios and duets.

Sunday: Children's Song Service conducted by Uncle Bert, assisted by the Beresford Street Sunday School.

FROM 2YA.

Monday, May 23: Uncle Jeff is entertaining the children of radioland to-night. We are to have a Bird Evening, and Cousin Vermont will be here to tell you all about them. You will hear the woodpigeon, the owl, cuckoo, the tui and many others. Kipling Lady will also be with us.

Tuesday: A Toy Party to-night, with golliwogs, teddy bears, dollies, the Bonzo dog, Felix the cat, and Micky Mouse will be among the guests. Jumbo will probably invite some of his relations too.

Wednesday: Aunt Daisy will be back again this afternoon and will have all her adventures during the holidays to tell the radio family about. The "Cheerful Chirpers" will be back again, too, with their merry

chirping, and we shall all have a happy hour.

Thursday: Cousin George has dramatised "The Four Brothers," one of Grimm's fairy tales, for you to-night, and it will be acted by some of our radio cousins. Uncle George and Big Brother Jack will send you birthday greetings.

Friday: "Woolley Woman" will be here to-night with fresh knitting patterns for you to learn, and more wool stories. It is a Girls' Evening, so the boys can stay out later and play football—they had a special night a few weeks ago. Tweedledum will conduct the session.

Saturday: Who will join Aunt Molly and Uncle Jasper on their trip to San Francisco to-night? It is another of Mr. Gramophone Man's Radio Tours. Cyril will also be in the party, but we hope he'll not get too excited.

Sunday: The Children's Evening Song Service will be conducted by Uncle George, and assisted by the children from St. Aiden's Anglican Church, under Mrs. Wahlers.

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R.I.

Programmes for Week ending May 29

Sunday [May 22]

Silent Days this Week

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

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

1YA AUCKLAND. 902 k.c.
Sunday 22.

2.0: Selected recordings and literary selection.

6.0: Children's Song Service, Uncle Bert.

7.0: Relay, Service from Beresford Street Congregational Church. Preacher: Rev. A. V. Whiting. Organist: W. Gemmell. Choirmaster: A. Cherry.

8.30: Relay of Municipal Band Concert from Town Hall. Conductor: G. Buckley. March, The Band, "Marche Militaire" (Schubert). Overture, The Band, "Si J'étais Roi" (Adam). Clarinet, E. Pheloung, "Concertine" (Weber). Descriptive, The Band, "In the Mystic Land of Egypt" (Ketelbey). Cornet Duet, F. Bowes and J. Davies, "Cheerfulness" (Cumbert). Selection, The Band, "The Mikado" (Sullivan). Flute, H. C. McLennan, "By the Brook" (Wetzger). Selection, The Band, "Les Huguenots" (Meyerbeer). Hymn, "At Even Ere the Sun was Set." March, "The Red Cross" (Panella). Selected recordings.

2YA WELLINGTON. 720 k.c.
Sunday 22.

2.0 to 4.30: Selected recordings.

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

7.0: Relay of Evening Service from St. Peter's Anglican Church. Preacher: Rev. W. Bullock.

Concert Programme.

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

3YA CHRISTCHURCH. 980 k.c.
Sunday 22.

2.0: Gramophone recital.

5.30: Children's Song Service by Children from the Presbyterian Sunday School.

6.15: Chimes from Studio.

6.30: Relay of Evening Service from St. Paul's Presbyterian Church, Cashel Street. Preacher: Rev. Alan C. Watson. Organist: Norman Williams. Choir conductor, H. Blakely.

7.45: Selected recordings.

Concert Programme.

8.15: Selection, Christchurch Salon Orchestra, "The Tales of Hoffmann" (Offenbach).

8.25: Recording, The Siebor Choir, "Tales from the Vienna Woods" (Strauss).

8.33: Recording (Violin), Frederick Franklin, "To a Wild Rose" (MacDowell).

8.36: Baritone, J. H. Cocks, (a) "My Life Has Crept so Long" (Somervell); (b) "I Sometimes Wonder" (Russ).

8.42: Piano recital, Fred Page, (a) "The Princess" (Tscherepnine); (b)

"Mazurka in A Minor" (Chopin); (c) "Windmills" (Moeran).

8.51: Contralto, Bertha Rawlinson, "Che Faro" (Gluck).

8.56: Recording (Organ), Richard Jordan, "Song of the Islands" (King).

8.59: Bass, Claude O'Hagan with Orchestra, "The Bandolero" (Stuart).

9.3: Weather forecast and notices.

9.5: Salon Orchestra, (a) "Andantino" (Lemare); (b) "Laughing Marionette" (Collins).

9.11: Recording, Westminster Glee Singers, "Breeze of the Night" (Lamothé).

9.14: Recording, London Flute Quartet, "Bees' Wedding" (Mendelssohn, arr. Stainer).

9.17: Baritone, J. H. Cocks, (a) "The Lute Player" (Allitsen); (b) "The Last Song" (Tosti).

9.23: Salon Orchestra, Four Dances from "Rebel Maid" (Phillips).

9.33: Recording (Soprano), Sigrid Onegin, "Serenade to Zanetto" (Massenet).

9.36: Recording (Violin), Marta Linz, "Hejre Kati" (Hubay).

9.39: Contralto, Bertha Rawlinson, (a) "When I am Laid in Earth" (Purcell); (b) "Ring Bells Ring" (Day).

9.45: Recording, Hermann Trio, "Arabesque in E Major" (Debussy).

9.48: Bass, Claude O'Hagan, (a) "Friend o' Mine" (Sanderson); (b) with Orchestra, "The Lost Chord" (Sullivan).

9.55: Recording, Mandoline Concert Society, March, "Amazon's Ride" (Ritter).

9.58: Selection, Salon Orchestra, "Haydn Wood's Songs" (arr. Higgs).

4YA DUNEDIN. 650 k.c.
Sunday 22.

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 St. Andrew's Street Church of Christ. Preacher: Pastor W. D. More. Organist: Miss V. Stokes. Choirmaster: W. H. McKenzie.

7.45: Selected recordings.

Concert Programme.

8.15: Relay of Programme from 3YA, Christchurch.

2YB NEW PLYMOUTH. 1230 k.c.
Sunday 22.

7.30 to 8.15—Church relay.

8.15 to 10.0—Studio concert.

Monday [May 23]

2YA WELLINGTON. 720 k.c.
Monday 23.

10.0: Selected recordings.

11.12: Lecturette, "Cooking."

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

12.0: Lunch music.

2.20: Selected recordings.

3.30 and 4.30: Sports results.
5.0: Children, by Uncle Jeff.

Dinner Music.

6.0: Minneapolis Symphony Orchestra, "March Militaire" (Schubert). A. and P. Gipsies Orchestra, "Simple Confession" (Thome); "Herbertiana" (Stone). Brunswick Concert Orchestra, "A Thousand Kisses" Waltz (Joyce).

6.13: Anglo-Persians' Orchestra, "My Little Persian Rose" (Friedland). Minneapolis Symphony Orchestra, "Coppelia Ballet—Prelude and Mazurka" (Delibes). Dajos Bela Orchestra, "Delirien" Waltz (Strauss). Minneapolis Symphony Orchestra, "Prelude to Khowantchina" (Rimsky-Korsakov).

6.29: Grand Symphony Orchestra, "Dance of the Waves" (Catalani). A. and P. Gipsies Orchestra, "The Far Away Bells" (Gordon). A. and P. Gipsies, (a) "White Acacia"; (b) "Petite Causerie" (Stone).

6.43: Brunswick Salon Orchestra, "Love Everlasting Waltz" (Friml); "Little Grey Home in the West" (Loehr). Minneapolis Symphony Orchestra, "Dernier Sommeil de la Vierge" (The Virgin's Last Sleep) (Massenet). Dajos Bela Orchestra, "Count of Luxembourg Waltz" (Massenet).

7.0: News and reports.

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

Concert Programme.

8.0: Overture, 2YA Orchestra (Conductor, Signor A. P. Truda), "Zampa" (Herold).

8.9: Tenor, D. L. Irwin, (a) "The Shepherd's Call" (Trdl.); (b) "Down by the Sally Gardens" (Hughes); (c) "The Kerry Cow" (Wood).

8.16: Chamber music. Piano, Madame Evelyn de Mauny; Mezzo-soprano, Marjorie Bennie; Violin, Leon de Mauny. Violin, "Andante and Allegro from Sonata in D Major" (Handel). Mezzo-soprano with violin obbligato, "Morgen" (Strauss). Piano, "Spanish Caprice" (Moskowski).

8.32: Recording, Light Opera Company, "The Waltz Dream" Vocal Gems (Strauss). Recording, The Salon Group, "The Fortune-Teller" (Herbert).

8.40: Recording, Band of the Royal Air Force, (a) "The Wedding of the Rose" (Jessel); (b) "The Boy and the Birds" (Hagen).

8.46: Baritone, Ernest Glading, (a) "When the King Goes Forth to War" (Koenemann); (b) "A Russian Lament" (del Riego).

8.52: Selection, 2YA Orchestra, "Pagliacci" (Leoncavallo).

9.0: Weather report and notices.

9.3: Surprise item.

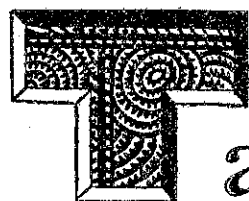
9.15: Instrumental, 2YA Orchestra, (a) "Passion Flowers" (Somerville); (b) "Pass des Amphores" (Chaminade).

9.23: Tenor, D. L. Irwin, (a) "The Shepherd's Song" (Elgar); (b) "Sunday" (Brahms).

9.28: Chamber music. Piano, Madame Evelyn de Mauny; Mezzo-soprano, Marjorie Bennie; violin, Leon de Mauny. Violin, "Canzonetta" from "Romantic Sonata" (Godard). Mezzo-soprano, Group of Bergettes, (a) "Voici Noel," (b) "Jenne Fillette," (c) "Petronille," (all by Weckerlin). Piano, (a) "In Old Vienna" (Godowski); (b) "Butterflies" (Olsen).

9.45: Recording, Gerald Adams and the Variety Singers, (a) "The Honeysuckle

The



amariki Maori Quartet

will make their first appearance
from 2YA, on
TUESDAY, MAY 24.



and the Bee" (Penn); (b) "By the Side of the Zuyder Zee" (Scott).

9.49: Baritone, Ernest Glading, (a) "The Rebel's Song"; (b) "Son of Mine" (both by Wallace).

9.54: Waltz, 2YA Orchestra, "Les Adieux" (Gungl).

10.0: Dance programme.

3YA CHRISTCHURCH. 980 kc. Monday 23.

3.0: Gramophone recital.

4.30: Sports results.

5.0: Children, by Uncle John.

Dinner Music.

6.0: Albert W. Ketelbey's Concert Orchestra, "Chal Romano—Gipsy Overture" (Ketelbey). Symphony Orchestra, "Artist's Life" (Strauss). Organ, Stanley MacDonald, "The Rosary" (Nevin). Kiriloff's Balalaika Orchestra, "Medley of Old-Time Songs." Musical Art Quartet, "To a Wild Rose" (McDowell). National Symphony Orchestra, "Irish Rhapsody" (Herbert). Jacques Jacobs' Ensemble, "España Waltz" (Waldteufel). Columbia Symphony Orchestra, "The Flatterer" (Chaminade). Dajos Bela String Orchestra, "Goldregen" (Waldteufel). Organ, Stanley MacDonald, "La Rosita" (Dupont). The Royal Opera Orchestra, Covent Garden, "Eugene Onegin" (Tschalkowsky). Musial Art Quartet, "Mighty Lak' a Rose" (Nevin).

Jacques Jacobs' Ensemble, "L'Estudiantina" Waltz (Waldteufel).

7.0: News and reports.

7.20: Talk by Mrs. E. R. Hotchkin, under auspices of the Empire Service League, "Work of the League."

7.30: W.B.A. Session, Rev. Hubert Jones, Mus. Bach, "Music" (last of series).

Concert Programme.

8.0: March, Christchurch Citadel Band (Conductor, N. G. Goffin), "Joyful Praise" (Morgan); Selection, "Love Divine" (Jakeway).

8.10: Recording, Light Opera Company, Vocal Gems, "Les Cloches des Corneville" (Planquette).

8.18: Piano, Agnes Shearsby, (a) "Butterfly" (Grieg); (b) "La Berceuse" (Chopin).

8.24: Recording, Mezzo-contralto, Amy Ostinga, "If You Haven't Got Love" (Henderson).

8.27: Chorus Melody, Band, "Blessing, Honour, Glory and Power" (Spohr, arr. Marshall). Selection, "Songs of Liberty" (Mountain).

8.35: Humour, H. Instone, "The Costers' Race" (Hickory Wood).

8.38: Recording, Saxophone, Rudy Wiedoeft, "Valse Manzanetta" (Wiedoeft).

8.41: Baritone in Song Recital, Rex Harrison, (a) "The Devout Lover" (M. V. White); (b) "Vulcan's Song" (Gounod); (c) "I Know a Lovely Gar-

den" (D'Hardelot); (d) "Land of Hope and Glory" (Elgar).

8.54: Euphonium Solo, Bandsman C. Dry, "Land Beyond the Blue" (Jakeway); March, Band, "Gladstone Melody" (Merritt).

9.3: Weather forecast and notices.

9.5: Recording, International Novelty Orchestra, Waltz, "Four Little Farms."

9.8: Recording, Tenor, Hubert Eisdell, (a) "Take, Oh, Take Those Lips Away"; (b) "Hey, Ho! The Wind and the Rain" (both by Quilter).

9.11: Piano, Agnes Shearsby, (a) "Liebestraume" (Liszt); (b) "Poupee Val-sante" (Poldini).

9.19: Recording, Soprano, Gladys Mon-crief, "My Life is Love" (Fraser-Simp-son).

9.22: Selection, Band, "Army of the Brave" (Marshall).

9.29: Humour, H. Instone, "Jellaby's Play" (Hickory Wood).

9.36: Recording, Piano Duet, Constance Mering and Muriel Pollock, "High Hat" (Alter).

9.39: Recording, Bass, Foster Richard-son, "A Jovial Monk am I" (Andrew).

9.42: Traditional Air, Band, "London-derry Air" (arr. Goffin). Selection, "Joyful Tidings" (Dove).

9.50: Recording, John Goss and Cathed-ral Quartet, (a) "Blow the Man Down"; (b) "Tom's Gone to Hilo" (both arr. Terry); (c) "Lowlands"; (d) "Highland Laddie" (both arr. Harris).

9.56: Recording, Banjo and Guitar, The Brothers Bertini, "Wedding Chimes" (Reser).

9.59: March, Band, "Carry On" (Broughton).

"The Ace of Cads,"

A one-act play, will be produced from 1YA by Zoe Bartley-Baxter and Company

On Friday, May 27.

7.0: News and reports.

7.40: Talk, W. B. Steel, "Come to Dun-edin Week."

Concert Programme of Recordings.

8.0: Marches, The Carlisle St. Ste-phen's Brass Band, (a) "Mephistopheles" (Douglas); (b) "Langland Bay" (May).

8.6: Piano, Raie da Costa, "White Horse Inn" (Medley) (Stolz).

8.9: Male Quartet, Cynthia George, Henry Rivers and Male Quartet, "Lilac Time" Gems (Schubert, arr. Clutsam).

8.15: Selection, Orchestra of the State Opera House, Berlin, "The Barber of Bagdad" (Cornelius).

8.23: 'Cello, Pablo Casals, (a) "The Prize Song"; (b) "O Star of Eve" (both by Wagner).

8.30: Contralto, Sigrid Onegin, (a) "O Don Fatale" (Verdi); (b) "O Mio Fernando" (Donizetti).

8.38: Selection, Pipeers of First Bat-talion Scots' Guards, "The Gathering of the Clans" (Trdl.).

8.44: Chorus, Light Opera Company, "Maritana" (Wallace).

8.52: Intermezzo, The London Palladium Orchestra, (a) "Vivienne" (Finck); (b) "Longing" (Wood).

8.57: Baritone, Peter Dawson, "A Bachelor Gay" (Tate).

9.0: Weather report and notices.

9.2: Talk, Dr. C. M. Focken, "The Cos-mic Ray and Its Relation to the Uni-verse."

9.17: Overture, Berlin State Opera House Orchestra, "Academic Festival" (Brahms).

9.25: Choir, Male Voice Choir of Vienna, (a) "Der Tanz"; (b) "Die Nacht" (both by Schubert).

9.32: Polka and waltz, John Wilfa-hart's Concertina Orchestra, (a) "Merry-go-Round"; (b) "Jolly Hunters."

9.40: Vocal duet, Eddie and Rex, (a) "Me" (Berlin); (b) "Ain't That the Way it Goes?" (Ahler).

9.46: Violin, Fritz Kreisler, (a) "Tam-bourin Chinois" (Kreisler); (b) "Thais" Meditation (Massenet).

9.54: Tenor, Joseph Hislop, "In Dis-tant Lands" (Wagner).

9.58: Grand Marche, Band of H.M. Coldstream Guards, "Marche Aux Flam-beaux" (Meyerbeer).

2YB NEW PLYMOUTH. 1230 kc. Monday 23.

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

Tuesday
[May 24]

1YA AUCKLAND. 902 kc. Tuesday 24.

3.0: Selected recordings, and Literary Selection.

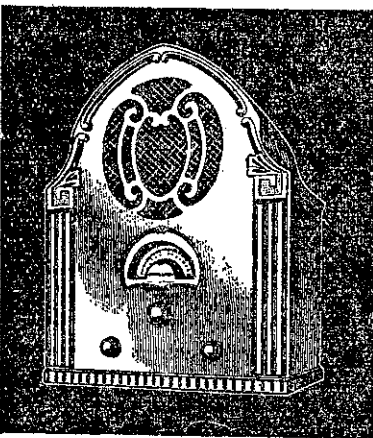
4.30: Sports results.

5.0: Children, by "Uncle Dave."

Dinner Music.

6.0: Menorah Symphony Orchestra, "Shulamith" Selection (Goldfaden). Victoria Orchestra, "La Serenata—Waltz" (Metra). Zurich Tonhalle Orchestra, "Andante" (Mozart). Halle Orchestra, "Rosamunde Ballet Music" (Schubert): (1) "Andantino"; (2) "Allegro Moder-ato and Andante."

6.24: Dajos Bela Orchestra, "Viennese Waltz Potpourri" (Robrecht). Bourne-mouth Municipal Orchestra, "Echoes of



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the Valley" (Gennin). Victoria Orchestra, "Espanita—Waltz" (Rosey). The Rhythmic Eight, "Neapolitan Nights" (Zamecnik).

6.41: Zurich Tonhalle Orchestra, "Gavotte from 'Idomeneo'" (Mozart). Concert Orchestra, "Sous Bois" (Staub). Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).

7.0: News and reports.

Concert Programme of Recordings.

8.0: John Barbirolli's Chamber Orchestra, "Introduction and Allegro for Strings" (Elgar).

8.16: Tenor, Ernest McKinley, (a) "Hail Caledonia" (Stroud); (b) "Te Waiata Aroha" (Hill).

8.22: Band of H.M. Grenadier Guards, "The Shamrock" (arr. Myddleton).

8.30: The Salisbury Singers, (a) "When For The World's Repose" (Bart of Mornington); (b) "Early One Morning" (Boulevard).

8.36: Novelty, W. V. Robinson, "Bagpipe Imitations on Tin Whistle"; Mouth-organ, "Battery Dan, the Magistrate" (both by Robinson).

8.41: Comedian, Reg. Grant, (a) "Knocked 'Em in the Old Kent Road" (Ingle); (b) "Two Lovely Black Eyes" (Coborn).

8.47: London Coliseum Orchestra, "Leslie Stuart Memories" (Stuart).

8.53: Three Valleys Festival Choir, "Land of My Fathers" (Trdtl.).

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

9.0: Weather forecast and notices.

9.2: Talk, Captain R. H. Neil, "The North West Frontier Province of India."

9.22: Piano, Arthur de Greef, "Hungarian Fantasia" (Liszt).

9.37: Contralto, Sigrid Onegin, (a) "The Blind Ploughman" (Clarke); (b) "The Fairy Pipers" (Brewer).

9.43: Xylophone, Rudy Starita, (a) "Dance of the Paper Dolls" (Tucker); (b) "The Woman in the Shoe" (Brown).

9.49: Flotsam and Jetsam, (a) "Schubert's Toy Shop"; (b) "Polonaise in the Mail" (both arr. Flotsam and Jetsam).

9.57: Band of H.M. Royal Horse Guards, "Knights of the King" (Ketelby).

2YA WELLINGTON. 720 kc.
Tuesday 24.

10.0: Selected recordings.
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: Marek Weber and His Orchestra, "Menuet No. 1" (Paderewski). H.M. Coldstream 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). H.M. Coldstream Guards Band, "Faust Selection" (Gounod). De Groot's Piccadilly Orchestra, "None but the Weary Heart" (Tchaikowsky). Reginald King and His Orchestra, "Garden in the Rain" (Gibbons).

6.54: De Groot and His Orchestra, "Louise" Selection (Charpentier).

7.0: News and reports.

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

Concert Programme.

8.0: Recording, B.B.C. Wireless Symphony Orchestra, "Iolanthe" (Sullivan, arr. Godfrey).

8.8: Mezzo-contralto, Irene Horniblow, (a) "The Last Rose of Summer" (Moore); (b) "All Thru' the Night" (Trdtl.).

8.14: Dances, 2YA Salon Orchestra (Conductor, M. T. Dixon), "Three Dances" from "Hullo America" (Finck). 8.24: Humour, W. J. McKeon, "Wrong Numbers" (Beech).

8.30: Tamariki Maori Quartet, (a) "E Ranga Pukerua," (b) "Matangi," (c) "Te Tau," (d) "Wairangi" (all Trdtl.).

8.38: Selection, Salon Orchestra, "Wiegand" (Burmester).

8.48: Recording (Humour), Sandy MacFarlane, (a) "Bella Frae Balloch Myle" (MacFarlane); (b) "Auld Scotch Songs with Lullaby" (Lesson).

8.54: Mezzo-contralto, Irene Horniblow, (a) "The Arrow and the Song" (Balfie); (b) "The Oak and the Ash" (Trdtl.).

9.0: Weather report and notices.
9.2: Selection, Salon Orchestra, "Tip-Toes" (Gershwin).

9.12: Humour, W. J. McKeon, "William and Horace" (McKeon).

9.18: Recording, Sweet and Low Duet-tists, (a) "By the Waters of Killarney" (Monte Carlo); (b) "Just an Old Refrain" (Wilton).

9.24: Tamariki Maori Quartet, (a) "Waioreta," (b) "Kauaka e Hine," (c) "Waimarama," (d) "Arohanui" (all Trdtl.).

9.32: Suite, Salon Orchestra, "Jevington Suite" (Loughborough).

9.42: Recording (Monologue), John Barrymore, (a) "Gloucester's Soliloquy" (from "Henry VI"); (b) "Hamlet's Soliloquy" (from "Hamlet") (both by Shakespeare).

9.50: Instrumental, Salon Orchestra, Latest Dance Novelties.

4YA DUNEDIN. 650 kc.
Tuesday 24.

3.0: Selected recordings.
4.30: Sports results.
5.0: Children, by Wendy and Aunt Leonore.

Dinner Music.

6.0: Chicago Symphony Orchestra, "Russlan and Ludmilla" Overture (Glinka). De Groot and Piccadilly Orchestra, "Waldteufel Memories" (arr.

Finck). New Light Symphony Orchestra, "Minuet" (Boccherini). International Novelty Orchestra, "To Die Dreaming" Waltz. Vienna Philharmonic Orchestra, "Hungarian Dance No. 3" (Brahms).

6.20: Cedric Sharpe Sextet, "Chanson Napolitaine" (D'Ambrosio). Eddie Thomas' Collegians, "The Missouri Waltz." Berlin State Opera Orchestra, "Capriccio Italien" (Tchaikowsky).



Doris Moore,

who has chosen a wide variety of contralto songs for her next appearance at 1YA, on May 27.

—S. P. Andrew, photo.

6.36: Reginald King and His Orchestra, "Song o' My Heart" Selection. Chicago Symphony Orchestra, "Traume" (Dreams) (Wagner, arr. Thomas). New Symphony Orchestra, "Nell Gwynn Dance No. 3" (German).

6.51: International Novelty Orchestra, "Four Little Farms" Waltz. Vienna Philharmonic Orchestra, "Hungarian Dance No. 1" (Brahms). Cedric Sharpe Sextet, "O' Lovely Night" (Ronald).

7.0: News and reports.
7.30: W.E.A. Session, A. Salmond, M.A., "The Aspect of Education in Russia" (Second of Series).

Concert Programme.

8.0: Recordings.

8.30: Programme by the Green Island Municipal Band and 4YA artists. Conductor, F. Clarkson. March, The Band, "The Traveller" (Allan). Descriptive Morceau, The Band, "A Night in Switzerland" (Hume).

8.41: Bass-baritone, Reg. Tapley, (a) "Peter, the Ploughman" (Tate); (b) "Matinata" (Tosti).

8.48: Selection, The Band, "Recollections of Schubert" (Rimmer).

8.57: Duet, J. McDonald and Reg. Tapley, "Bachelor and Benedict" (Reynolds).

9.0: Weather report and notices.
9.2: Recording, Savoy Orpheans, "Lido Lady" (Rodgers).

9.9: Tenor, J. McDonald, (a) "Silver Star" (Ponce); (b) "Faithless" (De Tezada).

9.14: Waltz, The Band, "Desdemona" (Carter).

9.21: Recording, Humour, Vernon Watson, (a) "A Fallen Star" (Chevalier); "My Old Dutch" (Ingle); (b) "The Future Mrs. 'Awkins" (Chevalier); "Knocked 'Em in the Old Kent Road," "Our Little Nipper" (both by Ingle).

9.28: Piano, Mrs. C. Drake, (a) "Valse in A Flat"; (b) "Ballade in D Minor" (both by Brahms).

9.33: Bass-baritone, Reg. Tapley, (a) "Drake Goes West" (Sanderson); (b) "Don't Worry, Just Trundle On" (Bennett). Duet, P. McDonald and Reg. Tapley, (a) "When Jack and I Were Children" (Lohr); (b) "The World is Waiting for the Sunrise" (Steiz).

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

9.53: Tenor, J. McDonald, (a) "Ireland and Liberty" (Morse); (b) "Just a Rose in Old Killarney" (Swain).

9.59: March, The Band, "Sandhurst" (Hume).

Wednesday [May 25]

1YA AUCKLAND. 902 kc.
Wednesday 25.

3.0: Selected recordings, and Literary Selection.

4.30: Sports results.
5.0: Children, by "Uncle Reg."

Dinner Music.

6.0: Royal Opera Orchestra, "Carmen—Entracte 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). Albert Sandler and His Orchestra, "Give Me Back My Heart" (Novello).

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

6.50: Albert Sandler and His Orchestra, "My Dream Memory" (Levant). De Groot and the Piccadilly Orchestra, "Lolita" (Ferrete and Biessier).

6.56: New Light Symphony Orchestra, "The Waltzing Doll" (Foldini).

7.0: News and reports.
7.30: W.E.A. Session: N. M. Richmond, B.A., "Financial Policy and the Crisis: 'The Call for a 'Managed' Currency.'"

Concert Programme.

8.0: Selected recordings.

8.30: Soprano, Edith Whittaker, (a) "Orpheus With His Lute" (Sullivan); (b) "Rich and Rare Were the Gems She Wore" (Moore).

8.36: Trio, Haydn Murray's Trio, (a) "Minnet Militaire" (Haydn); (b) "Mazurka" (Maling).

8.45: Humour, T. T. Garland, "A Little Incident."

8.50: Piano, Eric C. L. Bell, "Rain-drop Prelude" (Chopin).

8.54: Baritone, H. A. Barton, (a) "Thora" (Adams); (b) "Sincerity" (Clarke).

9.0: Weather forecast and notices.
9.2: Reserved.

9.17: Trio, Haydn Murray's Trio, "Romance" (Mozart).

9.22: Soprano, Edith Whittaker, "Sol-veig's Song" (Grieg).

9.26: Humour, T. T. Garland, "Topicalities."

9.30: Trio, Haydn Murray's Trio, "Scherzo" (Schubert).

9.34: Relay Dance Music from the "Peter Pan" Cabaret.

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2YA WELLINGTON. 720 kc.
Wednesday 25.

10.0: Selected recordings.
11.37: Lecturette, "Hollywood Affairs."
12.0: Lunch music.
2.0: Selected recordings.
3.30 and 4.30: Sports results.
5.0: Children, by Aunt Daisy.

Dinner Music.

6.0: Grand Symphony Orchestra, "Zampa—Overture" (Herold). Dajos Bela Orchestra, "You and You" Waltz (Strauss). Edith Lorand Orchestra, "Whispering of the Flowers" (Von Blon).

8.16: Paul Whiteman and His Concert Orchestra, "Caprice Futuristic" (Malneck). Edith Lorand Orchestra, "Winter Storms" Waltz (Fucik). The Victor Olaf Salon Orchestra, "The Merchant of Venice—Incidental Music" (Rosse): (a) "Prelude No. 1"; (b) "Intermezzo 'Portia'" and "Oriental March." "The Merchant of Venice—Incidental Music": (a) "Prelude No. 2"; (b) "Doge's March."

6.38: Edith Lorand Orchestra, "Johann Strauss Fantasia" (Strauss). Berlin State Opera House Orchestra, "From Foreign Parts"—"Italy" and "Germany" (Moszkowski).

6.54: Dajos Bela Orchestra, "Gypsy Love" Waltz (Lehar).

7.0: News and reports.

Concert Programme of Recordings.

8.1: Overture, National Symphony Orchestra, "William Tell" (Rossini).

8.13: Soprano, Anna Case, (a) "Ben-demeer's Stream" (Moore); (b) "Would God I Were the Tender Apple Blossom" (arr. Fisher).

8.19: Violin, Edward Styx, "Imitation of Drums" (Poliakin).

8.22: The Parlophone Variety Company, "An Imaginary Broadcast."

8.29: Instrumental, Salon Orchestra, (a) "Serenade" (Moszkowski); (b) "From the Canebrake" (Gardner).

8.32: Baritone, John Brownlee, (a) "Blow, Blow, Thou Winter Wind" (Quilter); (b) "If I Were King" (Tipton).

8.38: Pianoforte, Ignace Jan Paderewski, "Valse Caprice" (Rubinstein).

8.42: Concerted, Light Opera Company, "Les Cloches de Corneville" (Planquette).

8.50: 'Cello, Edmund Kurtz, (a) "Prelude"; (b) "Valse Caprice" (both by Werkmeister).

8.56: Vocal, The Radio Five, "The Rogue Song" (Stothart).

9.0: Weather report and notices.

9.2: Lecturette, F. L. Combs, M.A.

9.17: Selection, Paul Godwin's String Orchestra, "Lehariana" (Geiger).

9.26: Tenor, Richard Tauber, (a) "Mary" (Egan); (b) "Thou Art My Star" (Mihaly).

9.32: Xylophone with Orchestra, Salon Orchestra, "Gipsy Rondo" (Haydn).

9.35: Humour, Gillie Potter, "Mr. Potter's Sporting Broadcast" (Potter).

9.41: Yodelling, George Van Dusen, (a) "The Yodelling Chinaman"; (b) "The Yodelling Bullfighter" (both by Stogden).

9.47: Saxophone Trio, with Salon Orchestra, "Puleinello" (Aletter).

9.50: Vocal, The Radio Five, (a) "Jeanie with the Light Brown Hair" (Foster); (b) "Me and My Little Banjo" (Ditchmont).

9.54: Black Diamonds Band, (a) "Guards' Parade" (Farrell); (b) "Boys of the Old Brigade" (Barri).

3YA CHRISTCHURCH. 980 kc.
Wednesday 25.

3.0: Gramophone recital.

4.30: Sports results.

5.0: Children, by Uncle Bill.

Dinner Music.

6.0: The Classic Symphony Orchestra, "Raymond Overture" (Thomas). Bohemian Orchestra, "Destiny Waltz" (Baynes). Heerman Trio, "Pierrette" (Chaminade). B.B.C. Wireless Symphony Orchestra, "Il Trovatore" Selection (Verdi). J. H. Squire's Celeste Octet, "Memories of Devon" Valse (Evans).

6.22: Peter Biljos' Balalaika Orchestra, "The Wide Duiper" (Ukrainian Medley). Classic Symphony Orchestra, "Classic Memories" (arr. Ewing). Bohemian Orchestra, "Love and Life in Vienna" (Komzak, arr. Renard).

6.35: Heerman Trio, "Dalviva" (Sandby). B.B.C. Wireless Symphony Orchestra, "La Boutique Fantastique" Selection (Respighi, arr. Carr). J. H. Squire Celeste Octet, "Collette" Valse (Fraser-Simson). Peter Biljos' Balalaika Orchestra, "Blowing Winds" (Ukrainian Medley).

6.52: B.B.C. Wireless Symphony Orchestra, "H.M.S. Pinafore" Selection (Sullivan).

7.0: News and reports.

7.30: Addington Stock Market reports.

Concert Programme.

8.0: Relay from Holy Trinity Church, Avonside, of Festival Anthem, "Fest Gesang" (Mendelssohn), under Conductor Arthur Lilly, A.R.C.O.

Studio Programme.

8.13: Studio Orchestra (Harold Beck, Conductor), "Mazurka" (Saint-Saens); "Fingal's Cave" Overture (Mendelssohn).

8.26: Vocal Recital, Sidney Williamson, "Programme of Love Songs with Introductory Comments": (a) "Pride of My Heart," (b) "All the Fond Thoughts," (c) "At Night" (in German), (d) "Serenade," (e) "All Souls Day" (in German), (f) "Sir Spring," (g) "Dream in the Twilight" (in German), (h) "Longing Hearts," (i) "To None Will I My Love" (in German), (j) "Sweet Lovely May," (k) "To-morrow," (l) "Ocelly" (Richard Strauss).

8.56: Studio Orchestra, "Morris Dance" (Noble).

9.0: Weather report and notices.

9.2: Piano, Helmuth Hoffmann, (a) "Nocturne in C Minor" (Chopin); (b) "soaring" (Schumann); (c) "Intermezzo in B Flat Minor" (Brahms); (d) From the "Triacontameron" Noll, "Whose Yesterdays Look Backwards with a Smile Through Tears" (Godowsky).

9.17: Studio Orchestra, (a) "Clair de Lune" (Massenet); (b) "In Autumn" (MacDowell).

9.22: Recording, Essie Ackland, "Om-bra Mai Fu" (Handel).

9.26: Selection, Studio Orchestra, "Merry England" (German).

9.39: Dance music.

4YA DUNEDIN. 650 kc.
Wednesday 25.

3.0: Selected recordings.

3.15: Talk, Home Science Extension Department of University of Otago, "A Talk About Disinfecting."

4.30: Sports results.

5.0: Children, by Big Brother Bill.

Dinner Music.

6.0: Berlin State Opera Orchestra, "Caliph of Bagdad" Overture (Boieldieu). Edith Lorand Orchestra, "The Wedding of the Winds" (Hall). Terence Casey and de Groot, Organ and Violin, "Parted" (Tosti). Marek Weber and His Orchestra, "Pot-pourri of Waltzes" (arr. Robrecht).

6.21: London Novelty Orchestra, "Happy Darkies" Barn Dance (Godfrey). Band of H.M. Coldstream Guards, "Martha" Selection (Flotow). Edith Lorand Orchestra, "The Merry Widow" Selection (Lehar).

6.41: London Novelty Orchestra, "The Brooklyn Cake Walk." Marek Weber and His Orchestra, "Three Old Hags" Selection (Kolko, arr. Rosch).

6.50: Terence Casey and de Groot, Organ and Violin, "Cavatina" (Raff). Edith Lorand Orchestra, "Ever or Never" Waltz (Waldteufel).

7.0: News and reports.

7.40: Talk, G. A. Wycherley, "Come to Dunedin Week."

Concert Programme.

8.0: Recording, Berlin State Opera House Orchestra, "Capriccio Italian" (Tschalkowsky).

8.9: Illustrated Talk by Dr. V. E. Galway, Dunedin City Organist, "Songs of Schumann." Soloist, Alfred Walmsley.

9.0: Weather report and notices.

9.2: Continuation of talk.

9.30: Dance music.

2YB NEW PLYMOUTH. 1230 kc.
Wednesday 25.

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

Thursday
[May 26]**1YA AUCKLAND. 902 kc.**
Thursday 26.

12.15: Selected recordings.

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

3.0: Selected recordings.

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

4.30: Sports results.

5.0: Children, by Skipper.

Dinner Music.

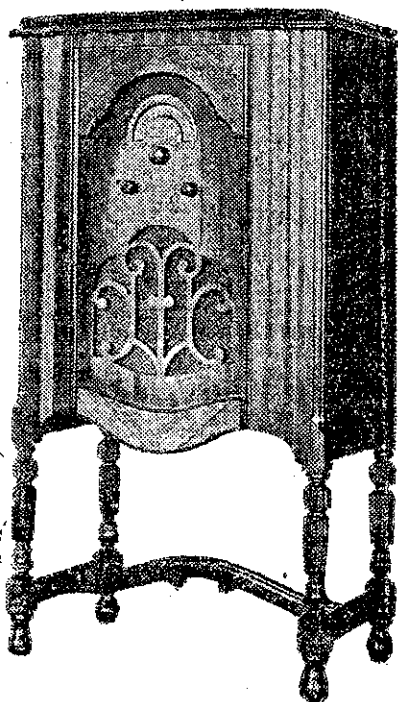
6.0: The Continental Novelty Orchestra, "Las Lagarteranas" (Guerrero). Vienna Philharmonic Orchestra, "Dorfschwalben" Walz. Royal Italian Band, "Marcia Reale" (Royal March) (Gabetti).

6.18: De Groot and His Orchestra, "Une Heure D'Amour" (Alexander). Mandolin Concert Society, "Echoes of the Volga" (Rutter). International Novelty Orchestra, "Love Sends a Little Gift of Roses" (Openshaw).

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6.27: Marek Weber and His Orchestra, "My Dream" Waltz (Waldteufel). String Orchestra, "From the Sunflower Album" (Brown); "Russian Ballet. Cedric Sharpe Sextet, "Love's Old Sweet Song" (Molloy).

6.37: The Continental Novelty Orchestra, "Los Claveles de Sevilla" (Guerrero). Royal Italian Band, "Inno di Garibaldi" (Olivier). De Groot and His Orchestra, "For Ever and For Ever" (Fosti). International Novelty Orchestra, "I Love You Truly" (Bond).

6.48: String Orchestra, (a) "The Midshipmite," (b) "Heather," (c) "Village Dance" from "The Squirrel Album" (Brown). Cedric Sharpe Sextet, "Intermezzo" (Coleridge-Taylor).

6.55: Marek Weber and His Orchestra, "Siren Magic" Waltz (Waldteufel).

7.0: News and reports.

7.30: Talk, W.E.A. Session, R. A. Falla, M.A., "Ways of Wild Birds—Birds as Home-builders."

Concert Programme.

8.0: Relay from Town Hall of the Royal Auckland Choir's Concert, conducted by Dr. Thomas. The Choir, "Austrian National Anthem" (Haydn). Part Song, the Choir, "To Arms" (Maunder). Auckland Girls' Brass Band, (a) March, "Always Ready"; (b) Overture, "Garden of Eden" (both by Barnard). Tenor, A. G. Fogerty, "Drowsy Woods" (Storch). Part Song with Piano Duet, The Choir, "Idylle Mongolienne" (Stevenson). Soprano, Madame Aileen Johns, "Condotta Ell' Era in Ceppi" (Verdi). Quartet, L. Russell, H. M. Fisher, T. White and J. B. Macpherson, "The Rose" (Gade). Part Song, The Choir, "Break, Break, Break" (Brewer). Cornet Duet, Marjorie and Ruby Hodgkins, "We Two." Part Songs, The Choir, (a) "O Sorrow Not" (Truhn); (b) "Northman's Song" (Kueken); (c) "Sweet and Low" (Barnby); (d) "Come, Let Us Join the Roundelay" (Beale). Selection, The Band, (a) "Monastery Garden" (Ketelbey); (b) "Minstral Songs" (Lawrence). Part Song, The Choir, "The Herald" (Elgar). Soprano, Madame Aileen Johns, "Silent Noon" (Vaughan Williams). The Choir, "Summer Lullaby" (Gibson). Part Song, The Choir, "The Sword of Ferrara" (Bullard).

2YA WELLINGTON. 720 kc.
Thursday 26.

10.0: Selected recordings.
10.45: Lecturette, "Cooking."
11.37: Lecturette, Representative Health Department, "Health Hints."
12.0: Lunch music.
2.0: Selected recordings.
3.15: Lecturette, Miss I. F. Meadows. Talk prepared by the Home Science Ex-

tension Department of the Otago University.

3.30 and 4.30: Sports results.

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

Dinner Music.

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

6.16: Columbia Symphony Orchestra, "Idillo" (Lack). Albert W. Ketelbey's Concert Orchestra, "Cockney Suite": (1) "A State Procession"; (2) "The Cockney Lover" (Ketelbey). "Cockney Suite": (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.

7.30: W.E.A. Session: Professor W. H. Gould, "Development and Education—The Nature of Development."

Concert Programme.

8.0: Recording, Regimental Band of H.M. Grenadier Guards, "Martial Moments" (arr. Winter).

8.8: Choral, Orpheus Musical Society, "Anvil Chorus" (Verdi). Soloist: Christina Young.

8.14: Instrumental, Salon Orchestra (Conductor, M. T. Dixon), "Coppelia Ballet" (Delibes).

8.24: Tenor, R. J. Maunder, "All Hail Thou Dwelling" (Gounod).

Duet, R. J. Maunder and C. W. Clift, "Watchman, What of the Night" (Sergeant).

8.30: Recording (Humour), Chas. Penrose and Kaye Connor, "The Laughing Policeman Up-to-Date" (Grey).

8.36: Choral, Orpheus Musical Society, (a) "Persian March" (Sullivan); (b) "O Who Will O'er the Downs" (Pearson).

8.42: Selection, Salon Orchestra, "Kalinka" (Friml).

8.52: Recording (Sketch), Gertrude Lawrence and Noel Coward, "Private Lives" (Coward).

9.0: Weather report and notices.

9.2: Choral, Orpheus Musical Society, (a) "Chorus of Cigarette Girls" (Bizet); (b) "Soldiers' Chorus" (Verdi).

9.8: Instrumental, Salon Orchestra, "Ballad Memories" (arr. Baynes).

9.18: Bass, Harrison Cook, "The Recruit" (Longstaffe).

9.24: Recording (Piano-accordeon), Toni Lucassi, (a) "Blaze Away"; (b) "Under the Double Eagle."

9.30: Contralto, Christina Young, "Softly Awakes My Heart" (Saint-Saens). Duet, Christina Young and Harrison Cook, "Carim Carmalla" (Traditional).

9.36: Suite, Salon Orchestra, "Ukrainian Suite" (Rubinstein, arr. Morena).

9.46: Choral, Orpheus Musical Society, "Barcarolle" (Offenbach).

9.52: Instrumental, Salon Orchestra, Dance Novellies.

3YA CHRISTCHURCH. 980 kc.
Thursday 26.

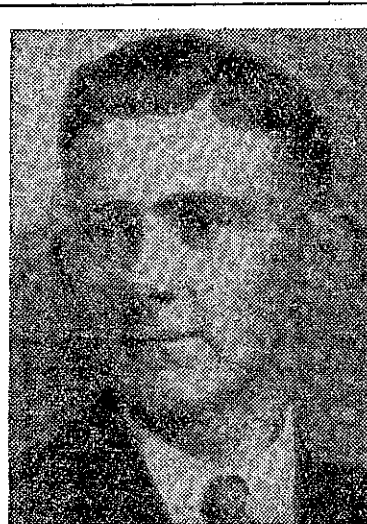
3.0: Gramophone recital.

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

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

Dinner Music.

6.0: Berlin State Opera House Orchestra, "The Barber of Seville" Overture (Rossini). Dajos Bela Orchestra, "Woodland Peace" (Favilla). Opera Comique Orchestra, "Gopak" (Moussorgsky). Dajos Bela Orchestra, "Roses of the South"—Waltz (Strauss).



Eric Bell,

who will play Chopin's well-known "Raindrop Prelude" as a piano solo from 1YA on May 25.

—S. P. Andrew, photo.

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

6.39: Berlin State Opera House Orchestra, "Aida—Selection" (Verdi). Grand Symphony Orchestra, "Hungarian Dances—Nos. 5 and 6" (Brahms). Dajos Bela Orchestra, "The Court Ball" (Lanner).

6.55: "Vienna Bon Bons" Waltz (Strauss).

7.0: News and reports.

7.20: Talk, Norton Francis, "Farm Economies."

Concert Programme of Recordings.

8.0: Band of H.M. Grenadier Guards, "Wembley Military Tattoo."

8.8: Comedienne, Gracie Fields and Children's Chorus, "Fall in and Follow the Band" (Leon).

8.11: Organ, Quentin M. Maclean, "Organ Medley of Song Hits."

Tenor, with piano, Derickson and Brown, "Oh! Rosalita" (Llossas).

8.19: Kolomoku's Honoluluans, "Southern Melodies Waltz."

8.27: Duet, Layton and Johnstone, "When You Were the Blossom of Buttercup Lane" (Meyer).

8.30: Violin, Master Yehudi Menuhin, "Prayer" (Handel, arr. Fleisch).

8.34: Soprano, Dusolina Giannini, (a)

"My Lovely Celia" (Wilson); (b) "Love Has Eyes" (Bishop).

8.40: Mandoline Orchestra, "Echoes of the Volga" (Ritter).

8.48: Humour, Gillie Potter, "Mr. Potter's Sporting Broadcast" (Potter).

8.54: Instrumental, J. H. Squire's Celeste Octet, "Operatica" (Squire).

9.2: Weather report and notices.

9.4: International Talk, by Dr. C. Coleridge Farr, F.R.S., "Science and World Civilisation."

9.19: Band, Queen's Own Highlanders, "Scottish Command Tattoo" (arr. Marshall).

9.22: Covent Garden Chorus and Orchestra, "Pilgrims' Chorus" (Rimsky-Korsakov).

9.26: Cornet, Jack Macintosh, "Facilita" (Hartmann).

9.29: Vocal Duet, Regal Rascals, "Jews Harp Bill" (Powers).

9.32: Harp, John Cockerill, "The Spinning Wheel" (Thomas).

9.35: Waltz, Marimba Band, "Drifting on to Avalon" (Rich).

9.38: Duet, Carson Sisters, "Without That Gal" (Donaldson).

9.41: Organ, Sandy Macpherson, "The Monk's Dream" (Holmes).

9.44: Ballet music, Berlin State Orchestra, "Samson and Delilah" (Saint-Saens).

9.50: Descriptive Sketch, The Roosters, "Army Reminiscences"—Route March (Merriman).

9.58: Marching Song, National Military Band, "Three Musketeers" (Benatsky). March, National Military Band, "Lorraine" (Ganne).

Friday
[May 27]

1YA AUCKLAND. 902 kc.
Friday 27.

8.0: Selected recordings and literary selection.

4.30: Sports results.

5.0: Children, by Nod and Aunt Dorothea.

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: Orchestra Mascotte with Dajos Bela, "Whispering of the Flowers" (von Blon). Grand Symphony Orchestra, "Suite Orientale," "The Bajaderes" and "On the Shores of the Ganges"; "The Patrol" and "The Dancers" (Popy).

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 Flower's Dream" (Translaure).

6.47: Grand Symphony Orchestra, "Naïfa—Ballet Intermezzo" (Delibes).

6.51: Dajos Bela Orchestra, "Mosaic" Pot-pourri (Zimmer).

7.0: News and reports.

7.30: Sports talk.

Concert Programme.

8.0: Recording, Sousa's Band, "Riders of the Flag" (Sousa).

8.5: Contralto, Doris Moore, (a) "A Blackbird Singing" (Head); (b) "Cradle Song" (Kreisler).

8.11: Recording, John Henry and Gladys Horridge, "The Harbour Bridge" (Henry).

Jensen
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8.17: Overture, 1YA Chamber Orchestra, under direction Harold Baxter, "Plymouth Hoe" (Ansell).

8.25: Tenor, Roger Errington, (a) "Tom Bowling" (Dibdin); (b) "The Rose of Tralee" (Schneider).

8.31: Recording (organ), Jesse Crawford, (a) "I Get the Blues When it Rains" (Weaver); (b) "I'll Close my Eyes to the Rest of the World" (Friend).

8.37: Contralto, Doris Moore, (a) "Lilacs," (Cadman); (b) "My Heart's Desire" (Clarke).

8.42: Suite, The Orchestra, "Three Mask Dances" (Wood).

8.50: Tenor, Roger Errington, (a) "Beneath Thy Window" (di Capua); (b) "Sigh No More, Ladies" (Stevens).

8.55: Recording (piano), Patricia Rossborough, "The Love Race" Selection.

9.1: Weather forecast and notices.

9.3: Reserved.

9.16: The Orchestra, "Serenade" (Cesek).

9.22: One-act Play, Zoe Bartley Baxter and Company, "The Ace of Cads" (arr. Bartley Baxter).

9.57: Waltz, The Orchestra, "Dance of the Young Men" (Gungl).

2YA WELLINGTON. 720 kc.
Friday 27.

10.0: Selected recordings.
11.12: Lecturette, "Fashions."
12.0: Lunch music.
2.0: Selected recordings.
3.15: Talk, Mrs. H. Huntington, "A Talk to Post Guides."
3.30 and 4.30: Sports results.
5.0: Children, by Tweedledum.

Dinner Music.

6.0: J. H. Squire Celeste Octet, "On Wings of Song" (Mendelssohn). Pavilion Lescant Orchestra, "Pan and the Wood Goblins" (Rothke). Plaza Theatre Orchestra, "The Busy Bee" (Bendix). Organ, Reginald Foort, "The Desert Song" (Romberg). Pavilion Lescant Orchestra, "Clog Dance" (Fetras).

6.15: H.M. Coldstream Guards Band, "Patience" Selection (Sullivan). Marek Weber and His Orchestra, "Rustle of Spring" (Sinding). The Regimental Band of H.M. Grenadier Guards, "Paloma" (Yradier). Dinicu and His Orchestra, "Destiny Waltz" (Baynes).

6.31: Organ, Reginald Foort, "The Riff Song" (Romberg). Jacques Jacob's Ensemble, "Wiener Blut" (Strauss). J. H. Squire Celeste Octet, "Ave Maria" (Bach-Gounod). The Regimental Band of H.M. Grenadier Guards, "Twist and Twirl" (Kottau).

6.44: Jacques Jacob's Ensemble, "Sobre Las Olas" (Over the Waves) (Rosas). Plaza Theatre Orchestra, "My Lady Dainty" (Hesse). Dinicu and His Orchestra, "Adoration" Tango (Bianco).

6.54: Marek Weber and His Orchestra, "My Darling" Waltz (Waldteufel).

7.0: News and reports.

7.40: Lecturette, Dan McKenzie, "The Laws of Rugby Football."

Concert Programme.

8.0: Thirty Minutes of Selected Recordings.

8.30: Tenor, Alfred Walmsley, (a) "So Sweet is She"; (b) "My Little Pretty One" (both arr. Dolmetsch); (c) "The Magic of Thy Presence"; (d) "To Daisies" (both by Quilter).

8.40: Overture, 2YA Orchestrina (Conductor, Signor A. P. Truda), "Mariana" (Wallace).

8.50: Tenor, Alfred Walmsley, (a) "To Enid" (Travers); (b) "Wander Thirst" (Graham); (c) "A Song of



Bertha Rawlinson, Mus. Bac.,

a Christchurch contralto appearing from 3YA on Sunday, May 22.

—Zenith, photo.

Rest" (Hadley); (d) "Thou Art Risen, My Beloved" (Coleridge-Taylor).

9.0: Weather report and notices.

9.2: Selection, 2YA Orchestrina, "Le Contes d'Hoffmann" (Offenbach).

9.12: Tenor, Alfred Walmsley, (a) "The Owl" (Wells); (b) "Didn't it Rain?" (arr. Burleigh); (c) "Far Apart" (Schneider); (d) "Eldorado" (Mallinson).

9.22: Selection, 2YA Orchestrina, "A Day in Paris" (Finck); Foxtrot, "Dancing Time" (Kern).

9.30: Dance programme.

3YA CHRISTCHURCH. 930 kc.
Friday 27.

3.0: Gramophone recital.

4.30: Sports results.

5.0: Children, by Friday.

Dinner Music.

6.0: Herman Finck and His Orchestra, "Melodious Memories" (arr. Finck), Parts 1 and 2. Continental Novelty Orchestra, "Las Lagarteranas" (Foulkes). Sir Henry J. Wood's Symphony Orchestra, "Prelude in C Sharp Minor" (Rachmaninoff, arr. Wood). J. H. Squire Celeste Octet, "The Ant's Antics" (Squire).

6.17: Cordoba Philharmonic Orchestra, "Carnival" (Lucena). Regal Cinema Orchestra, "Viennese Nights" Waltzes Selection (Romberg). Continental Novelty Orchestra, "Los Claveles de Sevilla" (Guerrero).

6.31: Sir Henry Wood's Symphony Orchestra, "Volga Boat Song" (arr. Wood). Cordoba Philharmonic Orchestra, "La Habanera" (Lucena). J. H. Squire Celeste Octet, "The Fly's Courtship" (Squire). Regal Cinema, "Pagliacci" Selection (Leoncavallo).

6.50: Herman Finck and His Orchestra, "Melodious Memories" (arr. Finck), parts 3 and 4.

7.0: News and reports.

7.30: W.B.A. Session, L. C. Webb, M.A., "Political Institutions of New Zealand" (No. 1).

Concert Programme.

8.0: Relay from Civic Theatre of Christchurch Competitions Society "Prize Winners Demonstration Concert."

4YA

DUNEDIN.

650 kc.

Friday 27.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children, by Aunt Sheila.

Dinner Music.

6.0: Creatore's Band, "Semiramide—Overture" (Rossini). Organ duet, Mr. and Mrs. Jesse Crawford, "The Moonlight Reminds Me of You" (Kahn). Herman Finck and His Orchestra, "Gaiety Echoes" (Monckton).

6.19: Columbia Symphony Orchestra, "Selection from 'Faust'" (Gounod). Organ, G. T. Pattman, "Cherie"—Waltz (Valentine). Philadelphia Symphony Orchestra, "Carmen—March of the Smugglers" (Bizet).

6.34: J. H. Squire Celeste Octet, "Everybody's Melodies" (arr. J. H. Squire). De Groot and His Orchestra, "Only For You" (Strong). The Band of the Garde Republicaine of France, "Carmen—Entr'acte" (Bizet).

6.51: Organ, G. T. Pattman, "Worryin' Waltz" (Faiman). Philadelphia Symphony Orchestra, "Carmen—Soldiers Changing the Guard" (Bizet).

7.0: News and reports.

7.30: W.A.B.A. Session: Lloyd Ross, M.A., "A Guide Through the Depression"; The National Problem.

Concert Programme.

8.0: Recording, London Theatre Orchestra, "The New Moon" (Romberg).

8.8: Soprano, Ruby A. Price, (a) "Sing, Joyous Bird" (Phillips); (b) "Beyond the Dawn" (Sanderson).

8.14: Selection, Mons. de Rose and His Octet, "Babes in Toyland" (Herbert).

8.24: Humour, Miss E. M. Hollands, "The Cleanen o' the Clock."

8.32: Recording, London Male Voice Octet, (a) "Simple Simon"; (b) "There Was a Crooked Man" (both arr. Hughes); (c) "The Keys of Heaven" (arr. Button).

8.39: Novelty Suite, The Octet, "Yankiana" (Thurban).

8.48: Baritone, W. Ruffell, (a) "Funiculi Funicula" (Denza); (b) "Love's Old Sweet Song" (McIlroy).

8.55: Recording (Xylophone), Rudy Starita, (a) "Lonesome Little Doll" (Bouteije); (b) "Ragamuffin" (Greer).

9.0: Weather report and notices.

9.2: Selection, The Octet, "The Fortune Teller" (Herbert).

9.12: Recording, Canary Solo, "The Golden Bird."

9.18: Soprano, Ruby A. Price, "Golden Dancing Days" (Clark).

9.21: Selection, The Octet, "Sanderson's Popular Songs" (arr. Baynes).

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9.34: Humour, Miss E. M. Holland, "Mrs. Arris Has a Day Out and Goes to a Dog Show" (Poultney).
9.42: Baritone, W. Ruffell, (a) "The Deathless Army" (Trotters); (b) "Lassie o' Mine" (Watt).
9.48: Selection, The Octet, "Hear, Hear" (Moreno).

Saturday [May 28]

1YA AUCKLAND. 902 k.c.
Saturday 28.

2.45: Relay of description of Rugby Football Match from Eden Park.
4.55: Sports results.
5.0: Children, by "Cinderella."

Dinner Music.

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

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

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

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

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

7.0: News and reports.
7.40: Talk, W. E. Priestley, "Modern Ballroom Dancing."

Concert Programme.

8.0: Recording (Overture), Wm. Mengelberg and His Concert Orchestra, "Anacreon" (Cherubini).

8.13: Bass-baritone, Arthur Wright, (a) "Like Stars Above" (Squire); (b) "Haere Tonu" (Horne).

8.19: Trio, Barry Ingall's Hawaiians, (a) "Bright Moon" (Roberts); (b) "Honolulu March" (Awai); (c) "Coral Sands of My Hawaii" (Heagney).

8.27: Novelty, Black-Bennetto Duo, "Pierrot Phantasy."

8.35: Piano-Accordion, L. Zanderigo, (a) "Lost Hope" (Morelli); (b) "Maria Mari" (di Capua).

8.41: Recording, A. and P. Gypsies, "The Beggar" (Kahal).

8.44: Soprano, Chrissie Foster, (a) "Kentucky Babe" (Geibel); (b) "The Man Who Brings the Sunshine" (Cooper).

8.49: Trombone, Phil Jury, (a) "Toreador Song" (arr. Tobany); (b) "Asleep in the Deep" (Petre).

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

9.1: Weather forecast and notices.
9.3: Talk, J. C. Brougham, "War-Time Spies."

9.18: Trio, Barry Ingall's Hawaiians, (a) "Sweet Hawaiian Girl of Mine" (Percy); (b) "Aloha March"; (c) Tell Me and Smile" (both arr. Ingall).

9.23: Bass-baritone, Arthur Wright, "Plymouth Hoe" (Lennard).

9.29: Recording, Russian Salon Orchestra, "Mischief."

9.32: Novelty, Black-Bennetto Duo, "Pierrot Phantasy."

9.37: Piano-Accordion, L. Zanderigo, (a) "Miserere" (Verdi); (b) "Primo Bacio" (Iona).

9.42: Soprano, Chrissie Foster, (a) "The Second Minuet" (Besly); (b) "Peter Pan" (Henderson).



William Ruffell,
who will contribute baritone
solos to 4YA's light variety
concert on May 27.
—Zenith, photo.

9.47: Trombone, Phil Jury, "Laughing Trombone" (Clark).

9.51: Recording (Vocal Gems), Light Opera Company, "Floradora" (Stuart).

9.59: Sports summary.
10.10: Dance programme.

2YA WELLINGTON. 720 kc.
Saturday 28.

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

5.0: Children, by Aunt Milly and Uncle Jasper.

Dinner Music.

6.0: Herman Finck and His Orchestra, "Waldteufel Memories" (arr. Finck). Plaza Theatre Orchestra, "A la Gavotte" (Finck). Columbia Symphony Orchestra, "Badinage" (Herbert). Cleveland Symphony Orchestra, "Shepherd's Hey"—A Morris Dance.

6.15: J. H. Squire Celeste Octet, "Scene de Ballet" (de Beriot, arr. Sear). National Military Band, "Lohengrin" Prelude (Wagner). Orchestra Symphonique de Paris, "L'Arlesienne Suite—Intermezzo" (Bizet). Brunswick Concert Orchestra, "Sylvia" (Speaks). Sandor Joszi Orchestra, "An Eastern Wedding" (Prychistal).

6.32: Pavilion Lescant Tango Orchestra, "In a Little Cafe" Tango (Newbach). Plaza Theatre Orchestra, "Minuet" (Finck). Columbia Symphony Orchestra, "Al Fresco" (Herbert). Brunswick Concert Orchestra, "The Perfect Song" (Breill). Sandor Joszi Orchestra, "The Hobgoblin's Story" (Brecht).

6.47: J. H. Squire Celeste Octet, "Second Movement from 'Symphony

Pathetique" (Tchaikowsky, arr. Robertson). 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 Gezy and His Orchestra, "Pardon, My Lady" Tango (Jager).

7.0: News and reports.

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

Concert Programme.

8.0: Recording, Jack Hylton and Orchestra, "Shamrock Lane" (arr. Williams).

8.3: Mezzo-soprano, Mrs. Ellen Crawford, (a) "I Don't Suppose" (Trotters); (b) "Wondering Why" (Clark).

8.14: Fantasia, Salon Orchestra (Conductor, M. T. Dixon), "A Night in Venice" (Strauss).

8.24: Duologue, Chewing and Lissen, "The Talkative Pair" (Watchman).

8.32: Baritone, T. C. Wood, (a) "Dashing Away with a Smoothing Iron" (arr. Sharp); (b) "Widdicombe Fa" (Folk Song).

8.38: Suite, Salon Orchestra, "Suite of Three Light Pieces" (Fletcher).

8.48: Mezzo-soprano, Mrs. Ellen Crawford, (a) "Darling" (Lohr); (b) "A String of Pearls" (Phillips).

8.54: Recording (banjo), Ernest Jones, (a) "The Kilties—Characteristic"; (b) "Return of the Regiment" (both by Grimshaw).

9.0: Weather report and notices.

9.2: Selection, Salon Orchestra, "Sybil" (Jacobi).

9.12: Baritone, T. C. Wood, (a) "Stone-cracker John" (Coates); (b) "The Blue Dragoon" (Russell).

9.18: Recording (accordion), E. Jahr, (a) "Thoughts at Twilight"; (b) "Sailor's Waltz."

9.24: Duologue, Chewing and Lissen, "The Talkative Pair" (Watchman).

9.32: Violin, with Orchestra, W. Haydock, "Reverie" (Vieuxtemps).

9.42: Recording, Brunswick Artists, "The Merry-makers' Carnival" (Granier).

9.50: Instrumental, Salon Orchestra, "Valse Ballet" (Granier).

10.0: Sporting summary.
10.10: Dance programme.

3YA CHRISTCHURCH. 980 kc.
Saturday 28.

3.0: Gramophone recital.

4.30: Sports results.
5.0: Children, by Aunt Pat.

Dinner Music.

6.0: Victor Olof Salon Orchestra, "Grieg Selection" (arr. Urbach). Dajos Bela Orchestra, "Kaiser Waltz" (Strauss). Frank Westfield's Orchestra, "The Belle of New York" Selection (Kerker).

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

6.35: Edith Lorand Orchestra, "Tales of Hoffman" Fantasia (Offenbach). Dajos Bela Orchestra, "Narcissus" (Nevin).

6.44: Frank Westfield's Orchestra, "Lilac Time" Selection (Schubert-Berte). Pavilion Lescant Orchestra, "Drink, Brother, Drink" Waltz (Bendix). Grand Symphony Orchestra, "Japanese Lantern Dance" (Yoshitomo).

7.0: News and reports.
7.30: Sports results.

Concert Programme.

- 8.0: Selection, Christchurch Salon Orchestra, "Country Girl" (Monckton).
 8.11: Recording, Pantomime Company, "Dick Whittington" (Arthurs).
 8.23: Piano Improvisation, S. G. Hoskins, "Wraps Odium" (Hoskins).
 8.28: Recording (humour), Sandy Macfarlane, "I'm Eighty in the Morning" (Macfarlane).
 8.31: Concertina Duo, Theo and Frances Gunther, (a) "Underneath the Mellow Moon" (Hall); (b) "Memory Lane" (Conrad).
 8.37: Baritone, K. Murray Fountain, (a) "I Love the Moon" (Rubens); (b) "Old Black Joe" (Stephen Foster).
 8.43: Recording (whistling), Margaret McKee, "Spring Song" (Mendelssohn).
 8.46: Song Melodies, Salon Orchestra, "Waiaata Maori" (Hill); "Kamate" (Hikiroa).
 8.53: Recording (contralto), Grace Hayes, "Do You Mean It?" (Lyman).
 8.56: Recording, Arnold Johnson and Orchestra, "Radio Impressions" (Johnson).
 8.59: Recording (banjo), Ernest Jones, "The Kilties" (Grimsbaw).
 9.2: Weather report and notices.
 9.4: Suite, Salon Orchestra, The Jevington Suite, (a) "Jewington Fields"; (b) "On Jevington Down"; (c) "Jevington Jig" (Loughborough).
 9.13: Recording, The Tahiwi, "Aroha" (Te Rangī Pāi).
 9.16: Recording (guitar), Len Ellis, "Souvenirs" (Nicholls).
 9.19: Piano, S. G. Hoskins, "Improvisation on Popular Melody" (Hoskins).
 9.24: Recording, Light Opera Company, Gems from "Rio Rita" (Romberg).
 9.28: Concertina Duo, Theo and Frances Gunther, "Dream Thoughts" (Moss).
 9.32: Baritone, K. Murray Fountain, "Little Town in the Old County Down" (Saunders).
 9.36: Recording (contralto), Marie Morrissey, "When Twilight Comes" (Horne).
 9.39: Recording (whistling), Margaret McKee, "The Call of the Angels" (Walton).
 9.41: Recording (yodelling), Andreany, "Echoes of the Tyrol" (Servan).
 9.44: Salon Orchestra, "Lilac Time" Waltz (Schubert, arr. Clutsam).
 9.52: Recording, Ensemble, "The Merry-makers' Carnival" (Haenschel).
 10.0: Sports summary.
 10.10: Dance programme.

4YA DUNEDIN. 650 kc.
Saturday 28.

- 1.30: Relay. Description of Rugby Football from Carisbrook.
 1.30: Sports results.
 5.0: Children, by Aunt Anita.

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' C'est Madrid" (O'Henry).
 6.16: San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov). De Groot and His Orchestra, "Carmen—Selection" (Bizet).
 6.31: Berlin State Opera Orchestra, "Der Rosenkavalier — Waltz" (R. Strauss). Royal Opera Orchestra, "Prelude 'The Huntress'" from "Sylvia Ballet" (Delibes).
 6.47: Grand Symphony Orchestra, "Japanese Cherry Blossom Festival" (Yoshitomo). Berlin State Opera House Orchestra, "Dance of the Hours" ("La Gioconda") (Ponchielli). Organ, Ed-

ward O'Henry, "Chant Sans Paroles" (Tchaikowsky).

7.0: News and reports.

Concert Programme.

- 8.0: Relay of Programme from 3YA, Christchurch.
 10.0: Sports summary.
 10.10: Dance music.

Questions and Answers

(Continued from page 10.)

crosses the base line. Place the straight edge on "B" at the gauge of wire to be used. The figures on the left denote the number of turns to the inch for this particular gauge of wire. The straight edge is taken through the mark on the base line and at "C" indicates the number of turns and at "D" the length of the winding in inches. This will tell you only the details of the secondary winding. The primary and tickler have to be computed by other methods. For an aerial coil the primary can usually be considered to be one third of the secondary and without any further information the same is true for the primary when used in a split primary circuit or other orthodox circuit with a triode valve. The tickler depends upon the size of the condenser, but, for a .0002, is about the same size as the primary. Smaller and larger sizes require more or less turns respectively. 2. PT2 and S21 are suitable for the "DX Two."

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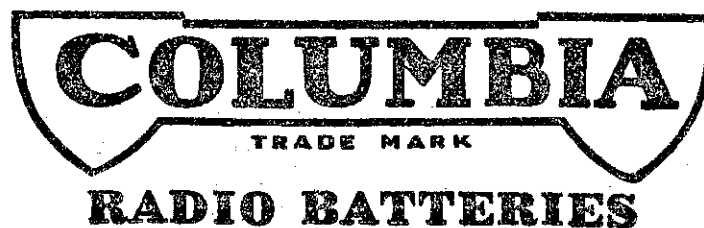


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Some Aspects of Education in the Soviet Union

FOUR talks to be given by Mr. A. Salmond, M.A., of Knox College, Dunedin, at the invitation of the Workers' Education Association.

For readers interested in the subject and desirous of making a fuller study, the following books are recommended:—

1. "Industry and Education in Soviet Russia," by J. G. Crowther.
2. "The Challenge of Russia," Sherwood Eddy.
3. "Educational Policy in Soviet Russia," Huns and Hessen.
4. "Education in Soviet Russia," Scott Nearing.
5. "Russia To-day and Yesterday," Dr. E. J. Dillon.
6. "Humanity Uprooted" and "Red Bread" (2), Maurice Hindus.
7. "The New Russia," Dorothy Thompson.

Questions which might well be kept in mind during the series are:—

1. What is the ideal of education in the Soviet Union?
2. What are the methods which are being used for its attainment?
3. What is the underlying philosophical basis upon which the new education is being built?
4. In what aspects of theory or practice of education could we—(a) Teach

Half-hours with the W.E.A.

Music Lovers' Competition

Closing Date May 31

A GREAT many entries have already come to hand for the Music Lovers' Competition. Others are reminded that the closing date has now been fixed for May 31. By that date all entries must be in the hands of the Editor, "Radio Record," P.O. Box 1032, Wellington. Envelopes should be endorsed "Music Lovers' Competition."

the Soviets? (b) Learn from the Soviets?

The approach to the subject to be made in the first talk on May 17 will deal with education in Russia before the Revolution. A brief review of the attitude of the old Russian State toward the Russian State school system will bring out the Tzarist theory of education, and will indicate to some extent what steps were taken to educate the class destined for State service. Commencing with the measures of Empress Catherine in 1774, the broad out-

lines of progress will be traced up to the work of the Duma in 1917.

The second talk will deal with the principles of education in Soviet Russia. As Lenin is almost worshipped in Russia, his conception of education is dominating theory and practice. An attempt will be made to bring out the main stresses.

In the third talk (June 14) the measures which have been taken to meet the tremendous need—the abolition of illiteracy—will be discussed. The school, its subjects of study, its meth-

ods, its relationship with industry and agriculture will be considered here.

In the fourth talk (June 21), what is known as by-education will be explained. Two main elements of by-education—the cinema and the youth movements—will be dealt with and an estimate given of their educational significance.

Ways of Wild Birds

No. 3, Birds as Home Builders.

TO be broadcast by Mr. R. A. Falla, M.A., from 1YA on Thursday, May 26, at 7.30 p.m.

(a) Nest-making is not peculiar to birds, but with them reaches the greatest perfection.

(b) Uses of the nest.

(c) Varieties of nests, with examples from bird life in New Zealand and abroad.

(d) Strange nesting places.

(e) Incubation and care of the young.

W.E.A. Correspondence Course

THE W.E.A., Auckland University district, has introduced a correspondence course dealing with the economic crisis. The course is given to supply a guide through the maze of controversy which is now prevalent, by first surveying the situation as it exists, and then expounding as clearly as possible the main remedies.

Such subjects as "The Economic Machine—Its Reactions to Recent Strains and Stresses," including poverty, money, credit and mass production, and its search for solutions—the gold standard, economic planning, and the "managed" currency, are dealt with.

By joining in the scheme one receives every fortnight typed notes of the lectures and the fee is only five shillings, which entitles him to keep the notes. At the end of each lecture are suggested questions, which one is invited to answer. The scheme can be used by groups for discussion. Twelve such groups have already been formed.

The recent talks on the financial policy and the crisis which were broadcast from 1YA were additional to the course. Application for further particulars should be made to the director of the W.E.A., The Old Grammar School, Auckland.

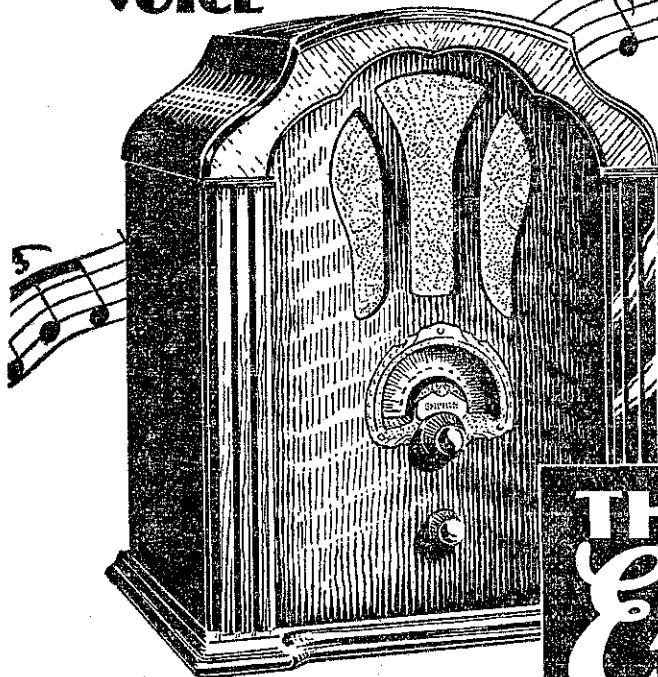
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Short-wave News

Radio Wien, VOR2.

THE experimental station VOR2, Vienna, which operates on 49.4 metres, transmits test programmes on Wednesdays and Fridays from 1 a.m. to 5.30 a.m. and 6.30 a.m. to 8.30 a.m., New Zealand time.

Announcements are made in German, but sometimes reports are asked for in broken French and English. The station directors ask for reports of reception to be sent on postcards to Radio Wien, Johannastrasse 4b, Vienna. All reports are acknowledged by QSL cards.

N.Z. Short-wave Club Meeting.

The next meeting of the above club will be held in Nimmo's Concert Hall, corner Willis and Bond Streets, Wellington, at 7.30 p.m., on Thursday, May 19. All radio enthusiasts are cordially invited to attend.

Log for Week Ending May 14

DURING the week W2XAD, an old-timer, but seldom heard now, was logged twice during the mornings. OXY, Denmark, a low-powered station in Denmark, was also heard twice. HKD, Republic of Colombia, was just audible through a barrage of static on Tuesday. EAQ, Madrid, apparently runs a session at midday here, receivable at good volume.

RV15, Siberia, 70.1 metres: Volume good each evening, but too much static. HVJ, Vatican City, 50.26 metres: Only heard on Tuesday; not up early enough other mornings; was R9 with slight static.

HKD, Barranquilla, 50.5 metres: Tuesday, 3.45 p.m., R8 with orchestra. Foreign and English talk heard, with the call HKD. I held them till 4.10 p.m., but static was too bad. This station is listed as 49.6 metres, but often changes its wavelength.

RV50, Moscow, 50 metres: Each morning till 8.30 a.m. from R8-9.

ZL2ZX, Wellington, 49.5 metres: Monday, Wednesday, Thursday and Saturday from 7 p.m.

W3XAL, Boundbrook, 49.18 metres: Till 4.30 p.m. each day, reaching R9 by 4 p.m., sometimes before.

F3ICD, Saigon, 49 metres: R8 from 11 p.m. every evening.

W3XK, Pittsburgh, 48.86 metres: Sunday till 5.12 p.m. with messages to the Far North, also to missionaries in various parts of the world, India, China, Egypt, etc. Volume R8-9 for over an hour. Wednesday and Thursday till about 4 p.m.

W2XAF, Schenectady, 31.48 metres: Audible most days from soon after mid-

day, reaching maximum, about R8-9, by 2.30 p.m.

Zeesen, Germany, 31.38 metres: Very good at R9 from before 7 a.m., getting weak and noisy by 8.30 a.m.

W1XAZ, Springfield, 31.35 metres: Monday from 10.30 p.m., excellent at R9 to R8 by 11 p.m. Varies a lot in the afternoon, Monday being very poor, R2 at 2.30 p.m. to R4 at 3.30 p.m. Wednesday was the best day, volume being R8 at 2.30 p.m., reaching R9 by 3.30 p.m., when music from the "Show Boat," Boston, was broadcast.

VK2ME, Sydney, 31.28 metres: 2ME was late in starting on Sunday. At 6.30 p.m. they were R9 with a slow fade, going off in volume after 7 p.m.

EAQ, Madrid, 30.4 metres: Wednesday, R5 from 12 noon till 12.3 p.m.; very gushy. Thursday was much better, being R7 at 12.30 p.m., reaching R8-9 soon after. The programme continued with musical items till 1.30 p.m., when, after announcement, a march was played, and the station closed down. The call, EAQ, is pronounced "Ay Ah Coo." English was not heard during this transmission. They were quite good again on Saturday during the same period.

29 Metres (about): An interesting programme was heard from an unknown station on Monday morning. I tuned in to hear at 8.1 a.m., our time. "It is thirty-one minutes past nine, and we are going to take you for a tour of Europe, etc." Various places were described, with musical selections between the visits. Volume was R8-9, noisy and gushy. Talk was 75 per cent. readable at first, but rapidly went off. The station went on to duplex telephony at 8.30 a.m.

28.8 Metres (about): On Saturday morning, at 8 a.m., first ringing at R3-4, and later some foreign talk. Could not get a call.

FYA, Paris (Radio Colonial), 25.63 metres: This is about the best of all stations now, coming in at about R9 till closing with the Marseillaise at 10.30 a.m. Wednesday was the most interesting morning, when a "Tour Through France" was made, described in English, being 100 per cent. readable most of the time. This talk concluded with an invitation to visit France, "where a cordial reception awaits you." Reports "concerning this transmission" were asked for.

G5SW, Chelmsford, 25.53 metres: It's a pity a similar report cannot be given of our own station. From 11 p.m. signals are very weak, but not audible on all evenings. The mornings are better, but nothing worth listening to. Volume is fair till closing down at 10.30 a.m., but always too gushy to be understandable.

12RO, Rome, 25.4 metres: This station is keeping on this wavelength for a time, but is not so good as they were on about 43 metres. They are best about 7.45 a.m., going off in volume later.

W2XAD, Schenectady, 19.5 metres: At one time, W2XAD was one of the best received stations here, but not so now. Heard on Monday for the first time for some weeks. 9.5 a.m., "Mothers' Day" talk was heard at R7. Signals faded out soon after. On Tuesday they were just audible at 8 a.m.

REN, Moscow, 45.38 metres: Each morning starts about 6.45 a.m. Usually about R8-9, going off later.

KEJ, Bolinas, 33.27 metres: Relaying a N.B.C. programme on Monday from 4 p.m. to 4.50 p.m.; R8, but very noisy.

VK3ME, Melbourne, 31.55 metres: Wednesday, from 9.30 p.m., R9 with severe fading.

OXY, Denmark, 31.51 metres: Friday, 8 a.m., talk at R2-3, music later; still at the same volume at 9 a.m. Lost soon after. Saturday, same time, about same strength, but gushy.

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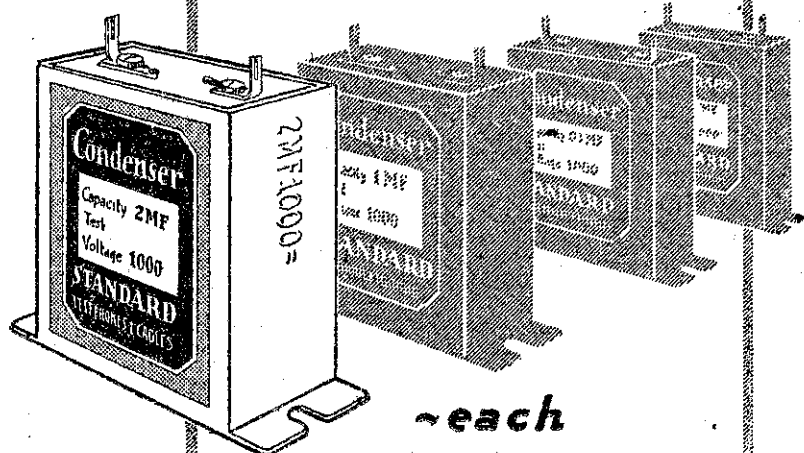
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OF FEMININE INTEREST

By "Patricia"

FOR the past five weeks a most enjoyable half-hour has been spent every Thursday evening listening to the talks of Mr. Von Zedlitz on "The Pleasures of Reading" (2YA). His lecture last Thursday was on "Fiction," and, while speaking of some of the writers of short stories, he paid a great tribute to Katherine Mansfield, whose stories are "full of personality and artistic sincerity, and leave one with a desire to think them over." This tribute from such an authority as Mr. Von Zedlitz would be appreciated by all New Zealanders, and Wellingtonians in particular. Mr. Von Zedlitz's concluding talk will be on Thursday, May 19, and all who are fond of reading should tune-in at 7.30 p.m. The W.E.A. is giving all radio listeners a great service, and it is to be hoped that their restricted sources of income will still enable them to carry on their good work in broadcasting, as all subjects dealt with have without doubt been in very capable hands.

I HAVE listened-in recently to several plays from Australian stations which have been extremely well done, although the pleasure has been somewhat marred by atmospheric conditions; and I would like to see some-

thing similar done in New Zealand, especially excerpts from the works of the great dramatists—old and modern. The absence of this was brought home to me through a visit to "The Playreaders" on Wednesday evening, when I enjoyed most thoroughly "Loyalties," a drama in three acts, by John Galsworthy. This play was first produced in England in 1922 and ran for 400 nights. I think that an occasional reading of a play over the air by "The Play Readers," if they could be induced to do this, would be an acceptable change to the majority of radio listeners.

MISS MADGE THOMAS, of Kirkcaldie and Stains, speaking from 2YA on Friday morning, gave some excellent advice to the housewife. We all spend much of our in the kitchen, so it behoves us to make it as attractive as possible and to see that our utensils are in order and adequate enough for our requirements. Many disabilities in the kitchen and in the home generally are due to an unmethodical mind. In the kitchen, where it is necessary for so much of our work to be done, and the housewife has a justifiable repugnance to this room, let her look round and see what

she can do to brighten it. There are many things that are merely useless ornamentation that could be discarded and replaced by gadgets of utility. There are many useful articles in the wrong place, and very often a rearrangement of the kitchen would result in much labour saving and a more pleasant atmosphere. I never fail to listen to these talks, for although much is obvious, many hints may be gathered which do not occur to one in the busy round. Any in doubt should interview the speaker or write to her, and she would be only too glad to help with her advice.

THE representative of the Department of Health gave his weekly talk from 2YA on Thursday morning, the subject being physical culture and its relation to general health and development of body and mind. The department does not advocate violent exercise, which we all know is not the ideal process for the building of healthy children, nor for that matter adults. Neither was the system advocated which a generation ago made the parade soldier, although many will doubt if there were ever better soldiers than those who underwent such training. The exercise which causes

the gentle working of all muscles, the fairly heavy respiration and easy perspiration are found in brisk walking and even gardening. This is such plain common sense that one would think there was no need in our modern life to be taught this, but still, were it not so the Department of Health would be as unnecessary as the speaker's irritating delivery, which would be better received, as I have remarked before, if given in a more conversational manner.

EVERYONE is familiar with the expression, "Nosey Parker," of which Wellington had an exhibition of Tuesday evening, when the curious and inquisitive rushed to town to see what the rioters were doing, after 2ZW's announcement. The term "Nosey Parker" originated in the days of Queen Elizabeth, when Matthew Parker was her first Archbishop of Canterbury. He had a long and inquisitive nose which gained for him the opprobrious nickname which still survives. This man was a human ferret and was always prying into other people's affairs; but it was during his metropolitan visitation of the Province of Canterbury, in which (Continued on opposite page.)

1ZR Notes

THE first of the midday Auckland community sings for the season was held in the Town Hall on May 4. The Auckland Community Singing Committee has been organised for a number of years and its past success has been due to enthusiasm and knowledge. His Worship the Mayor, Mr. Hutchison, was the chairman, and by the courtesy of J. C. Williamson, members of the Gilbert and Sullivan Opera Company, Marie Bremner and Mr. Bernard Manning, graciously contributed items. The city organist, Mr. Arthur Wilson, played organ numbers suitable to the occasion. The singing could not help going with a swing with Vern Drew as song leader. Altogether the first sing was a very successful one, and the fund for unemployment relief, for which all collections will be set aside this season, should be assisted.

PRIVATE STATION :: PROGRAMMES ::

1ZR Programmes

Friday, May 20.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15: "Mensama"—"Numerology." 5 p.m.: Dinner music. 6: Children's session, Uncle Cam and Fairy Princess. 7: Mr. Bill Hindman, "Sport." 7.30: Relay of community singing from Lewis Bady Hall; song leader, Vernon Drew. 9.10: Mr. Sibbin, Studio Concert.

Saturday, May 21.—10.30 a.m.: Devotional service, Sister Rita. 1.30 p.m.: Close down. 5: Dinner music. 6: Children's session, Polly Plinders and Jack the Giantkiller. 7.15: Mr. W. A. Moore, "An Article from the N.Z. Smallholder."

Sunday, May 22.—9 a.m.: Uncle Tom's children's service. 9.45: Uncle Scrim, conducting the studio church service, with 1ZR Broadcasting Choir, under direction of J. Whitley McElwain. 6 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. 8.30-9.30: Studio standard classics.

Monday, May 23.—10.30 a.m.: Devotional service, Mr. Garner. 11.15: "Macrilander"—"Titbits." 5 p.m.: Dinner music. 6: Children's session, Goldilocks and Hoppy. 7-7.30: Music.

Tuesday, May 24.—10.30 a.m. Devotional service, Uncle Scrim. 11.15: Madame Milne, "Diet and Health." 5 p.m.: Dinner music. 6: Children's session, Aunts Ruth and Nina and Uncle Scrim. 7.15: Mr. A. M. Christolme, "Art in Everyday Life." 8: Programme of standard classics.

Wednesday, May 25.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15: Mr. C. Morris, president of Auckland Primary Schools' Association, "How to Make a Speech." 5 p.m.: Dinner music. 6: Children's session, Miss Muffett. 7.15-8: Rev. Jasper Calder, "Justice and the Wrongdoer."

Thursday, May 26.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15: Mr. Stewart, "Younger Generation." 5 p.m.: Dinner music. 6: Children's session, Wendy. 7.15: Mr. H. R. Rodwell. 8: Vacuum Oil Company's programme. 10-11: Dance session.

2ZW Programmes

2ZW, Wellington, 1120 k.c., 268 m.

Wednesday, May 18.—10.0: Devotional service. 10.15 to 11.45: Women's session. 11.45 to 12.0: Miscellaneous orchestral programme. 7.0: After-dinner music. 7.30: Talk by W. B. Lavelle on "Architecture." 8.0: Tabloid revue

by Ipana Merrymakers. 9 to 10: All-British programme. 10-11: Dance music, including broadcast from Ritz Restaurant.

Thursday.—10.0: Devotional service. 10.15 to 11.45: Special women's session. 11.45 to 2.0: Mixed orchestral programme. 2.30: Orchestral programme. 3.0: Relay from Kirkcaldie and Stains' tearooms. 5.0 to 6.0: Kirkcaldie's children's hour. 7.0: After-dinner music. 8.10: Kirkcaldie's studio concert. 10.11: Dance music.

Saturday.—10.0: Devotional service. 10.15-12.0: Women's sessions. 12.2: Miscellaneous band and orchestral programme. 7-8: After-dinner music. 8-10: Light popular programme. 10-12: Dance session, including relay from Majestic Lounge.

Sunday.—11.0: Devotional service. 6.30: Eventide music. 7.30: Relay of evening service from St. Paul's Pro-Cathedral. 8.0: Concert.

Monday.—10.0: Devotional service. 10.15-11.45: Women's session (as on Wednesday). 11.45 to 2: Miscellaneous orchestral programme. 7.0: After-dinner music. 7.30: Weekly talk to motorists by Mr. Ernest Lewis, managing-director of Rover Motors, Limited. 8.0 to 9.0: The Magic Mazda Lamp. 9.10: Popular programme. 10-11: Dance music, including broadcast from Ritz Restaurant.

Tuesday.—10.0: Devotional service. 10.15-11.0: Women's session. 11.15-12: Miscellaneous orchestral programme. 7.0: After-dinner music. 7.30: "Diet and Health," by Mrs. D. W. Adamson, 8.0 to 9.0: Vacuum Oil Company's programme of old-time melodies. 9-11: Dance programme by 2ZW's full dance orchestra.

Jensen
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ARE SUPERIOR

(Continued from page 24.)

the irregularities and abuses of the reformed ritual were as meticulously examined as were the private lives, conduct, and morals of the parson and parishioner, that the long archiepiscopal nose of Matthew Parker gave him the name that still describes the inquisitive.

IN these days of competition it is essential for a woman to preserve her youth and good looks by avoiding undue fatigue. Many housewives are often victims of fatigue through failing to use their intelligence. A great deal of unnecessary tiredness is caused by using poor and unsuitable tools, or paying too little attention to the conditions under which necessary tasks are performed. Bad light is a frequent cause of eyestrain and fatigue. Furniture is perhaps awkward and inconvenient. Sinks are set either too high or too low; tables are not adjusted in such a way as to avoid unnecessary stooping; ventilation may not be satisfactory. These are details the housewife could have put right in a very short time if she would apply her mind to the solution of her difficulties. She can almost invariably make some improvement by arranging her work more systematically, seeing that the conditions are more perfect, and devoting her leisure moments to real rest.

THE poise of a hat is much influenced by the height of the coat collar, and as long as furs are necessary, hats will fit closely to the head, and black with white trimmings is voted the smartest selection.

FOR evening there are innumerable ways of wearing the scarf, some of which are cut corner-wise and form a cape. The scarf mode, which developed into a shawl, graced the Court of Josephine, who practised many winsome ways with her embroidered "wisps" of fabric. All manner of capes and scarves are changing the appearance of our evening dresses.

FABRICS this year are a very important part in deciding the uses of a frock. Silk jersey is likely to become a favourite, as it is seen to advantage for evening wear, as well as for daytime ensembles. There is rather a craze just now to use similar fabrics by night as by day. Possibly this is a movement for economy, also there are so many informal ways of entertaining, where rich fabrics would be somewhat out of place.

A MOTION-WIDE scheme to bring relief to the lives of working-class women is one of the aims of Mrs. Margaret Towers, the Lancashire authoress, who is chairman of the new Southport Sunshine Guild of the "Chronicle" Cinderella Fund. Mrs. Towers knows the seamy side of life better than most people. She is one of the busiest voluntary workers in Southport and is particularly interested in matters relating to the welfare of women and children. With it all she finds time to maintain her distinction as an authoress, and her recently published book of verse, "Clay—Upon Mine Eyes," has made a deep impression by its fierce commentary upon vices and wrongs. Musician, sculptor, psychologist, dramatist, actress—Mrs. Towers is or has been active in all these directions. She is also the authoress of a striking essay upon Epstein's "Genesis." South-

port is said to be a town of lazy butter-fies, but this is not so. In Wellington we have a resident who hails from Southport, and listeners-in to 2YA know how clever and versatile he is.

ISN'T it remarkable how keen we all are on the subject of beauty culture? We would all like to be beautiful, but as that is a gift of the gods to a favoured few it behoves us to do what we can to make the best of our very ordinary selves. As Miss Meadows in a talk from 2YA said, "To have a well-groomed appearance is half the battle," and really with a little care that should not be difficult. This striving after beauty of person has become a "cult," and since the war establishments for this purpose have sprung up like mushroom in almost every part of the globe. How different was the time not much more than a hundred years ago when a Bill was introduced into Parliament in England which provided:—

Hints for the Housewife

FRESH orange peel is good for restoring black shoes that do not look very smart. Rub well with the inside of the peel and polish with a soft cloth.

EXCELLENT rubber bands can be made from the distused inner tubes of pneumatic tires. A steel rule should be held against the tube in order to ensure a clean cut when it is severed by means of a sharp knife, or, better still, an old razor blade. Bands made in this way from the inner tubes of cars, motor-cycles or even cycles are found to be surprisingly strong and can be used for many purposes.

HAM for boiling will have a better flavour if vinegar and a few cloves are added to the water. Reckon about a teacupful of vinegar to a gallon of water.

WHITE paintwork can be given a rich gloss if, after being cleaned in the usual way, it is wiped over finally with a cloth wrung out in starch water.

IF fruit stains on linen tablecloths are covered immediately with powdered starch they will disappear. If the stain is not fresh, rub it with glycerine, leave it for an hour, and then stretch the affected part over a basin and pour boiling water through.

LINEN may be speedily marked through a copper plate in which the name has been cut in any one of a large variety of types. To brush over the plate, leaving a perfect impression, takes only two or three seconds.

IN laying an Indian carpet take care to do it so that the pile will be brushed toward the door. The "handy man" who has no special knowledge of carpets overlooks this matter and is afterward disappointed with the wearing qualities of the carpet.

THE addition of a little starch to the water in which glassware is washed gives the glass a good and lasting polish.

That all women of whatever age, rank, profession or degree, whether virgins, maids or widows, that shall impose upon, seduce and betray into matrimony any of his Majesty's subjects, by the scents, paints, cosmetic washes, artificial teeth, false hair, Spanish wool, iron stays, hoops, high-heeled shoes, bolstered hips, shall incur the penalty of the law in force against witchcraft and like misdemeanours, and that the marriage, upon conviction, shall stand null and void.

WHILE on the subject of beauty, what about our dainty lingerie? Are we not lucky to have escaped from the clumsy garments of our grandmother's day? I suppose it is the passing from the linen era to the age of silk that has had such an extraordinary effect on the social code in regard to the references to lingerie. When these intimate garments were made of linen or cotton, even to mention them savoured of impropriety; now that silky gossamer-like fabrics

are used they may be referred to without shocking the most conventionally minded. Fancy our grandmothers speaking of cami-knickers, cami-bocker or panties; yet these are the lingerie vogue to-day, with nightie-jamas as one of the variations of the night-garb. It is, however, necessary to keep a careful watch on the vocabulary of the outfitting departments for new words that proclaim the latest shape and style, for, to quote the words of a mere man, "This lingerie lingo is really getting beyond me."

A NEW industry—mouse breeding—has been adopted by large numbers of women all over England, the skins to be used for making purses, which I hear are becoming very popular. They are supposed to bring luck to their owners, particularly if they are made of black ones.

One woman, living near London, owns over 1500 mice of delicate colourings and beautiful markings. Some of her pets are to be exhibited in a big mouse show at St. Albans, when more than a thousand mice are to compete for prizes. The champion will receive a special prize of £20, and there are 20 challenge trophies to be won. Verily, the times are changing!

MR. WINGROVE, of the Tail-Waggers' Club recently gave a talk from 2YA, which must have interested as well as amused all dog-lovers. This organisation, which is run without profit, looks after lost dogs, finds their owners, or otherwise a good home, gives advice on the buying of a dog, in case the intending purchaser may be "sold a pup," and arranges for accommodation which, don't forget when you are off for your annual holiday; and see to it that Towzer has a good home. The Tail-Waggers' badge is "crossed tails," and their motto, "I help my pals." Dogs only are members of the club, but the owner is his sponsor, and any member lost anywhere in New Zealand has a great chance of being found, either by his badge, or through the co-operation of the newspapers and the police. Success to the Tail-Waggers' Club.

MISS WILKINSON has been giving a series of interesting talks from 2YA to lovers of the terpsichorean art, which I am sure would help them considerably with the new steps. To-day women at home are wondering if "The Tilt," a new dance, will be the rage at the balls being planned for May or June. It is a spirited dance, and men as well as women are fascinated by its rhythm. The time is that of the old-fashioned polka or barn dance, syncretized. I am told this dance is "symbolical of the new age" and expresses the fact that we move in a more complicated way.

THE Free Kindergarten is occupying the thoughts and time of many women in this country to-day, and those who have paid a visit to any one of these branches will come away with the knowledge that much is being done to brighten the lives of these poor little nites, whose homes in many cases are drab and neglected. It will perhaps interest readers to know that the 150th anniversary of Friedrich Froebel, the founder of this system of play-education for young children, is shortly to be celebrated throughout Germany. The house where he set up his first kindergarten is in the village of Blankenburg in Thuringia.

MAHOGANY furniture which has become sticky through the application of too much polish (and this often happens) should be washed with cold tea. Dry thoroughly, and polish with a duster.

WHEN putting tape or elastic through fragile materials such as chiffon, crepe de chine and georgette, of which the threads are likely to pull easily, it is better to use a closed safety-pin than a bodkin, for the pin is so rounded at the ends that it will slip through the hem without the slightest danger of damage. Place the pin through the elastic before closing it.

ONIONS should be served frequently in cold weather, to prevent colds. Skin and parboil several large onions, take out the centres and stuff with minced meat, well seasoned. Replace the centres, tying the onions if necessary. Bake for an hour or longer in a little dripping and stock, basting frequently. Thicken stock for gravy.

MATCHES of the non-safety type should always be stored in a tin box, especially if the house is being left for any period. If mice get into the cupboard where the matches are and gnaw at the box there is a risk of its catching fire.

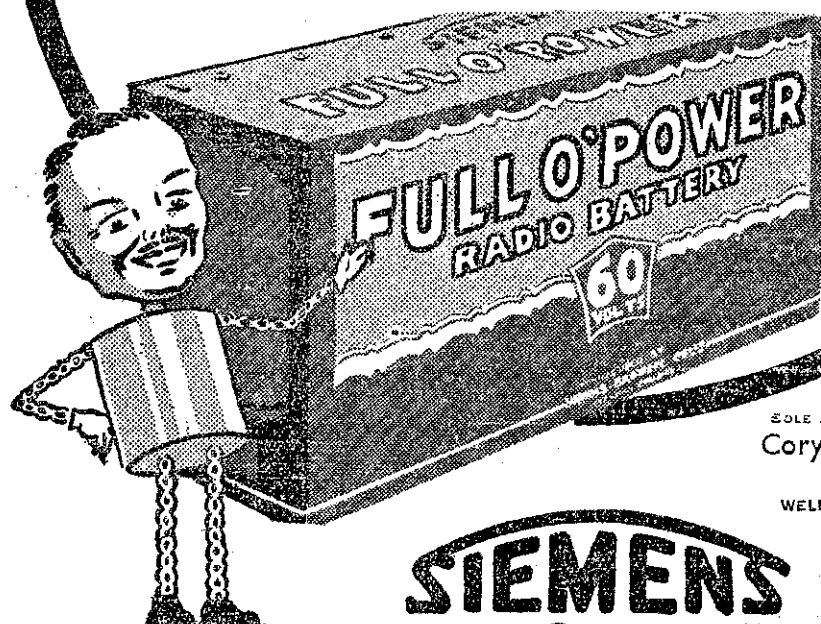
THAT soiled raincoat can be made quite fresh by rubbing it gently with a flannel dipped in heated common salt. Throw away the salt as it becomes grimy.

AN excellent emergency substitute for silver polish is a mixture of powdered chalk and soap powder mixed to a paste with cold water. Use three parts of chalk to one part of soap; apply with a soft flannel and polish with a leather or soft duster.

MARKS and greasy stains can be removed from wallpaper by the application of pipeclay. Mix the pipeclay and water into a paste and apply it to the mark. Let it stay on overnight, and remove it with a knife or brush.

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