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THE RADIO RECORD

AND

HOME JOURNAL

Vol. V., No. 19.

WELLINGTON, FRIDAY, NOVEMBER 20, 1931.

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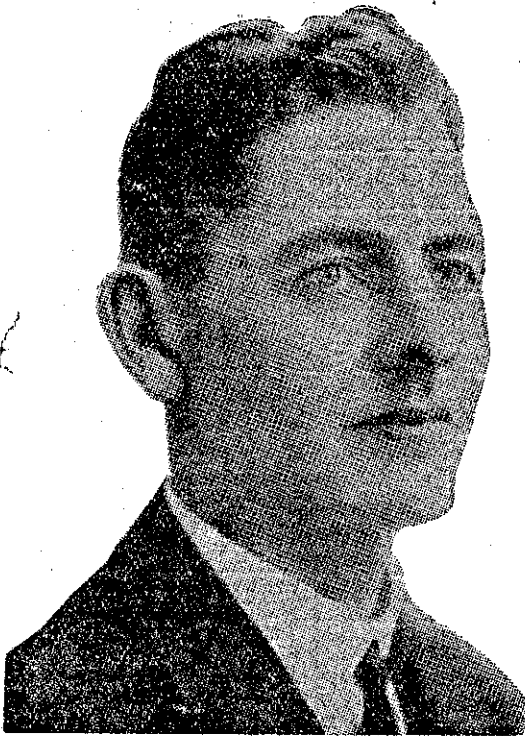
The New Zealand
Radio Record
—AND—
Home Journal

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AVAILABLE AT ALL
DEALERS.

To-day's Outlook in the RADIO TRADE

Mr. E. R. Boucher gives an Authoritative Survey of Trade Conditions in the States



MR. E. R. BOUCHER,

Managing director of Radio, Ltd., who has recently returned from a business visit to U.S.A.

THE most striking and significant impression of my investigation of the conditions of the radio trade in the United States was the tremendous change in feeling of the radio industry as compared with that of my last visit in 1928, stated Mr. E. R. Boucher, managing director of Radio, Ltd., in the course of an interview with the "Radio Record."

In 1928, manufacturers and dealers were proud and happy to be associated with the development of radio. This spirit was acquired mainly through the excellent profits and bright future prospects for the industry.

This year, however, from the smallest manufacturer to the largest there is an atmosphere of tension and worry, and continuous reference to the "good old times" of the past. Most of those interviewed would be pleased indeed to be able to liquidate their assets to-day—if it were possible to do so—and retire from the industry.

As in every industry immediately it becomes profitable a multitude of new manufacturers appear who at the commencement are moderately successful, but when conditions become difficult they are unable to survive, and in their efforts to remain in the trade resort to price-cutting.

This is exactly the position in the United States to-day. Not only has the small manufacturer resorted to reducing prices, but competition between the larger manufacturers is very evident, and we see first-class receivers listed at dollar prices which can only return to the manufacturer approximately 25 per cent. of what these factories received for console receivers two years ago.

It was the object of the set manufacturer during the peak period of the industry to manufacture all the components used in the construction of a receiver. This position has changed, and the set manufacturers find that apparatus manufacturers are also fighting for their existence, and in doing so are quoting prices below the set manufacturers' cost of production, hence many of the large manufacturers are now purchasing component parts from apparatus manufacturers. The same keen competition exists between the manufacturers of apparatus who are endeavouring to remain in production and resort to securing the business at unprofitable prices.

The introduction of the midget has sounded the death-knell of many a manufacturer, and has been a great blow to the largest producers. Logically, from a turnover standpoint, to maintain the same volume of output factories should produce three times the number of receivers to maintain their turnover, but actually the output has decreased in most instances by 50 per cent. and more.

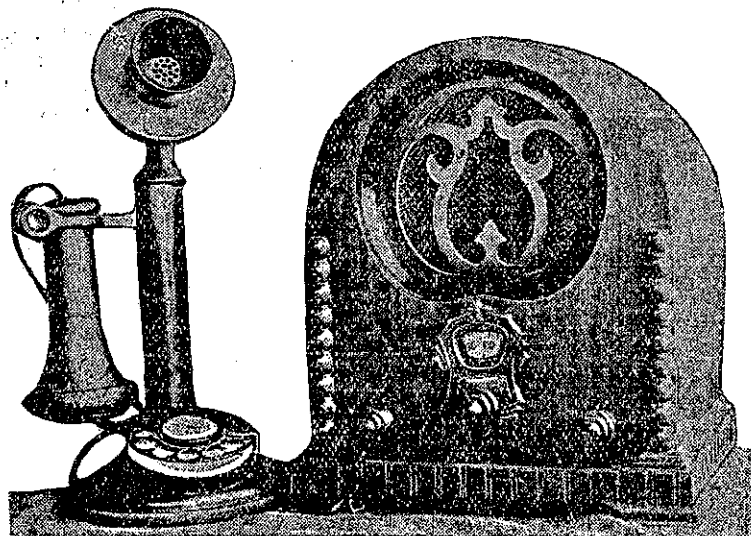
THE difficulty of the larger manufacturers is that during the peak of the industry they invested large sums in buildings and equipment, either borrowing from the banks for that purpose or using up all their available capital and necessitating borrowing from the banks for carrying on.

At that time, of course, it was quite an easy matter for prosperous, large manufacturers to raise capital, but from the time of the collapse of the stock market on Wall Street, banks have refused to further finance these organisations, and have been demanding reduction of overdrafts.

There is more than one instance of the largest and proudest radio manufacturers being operated under the supervision of a bank nominee, not exactly a receiver, but a specialist qualified in the preservation of the bank's interests, and whose sole policy is to endeavour to conserve sufficient assets to cover the bank's liability.

There are, of course, many financially sound organisations, but there are very few showing a worthwhile margin of profit, and very few who would not be pleased to retire from the industry were it possible to get reasonable value for their assets.

I was informed from a reliable source—that one manufacturer who had undertaken expenses (in the way of national advertising, cost of "dies" and equipment for producing a particular model receiver, etc.) based on a certain (Continued on page 2.)



"The introduction of the midget has sounded the death-knell of many a manufacturer . . . Factories should produce three times the number of receivers to maintain their turnover, but actually the output has decreased by 50 per cent. and more."

output for the year, had, from the beginning of September to the end of the year, to produce half a million receivers in order to fulfil the programme and show a margin of profit. If only half that quantity is produced, it would probably mean that the year's operations would result in only a few thousand dollars profit. If the full programme is achieved, the company stands to make a million or more dollars. The general feeling was that the production must fall short of the quota.

Retail Trade Affected.

THE retail trade in America is also suffering considerably, because the accepted method of sale is time-payment, and with a population in the cities largely comprised of those renting flats, extreme care is necessary as considerable losses have been made since the commencement of the depression. This, coupled with the fact that the manufacturer, in order to make lower list prices, has reduced the wholesaler's and dealer's discounts, has left the retailer and dealer wishing he were in some other class of business.

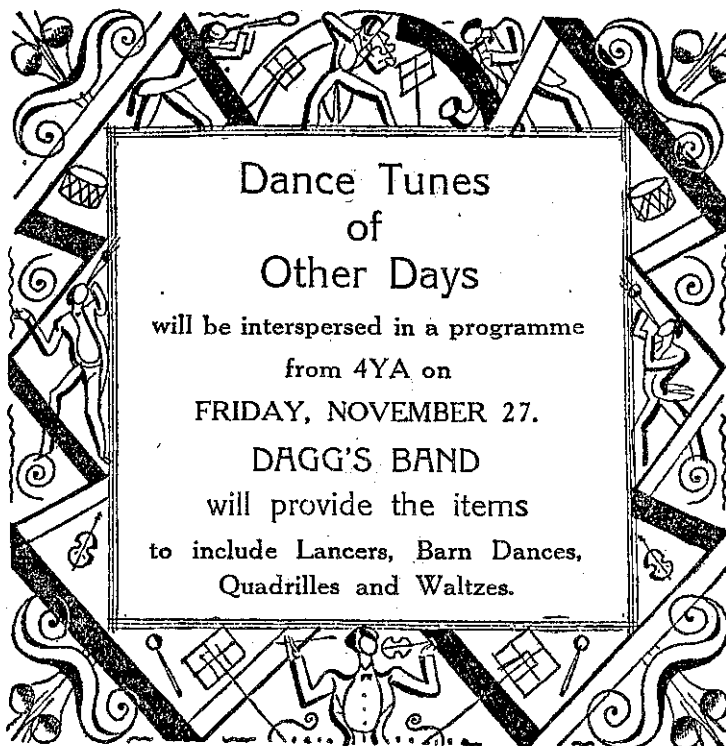
Chain Store Developments.

A RATHER peculiar situation has arisen with the large chain stores and department stores. Previously, these organisations would link up with one of the large manufacturers and distribute throughout their branches the particular line of the manufacturer they linked up with, but with the rise and fall in popularity of radio sets, naturally these organisations found that the goodwill they created one year would be of little or no use to them the next year when that large manufacturer would be superseded by some other manufacturer on the release of the new season's model. The result has been that these chain stores and department houses—some of whom operate 60 and 70 branches—have contracted with the smaller manufacturers for the supply of receivers to their own specification and registered brand.

If that manufacturer fails, no harm is occasioned to the brand which is owned by the department store, and to-day there are quite a number of small manufacturers thriving by producing merely for these organisations.

Conservative Policy Pays.

THREE or four of the oldest and most reliable manufacturers of radio receivers have refused to produce low-priced midgets, and have concentrated their efforts mainly on consoles and high-priced, better-quality mantel-type receivers. They have also refused to meet price reduction, and these organisations, although their sales have decreased, arrange their production so that they manufacture only what can be sold through their fixed distribu-



tions at a margin of profit. These are the only concerns that are really conducting a profitable business.

A great effort is being made in the States to educate the public to a higher standard of receiver. Previously, there was a wild scramble to produce at low cost with resultant service troubles, but now the general tendency is to produce a better quality receiver at a slightly higher price.

It is quite definitely established that the bottom has been reached as far as prices are concerned, and immediately there is a return to prosperity in the United States the first move will be an increase in prices.

Every possible method known to business and science has been operated for the reduction in cost of radio receivers, and it is absolutely impossible to produce a radio receiver constructed under the present and only known principles at a lower price than has been offered during the past year.

Not Desperate, but Difficult.

THE impression may be gained from the foregoing that the radio industry in the United States is in a desperate condition. This is not so, but the industry is passing through a very difficult period, and one which after all should result in the elimination of the weaker and less desirable manufac-

turers and the final result will no doubt prove beneficial. The fierce competition existing has made it necessary for every manufacturer to produce a receiver which is reliable and which possesses a standard of performance much superior to anything manufactured in previous years.

It is thought that although it will take some years to eventuate, the radio industry will settle down more or less on the lines of that of the gramophone industry prior to the introduction of radio. By the elimination of the undesirable and weaker manufacturers, and the combining of the larger organisations, greater production will be secured by the finalists in this marathon contest for survival, and the majority of the business will be enjoyed by four or five large organisations instead of being spread over hundreds as it is to-day.

Important Conclusions.

IN the large American cities on account of the extremely low prices and the small margin of profit left to the dealer, the demonstration of midget receivers is reduced to a minimum. The dealer will demonstrate the machine to a client, but does not leave the set for several days and make several demonstrations, but expects the buyer to arrive at a reasonable quick decision

without many unnecessary demonstrations.

The New Zealand public are to-day purchasing receivers at prices which do not leave an adequate margin to show the dealer a reasonable profit. The dealer in New Zealand receives the same amount of profit as the American dealer, but the American dealer secures from four to ten times the amount of business from the same amount of time and effort.

Finally, a word of warning to those business organisations not at present engaged in the radio trade, and contemplating entering it. Although it is only natural to feel that "distant fields are green," let those who think of entering the radio trade make a thorough and careful investigation before they enter one of the most difficult and trying businesses known to commerce. Those who have concentrated on it for many years, and who should be fully qualified to handle a radio business properly, find the utmost difficulty in maintaining a profitable trade.

New Developments.

CONCERNING fresh developments in circuits, designs, etc., it is generally felt by the largest manufacturers that there is very little scope now for radical changes. The practice of holding a radio show annually for the release of new models is one which is exercising the minds of designers and engineers. The trade and the public have come to look upon the radio show as the opportunity taken by manufacturers to place something entirely new before them which supersedes the previous models.

A few years ago they were confident that a better type of speaker would be developed, and then they produced the dynamic. They were confident that a different type of valve would be evolved which would have an output of 50 per cent. more than the types then existing. Then came the screened grid valve, then the multi-mu and pentode. It has always been acknowledged that the superheterodyne circuit had wonderful possibilities—then came the improved superheterodyne circuit this year.

Radio engineers concede that this seems to have exhausted all possibilities that they can imagine for improvement in radio reception. Any change would have to be of such a radical nature that it would entirely supersede the present principles, and there is nothing looming up on the horizon which would indicate that this is likely. It is consequently felt by leading radio engineers in America that any alterations for some time to come will be merely minor alterations such as we find each year on motor-cars, mostly featured merely for the purpose of releasing a new model.

Television.

CLOSE investigation into the leading television equipment at present on sale did not disclose any apparatus which in its present state of development could be considered as a practicable proposition. Certainly, blurred pictures could be seen, but apart from discerning the outline of an individual, it would not be possible to recognise features.

There is a considerable amount of television equipment sold to the keen amateur who is following the development of television and who experiments and is content with receiving something in the nature of a picture. (Concluded on page 30.)



COLONIAL

No Finer Radio was ever built

A Product of Colonial Radio Corporation, Buffalo, U.S.A.

*At the going down
of the Sun
and in the morning*

**WE WILL
REMEMBER
THEM.**

Armistice Day Ceremony
relayed from
Whitehall, London,
by 2YA

AT about 10.40 p.m. on Wednesday last 2YA relayed through short-wave station G5SW, Chelmsford, England,

the yearly Armistice Day ceremony in Whitehall, London. The broadcast throughout was splendid, and listeners were able to sense much of the reverential atmosphere which surrounds this poignant and impressive service.

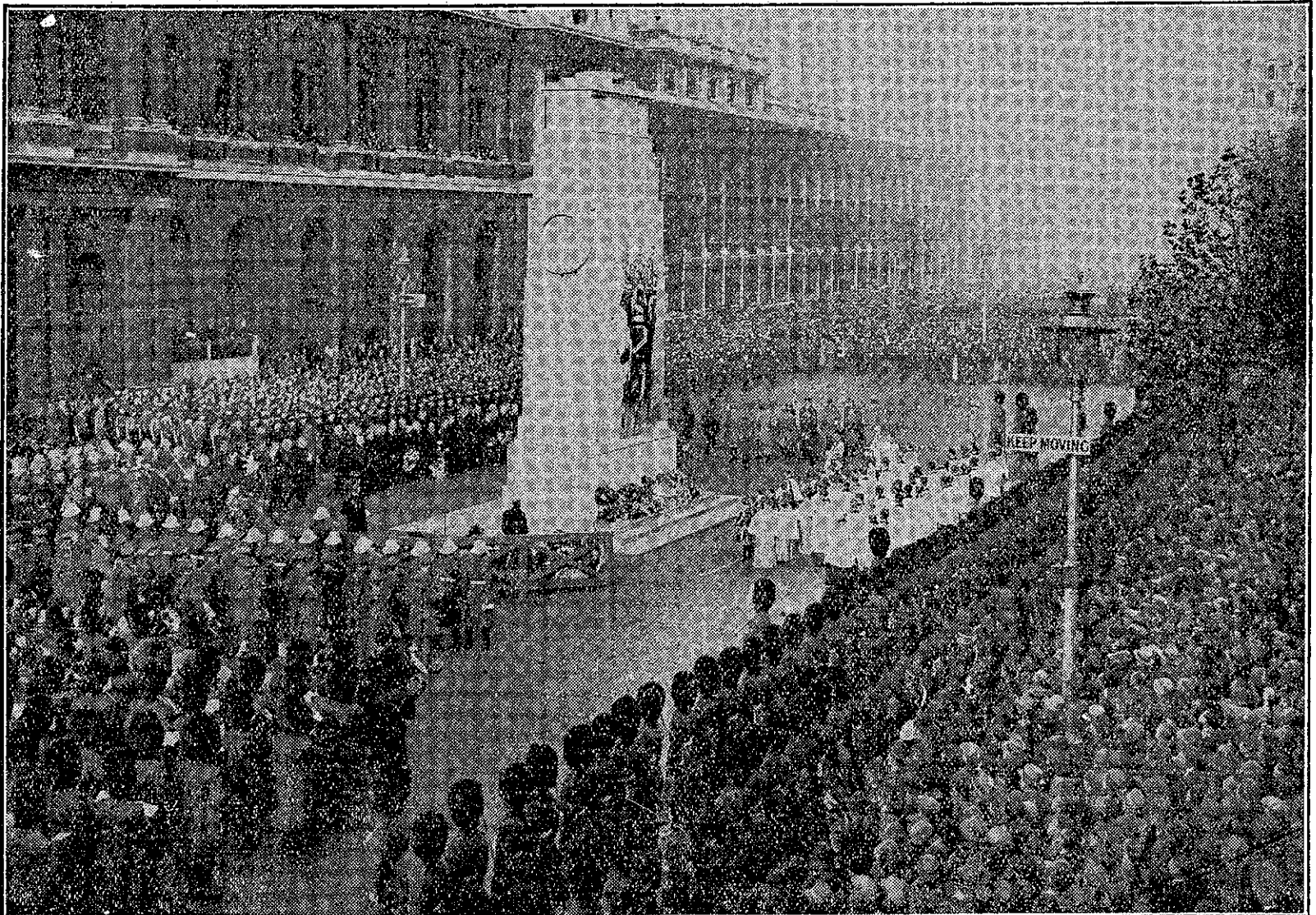
The relay opened to the music of massed bands, with an undercurrent of noise from the immense crowds surrounding the Cenotaph. The clicking of heels and slapping of rifles from the paraded troops in response to rasped orders conveyed something of the pomp and grandeur with which this solemn occasion is invested, while the gruff voice of a policeman controlling foot traffic gave one a glimmering of the huge crowds accommodated in Whitehall.

And then at 11 o'clock the deep-toned voice of Big Ben—a sound which must have sent the thoughts of Englishmen all over the world wandering back to the days before their exile. Clocks throughout New Zealand, too, were striking in unison with their huge companion at the distant ends of the earth, but here it was night.

With the first stroke of Big Ben commenced the Silence, and when the reverberations of the last had died away everything seemed unnaturally still. England was paying homage to her fallen. Then, out of the stillness, sounded the silvery, triumphant notes of the "Last Post," which came over so clearly that the echoes as they were tossed backward and forward among the adjoining buildings could easily be heard.

Following the roar of the assembled thousands singing "O God, Our Help in Ages Past," and the National Anthem, came the Bishop of London's prayer and Benediction. Every word was clear and distinct.

The stirring trumpet notes of the "Reveille," winging across 12,000 miles of oceans and continents, concluded a broadcast for which many listeners, especially those who lost relatives and friends in the Great War, must have been deeply grateful.



Armistice Day Service—The Cenotaph, Whitehall, 1930.

The New Zealand Radio Record

—AND—

Home Journal

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX, 1032, WELLINGTON.

Literary communications should be addressed: "The Editor"; business communications to "The Manager"; technical communications to "The Technical Editor."

Advertisers are asked to note that alterations of advertisements should be in hand Friday of each week for insertion in the succeeding issue, printed Tuesday, bearing Friday's date. No responsibility is accepted for blocks remaining unclaimed three months after last insertion.

Published Weekly. Price 3d. Subscription Post Free in advance, 12s. 6d. per annum.

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

WELLINGTON, FRIDAY, NOVEMBER 20, 1931.

EMPIRE BROADCASTING.

THE most pleasing announcement in the radio world of recent times is the intimation given by the British Broadcasting Corporation that it is about to build a new and powerful short-wave broadcasting station at Daventry, with the object of providing a programme service of practically a continuous character for all parts of the Empire. This conception is not new. It has been mooted, and subjected to severe investigation and discussion, for several years past. The desirability of such a service for linking the Empire together has been admitted. The difficulty has been to determine the allocation of financial responsibility for the maintenance of that service. The point of view of the British Broadcasting Corporation has been that its funds are supplied by listeners throughout Britain for the service that they get. Accordingly the Corporation has not felt itself called upon to undertake out of its funds the provision of a service calculated to serve listeners in distant parts of the Empire. Equally the broadcasting authorities in other parts of the Empire have been mainly concerned with providing their listeners, who provide their funds, with the service that they desire in the matter of local reception. Accordingly no unanimity has been possible in reaching a determination as to the division of costs.

NOW, however, the British Broadcasting Corporation, inspired by the ideal of Empire service, has determined to proceed with its developmental plans and leave the allocation of individual cost to the future. Meantime it will foot the bill, and, as the service is established and its benefits secured to the overseas Dominions, the question of financial responsibility will be reopened and determined.

PLANS as announced provide for the construction of a station estimated to cost £40,000. Building will be proceeded with at once, and provision made for the plant. Several wavelengths will be used in line with experimental data secured, showing which give the best reception under varying conditions in different parts of the Empire.

THE announcement made by the Corporation states that the object of the service will be to give as many listeners as possible in all parts of the Empire a programme from the Home country at hours when it is most convenient for them to listen. The details of the times of operation will depend upon the results of experiments and upon the demand.

THIS is important news for New Zealand in that it presages a future full of pregnant possibilities. On the evening of Armistice Day

listeners to 2YA were given the treat of listening to the most important Armistice Day celebration in London. As that service was broadcast on short wave it was picked up in Wellington by an enthusiast short-wave listener, Mr. F. W. Seilens, and relayed to 2YA, there again to be put on the air for New Zealand listeners. This rebroadcast was of a distinctly successful character, marking an extraordinary advance in efficiency over efforts made in previous years to achieve the same result. The technical advance made yearly has been notable, with the result that the time is at hand when a high degree of reliability can be achieved for broadcasts of the character outlined by the B.B.C. When the time comes for the inauguration of the new service announced from Britain, a notable new era will have dawned for broadcasting in the Dominion, and one which will in itself materially solve the programme problem as it is presented in the Dominion.

Unusual Broadcasts

3ZC Relays Commentary of Christchurch Trots

AN unusual feature of last week's radio was the running description given by 3ZC, Christchurch, of the Metropolitan Trotting Club's meeting at Addington.

3ZC ran a special schedule during the week commencing each day at 8 a.m. At 9 a.m. each morning a review and summary of the day's racing was given by the sporting announcer, Mr. A. R. Allardyce.

On the days the trots were run, the station remained on the air continuously until the fixtures were completed. The running description was carried out by Mr. Allardyce, and was clearly heard in Wellington and all parts of the South Island, the more southern portions being additionally served by a rebroadcast carried out by 4ZM, Dunedin, so that in the latter city even crystal set users were able to hear the descriptions.

The arrangements worked without a hitch, and 3ZC and Mr. Allardyce were the recipients of shoals of congratulatory telegrams and messages.

It is to be hoped that the new board will make an effort to get back the running descriptions for the YA's.

Women's Institute

Organiser Broadcasts

MISS AGNES M. STOPS, who has been organising Women's Institutes in New Zealand throughout the past two years, and will be leaving for England about the end of December, will give an account of her work, and at the same time bid farewell to institute members throughout the Dominion, by speaking on two occasions over the air.

On Saturday, December 5, at 7.30 p.m., she will speak from station 2ZW, and on Monday afternoon, December 7, at 3.30 p.m., from station 2YA. When Miss Stops first arrived in New Zealand there were about 90 institutes in the Dominion; now there are nearly 320. This work is of distinct benefit to rural interests, and its development has met with an appreciative response wherever it has been introduced.

Notes and News from the North

(By "Call Up.")

THE historical play "The Doge of Venice," which was presented from station 1YA on November 4, was most successful, and listeners will now be pleased to hear that another chronicle play from the same pen, that of Dr. George de Clive Lowe, will shortly be heard from the Auckland station. This is to be a three-act chronicle play entitled "Kirk o' Field," which is based on actual historical fact and which concerns Mary Queen of Scots, who is the leading character. "Kirk o' Field" will be presented by Mr. J. M. Clark and his company, who played the "Doge of Venice" and many other plays which have been given from 1YA.

IT is interesting to note that a number of artists who are now performing from station 1YA were among those who used to sing and play from the old 1YA in Scots Hall, Symonds Street. These include Alan McElwain, the Lyric Four, Bert Kingsland, Cyril Towsey, Madame Towsey, Eric Waters, Myra Monk, Beryl Smith, and J. F. Montague. In those days artists performed for "love," there being no pay-roll, and, incidentally, no license money for the station to work on.

Empire Broadcasting Station to be Erected

THE British Broadcasting Corporation has decided to immediately carry out its plans for the erection of an Empire broadcasting station as discussed at the last Imperial Conference. Though the finance problem has hitherto held up the progress of the proposal, the corporation has decided to proceed with the project owing to strong requests from different parts of the Empire.

In reply to an inquiry as to how far it has succeeded in overcoming fading and atmospheric, the B.B.C. states that it will utilise probably five short-wave lengths during different periods of the day in the hope of reaching New Zealand and Australia in relayable strength.

In this connection it may be mentioned that experiments with short waves have not solved fading in the Australian beam system, which at present cannot be operated for long stretches at night.

The B.B.C. will not be ready for the next transmission to Australia for at least a year.

1YA Musical and Dramatic Committee

THE 1YA Musical and Dramatic Committee met on November 6, Mr. A. B. Chappell (representing the Dickens Fellowship) presiding. There were present Miss J. Parker (Auckland Piano Students' Association), Messrs. E. B. Ellerm (Leys Institute), E. D. Robbins (University Students' Association), W. Colman (Royal Auckland Choir), F. M. Price (Aeolian Orchestra), W. H. Graham (Grafton Shakespearean Dramatic Club), J. F. Montague (Auckland Comedy Players), E. Blair (Workers' Educational Association), C. B. Plummer (Auckland Choral Society and Auckland Amateur Operatic Society), V. Trask (Athenian Club), F. L. Armitage (Little Theatre Society), C. Tucker (Auckland Radio Dealers' Association), O. Jensen (Auckland Society of Musicians), L. E. Lambert (Bohemian Orchestra), H. C. Trim and L. C. Barnes. An apology for absence was received from Miss Bertram.

Referring to the passing of the Broadcasting Bill, the chairman said: "Whatever our personal opinion may be we have always taken the view that the question of policy of control should not be a matter for this committee, and so we have taken no action in this matter. The introduction of this new phase will not affect us probably as a committee, but it brings to an end an arrangement between the company and the committee. The advisory committees were the idea of the company, and there was a representative of the company at the very first gathering here. It took shape and proceeded with work, consequently the company's pending withdrawal means this committee, if continuing, will be in contact with another body of control. In view of the facts as I know them I think it quite right that we should put on record some expression of our appreciation of the company's action in setting up the committee and fostering the co-operation it has."

The chairman moved and Mr. Plummer seconded.

Mr. Tucker said he had fought hard for board control, but supported the motion. The committee had done excellent work, and he felt that it would possibly be extended under the new control. There was a certain amount of sadness in breaking away from the old control, but the future of broadcasting was very great, and it was on principle that he had been forced to take up the issue against the company.

The motion was carried unanimously.

In connection with the proposed subsidy to sports bodies the committee agreed that the matter be held over pending consideration by the incoming controlling authority.

The station manager's report on programmes was received, discussed and approved.

Election Results by Radio

Special Complimentary Supplement in Next Week's Issue

VERY full arrangements are being made for the dissemination of election results from all YA stations on December 2. As was done in 1928, all stations will co-operate with the Post and Telegraph Department and local newspapers, in order to give listeners throughout the Dominion the fullest and promptest results of the polling.

2YA will naturally play a key part in the broadcasting of that evening. Co-operation is being effected with "The Dominion" newspaper to ensure speedy dissemination of news to the crowds assembled in Wellington, eager to hear the results, and listeners elsewhere. Direct telephone lines will be installed from the General Post Office to the office of the "Radio Record" in "The Dominion" newspaper building. This office will be fitted as a temporary studio for the occasion, and announcements will be carried out from it. These announcements will be broadcast not only from 2YA, but through a loudspeaker system, to the crowds assembled in front of "The Dominion" newspaper building. On the last occasion this crowd was a magnificent spectacle, some 30,000 to 40,000 people completely filling Wakefield and Victoria Streets.

FOR the convenience of listeners interested in securing detailed results over the air, there will be incorporated in next week's issue of the "Radio Record" a large-sized supplement, setting out in chart form all the electorates, with the names of the candidates, their party, and the results of the last poll. Space will be provided for entering the figures of the results as they are announced. This Supplement proved of great value in 1928, and our supplies were exhausted.

On this occasion a greatly-increased number of papers will be printed and made available to our agents throughout the country. Readers are asked to advise their friends of this service, so that no one interested need be disappointed if an order is placed promptly with the nearest agent for the "Radio Record." Copies may also be procured direct from our office, P.O. Box 1032, Wellington; price 3d., post free.

The election is on December 2, and this Supplement will be available as from Tuesday, November 24, in our next week's issue bearing date November 27.

2YA Musical and Dramatic Committee

MR. E. PALLISER presided over a meeting of the 2YA Musical and Dramatic Committee, there being present: Messrs. L. J. Retallick (Apollo Singers), W. P. McLachlan (Wellington Competitions Society), J. Carr (Charley's Aunt Club), W. A. Jamieson (Theatrical and Operatic Society), V. R. Bennett (Wellington Harmonic Society), I. M. Levy ("Radio Record"), E. Dawson (Wellington Symphony Orchestra), E. A. Anson ("Dominion"), Dr. I. L. G. Sutherland (W.E.A.), Captain Galloway (Commercial Travellers' Male Voice Choir), Messrs. O. M. Pritchard and J. Ball, and Mrs. D. Basham.

The chairman reported on the question of the great success of the community singing, which had realised a total of £513/5/4. A resolution expressing the committee's thanks to Messrs. Palliser and Jamieson for the excellent work they had done was passed by the committee. Replying, Mr. Palliser said the work had been a labour of love and it had been very gratifying to see their sings grow from two hundred people to thousands. Mr. Jamieson said that thousands of letters of appreciation had been received.

Referring to the broadcasting of concerts, Mr. Dawson said the Symphony Orchestra had a most successful year in spite of the fact that all concerts had been broadcast. The chairman said it was a treat to be associated with such a fine body. Great tribute had been paid to Mr. De Mauny, the conductor, by eminent musicians.

The next meeting of the committee will take place on Monday, December 7.

Other Committees.

3YA Musical and Dramatic Committee met on November 5, there being present: Messrs. S. Williamson (chairman), G. C. Wilkinson (Orchestral Society), R. J. Loughnan (Male Voice Choir), Geo. Manning (W.E.A.), J.

Radio Servicemen's Examination

WE have been advised that the examination date for the Radio Servicemen's examination is December 4 of this year. 367 entries have been received, a large number of these not having heard of the examination until the announcement was made in the "Radio Record." Over 1000 letters on the subject have been received, including many informal entries.

The examination will take the form of a single three-hour paper.

The following are the examination centres, with the number of candidates proposing to sit at each:—

Whangarei ...	3	Rotorua ...	2
Auckland ...	91	Wellington ...	78
Hamilton ...	10	Blenheim ...	5
Tauranga ...	5	Nelson ...	6
Gisborne ...	1	Westport ...	2
Hastings ...	12	Greymouth ...	2
New Plymouth ...	11	Christchurch ...	33
Wanganui ...	7	Timaru ...	6
Palmerston Nth ...	10	Dunedin ...	35
Masterton ...	5	Invercargill ...	17

We understand that the P. and T. regulations have been removed from the syllabus owing to impending changes.

Personal

JOYCE Hould, who has appeared at 1YA several times during this year, both as a solo performer and in plays and also performed at 4YA, will shortly leave to continue her studies in elocution and dramatic art at the Royal Academy, London. Miss Hould has earned a very fine reputation for her performances. In fact, critics have said that her work is outstanding. This young lady has also been a member of the 1YA Broadcasting Choir.

MacKenzie, and Dr. F. C. A'Court (Harmonic Society and Competitions Society).

A meeting of the 4YA Children's Sessions Advisory Committee was held on December 6. Present: Misses McIntyre (League of Nations' Union), Coe-Smith (S.P.W.C.), P. Hindle (Y.W.C.A.), Rev. S. J. Cooper (Anglican Boys' Home), Pastor W. D. More (children's organiser), and Mr. A. F. O'Donoghue.

Radio Serviceman's Examination

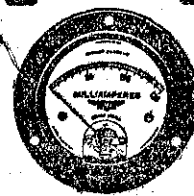
What do you know about resonance, inductance, oscillatory circuits?

Do you fully understand the operation of a superheterodyne set? Could you service one that tuned exceptionally broadly?

There is just time to brush up your knowledge of radio ... but NO TIME TO WASTE.

Write to us re our Special Brushing-Up Course prepared to conform to the syllabus set down by the Electrical Federation.

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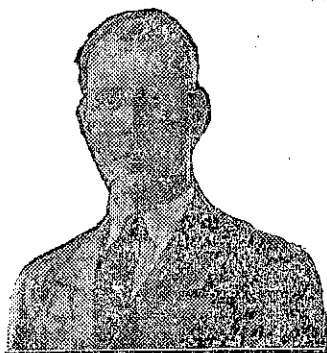
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Our Mailbag

Serviceman's Examination.

WHO is the Electrical Federation? Do they control the radio industry of New Zealand, and where does the Government come in with these regulations that the federation is trying to impose on to the "radio" public? Admittedly, there should be some control of radio sales and service. Of what use is this examination to me, just to take as an example? I have been in the business for some five years, and during that time have learnt all I possibly could about radio. I can build sets, eliminators, etc., understand the servicing of practically



The man who has revitalised thousands of neurasthenic cases.

Self-Consciousness, Nervousness, Blushing

A Startling New Book by a Former Sufferer Offered FREE to Every Nervous Reader.

There is no greater obstacle to social and business success than a nervous and shy disposition. There is no human weakness so humiliating and responsible for so much secret misery and despair as this unfortunate affliction. Nervousness deprives you of the ability to reveal your real self, to develop your talents and make a headway in the battle of life. Neither ambition, talent, nor hard work can achieve success when handicapped by nervous fears.

If you are a victim of this distressing mental disorder, if you are nervous and shy, if you blush and stammer when spoken to, if you feel awkward and embarrassed in company, if you are letting opportunities slip by through being too nervous to step out of the crowd and become a leader instead of one of the led—here is a real chance to conquer your weakness instead of letting it conquer you—here is your chance to become forceful and red-blooded!

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A remarkably interesting book, explaining how you can cure yourself privately at home, as I did, will be sent in a plain sealed envelope to all sufferers sending 4d. to cover cost of postage. Write at once in confidence to—

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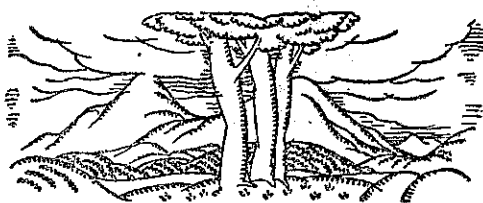
Dear Sir,—

Please send me absolutely Free and without any obligation on my part whatever, a copy of your book, Nerve Strength, Self-Consciousness and Personality. I enclose 4d. in stamps for postage.

Name
Address

20/11/31

SCOTTISH



PROGRAMMES

From
1YA and 4YA
On

Tuesday and Wednesday Next

Special Scottish programmes to commemorate St. Andrew's Day will be broadcast through 4YA and 1YA next week. At 4YA the Highland Pipe Band will provide several selections, while at 1YA the whole entertainment will be given by the Caledonian Concert Party.

all of them, but I don't know much about ohm's law and a lot of other theoretical "stosh." In fact, about seven-eighths of the syllabus is gibberish to me (and I venture to say to the average electrical wireman also). Yet, though I can repair a set, or, if necessary, rebuild it, unless I possess a serviceman's ticket I will be barred from this. But the wireman who may have a wireman's ticket may service a set in spite of the fact that he may not know the difference between a grid leak and a condenser. It is up to the radio dealers of New Zealand to object to the Electrical Federation having the power to dictate the law on this matter. If the laws of the country demand it, then let every serviceman undergo the same examination whether he holds a wireman's ticket or not. It seems to me rather ridiculous that the serviceman without the necessary qualifications cannot service a set, yet any amateur can tinker round with it or build sets, etc., in fact do just as he pleases about it.

I suppose it will be something like the dealers' licenses! The dealer has to pay a pretty stiff fee for the right to sell radio goods. Yet "amateur" transmitters? "amateur" builders, storekeepers, and so on, can deal in radio, and the Postal Department do not take any action in the matter, and do not afford the protection that the legitimate dealer should be entitled to.—Dealer (Marlborough).

OUR DX NOTEPAPER

has been completely re-designed. Greatly increased space has been allotted to such details as weather conditions, etc. It may be folded up, fastened with a DX Sticker, and addressed. Use these forms and save your envelopes. Price 1/6 for 2 doz. (min. order) or 4/- for 6 doz. post free.

Government Control.

I READ in the papers that the Government has decided to take over the responsibility of supplying New Zealand with news and bright music for 1932. What is wrong with our present service, or has our Government decided it can effect improvements? I doubt it. One has only to read in the papers of the wonderful idea of a certain member to supply all New Zealand with the one programme each night. How does this appeal to listeners? It also stated that our broadcasting equipment is obsolete. Perhaps he intends to supply us with television. He also states our fees would be reduced. Now I appeal to any reader, how can this be done when already some of the members of our Government have queer ideas of what a wonderful scrap-heap our present transmitters will make, but at present we are quite satisfied with them and the service we receive. If the Government really wants to control our service let it prove its ability by first straightening out the tangle it is in. When this is done we will perhaps have a little more confidence and will trust them with such an item of importance as our radio broadcasting. —"One Thing at a time" (Wairoa).

Quality of Transmission.

I NOTICE there is some controversy regarding 2YA's transmission on the 13th. The night in question was a particularly good one here, and the community singing and Mr. Coates's speech came through with the utmost clarity, there being neither fading nor distortion. Other set-owners with whom I am in touch say the same. 2YA is at all times by far the best YA station to be received here, and is listened to more than any other station on account of its reliability. We did not try

3YA on this occasion, as it is not received satisfactorily in this locality. Regarding community singing from 2YA I would like to say how much we have enjoyed the two evening performances, and hope that more community singing will be put on of an evening, as the daylight transmissions are not received as satisfactorily here. —"Listener" (Hokitika).

Sunday Music.

MAY I express my hearty agreement with your correspondent in the issue of October 30, 1931, appearing under the heading of "Some Suggestions?" Could we not have at least one of the YA stations broadcasting good music during the sessions usually devoted to religious services? I do not think it an unreasonable request, for, as your correspondent says, "somebody has to go without his particular religion." The programmes could include sacred and classical music. How about some other views?—"Ignaz" (King Country).

EAGLE Jnr.

Here is a radio small enough to pack in your suitcase. Big enough to give real performance.

And—the Lowest price ever placed on a Dynamic-equipped Radio.

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Royds-Howard Co.,
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Thousands bought the 6-valve Zaney-Gill because it gave more than other Radios.

The 7-Valve Model offers:—

1. New Full Range Tone — Push-Pull Pentodes.
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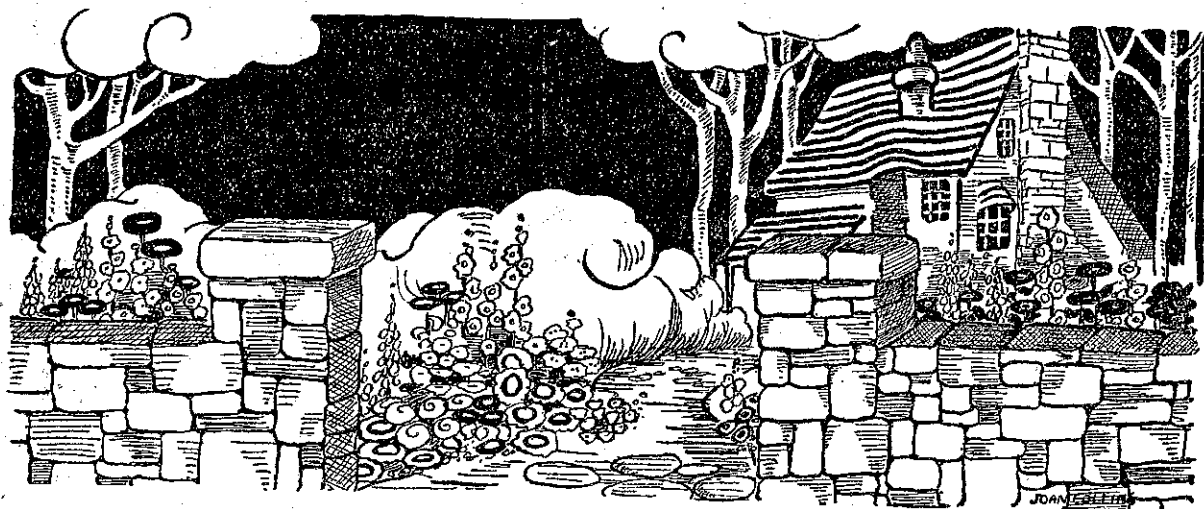
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“ENGLAND, with all thy faults, I love thee still”

MOST people who arrived in England in the early summer will probably agree that their first vivid impression is of the greenness of the countryside. This is often first perceived as one passes up Channel, when the rounded hills of Devonshire come into view, with further on the Isle of Wight, and the broad, rich Kentish meadows. This greenness is pleasant and grateful to the eye that has seen nothing but rolling seas for so long, but as we sail past Southend and the shore lightship and enter the Thames, it is not long before green fields give place to factories, dockyards, and endless rows of chimney-pots. For your happiest early impression of England it is better to land at Plymouth or Southampton, and travel to London by train, rather than to land in the Port of London especially on a day that may be cold and wet and foggy.

There is as much romance and history (and perhaps more real humanity) in the East End of London as there is in the West, but it is mostly ugly, monotonous streets—endless streets—that one drives through to reach a West End hotel or railway station, and your first impressions of the great city you have wanted all your life to see, may be disappointing and depressing.

London to the tourist is the West End with its parks and squares, its theatres and its shops. These are the things he has heard of and has come so far to see. And though he achieves so short and superficial an acquaintance with London, he feels under the spell that London casts on everyone—a spell that for those who really know the life of London, who live and work there—is a lasting and powerful one.

The fiery patriotism of the Scot does not excel the devotion of the Londoner to his great city. London is a royal city and as such stands aloof and indifferent, one feels, to the opinions of those who come to visit her.

Cities such as Paris or Brussels rather look for compliments and praise of their beauty. London is so sure of herself, so fine and of such ancient glory and dignity that ordinary words of praise are inappropriate.

But London is not England. Once you pass beyond its outer limits into the country and the country towns and the great industrial cities of the North, you realise that there is only one London and that everything else is—as one says—“different.” So that to understand the real England, do not spend too long in London. Travel through the countryside, northward, westward and to the south.

THERE is no countryside in the world with quite the same charm as England, the quiet, gentle charm of village and wood and stream and hedgerow—and trees everywhere.

The elm is the commonest tree seen, and is, I think, the least beautiful. In Devonshire are the oak woods, on the South Downs and

North Downs are the beeches, in Surrey and Hampshire the pine woods. They are fond of their trees in England and conserve them carefully.

In New Zealand we burn and destroy with little compunction, though in recent years greater care has been taken; in England the art of forestry and tree surgery is understood and carefully practised.

Some of the counties of England have a character of their own, Surrey, Sussex, Somerset, Devonshire, Cornwall, the Fen Country, and the North of England. Other counties, such as Warwickshire, are, so to speak, just England. The ancient cathedrals, abbeys and churches have grown up with the life of England, are a part of her, because in them, as in all her ancient (Concluded on page 8.)

In this talk from 3YA, Dr. F. V. Bevan Brown, who has recently returned from a trip to the Mother Country, describes some aspects of England and English life as he saw it. He went abroad, spending five days in Holland, and continues to give his impressions of that country, which has been reclaimed from the sea and held only because of the tenacity and skill of its people—the Dutch.

Doctor Bevan-Brown called his talk “Some Impressions of England and Holland,” but on hearing it we felt constrained to give it another title and say, with Cowper, “England, with all thy faults, I love thee still.”

buildings, history is recorded.

The Alabaster tombs of Crusaders remind us of the reality of a period of English history that in a history book appeals to one merely as an amusing story. Durham Cathedral is especially rich in history, as are the ancient Northumbrian castles and abbeys, all of which can record a tale of centuries of troublous times. Bamburgh Castle stands high on the cliffs overlooking the sea, and was first built in Saxon times as a military stronghold, in association with the religious occupation of Holy Island, which lies close by.

Incidentally, and coming to much more recent times, it was from Bamburgh Lighthouse that Grace Darling set out single-handed to rescue a shipwrecked crew.

Alnwick Castle, in the same vicinity, is the ancient stronghold of the Percies, and though it has been altered and modernised, there it stands, not as a ruin, but as a live and vigorous survival of ancient glories.

No other country is so endowed with these lasting witnesses in stone of the life and development of England from early times.

The Universities.

THE Universities of Oxford and Cambridge are another integral part of England and of the spirit of England. In them is embodied an ancient atmosphere and tradition which is permanent and unalterable, and which can be felt and perceived very easily by the duller observer. And yet these age-old institutions have a life and activity which gives a lead to the world in modern philosophical and scientific development. Moss grows on the walls of the college and chapels, but inside those buildings there is vigorous life.

The hills and valleys, villages, churches and country homes are that pleasant part of England which we like to think of and picture in our minds and yet to the majority of people in England these things play no part whatever in their lives, for the real life of England is in the great industrial towns where men and women are occupied in a struggle for existence—rather a grim struggle at the present time, with few of the pleasant things of life coming their way.

SORE THROAT?

Pulmonas
INVALUABLE PASTILLES
for



QUICK RELIEF

W.E.A. talks on

INTERNATIONAL PROBLEMS

By the REV. W. G. MONCKTON, M.A.

Synopsis No. 2.—The Russian Five Year Plan.

To be Broadcast from 1YA on Tuesday, December 1, at 7.30 p.m.

EVENTS in Russia after the Revolution. The collapse of the factories. The attitude of the peasants toward Communism. Economic conditions in Russia following the war. The New Economic Policy. Growth of private trade. The attitude of Lenin, Trotsky and Stalin. The great electrification scheme. Failure of this scheme. Attempt to increase the output of metals. The attempt unsuccessful. Russia facing bankruptcy and starvation.

Unsuccessful attempts by Russia to float foreign loans. Russia compelled to create capital for herself. Efforts to gain enthusiastic support for the Plan. Propaganda throughout Russia to stimulate the enthusiasm of the workers. The Plan launched. The original estimates. Competition between factories. Various opinions of different observers. Are the workers slaves? Growth of population in Russia. The lack of skilled workers. Will the Plan succeed? The great expense involved and the great strain imposed on the workers. Efforts to make a Four Year instead of a Five Year Plan. The interest of the Plan to students of the attitude of the worker to the machine.

The following questions are suggested for discussion:—

1. Was the economic collapse of Russia due mainly to the War or to the Revolution?
2. What substitute could be suggested for the Five Year Plan?
3. Can you arouse public enthusiasm to save a country from economic collapse as readily as you can save a country from danger of invasion? If not, why not?
4. How does the Russian nature differ from the Anglo-Saxon?

Hard Times.

IT is difficult to estimate the true conditions when one is merely a visitor and a looker-on, but I was able to form some impressions of the effect of bad times upon the people of England at the present time. In my hospital days in London I came in close contact with slum life, and I am convinced that in spite of the slump, conditions of living have greatly improved in the last ten years.

The dole secures people from want and in many cases enables them to live more comfortably than when they were in work, especially when several members of the family are in receipt of help. Moreover, slum areas are gradually disappearing and the population is moving further out into the suburbs, into decent, well-built, healthy homes.

These improved conditions have been secured only by the expenditure of vast amounts of State and municipal funds, and as we all know, the burden has been too great for the country to bear.

There is no doubt that dole funds have been lavishly expended, and that the dole itself is an evil, though a necessary one; but it is clear that the

whole attitude of the State toward the poorer classes has become far more humanitarian in recent years; and it is now a recognised responsibility and duty of the Government to attend to the welfare of the masses; 50 years ago this could not be said.

England's Greatness.

THE greatness of England depends not on her parks and gardens and countryside, but on her staple industries, on coal, iron, steel, wool, cotton, shipping. All these industries are experiencing bad times, and people say that none of them can ever regain their former prosperity. But a wise man will not believe these prophecies. The economic position is so vast and complicated that no one can say with authority what is going to happen.

But in the case of wool at least, it would seem that the English people have deliberately done their best to hand over the industry to the foreigner.

Bradford for many years has taught the world its own perfected system of weaving, and has actually set up woolen mills in all parts of the world, which have enabled the foreigner to

weave his own cloth and become independent of Yorkshire.

Strange are our business ways, and methods, and beyond the understanding of our shrewd foreign rivals, but a comforting fact remains that the finest cloth is still produced in England, and the world must still depend on her for the best material.

[The English tradition is well maintained in New Zealand, where we turn out certain types of cloth equal to any in the world.]

English technical skill, thoroughness and honesty are the factors that will restore to England her foreign trade. The greatness of England, however, is something finer and deeper than mere commercial prosperity—it is made up of those things that are the character of England and of her people. In these troublous times one feels that England's foundations are deep enough to weather storms that would destroy other nations. There is a rock-like stability that has existed from the earliest days of her national life. There is a strength, a courage, and a serenity written on her countenance that gives one confidence that to-day, as in the past ages of her history, she will stand firm and unshaken through all her difficulties.

Holland and the Dutch

A THOUSAND years ago Holland was little more than a collection of sandbanks and dunes that lay at the mercy of the sea, and that offered no hospitality and a very meagre means of subsistence to human beings who were hardy enough to make such a place their home. By infinite skill, patience and courage, the Dutch have gradually converted a sea-swept, barren waste into a rich country that supports many millions of people. They boast of great cities and an industrial and artistic development that has spread its influence over Europe, and, in fact, all over the world.

The Dutch had not only to create a country for themselves out of almost nothing, but they have had to hold it and fight for it, particularly against Spain in the 16th century. The history of these times is a stirring one. Great men rose up to help the Dutch (Concluded on page 10.)

GOOD JOBS FOR RADIO EXPERTS!

The modern radio is a long way ahead of the simple sets that almost anyone could make, consequently, there is a great demand from Radio Manufacturers, Dealers, Shipping Companies, and the Government for MEN WHO KNOW. The I.C.S. RADIO COURSE was planned to meet present-day demands. We train you for REAL success in Radio. Write for illustrated literature and full particulars.

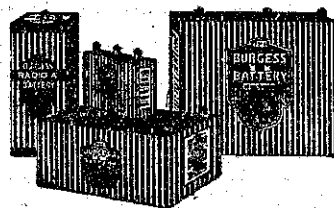
The International Correspondence Schools (N.Z.), Ltd.,
1822 WAKEFIELD ST., WELLINGTON.

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.



**BURGESS
RADIO
BATTERIES**

"The Greatest Show of All"

Is How Critics Described This Year's Radio Olympia

The British Radio Exhibition, since its inception as a yearly event, has been an index to British radio for the forthcoming year. In the radio world it is an event of outstanding importance, and this year has been no exception. Record crowds visited the show and there was every indication of business being brisk for the ensuing season. In this article we publish the first-hand impressions of a New Zealand visitor—Mr. John Galvin, who recently left the "Radio Record" staff in order to gain experience abroad. Mr. Galvin, it will be remembered, largely instrumental in organising the first Wellington Radio Exhibition.

TO be able to examine radio sets and accessories amounting to over £5,000,000 is surely a radio enthusiast's dream. Yet I had this unforgettable experience when I visited the exhibition organised by the radio manufacturers of Great Britain at Olympia last week.

Five miles of stands with an official value of a million pounds a mile! Five miles of all absorbing interest! Here one could see the latest in radio and some of the first radio apparatus ever manufactured.

This exhibition was first organised in 1924, when the total annual output of sets was 50,000, the trade having a turnover of £4,000,000 annually. Last year (1930) 650,100 sets were produced and the turnover was £20,000,000. This year £30,000,000 is the estimate.

The attendance in 1924 was 44,000; in 1930, 161,128; and 200,000 in 1931. These figures surely demonstrate the vast advances radio has made in England, particularly during the last year.

The Exhibition Committee had gone to great lengths to secure the interest of visitors. Several interesting displays of a general nature were arranged, while a dance floor with orchestra was provided for those interested in this amusement. It has been computed that more than 5000 records have been broadcast during the twelve-hour-a-day non-stop programmes, these being relayed by all stands.

The total number of exhibits was 255, representing all members of the Radio Manufacturers' Association.

A genuine decorative scheme was carried out, and exhibitors were allowed to make further extensions on their own behalf, gold and blue being the predominating colours.

The B.B.C. occupied a considerable amount of space, where they had models of their broadcasting plant and general equipment. A feature that attracted considerable interest was a moulded map of England, showing the location of all stations, either proposed or in operation.

One of the most noticeable features was the general trend toward sets that have "eye-appeal." Formerly the British manufacturer has been content to produce a set that will give some remarkable performances, and to put it in a box and wait for something to happen, but at last he seems to have realised that the woman has a say in the purchase of this commodity, and to her his product must appeal. The Americans realised this many years ago, and thus they, with their bigger valve sets and beautiful cabinets, have ousted the English radio in foreign markets. Nevertheless, I antici-

pate that if the British manufacturers develop along the present lines they will do much to establish British predominance. Some of the most noticeable manufacturers in their field were Ultra-Electric,

Limited, marketing a fine range of receivers from a two-valve a.c. to a super-het, all built in very attractive cabinets of fine woods and selling at reasonable prices, the Marconiphone Company, who also had a good portable, as did Corson, Ltd.

MR. S. T. BROWN, inventor of the first loudspeaker, had two remarkable new patents at Olympia. One is his battery superseder, a device which does away with the need for a high-tension battery. This is a small compact unit, easily connected to an existing accumulator, from which it derives its power. It gives the set a constant flow of current, which in turn means unvarying volume from the loudspeaker, and yet necessitates only a small extra consumption from the "A" battery.

The other invention is the Microvox, which will convert any gramophone into a really powerful electric amplifier without the necessity of a wireless set or a valve amplifier.

The Raycroft Kit, which has been attracting much attention here lately through its use as a burglar alarm was exhibited. Its different uses in starting and stopping machinery, shutting and opening doors, counting, etc., were demonstrated. It employs an equivalent to the tellurium cell which varied its resistance to an electric current, as the light which shines upon it is varied in intensity. This phenomenon is utilised to give varied and far-reaching results, and now it may be obtained in a commercial way. Enthusiasts will soon be stopping and starting their radios with it.

A new development in speakers was shown by the Prism Manufacturing Company. They have designed a speaker differing fundamentally from ordinary telephone and loudspeaking apparatus, and possessing a potential energy of its own. This speaker, it is claimed, is non-directional and may be used with an ordinary two-valve set, to obtain sufficient volume to fill an ordinary home. (We hope to be able to describe this original speaker more fully at a later date.)

The popularity of the portable is as great as ever, and no fewer than 32 different firms displayed this type of receiver. In the majority of cases at least two models were manufactured. A surprising feature is the number that (Concluded on page 10.)



A Corner of This Year's Radio Olympia.

use a highly polished wood for their fitting. No doubt this is done to reduce the cost. Screen grid circuits are the general rule.

Of the small valve receivers the most popular were those manufactured by Cossor and Kolster-Brandes, either battery or A.C. The Cossor New Empire Three screen-grid kit embodies several new features in kit construction, including special screening and metal base plate, and improved cabinet work. A metal-lined screen grid valve is used in this kit. The Kolster-Brandes utilizes a screen grid R.F. amplifying valve, detector and a high voltage rectode output valve. The clearly-marked illuminated condenser scale is calibrated for direct readings of wavelengths on both long and short waves.

In the large set field, there are several really good long-range receivers suitable for our conditions. In the majority of cases they are housed in good cabinets and built for A.C. work. Such well-known firms as Marconiphone, Tannoy, Ferranti, McMichael, Columbia, Kolster-Brandes, and Pye Radio showed nice models. The most appealing of this type was the "Panther," a console model with five valves, in a modern style walnut cabinet finished with a high polish and incorporating a moving coil speaker, made by Ultra, Limited.

The largest radio on show was that made by Varley. Its overall dimensions were 41in. wide by 22½in. deep and 39in. high—a set not particularly suited for flat dwellers.

In the accessories on display, several features of unusual interest were noticed. One firm was selling a cone adapter that cuts out chatter and rattle. It is designed to take the place of the customary small screw for adjusting the reed or driving rod, as it closes up with equal pressure the whole surface of the reed or rod, and then a clamping device gives a permanent grip at the back of the cone. Another was a terminal which, by changing the top, could be used with equal success as a clamp, grip, and extension.

No outstanding developments in valves were shown, the main improvement being "metallising," which enables a constructor when using this type of valve to do away with screening. In these valves the outside glass surface is covered with a special solution for this purpose.

Firms familiar to New Zealand and who exhibited were: Amplion, Ltd., speakers; British Thomson, Houston Co., Ltd., pick-ups, etc.; A. C. Cossor, Ltd., sets and valves; Dubilier Condenser Co., Ltd., a full range of condens-

ers; Ferranti, Ltd., loudspeakers, transformers, sets; Fuller Accumulator Co., Ltd., accumulators; Igranic Electric Co., Ltd., transformers, chokes, condensers, radio combination motors, pick-ups, amplifiers, and microphones; Kolster-Brandes, Ltd., combinations, super-sets, 3-valve, all A.C. and D.C., 2-valve A.C. and battery models, speakers, wavetraps, and headphones; Lisen, Ltd., combination, two, three, four and five-valve receivers, portables, valves, dry batteries, eliminators, pick-ups, accumulators, and full range of components; Magnavox (Great Britain, Ltd.), speakers, Marconiphone, 6-valve super-het., 2, 3, 4-valve receivers, A.C. and battery models, loudspeakers, pick-ups, valves; Mullard Valve Co., battery-operated sets of all types, A.C. sets, valves, all types, including transmitting valves, and speakers; Ormond Engineering Co., speakers, condensers, and general components; Vye Radio, Ltd., kit-sets and portables, battery and A.C.; Siemens Electric Lamps and Supply, Ltd., their new Full-o'-power dry batteries; Telegraph Condenser Co., full range of condensers.

With the closing of the exhibition on September 28, it was taken to Manchester, where it opened to record business the following week.

Impressions of England

(Continued from page 8.)

in their adversity, the greatest of all being William of Orange, who, by his genius, courage and devotion, kept the Spaniards at bay until he lost his life by an act of treachery.

The history of their country shows the Dutch to be a robust, self-reliant, painstaking people, and their great country, rich in art, in architecture, and in engineering and agricultural achievements, has reached its present state because of those qualities. Further qualities that might be quoted are wisdom and shrewdness, which were notably in evidence during the Great War, which the Dutch very wisely kept out of.

Reclaiming From the Sea.

ONE example might be quoted of their engineering ability and enterprise. Up till the year 1893 there existed near Amsterdam a large lake whose waters were deep enough to carry small ships, and rough enough in stormy weather to wreck them. Three powerful pumps were installed on the shore of the



"THE BOY"

Both 3YA and 4YA
will broadcast on relay
from His Majesty's Theatre
a performance of
Monckton's light opera

"The Boy"

by the
Dunedin Amateur Operatic
and Dramatic Society.

under direction of
MAJOR F. H. LAMPEN.

Musical Director:
MR T. J. KIRK-BURNAND

lake and the water was gradually pumped out. In three years the lake was dry, and the land so obtained is now a prosperous and richly-cultivated district.

Here is the centre of the bulb industry, and during the month of April, when I was there, the country on either side of the railway is ablaze with tulips, hyacinths and narcissi.

The Dutchman, with his love of order, arranges his bulbs in squares, of mathematical correctness, and when the bulbs are in bloom the country all round resembles an immense patchwork quilt of brilliant reds, pinks, yellows, and blues.

The Picture Galleries.

OF all the things to see, the picture galleries of Amsterdam and the Hague are probably what people remember most clearly after a visit to Holland. I suppose the Dutch people themselves look upon these galleries as their most precious possession. But it is true of the Dutch pictures as it is of great works of art in other countries. The ordinary tourist does not often look at them with any real pleasure, because he knows very little about art. He is in a hurry and has to see all the pictures in the gallery in

one afternoon. At the end of that time he is exhausted, bewildered, and dissatisfied, and has failed to carry away with him any clear or lasting impression of any one single picture, though he would never dream of admitting all this, even to himself. It is not necessary to be an artist to see the beauty in a masterpiece, but there must be some educated understanding, and there must be leisure and a calm, undistracted mind.

The main cities of Holland are close together and in consequence are easily visited. Amsterdam abounds in interest, but is too big, too crowded, and too preoccupied with commerce to be able to retain its picturesqueness and beauty.

The Royal Picture Gallery in Amsterdam is, of course, one of the most famous in the world. It is largely, but not entirely, confined to Dutch art, and in it are to be found many great masterpieces. Dutch art appeals to the English mind more readily, I think, than Italian art does. The landscapes and interiors are especially beautiful. The artists whose pictures I recall most clearly are Rembrandt, Vermeer, Jan Steen and Ruysdael.

A demented Dutch student had recently slashed Rembrandt's famous picture, "The Anatomy Lesson," with a knife. Consequently the attendants kept a very watchful eye on visitors to the gallery.

Old Habits and Customs.

FOR these things one must go to the Hague, to Leyden, and to Delft, and, still more, to the remote villages, where the habits and customs of old Holland still exist, though in some cases one is sadly aware that they exist only in order to attract the tourist, the old Dutch dress is mostly worn for the same reason and in the large towns it has now entirely disappeared.

A Remnant of Old Holland.

MIDDELBURG, in Zeeland, in the south, on market day is still a true remnant of old Holland. Here you can see Dutch peasants living and working as they did before modern customs came along, bringing with them utility in exchange for beauty and simplicity.

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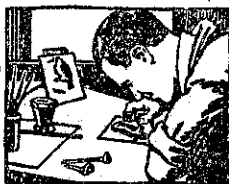
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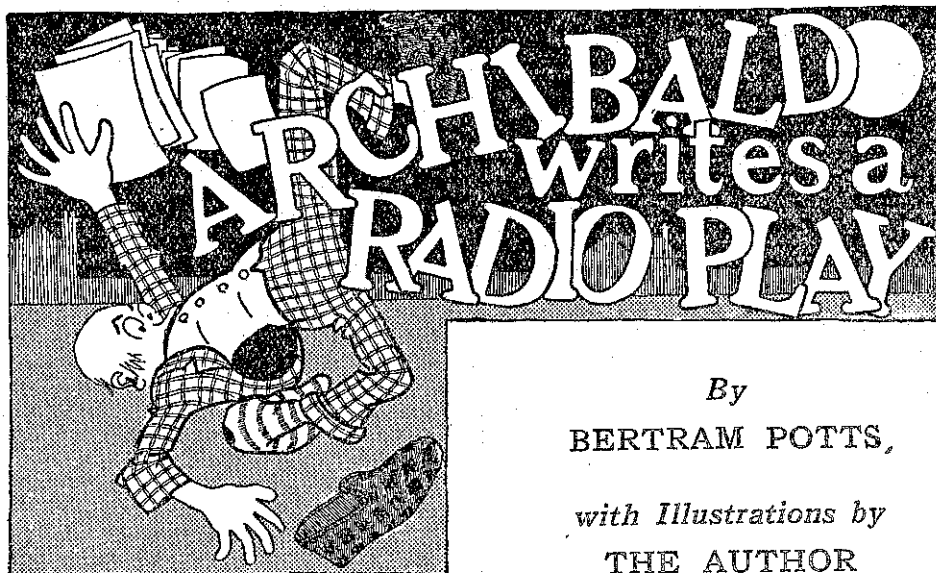
WELLINGTON

Day and Night Service



SINCE writin' yer last, I've been 'ard at work writin' a radio play, somethin' out-standin', because I realises that radio must 'old its own in keen competition with baby-shows, dog-shows, 'orticultureal exhibitions, and organ recitals!

I 'ave realised for a long time that most play-writers is in a rut, so I sets out to view the matter from a fresh point of view. Now, most plays 'as a 'ero and a villain. I 'ad to alter that.



By
BERTRAM POTTS,
with Illustrations by
THE AUTHOR

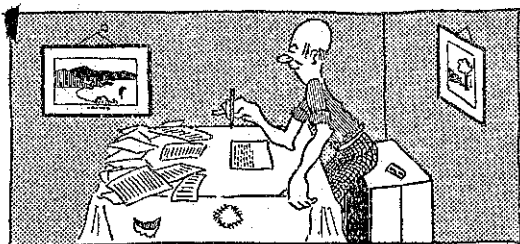
that by just mixin' up the sheets, the 'ole story is better, with the thrills comin' in the most unexpected places.

I reads the play through to see 'ow long it took, and it was six 'ours—a long time, certainly, but think of the breathless thrills! Of course, if the broadcastin' company thinks two 'ours is enough, well, the actors will 'ave to speak faster, that's all. It might 'elp a bit if the women speaks two or three at once, as in real life!

*I scratches 'ard upon me 'ead and then I gives a shout—
My play will 'ave two villains, and I'll cut the 'ero out,
Because the villain adds the spice and does the moans and groans.
Two villains, then, should freeze the blinkin' marrer in yer bones.
And give yer twice the shudders and make list'ners cringe and quail.
And finish not in weddin' bells and sendin' folk to jail.
But in a 'arem far away, where all is gay and bright—
The 'eroine gets left be'ind, and that will serve 'er right!*

I 'ave always noticed in ordinary plays (mine bein' extraordinary) that just as the plot gets excitin' and Dirty Dick is in the limelight, the 'ero stops all the fun by nosin' in at the wrong time! With the 'ero out of the play 'e's out of the way. Think of the fun the villains will 'ave and the extra thrills for the folks what listens in and wishes they was the villains. It would encourage folks to take up dramatic art, so that they can act the part of villains, instead of listenin' in and 'avin' to use their imaginations!

NOW, I proposes to 'ave two fresh 'eroines in every act, so that when the villain gets rid of one the play don't end too soon. For instance, in the first 'alf of the first scene, the villain goes through shot and shell, storm and static, to reach the beautiful maiden, and after fryin' Barney, the Boy Scout, and skinnin' Cuthbert, the curate, 'e corners 'er in a deserted mill a 'undred miles from anywhere! The dastardly villain does not 'esitate a moment, and seizes 'is opportunity to drag from 'is pocket the missin' will. 'E tears it up and throws the pieces in 'er false teeth and dashes away to flout the second 'eroine!



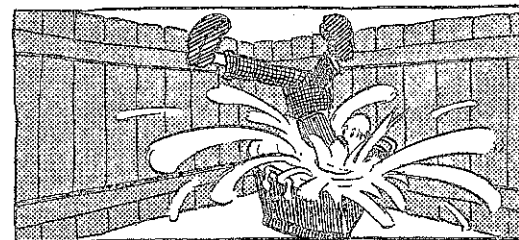
Well, I covers dozens of sheets of paper, because these startlin' new ideas pops into me 'ead real quick, and at last I draws a line at the finish and writes "Curtains!" I knows what Shakespeare must 'ave felt like after writin' "Julius Caesar with the Merry Wives of Windsor: Or, Much Ado About Nothin'!" But there is one difference between Shakespeare and me—'e made 'is plays 'ard for grown-ups to understand and 'ard for scholboys to parse and analyse. I makes mine easy for everybody!

I writes so fast that I forgets to number the pages, and I finds it impossible to put them in their original order. 'Owever, I discovers

*Now, that's a play
that's chock-a-bloch
with passion,
When villains are not
thwarted in their
scheme—
They kick the tott'ring
squire without com-
passion,
And bind the milk-
maid while they
scoff the cream!*

Regardin' the use of swear words, which is used nowadays on the stage, I knows that a few ripe Digger expressions would give body to the play. Knowin' that some folks is not too broadminded, 'owever, I translates these expressions into Old English as used by the Diggers in the days of Cromwell, such as "Gazooks!" "Ods Bodikins!" and "Scurvy knave!" The correct words could be supplied by the "Radio Record" on request—if accompanied by a postal note for a shillin'!

Now a good radio play 'as a variety of noises by way of thrills.



*I must 'ave noise and plenty, too,
A clatter, croak, and clang,
A chink, a crow, a cough, a coo,
A murmur, mutter, moan, and moo,
A bellow, blast, and bang!*

*A thud, a twang, a tone, a tap,
A hiss, a hum, a hoot,
A snuffle, snort, a shriek, a snap,
A rustle, ring, a roar, a rap,
A tune, a thump, a toot!*

I intends, of course, to take the role of the leadin' villain. I gets one of the tins the misses uses on washin' day, takes it into the back yard, and fills it up with water, intendin' to practise a realistic gurgle. Our 'Erbert'll 'ave to learn not to throw 'is banana skins about, for I blinkin' well treds on one and dives into the bath, where I performs a series of real gurgles. I can't understand 'ow folks 'as got the 'eart to laugh at beauty in distress. The missus ain't got much culture. After this, I decides to cut out the gurglin' part, or leave it to the second villain, me 'avin' 'ad enough to last me a lifetime!

NEXT I calls in a couple of me friends to 'ear me read the play. After I 'ad read for five minutes, one of them says: "Excuse me, Archibald, but 'as yer any objection if Jack and me sits and listens while we 'as a game of chess? And so they plays chess and listens at the same time. The missus 'as no manners, for she starts snorin' after I 'ad been goin' a couple of 'ours or so. Jack and Charlie didn't seem to see the jokes very fast, for they laughs in the wrong places. They wouldn't wait for the finish, and I made them promise to come back another night and 'ear the rest of it. It's a pity they'll both be doin' so much night work durin' the next couple of months! (Concluded on page 30.)

News and Views of the D.X. Club

Answers to Correspondents

M.C.H. (Gisborne).—2CA is a New South Wales station.

"Red Bird" (Wellington).—Yes, but what is the date of the call-list you mention? Mexican stations have a habit of changing their frequencies at a moment's notice.

"Omik" (Whakatane).—Your log is fair. However, judging by your remarks your aerial is rather badly screened. Galvanised iron piping, if plugged at the top, heavily painted and stayed at each joint, makes an excellent aerial mast. A Beverage aerial, which operates on a slightly different principle from the ordinary type, consists of a wire some 300 or 400 yards long, slung along the top of a number of posts about 10 feet in height. It is not necessarily insulated, and is earthed through a 750 ohm resistance at the far end. Quite a number of DXers have installed this kind of aerial, and report greatly improved results. Neither of the two DX Cup winners, however, use this type of aerial.

DX68W (Levin).—But it was not Mr. Drummond announcing.

Identification Wanted

At 11 p.m. on October 31, a station was heard on 560 k.c. (535 metres). Announcer spoke in a foreign language.—**M.B.H. (Gisborne).**

On November 6 (what time?—Ed.). American station was heard on 1300 k.c. (231m.), giving a four-letter call sign resembling "KFHM." Station faded out as darkness came on. Also station heard before 8 p.m. on November 4 on approx. 580 k.c. (517m.), just above KHQ, who were also on the air. Two items were heard, and then a woman announcer spoke. It is not the Wanganui station.—**DX100 (Timaru).**

Shortwave station heard at 7 p.m. on November 8. At first I thought the stranger was VKSLR, Melbourne, but on lis-

tening to several recorded items the call was given as KRO (?), operating on a frequency 5825 k.c. (approx. 51.5m.). Several times the announcer called "Hallo, Riverhead, Long Island, New York. We will now continue with phonograph records." The announcer spoke with a very strong American accent. All other particulars were unintelligible. Static was very severe.—**DX2W (Wellington).**

Stations Identified

DX36W (Wellington): Station on 700 kc. (425 m.) is WLW, Cincinnati. The other on 590 kc. is probably KHQ, Spokane, Washington, which is one of the stations of the north-west triangle. **DX74W (Wellington):** 4ZP replied to my report within six days.

DX5HB: Californian station which often heterodynes 2YA is KMPC, Beverly Hills, 710 kc. (422 m.).—**DX1HB (Waipukurau).**

DX Topics

Reports Wanted by 5DR.

IN the last Australian mail I received a card from VK5DR, in which he remarked my report was the first he had received from New Zealand. He would be pleased to have further reports from DXers. Wavelength 232m. (1290 k.c.),

DX Meeting

Dxers who will be in Wellington on Monday evening, December 7, are cordially invited to be present at a dx meeting to be held in the "Radio Record" offices, third floor, Dominion Buildings, Wakefield Street, and to meet Mr. S. R. Ellis, of Okato, Taranaki, ex-president of the DX Club.

input 12 watts. This station tests mid-night, South Australian time. Address Mr. P. W. Deer, 21 Maitland Terrace, Seacliff, South Australia.—**DX5HB (Napier).**

Concerning Unanswered Reports.

LATELY I have noticed DXers complaining about certain stations not replying to their requests for verifications. Perhaps their letters, like one I have just had returned, are in the dead letter office. The letter I mentioned was addressed to U.S.A., but did not leave New Zealand.—**DX88A (Auckland).**

Our correspondent forwarded us the envelope in which was enclosed his request for verification. It was adequately addressed, and we cannot see any reason for its return from the D.L.O.—Ed.]

DX Jottings.

LATEST verifications received are: WPCC, Chicago; KFVD, Culver City; WSUL, Iowa; KMPC, Beverly Hills; and WOWO, Indiana. WPCC, Chicago, is owned by the North Shore Church. WIBO relays them fairly often. My best Mexican is XER, Del Rio, which comes in at R7-8. I think he must have increased his power, because he is only rated as a 100-watter. N. Jenkins (Masterton): VK3RG, Castlemaine, works with VK6WS, Adelaide, nearly every Monday morning at about 3 a.m. When I wrote to 3BY I enclosed two penny Australian stamps, and when he sent me the letter back it had only one stamp on it. I had to pay another two-pence. "Wainui" (Gisborne): I notice that you have 4ZW, 2MV, WFAA, and KTM on your black list. I received replies from these stations by return mail. DX74W (Wellington): I received a card from 4ZP after about a month's waiting. Aren't DXers wearing their badges in Dunedin? So far I have seen only one besides my own. 4ZF, Dunedin, was on the air between the hours 11 p.m. to 12 p.m. on November 11. They would like reports. Power is only 7½ watts.—**DX8400 (Dunedin).**

Particulars of 3CB.

FOLLOWING are particulars of station VK3CB, East Richmond, Victoria, taken from a recent verification. The aerial is a five-wire cage inverted "L," 30 feet high, and 50 feet long. Counterpoise is one wire 112 feet long and 8 feet high. They use the usual a.c. short and long-wave receivers. Their correct wavelength is now 206.8 metres (1450 kc.), they having altered from 214.2 m. to that wavelength. Full address is: William F. Sievers and L. Cranch, 26 Lesney Street, East Richmond, Victoria, Australia. Static has been very bad since October 8. On that date American

reception was very good, the best stations being KSTP, St. Paul, R9; KFI, Los Angeles, R8; KGA, Spokane, R8; and KGO, Oakland, R9. I notice that many DX-ers have stations on their black lists. Some of mine are: 2KO, 2XL, KGB, 4ZL, 3BA, and WJSV.

Christchurch, replied very promptly to my report, as I received the verification back five days after posting. J.P.C. (P.N.): I sent to JOJK for verification all right, but as I heard a part of the programme conclude with "God Save the King," I was doubtful when I wrote whether I was writing to the right station. Also, I have recently heard this station broadcasting up to and after 4.30 a.m. Recently I heard a number of speeches given, in between which there was much clapping and a few bars of music by a band. Has any DX-er received a verification from VK-3CB, mentioned above?—N. Jenkins (Masterton).

Is This An American?

"RADIO" (Waipukurau): I agree with you that an American station heterodynes 2YA. I have often heard him, and at times very clearly. I wrote the editor and asked if he knew of any station on 2YA's frequency, as I heard "Ah che la Morte" being played by an orchestra during a lecturette, and the editor answered my question, by stating that "Music may often be heard faintly in the background of 2YA's transmission, and is merely the orchestra practising in the next studio." However, after 8 p.m. 2YA is very good, and I cannot find any fault with them at all.—A.E.J. (Levin).

XER in Two States.

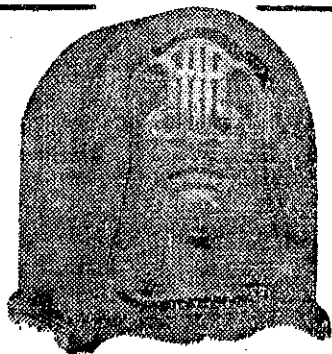
IN the panel of the relative powers of the American stations sent in by H.F.A. (Masterton) last week, I noticed WDAG, Amarillo, Texas, listed as 250 watts. I hold a verification from this station, dated April 26, 1931, giving power as 1 kw. Which is it? I see the information about XER is very hazy. From what I could pick up from him (and it may not be true), his studios are in Del Rio, Texas, U.S.A., and his transmitter is in Mexico at some place with a Spanish name. Evidently he has gone across into Mexico in order to use a higher power than the 50 kw. limit in the U.S.A.—**DX1600 (Oamaru).**

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QUESTIONS: ANSWERS

FRANK KEE

The Technical Editor will, through these columns, be pleased to help readers experiencing trouble with their sets. Queries are limited to three—for more than this a shilling fee is charged, and a similar fee is payable for queries answered by post. Supplying layouts, circuits and solutions of intricate theoretical problems is beyond the scope of this service.

A coupon must accompany all requests for information. Non-appearance of the coupon in any issue cannot be regarded as a reason for its not being used.

Address all queries, The Technical Editor, Box 1032, Wellington.

SAILOR (Ashhurst).—I am using an aerial 40 feet high and 60 feet in length. I get KFI faintly. Would it be better if I increased the length to 150 feet, and allowed 25 feet to pass over an iron roof?

A.: The higher and longer your aerial the better it is for DX. Passing it over a roof will cause certain losses by absorption, but we think even then the results will be better than with the more or less small aerial you now have.

2. I am using single flex for the lower 20 feet of the lead-in from the aerial. Is this satisfactory?—Yes.

W. I. (Wairoa).—I have a super heterodyne receiver, and wish to use a shortwave adapter. Which of those shown in the "Guide" would be most suitable?

A.: The a.c. super het. would be the best, but the coupling of this to a super heterodyne receiver is a rather ticklish problem. It is usually advisable to couple to the first of the intermediate stages rather than go straight into the aerial terminal. Our experience has been that home-constructed apparatus does not usually work at all well when used with modern commercial apparatus, and results are sometimes very disappointing. The adapter should cost about £10 or £11. We suggest you write Mack's Radio, Wellington. He is a specialist in short-wave, and will tell you all you want to know.

130A (Otago).—On moving the tuning dial, especially on stations above 1YA, loud bumps are heard in the receiver.

A.: It seems as though your condenser vanes are touching at intervals.

2. Can I add a tone control with little alteration to my set?

A.: Yes; quite easily. Determine the grid terminals of each of the two power valves, and slip a metal connection under each. Carry these out and take one to a 50,000 ohms resistance and the other to a .006 condenser. Connect the condenser and resistance together, and there you have your tone control. You must make quite certain that the leads do not touch the metal parts of the set.

3. Can multi-mu valves be used to replace present screen-grid ones?

A.: They could, but in order to get the fullest efficiency from the valves they should have their own circuit. However, the screen-grid valves are really quite efficient, and we think you would be disappointed if you used multi-mu valves in your circuit.

BROADCAST (Auckland).—I cannot turn up the volume control of my set, because of a crackling noise which is practically continuous.

A.: Take off your aerial and then try turning up the set. If the crackling noise comes in with almost equal intensity, then there is something wrong within the set, probably a defective resistance, and you should communicate with the agent who sold you the set. If, however, the crackling does not appear when the aerial is off, it is evident that it is due to outside interference over which you have no

control. The problem of outside interference is one that is to receive the attention of the new Radio Board.

PAT (Cambridge).—Could I charge my 100 volts "B" accumulator with a 4-volt 60-amp accumulator?

A.: No; you cannot charge one accumulator from another unless you want to inflict damage. You could charge it from a 4-volt charger by breaking up the 100 volts "B" accumulator into 4 volts sections.

EHMJ (Mangaweka): You do not connect the centre tap of the a.f. 8C transformer to a resistance to earth, but direct to earth. However, between the centre tap of the filament resistance and earth is a 1500 ohms resistance.

2. Is it possible to run 245's with an a.c. 2½-volt filament, the rest of the set being battery?—Yes.

3. What must be the value of the centre tapped resistance across the filament lead?

A.: Anything between 20 and 50 ohms.

4. Where do I connect "A—" and "B—"?

A.: To earth; that is, to a point common with the centre tap of a.f. 3C and the resistance from the centre tap of resistance "C."

C. M. (Lower Hutt): I have condensers with 11 plates each. Would those be suitable for the "Radiogram Five"? If so, what would be the coil specifications?

A.: They would be rather too small in the "Radiogram Five." However, if you want to try them wind the secondary coils with 30 gauge d.s.c. wire, using 90 to 100 turns. The primary should consist of from 40 to 50 turns of 34 gauge wire, while the reaction coil will be approximately 60 turns of the same gauge.

W. H. (Gisborne): I have built the "Night Hawk Two," using the "Kestrel" method of aerial coupling and grid return. Gradually insensitivity has set in, until now the coils are almost useless. I thought the batteries were at fault, so I took a couple from another set, but there was very little improvement in the short-waver. I changed the grid-leak, but no better.

A.: We think the trouble is with the batteries. What have you done about the "A" battery? Although it may be an accumulator and freshly charged, yet an internal short may be taking place and the voltage rapidly dropping. Test your batteries with the meter while they are actually connected with the set. You can probably borrow a meter from your local dealer to do the job. Have your valves tested. Take off the earth, and examine the earth connection and the earth to make quite certain that they are all right. Try a smaller condenser in series with the aerial.

2. Can the coils have any inherent defect?—No.

T. W. (Petone): My "Ranger Two" is insensitive. I am using the wrong value of coils and condensers, the latter

being .00035. Could you give me the number of turns for these coils?

A.: Using a coil designed for a .0005 with a .00035 condenser will not diminish the sensitivity of the receiver as a whole; rather it will throw the tuning range

slightly out of gear. For a .00035 you want about 10 turns more on the secondary than for a .0005. Insensitivity of your set will probably be due to a defective valve. Are the values of your condensers

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- "How to Understand Wireless Diagrams," 1/7.
- "Television," 1/7.
- "How to Electrify Your Radio Set" (U.S.A.), 1/3.
- "Batteries and Accumulators," 1/7.
- "Practical Radio Construction and Repairing," by Meyer and Westrol, 15/6.
- Blue Prints—"Batteryless Neutrodyne," "Selective Crystal Set, Two Stages Audio," "3-Valve Neutrodyne, One Transformer and Two Resistance-coupled Audio Stages," "2-Valve Browning-Drake," "7-valve Super Het," 1/6 each.
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and grid leaks correct, and do you have the right amount of bias on the valve? Does your set oscillate?

PEAR LAP (Napier): How can I set about lining the trimming condensers of my eight-valve commercial receiver?

A.: Without possessing special apparatus the best method would be to tune to a station at about the centre of the dial, say 1YA, then adjust the screws, commencing with one of those on the extreme. Move this in both directions, and note the effect on the volume. Leave it at the point of maximum sensitivity. If there is no change, return the screw to the position in which it was found. Repeat the process with the others.

2. Could you recommend a good book on the servicing of commercial receivers?

A.: Servicing of commercial receivers is a job beyond the amateur. Furthermore, it will not be long before interference with a commercial is prohibited by regulations. When a set loses sensitivity and the valves are still good, one should test for voltage on the screen, plate and grid of all the valves. Without this voltage test one more or less works in the dark and may do more harm than good. To test these voltages, special testing apparatus is necessary, and as the amateur rarely has this at his command we do not recommend interference with commercial sets, unless it is, of course, to trim up the condensers. Have you checked over your aerial and earth connections to make quite certain they are in order? Have you tested your rectifying valve? There are very few good books on the servicing of radio sets, unless it be Reynier's "Testing Radio Sets." He deals mainly with battery sets.

L. H. (Waikanae): I have been troubled with persistent crackling in the set, and have taken my whole outfit to a radio dealer, who says everything is alright. As soon as I instal it in my home the noise starts again.

A.: We cannot give you much help under these circumstances. We would

imagine the fault to be within the set itself, probably due to a loose connection or to a defective resistance, which, although it did not show up in the test was, nevertheless, present, and taking the set to your home disturbed it again. It may be a broken down condenser in your power pack.

2. Where can I obtain an article on an Armstrong three-valve circuit?

A.: There are really dozens of Armstrong circuits, for Armstrong was the man who brought about the regenerative method of coupling. A regenerative circuit was shown in last week's "Radio Record," and used with the "Eagle Five" this week. A typical three-valve circuit was the "Ranger Three" described in the "Radio Record" some months ago.

E. C. S. (Rotorua): I added an extra valve to my three-valve set, leaving the power valve, which was in the last stage, in the set, and using a PM4. Is this correct?

A.: No; you should have taken the power valve from the last stage and employed a general purpose valve such as PM3 in what used to be the last socket, using PM4 in the last stage. By using the two power valves you are consuming far more battery current than you should. Furthermore, you are saturating the primary of the audio transformer between what used to be the last stage and the existing last stage. You may possibly burn it out.

2. What kind of speaker would be suitable?

A.: A light cone speaker.

U. X. (Te Kuiti): We do not have further particulars of the valves to which you refer. If we come across them, however, we shall notify you. From what we told you the other week you should be able to approximate the characteristics you require.

Laboratory Jottings

The G.M. Midget

WE have had the opportunity of testing a seven-valve General Motors Midget Super-heterodyne, and the following notes are based on that test.

The appearance of the set in a general way resembles that of most super-heterodynes in that it is very small and very compact. There are three controls, tuning, volume and tone. The tuning dial operates a low ratio dial graduated in kilocycles. It is of the circular pattern, an aperture in the set revealing an inch or so of the dial. A pointer indicates the frequency to which the set is tuned. We found that the frequencies indicated by the dial were within 5 per cent. of the frequencies on which the stations were operating.

In operating the set two things impressed us; in the first place the set was remarkably quiet, the noise level being reduced to a degree reminiscent of the older and generally considered quieter receivers. This has been accomplished by careful filtering on the mains side of the power transformer.

The second point was the unusual sensitivity (combined with the absence of noise).

We noted a slight difference in the relative strengths of stations received on either end of the dial. It appeared to us that, contrary to the usual, greater sensitivity was attained at the upper end of the dial.

A slightly greater number than the usual overseas stations was tuned in. Many small Australians were put on the speaker as well as several of the Japanese. It must be remembered, however, that a sensitivity test must be comparative only. In a different locality this set would undoubtedly bring in American and European stations when operated with a standard aerial and earth equipment.

The selectivity of the set is all that can be desired, our requirements being that under our own particular conditions a set should separate between 2YA, 2FC, and 4QG, and that, in doing so, it should not beat up any harmonics. Cross-modulation was entirely absent, and there were no artificial harmonics.

The tone of the set was good. It covered a wide range of frequencies, all grades of voice and music being as natural as we have heard on a set of this description. The tone control gave a nicely-graded tone, and we found that when worked more toward the bass end a most pleasing reproduction was obtained. The power output of the set was approximately 3½ watts, and when slightly less than one watt is all that is necessary for the average room, it will be realised that the set works with a great reserve of power.

The volume control is smooth and even, and satisfies our requirements—the tuning down of 2YA without removing the aerial which comprises 120 feet erected at a height of 40 feet.

Use Our Booking Offices in Advance

S-O-S

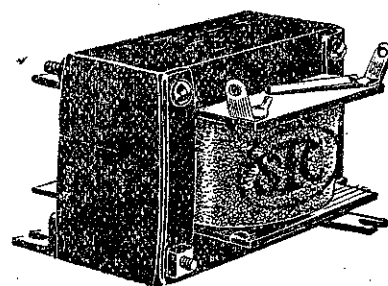
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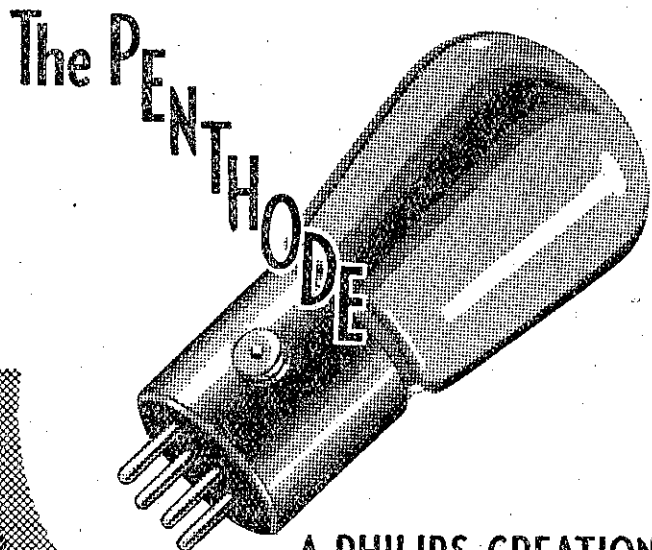


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For Simplicity, Cheapness and Power, Build ... The "Eagle Five"

(By the Assistant Technical Editor.)



ONE of the first screen-grid valves to appear on the market some four years ago—when this type of valve made its debut—was the S625. This is a cylindrically-shaped valve with a base at each end and with a special holder for mounting. Constructors of those days will remember what an excellent valve the S625 was, and its marked superiority over the triode as a radio frequency amplifier. Even to-day, when used in a suitable circuit, this valve is almost capable of holding its own with more modern types.

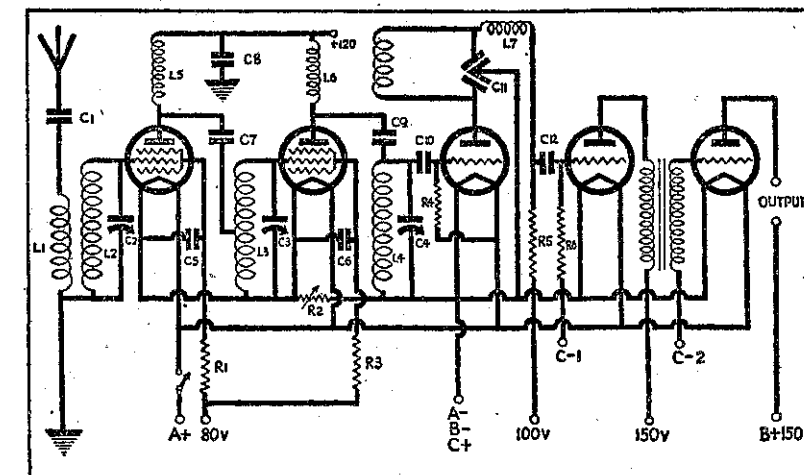
On learning that there was still quite a number of these valves obtainable in this country at a greatly reduced price, we conceived the idea of designing a powerful receiver incorporating them, and, while still giving first-rate performance, to run out as cheaply as possible. We have achieved this in the Eagle Five—a powerful and easily constructed receiver of low cost.

Briefly the set employs five valves—two stages of screen-grid r.f., detector, and a stage of resistance capacity coupled audio feeding into a transformer coupled output stage. Resistance capacity coupling has been used for two reasons. Firstly, cheapness—it eliminates an audio transformer—and, secondly, tone. Two stages of r.c.c., however, would not give enough "lift," and, what is more, would tend to accentuate the treble. Again, with two transformers, amplification on near-by stations is often excessive, with resultant overloading of the output valve, and, in addition, tone often has a tendency toward prominence of bass. Thus a combination of the two methods was finally selected.

The Circuit.

NOW for a few words about the circuit, which is really quite conventional. The two r.f. stages are auto-coupled, or, in other words, the lead from the plate of the first r.f. valve is taken through a condenser to a tapping on the next secondary—in this case, halfway down the coil.

By auto-coupling in this way the S625 is, to a certain extent, modernised, for the effect of inter-electrode capacity is



The circuit diagram. Constants will be given next week.

reduced by one-quarter of that it would have in the normal "tuned grid circuit," in which the anode of the first valve is taken to the top of the next secondary. Though a certain amount of amplification is lost with auto-coupling, yet improved stability is achieved. The loss of amplification is to a certain extent offset by the design of the coils

The first coupling condenser has a capacity of .00025 mfd., and the second .001 mfd. These values especially the second, should be strictly adhered to.

The r.f. chokes in the plate leads of the two screen-grid valves block the r.f. current and pass plate current, and in order to ensure stability should be of high quality.

The two 1mfd. fixed condensers and the two 1000 ohm resistances in the screening-grid circuits of the first two valves are included for de-coupling purposes. The specified capacity, i.e., 1mfd., of these two fixed condensers should, within limits, be adhered to, but the value of the resistances chosen is not so important. However, a very low value of resistance hardly provides a sufficiently effective barrier to r.f. current, but the choice of too high a value will do no more than lower the screen voltage by an insignificant

amount. Resistances with non-inductive windings should be chosen.

It will be noticed that the second stage of r.f., like the first, is well-screened from the remainder of the set. This is vitally necessary, for the r.f. currents have been once amplified and insufficiency of screening would be certain to cause instability. The sec-

ond r.f. stage is not auto-coupled to the detector because in that circuit conditions different from those obtaining in the r.f. stages exist.

Leaky-grid detection is employed as being the most sensitive and because it requires the least plate voltage—an important factor in a battery-operated set. Reaction is controlled by a differential reaction condenser.

As with the "Outspan Five," we debated whether to include reaction or omit it and gang all tuning condensers. Reaction won. A great majority of our constructors, we believe, desire to get the last ounce out of a receiver, and to do this they have not the slightest objection to manipulating several controls. In fact, some set-builders we have met aver that the more dials there are on a set the happier they are! Of course, reaction can be used quite successfully with ganged tuning condensers, but only if the coils are scientifically matched—a difficult task for the amateur. Even in this case, however, there is a slight loss in sensitivity.

It will be noticed from the photographs and layout diagram (to be published next week) that all de-coupling resistances, chokes, and by-

The Eagle Five

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1 Set of Special Eagle Coils	25/-
3 Lotus Ball Bearing .00035 Condensers	each, 7/6
3 Telsen R.F. Chokes	each, 3/-
2 1000 ohm. Bulgin Decoupling Resistances	each, 2/6
1 Lotus .00027 Differential Condenser (recommended)	7/6
3 Standard 1 mfd. By-Pass Condensers	each, 2/3
2 .0002 T.C.C. Mica Condensers	each, 1/6
2 .0002 Telsen Mica Condensers	each, 9d.
1 Ferranti .0003 Grid Leak with 3 meg. Leak	3/-
1 100,000 ohms. Ferranti Leak, with Holder	2/6
1 250,000 ohm. Ferranti Leak, with Holder	2/6
1 J.1 Ferranti Coupling Condenser	
1 Audio Transformer, Telsen Ace	8/-
3 W.B. UX Sockets, with Terminals	each 1/3
2 S625 Valves, with Bases	each, 5/-
3 Valves, Recommend Osram Det. L610, 1st Audio L610, PWR P610	each 13/6
Aluminium Base, special screen panel	8/-
Screws, Glazite, 4 Terminals, etc.	4/-
5ft. Battery Cable	2/-

WE CAN QUOTE CHEAPER ALTERNATIVE PARTS, including Differential Condenser, 3/6; .00035 Tuning Condensers, 6/-; UX Sockets, 10d. each; Premier Audio Transformers, 6/- each; 1000 ohm. Spaghetti Resistances, 1/- each; R.F. Chokes, 2/-; 1 and 3 meg. Leaks, 1/6 each; Holders, 8d. Everything guaranteed RELIABLE AND BRITISH. ...

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Arcturus 101A 6-volt Valves, equivalent of 201A each, 6/6 || "Ray-o-Vac" 45-volt Super Heavy Duty "B" | each 16/6 |
Marcon HL610, UX Base Valves. General Purpose .1 amp. Filament. This type is now superseded by a better valve, but is quite good	each 5/-
1 Leowe 4-volt 40 amp. Accumulator, as new	27/6
Super Sixty Coils, as necessary for the super 6 Set, booked to arrive £3/5/- per set, ex stock, £3/10/-	

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DUBILIER CONDENSERS, .00035, 9/6 and 15/-; GRID LEAKS, 1/6; RESISTANCES, 2/6; DUBILIER CHOKES, 5/6; DUBILIER DIFFERENTIAL CONDENSERS, 5/6; DUBILIER .0002 and .0003 CONDENSERS, 2/-; OSRAM S625 VALVES and SPECIAL BASE, 15/-; GLAZITE, 8d. per 10ft. Coil; STALLOY, 1/3 per lb.

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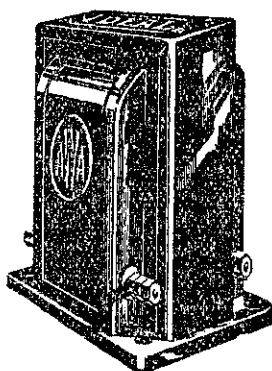
For This Week's Special Circuit

The famous Marconi Screen-Grid Valve Type S.625 for inclusion in the special circuit described in this week's "Radio Record", can now be obtained at a remarkably low figure from all Radio Dealers. For best results in this special circuit as well as all other circuits use only AWA Ideal Transformers, AWA Logarithmic Condensers and AWA Valve Sockets.

The A.W.A. IDEAL TRANSFORMER

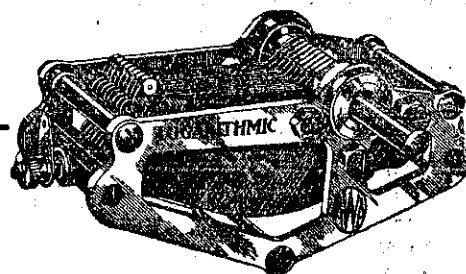
is available in three ratios: 2—1, $3\frac{1}{2}$ —1 and 5—1. They are enclosed in an attractive bronze duco-finished shield, the average weight being 1 pound $4\frac{1}{2}$ ounces. The overall measurements are: base, 2 3-8 inches by 2 inches, and height 3 3-8 inches.

The Ideal Transformer has been designed to give distortionless reproduction over the broadcast frequencies, and includes ample iron and copper combined with high-grade insulation, thus ensuring efficient performance under all normal conditions. The terminals are mounted low down to simplify wiring and are each clearly indicated with their correct designations.



The A.W.A. VALVE SOCKET

High-grade genuine moulded Bakelite Insulation.
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The A.W.A. LOGARITHMIC CONDENSER

is manufactured in four capacities: .0005 mfd. (23 plates), .00035mfd. (17 plates), .00025mfd. (13 plates), .0001mfd. (7 plates), and is so designed that it follows a true logarithmic scale throughout. They incorporate an absolute minimum of insulating material; and the metal frame has been reduced as far as practical, thereby ensuring low loss, especially on short waves.

They are designed on the centraline principle which, combined with their logarithmic (square law) characteristic, ensures selectivity in tuning. The hollow spindle makes provision for clockwise and anti-clockwise movement, together with gang operation if required. The entire Condenser is silver plated, giving it a neat and attractive appearance.

Above goods obtainable at all high-grade Radio Stores.

Amalgamated WORLD WIDE **Wireless**
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pass condensers, together with the grid-bias battery, are located underneath the aluminium baseboard. Thus, shortness of wiring and neatness of layout have been secured, while the above baseboard appearance of the set is considerably enhanced.

Building the Set.

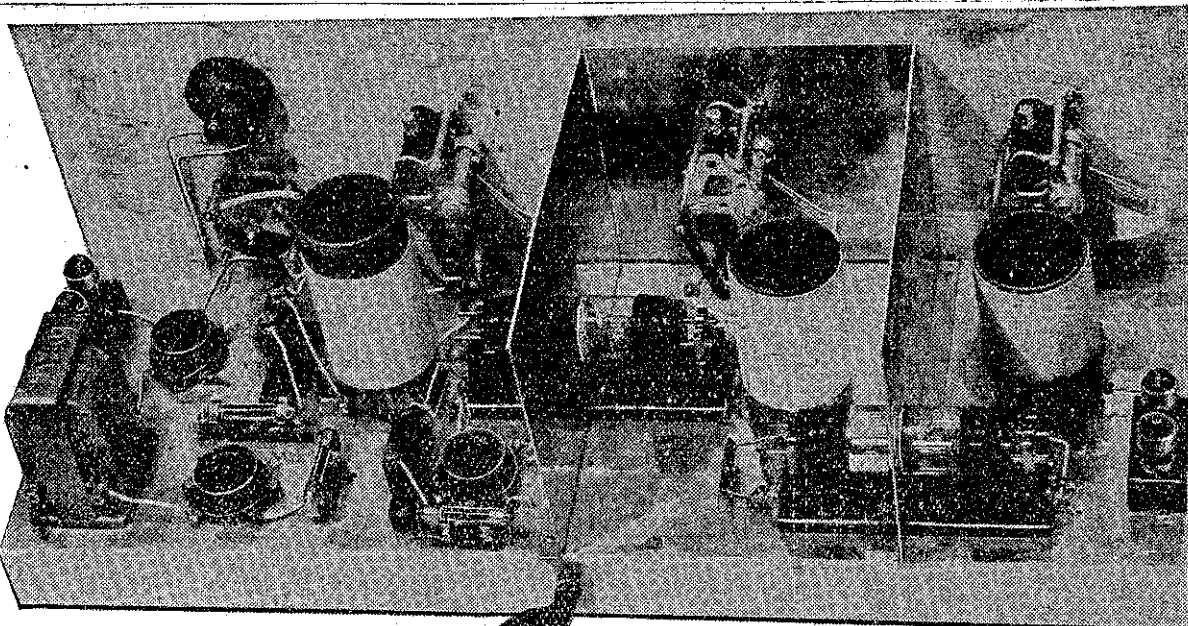
NOW for the set itself. The first thing to do is to procure the aluminium baseboard and shielding, the panel and the necessary parts. These should all be obtained and checked up against the list of parts given on this page before construction is commenced.

The baseboard and vertical shield compartment may be bought ready made or can be shaped by the constructor from sheet aluminium from the dimensions given. Unless suitable tools are to hand, however, we strongly advise the former. To avoid cutting gaps in the aluminium and thus reducing the effectiveness of the screening, the valve holders themselves are cut in half and mounted, on each side of the shield, in the manner shown. The leads running to the ends of the valve holders marked "A" and "G2," should be on insulated flex to allow this portion of the valve holder to be withdrawn about $\frac{1}{4}$ in. from the shielding and the valve thus inserted or withdrawn.

The Coils.

AFTER securing all the parts, the next task is to wind the coils. These are quite straightforward, and should present no difficulty. All are wound on a 2 in. former, which may be of ebonite or glazed cardboard. One 4 in. and two 3 in. lengths of this will be required. The three secondaries are wound with 26 d.c.c. wire, while the primary of the first r.f. coil and the reaction coil are wound with No. 32 d.s.c. About $\frac{1}{2}$ lb. of the former and a few yards of the latter will be ample.

Now for the first r.f. coil. This will have three soldering lugs at its base, for connections to aerial, earth, and the grid of the first valve. Care should be taken when commencing and finishing off windings that these are taken to points nearest to those to which they are to connect. For example, in the first coil, the soldering lug to which the top of the primary is connected should be directly opposite the aerial terminal. Again, the bottom of the primary and the bottom of the secondary, which are taken to a common tap, should be as close as possible to the moving vanes of the first variable condenser. Finally the top of the secondary should be taken out to a point which will give the shortest connection with the grid of the first valve. It is in watching little points like these that shortness in



A comprehensive view of the completed receiver. In the experimental model the vertical screen is not flush with the top of the panel, as it should be.

wiring and increased efficiency is obtained. The constructor may get a general idea of where the soldering lugs should be mounted on the coil from the photograph reproduced above, but next week a layout diagram showing clearly the disposition and wiring of every component will be published.

Now for the coil itself. About a $\frac{1}{4}$ in. from the end of one of the 3 in. lengths

side of the coil to the soldering lug designed for it. We are now ready to wind on the primary. Ten thin ebonite spacers, preferably of semi-circular cross section and about $\frac{1}{4}$ in. long, are then stuck with seccotine, or glue, at equal intervals round the bottom of the secondary. The coil of No. 30 d.s.c. is now taken and the end attached to the soldering lug to which is soldered

inside the coil to the soldering lug intended for it. Alternatively it will be found that the wire will be held quite securely if a turn is taken round one of the ebonite spacers and then taken down outside the coil to the soldering lug.

Two points about the winding of this primary. A strip of celluloid or of brown paper may be substituted for the ebonite spacers. Correct spacing of the primary, i.e., the thickness of one turn, is rather difficult to achieve unless the following procedure is adopted: Secure a piece of thread or thin twine, of about the thickness of the wire employed for the primary, and wind it on together with the primary, alternating the windings. At the completion of the coil the thread is then unwound and the primary will be correctly spaced.

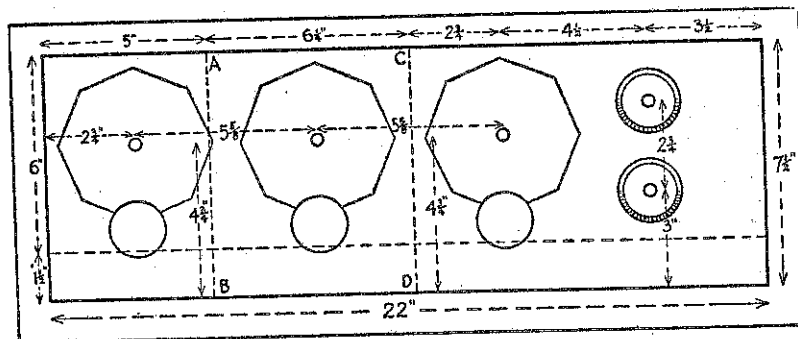
When the two angle brackets for mounting the coil on the baseboard have been screwed on, the coil is complete.

The next coil, which consists of 85 turns of No. 26 d.c.c., centre tapped, is the simplest of all. The same procedure regarding the placing of the soldering lugs should be followed with this coil, and the winding commenced. After 42½ turns have been wound on, a hole is made in the former, and the wire doubled and threaded through. It is then taken to the soldering lug, the double end being bared for attachment. In this way the soldering on of a tapping is avoided. The winding of the coil is now continued until another 42 and a fraction of a turn are wound on. The necessary holes are pierced and the ends taken down in the ordinary way.

The secondary of the third coil is wound on in exactly the same way as the first, but the number of turns is reduced to 77, owing to interaction of the secondary with the reaction coil just above it, and the reduction in number of turns is necessary to give approximate matching of the condenser dial readings.

Exactly 1-8 in. above the top of the secondary two holes are pierced and the reaction winding, consisting of 23 turns of close-wound 32 d.s.c. is placed on. The end of this winding is taken to a soldering lug on top of the former or enough wire is left after anchoring

(Continued on page 30.)

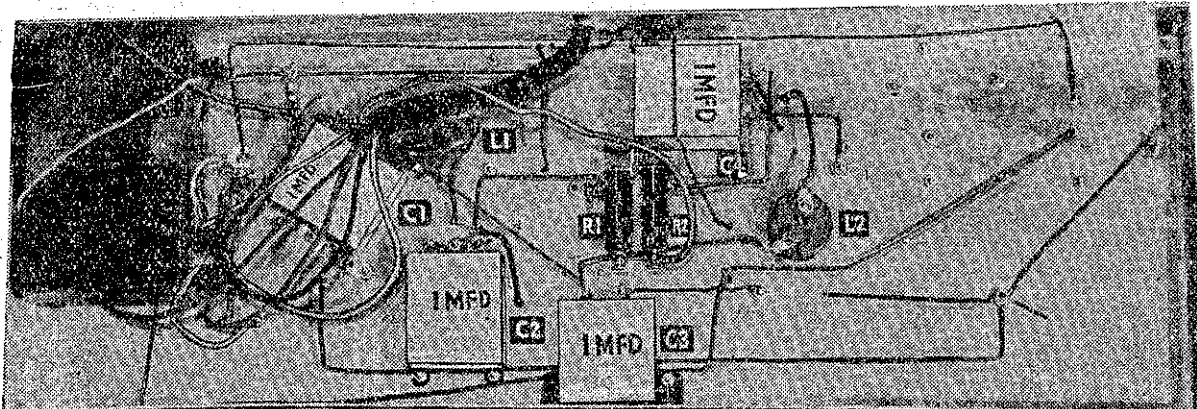


The above sketch gives the measurements required for the drilling of the panel.

of former make two small holes parallel to the edge of the former and at right angles to its axis. The end of the 26 d.c.c. wire is doubled through these and attached to a soldering lug mounted on the base, and 85 turns are wound on. The end is doubled through two similar holes to prevent the coil unwinding, and then taken down the in-

the bottom of the secondary. Twenty-five turns, slightly spaced, are then wound on.

The end may be anchored at the top by two methods. In the first, the turns of the secondary are pushed slightly aside and a small hole made in the former underneath. The end of the primary is then passed through and down



An under-baseboard view of the completed receiver. L1 and 2 are r.f. chokes in the s.g. plate leads, and R1 and 2 decoupling resistances in the screening-grid leads.

FEATURE PEEPS

... at ...

FUTURE PROGRAMMES

SUNDAY

Notes from 1YA

THE REV. LIONEL B. FLETCHER will be the preacher at Beresford Street Congregational Church when the service will be broadcast. The organist will be Mr. A. Cherry and the choir-master Mr. Wm. Gemmell. A relay of the Municipal Band Concert in the Town Hall will follow.

At 2YA

AT 3 p.m. a lecture by Dr. Albert F. Gilmore, C.S.B., entitled "Christian Science," will be relayed from the De Luxe Theatre. At 7 p.m. the service in St. Thomas's Anglican Church will be broadcast, the preacher being the Rev. C. V. Rooke.

To-night the delightful musical comedy, "Lilac Time," which is built upon Schubert's melodies by the American composer, Clutsam, will be broadcast. A new combination of chosen voices, and styled the 2YA Vocal Octette, will sing this charming work.

The Wellington Artillery Band, under the conductorship of Capt. T. Herd, will also be heard in a fine programme.

Christchurch Items

THE service in St. Andrew's Presbyterian Church will be broadcast, the Rev. J. Lawson Robinson being the preacher, with Mr. R. E. Lake at the organ and Mr. J. Maclean as choir conductor. The local portion of the after-church studio concert will be provided by Mrs. Sydney Bryant and W.

H. Dixon, singing solos and duets, including two negro spirituals and other popular numbers. On the instrumental side will be featured Beethoven's "1st Symphony," played on one piano by Aileen Warren and Maisie Ottey. An orchestral programme will be provided by the Studio Octet, under Harold Beck. Concluding the programme will be a half-hour's gramophone lecture-recital, on "A National Musical Idol," by Karl Atkinson.

Dunedin Features

A SALVATION ARMY Service, conducted in the Citadel by Adjutant Tong, will be broadcast, a relay of 3YA's concert following.

MONDAY

Wellington Topics

GLADYS WATKINS (piano) and Nancie Holloway (violin) will present their third programme of classical dances, playing dances by Handel, Chopin, Grieg, Bantock, and others. The Ariel Singers will be heard in quartets, a duet, and solo numbers. The Orchestra, under the conductorship of Signor A. P. Truda, will provide the orchestral music.

Items from 3YA

SPEAKING under the auspices of the W.E.A., Dr. C. E. Beeby will take as his subject "All Men Are Liars."

A programme by the Salvation Army Band, under Mr. N. G. Giffin, will be broadcast.

Dunedin Notes

DURING the International Programme the lecturer will be Mrs. W. N. Benson, M.A., speaking on "The Historic Relations Between China and Manchuria."

TUESDAY

At Auckland

A NEW series of talks commences this evening at 7.40 under the auspices of the W.E.A., the speaker being the



BETTY HILLIARD,
a well-known Christchurch vocalist,
who broadcasts from 3YA.
—Steffano Webb, photo.

Rev. W. G. Monckton, M.A. Mrs. Gordon Robertson, who has already been heard from 1YA, will be the lecturer on the International Programme, the subject of her talk being: "Music—A National and International Art."

Wellington Notes

THE evening studio concert will be of the popular type. The Salon Orchestra will play several overtures, and the latest dance novelties, while the major portion of the vocal items

FEATURETTES

Lilac Time

2YA, Sunday.

St. Andrew Programmes

4YA, Tuesday.

1YA, Wednesday.

"The Merry Widow"

4YA, Wednesday.

"The Quaker Girl"

2YA, Thursday.

Maori Folk Songs

2YA, Friday.

Old-time Dances

4YA, Friday.

The Boy

4YA, Saturday.

will be given by the Melodie Four. Features of these will be the quartets "Wanganui Moon," "Moonlight on the Colorado," and "An Evening Pastoral." Also on this programme will be Mrs. Charles Pengelly (contralto), a newcomer to 2YA.

Dunedin Features

A Scottish concert to commemorate St. Andrew's Day, will be broadcast. Mr. W. B. McEwan, Librarian at Dunedin Public Library, will give a talk about Scotland's Patron Saint. The Highland Pipe Band will present several selections, while Scottish songs will be sung by the Regal Four, in solo, duet, and quartette form.

Additional instrumental numbers will be contributed by Eva Judd (violiniste).

WEDNESDAY

From 1YA

UNDER the auspices of the Akarana Association, Mr. E. H. Nepia will give a talk on "Maori Pronunciation."

A special programme in commemoration of St. Andrew's Day is to be broadcast. The whole entertainment will be given by the Caledonian Concert Party, and should appeal to all Scots and lovers of Scottish entertainment. The programme will consist of pipe music, vocal solos, and plenty of Scottish humour.

Wellington Notes

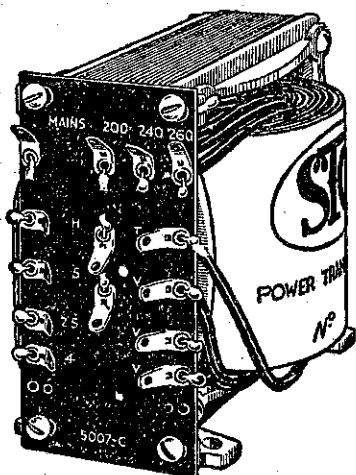
DR. GUY H. SCHOLEFIELD, O.B.E., will be the lecturer on the evening's International Programme.

From 3YA

THE Christchurch Orchestral Society's third concert of the season will be broadcast on relay from the Radiant

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THE MASTER VALVE



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Two Types, £3/15/- each.

Hall. As usual, a particularly attractive programme will be presented.

4YA Notes

The concert programme will be devoted to a presentation of the principal excerpts from Lehar's light opera, "The Merry Widow."

The cast of characters comprises Mae Matheson, Margaret Green, H. Johnston, and C. S. Hawes. Between the acts there will be selections by a trio consisting of Ethel Wallace and Miss Baker and Mr. J. Blyth.

THURSDAY

THE subject of the home science talk from 1YA, 2YA and 3YA will be "Spring Salads."

From Auckland

AT 12.15 p.m. the mid-day service in St. Matthew's Church will be relayed. At 7.40 p.m. a talk, under the auspices of the New Zealand Manufacturers' Association, will be given on "Work for the Boys and Girls Leaving School."

The evening's broadcast will be devoted to a relay from the Town Hall of a concert by the Royal Auckland Choir, conducted by Dr. A. W. Thomas.

2YA Features

AT 7.40 p.m. Dr. Findlay, medical officer of the Health Department, will give a lecture entitled "Personal and Community Health—Past and Present."

The evening programme will feature the Etude Quartet in excerpts from "The Quaker Girl." All the principal solos, duets, and quartettes from this popular musical comedy will be included.

Miss Gracie Kerr and James Cooke will delight listeners in two humorous sketches. The Salon Orchestra will supply the incidental music, and suitable electrical recordings will be included in the programme.

Christchurch Notes

THE lecturer on 3YA's international programme will be Mr. L. R. R. Denny, M.A., F.R.H.S., speaking on "Anglo-French Relationships."

FRIDAY

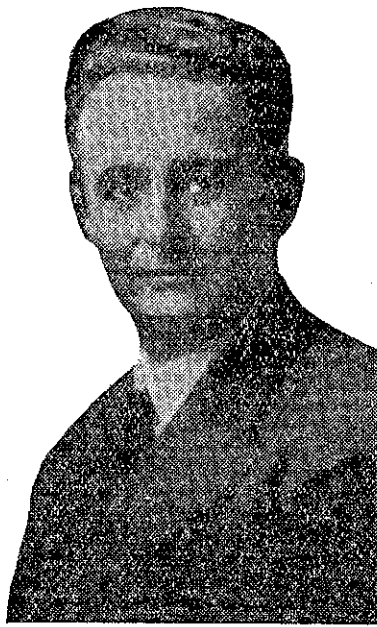
From Auckland

SEVERAL new artists are making their appearances on the evening programme. Abel Rowe, a very well-known singer, is singing some of his own compositions, and Annie L. Lewis, contralto, will be heard in a group of ballads. Saxophone and novelty piano items will be given by the Watters-Rae Duo and other artists appearing will be Mrs. G. T. Brian in popular songs at the piano, and Cyril Towsey, solo pianist.

2YA Notes

A feature of the programme will be the Aotea Trio of male voices, specialising in Maori folk songs. Claude Moss (baritone), who organised the trip, will also be heard in the solo, "Kamata."

Edwin Dennis (tenor) and Ena Rapley (soprano) will please listeners with solos and duets from the musical



ERNEST DRAKE.

One of the most widely known tenor singers in New Zealand, who has sung for all the important musical societies throughout the Dominion. Mr. Drake is well known to radio audiences, and last broadcast from 4YA on Sunday, November 15, in a bright and varied programme which he organised. On this occasion he had the assistance of Mary Pratt (contralto), Freda Elmes (soprano), Wilfred Kershaw (bass), and C. S. Hawes (baritone), as soloists, and a chorus of selected voices.

comedy "Rejuvenation," by Wynn and Andre. This play has not yet been heard in New Zealand. J. A. Blackwood will contribute piano-accompaniment numbers. The Orchestra, under the conductorship of Signor A. P. Truda, will contribute light orchestral numbers.

3YA Features

NORMA and MARGARET MIDDLETON, playing violin and piano respectively, will give recitals of Scottish and Irish folk songs in the evening. The Two Rascals will present vaudeville turns. The whole programme will be of a popular nature.

Dunedin Features

Variety will be the keynote in the programme, which will be of an old-time nature. Dag's Band will intersperse the programme with tunes of other days—Lancers, barn dances, Irish quadrilles, and waltzes. The Happy Four will sing many old favourites, including a number of negro songs.

SATURDAY

Auckland Notes

THE station will be on the air from noon to give results of the first day of the Takapuna Jockey Club's meeting. In the evening a concert to be given by the Municipal Band, under the conductorship of George Buckley, will be relayed from the Town Hall.

From Wellington

A CONCERT by the Wellington Commercial Travellers' and Warehousemen's Association Male Voice Choir will be relayed from the Concert Chamber Town Hall.

Dunedin Notes

THE station will be on the air at noon to broadcast trotting results from Forbury Park.

Both 4YA and 3YA will broadcast on relay from His Majesty's Theatre, Dunedin, a performance of Monckton's light opera, "The Boy," as produced by the Dunedin Amateur Operatic and Dramatic Society under the direction of Major F. H. Lampen. Mr. T. J. Kirk-Burnand is the

musical director. As in the production of "A Country Girl," an excellent cast has been selected.

Printer's Error

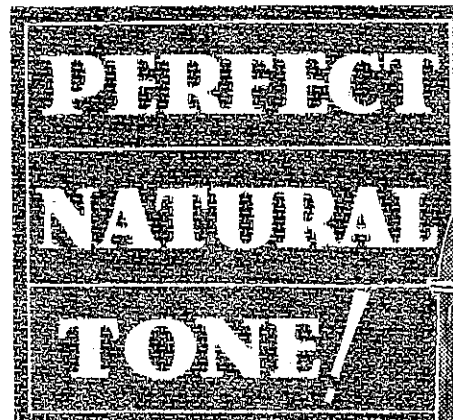
IN the "Majestic" advertisement which appeared in our issue of November 13, the manufacturers' name was incorrectly spelt. The correct spelling is:—

Grigsby-Grunow Company, Chicago.

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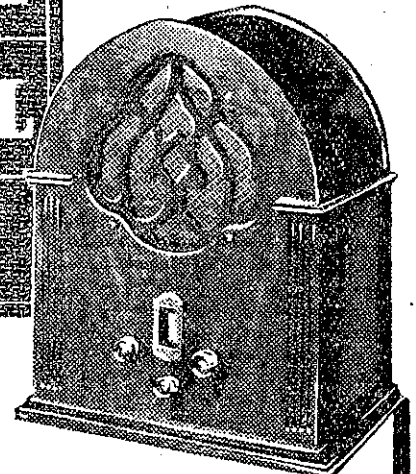
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DEALERS THROUGHOUT NEW ZEALAND.

Full Programmes for Next

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Sunday, November 22

1YA, AUCKLAND (875 KILOCYCLES)—SUNDAY, NOVEMBER 22.

- 3.0 : Chimes. Selected recordings.
 3.15 : Literary selection.
 6.0 : Children's song service, conducted by Uncle Leo.
 7.0 : Relay of service from Beresford Street Congregational Church. Preacher, The Rev. Lionel B. Fletcher. Organist, Mr. A. Cherry. Choirmaster, Mr. William Gemmell.
 8.30 : Relay of Municipal Band Concert from the Auckland Town Hall. March—The Band, "The Bond of Friendship" (Mackenzie Rogan); overture, "Academic Festival" (Brahms).
 Cornet duet—Messrs. F. Bowes and J. Davies, "Hear Me, Norma."
 Selection—The Band, "Parsifal" (Wagner); entracte, "Berceuse" (Godard); selection, "Princess Ida" (Sullivan); Wiegand, "Cradle Song" (Brahms).
 Flute solo—Mr. Hal C. McLennan, "Russian Fantasia" (Levy).
 Moreau—Band, "Vision" (Von Blon); hymn, "Now Thank We All Our God" (Bidgood); march, "Treue um Treue" (Rust).
 10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, NOVEMBER 22.

- 3.0 : Relay from the De Luxe Theatre of a lecture on "Christian Science" by Dr. Albert F. Gilmore, C.S.B., of Boston, Mass.
 6.0 : Children's song service, conducted by Uncle George, and assisted by the children's choir from the Thorndon Methodist Church.
 7.0 : Relay of evening service from St. Thomas's Anglican Church, Wellington South. Preacher, Rev. O. V. Rooke. Organist and Choirmaster, Mr. W. G. Gatheridge.
 8.20 (approx.) : Concert by the Wellington Artillery Band (Conductor, Capt. T. Herd, V.D.), and Vocal Octet presenting "Lilac Time," by Schubert-Clutsam.
 Hymn—The Band, "The Guardian Hymn" (arr. Herd).
 Selection—Band, "Opera Bouquet" (arr. Bidgood).
 Vocal Octet, "Lilac Time" (Schubert-Clutsam).
 Chorus—"O, the Maytime."
 Trio—"Just a Little Ring."
 Quartet—"Four Jolly Brothers."
 Quintet—"Hark, Hark the Lark."
 Quintet—"Under the Lilac Bough."
 Duet—"The Golden Song."
 Finale—"Prosit, Prosit."
 Weather report and station notices.
 March—The Band, "Rajamahendri" (Hume).
 Euphonium solo—Bandsman N. P. Hildreth, "Sundered Hearts" (Flick).
 Cornet duet—Sergt. W. H. Bowman and Bandsman J. Bagnall, "Panorama" (Greenwood).
 Vocal Octet—"Lilac Time," Act 2 (Schubert-Clutsam).
 Solos—"Serenade," "Vision Song," "Dream Enthralling."
 Sextet—"When Skies are Blue, When Pigeons Coo."
 Duets—"The Flower," "Girls and Boys."
 Finale—"I Want to Carve Your Name."
 Selection—The Band, "Don Giovanni" (Mozart).
 Vocal Octet—"Lilac Time," Act 3 (Schubert-Clutsam).
 Septet—"Strolling Through the Morning Air."
 Solo—"My Sweetest Song of All."
 Duet—"When the Lilac Bloom Uncloses."
 Finale—"I Ask the Spring, Blossom Laden."
 March—The Band, "Arnside" (Rimmer).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, NOVEMBER 22.

- 3.0 : Gramophone recital.
 5.30 : Children's song service by children of Presbyterian Sunday Schools.
 6.15 : Chimes from studio.
 6.30 : Selected recordings.
 7.0 : Relay of evening service from St. Andrew's Presbyterian Church. Preacher, Rev. J. Lawson Robinson. Organist, Mr. R. E. Lake. Choir Conductor, Mr. J. Maclean.
 8.15 (approx.) : Studio programme—
 Orchestral—Philadelphia Symphony Orchestra, "Carmen" Prelude to Act 1 (Bizet) (H.M.V. E531).
 8.18 : Contralto—Mrs. Sidney Bryant, with octet accompaniment, "The Song My Mother Sang" (Grimshaw).
 8.22 : Piano duet—Misses Aileen Warren and Maisie Ottey, "Beethoven's First Symphony," (a) "Adagio"; (b) "Allegro Conbrio"; (c) "Andante."

- 8.37 : Contralto and tenor—Mrs. Sidney Bryant and Mr. W. H. Dixon, "The Peace of the Valley" (Balfe, arr. Newton).
 8.41 : Orchestral—Studio Octet (Conductor, Harold Beck), (a) "Preamble"; (b) "A Norfolk Folk Tune"; (c) "Slow Air"; (d) "Jig and Finale."
 8.51 : Tenor—Mr. W. H. Dixon, Negro Spirituals, (a) "'Tis Me, Lord" (arr. Ivey); (b) "I've Got a Robe" (arr. Ivey).
 8.56 : Violin—Miss I. Morris, with Studio Octet, "Meditation" (Glazounov).
 9.0 : Weather forecast and station notices.
 9.2 : Contralto and tenor—Mrs. Sidney Bryant and Mr. W. H. Dixon, "The Banks of Allan Water" (Trötl).
 9.5 : Piano duet—Misses Aileen Warren and Maisie Ottey, "Beethoven's First Symphony," (a) "Menuetto"; (b) "Finale."
 9.14 : Contralto—Mrs. Sidney Bryant, "A Storm Lullaby" (Sanderson).
 Tenor—Mr. W. H. Dixon, with octet accompaniment, "Mountain Lovers".
 9.21 : Orchestral—Studio Octet, (a) "La Fenetre D'Amour" (De Severac); (b) "Spanish Dance" (Moszkowski).
 9.30 : Gramophone lecture-recital by Mr. Karl Atkinson, "A National Musical Idol."
 10.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, NOVEMBER 22.

- 3.0 : Selected recordings.
 5.30 : Children's song service, conducted by Big Brother Bill.
 6.15 : Selected recordings.
 6.45 : Relay of evening service from Salvation Army Citadel, Dowling Street, Dunedin. Preacher, Adjutant Tong. Band Conductor, Mr. A. Millard.
 8.15 : Relay of concert programme from 3YA, Christchurch.
 10.1 : God save the King.

2XB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, NOV. 22.

- 6.0 to 6.45 : Children's Sunday service.
 8.15 to 10.0 p.m. : Concert programme.

Monday, November 23

1YA, AUCKLAND (875 KILOCYCLES)—MONDAY, NOVEMBER 23.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, NOVEMBER 23.

- 10.0 : Chimes. Selected gramophone recordings.
 11.12 : Lecturette—"Cooking."
 11.37 : Lecturette—"Health Hints or First Aid."
 12.0 : Lunch hour music.
 2.0 : Selected recordings.
 3.30 and 4.30 : Sporting results.
 5.0 : Children's hour, conducted by Uncle Jeff.
 6.0 : Dinner music session—"Parlophone."
 Dajos Bela Orchestra, "Russian Fantasia" (Lange) (A4003).
 The Victor Olof Salon Orchestra, "The Merchant of Venice—Incidental Music"—(a) Prelude No. 1; (b) Intermezzo "Portia" and Oriei March; (c) Prelude No. 2; (d) Doge's March (A4301-2).
 Parlophone Dance Orchestra, "The Skaters" (Waldteufel) (A2648).
 Opera Comique Orchestra, "The Scotchintsi Fair"—A Hot Day in Little Russia (Moussorgsky) (A3029).
 Dajos Bela Orchestra, "Marien Klänge" Waltz (Strauss) (A4038).
 Berlin State Opera Orchestra, "Christmas Concerto" (Corelli).
 Dajos Bela Orchestra, "Morgenblätter" (Strauss) (A4038); "Fantasia Orientale" (Lange) (A4003); "Dynamiden" Waltz (Josef Strauss).
 7.0 : News, reports and sports results.
 7.40 : Lecturette—Mr. H. C. South, "Books—Grave and Gay."
 8.0 : Chimes. Overture—The Light Symphony Orchestra, "Merry Wives of Windsor" (Nicolai) (H.M.V. C1260).
 8.8 : The Ariel Singers—Soprano, Miss Jeanette Briggs; contralto, Miss Ngaire Coster; tenor, Mr. Harry Brusey; bass, Mr. J. M. Caldwell.
 Quartet—"The Dawn of Day" (Reay).
 Soprano—(a) "The Wanderer's Night Song"; (b) "Longing For Spring" (Schubert).
 Bass—"Young Dietrich" (Heuschel).
 Quartet—"Evening Lullaby" (Shaw).
 8.23 : "Musical Portrait"—Classical Dances—Piano, Miss Gladys Watkins; violin, Mrs. Nancie Holloway. Part 1—Violin and piano—(a) "Bourree" (Handel); (b) "Scherzo" (Dittersdorf-Kreutzer); Piano—(a) "Mazurka" (Chopin); (b) "Hungarian Dance."

Week-all Stations-to Nov. 29

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- 8.39: Chorus—B.B.C. Choir, (a) "Grand March"; (b) "Pilgrims' Chorus" (from "Tannhauser") (Wagner) (Col. 02933).
- 8.47: Tenor—Mr. Harry Brusey, (a) "To-morrow"; (b) "Devotion."
- 8.52: Instrumental—2YA Orchestrina (Conductor Signor A. P. Truda) (a) "Ampar" (Korsakov); (b) "Air De Danse" (D'Ambrosio).
- 9.1: Weather report and station notices.
- 9.3: Duet—Misses Jeanette Briggs and Ngaire Coster, "Hear Me, Norma."
- 9.8: "Musical Portrait"—More Classical Dances—Piano—Miss Gladys Watkins; violin, Mrs. Nancie Holloway. Part 2—Piano—(a) "Gavotte" (from "Holberg Suite") (Grieg); (b) "The Bobbers of Brechin" (Bantock); violin and piano—"Finale A La Zingara."
- 9.24: Suite—London Symphony Orchestra, "Czar Sultan No. 3."
- 9.32: The Ariel Singers—
Quartet—"Softly Fall The Shades of Evening" (Hatton).
Contralto—"Love Finds Out The Way" (Raff); "The Princess."
Quartet—"Turn Ye To Me" (Collinson).
Bass—(a) "When a Maiden Takes Your Fancy" (Mozart); (b) "Care Flies From The Lad That Is Merry" (Arne).
- 9.48: Instrumental—2YA Orchestrina, "Le Cid Ballet" (Heugel).
- 10.0: Dance programme—(Panachord)—
Foxtrots—Owen Fallon and His Californians, "Have You Forgotten" (Robin) (P12158); Ben Bernie and His Orchestra, "Whistling In The Dark" (Boretz) (Bruno, 41344); Eddie Lane and His Hotel McAlpin Orchestra, "Can't You Read Between the Lines."

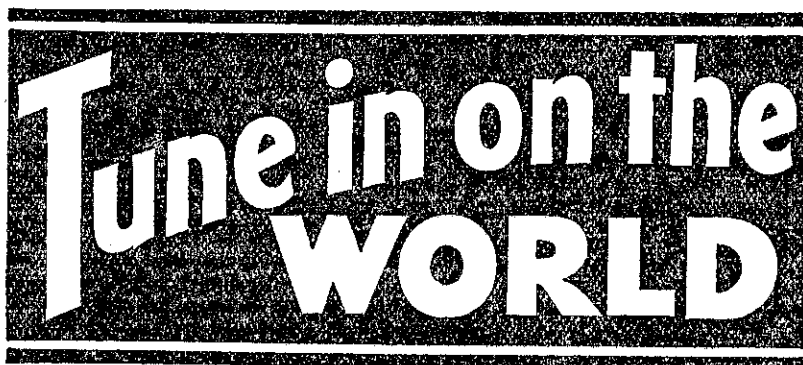
- 10.9: Waltz—Jack Richard and His Miami Orchestra, "The Waltz You Saved For Me" (Kahn) (P12063).
- Foxtrots—Milt Shaw and His Detroiters, "I Want You For Myself" (Berlin) (P12132); Dick Robertson and His Orchestra, "There Ought to be a Moonlight Saving Time" (Kahal) (P12162).
- 10.13: Vocal—Dick Robertson, "Got The Bench—Got the Park" (Lewis).
- 10.21: Foxtrots—The Travellers, "You Said It" (Yellen) (P12113); Milt Shaw and His Detroiters, "I've Found What I Wanted In You" (Endor) (P12132); "Teardrops and Kisses" (Kenney).
- 10.30: Waltzes—Joe Green's Ambassadors, "The Little Old Church In The Valley" (Arnold) (P12152); "After the Dance" (Caesar).
- 10.36: Foxtrots—Ben Bernie and His Orchestra, "The River and Me" (Warren) (Bruno, 41344); Owen Fallon and His Californians, "Now You're In My Arms" (Wrubel) (P12152); Milt Shaw and His Detroiters, "Fool Me Some More" (Gillespie) (P12156).
- 10.45: Vocal—Dick Robertson, "One Little Raindrop" (Richman) (P12123).
- 10.48: Foxtrots—Ralph Bennett and His Seven Aces, "Love Is Like That" (Russell) (P12154); Eddie Lane and His Hotel McAlpin Orchestra, "Let's Get Friendly" (Yellen) (P12150); Ralph Bennett and His Seven Aces, "Dancing With The Daffodils" (Young) (P12154).
- Waltz—Joe Green's Ambassadors, "Beneath Montana Skies" (Knayle).
- 11.0: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, NOVEMBER 23.

- 3.0: Gramophone recital.
- 4.30: Sports results.
- 5.0: Children's hour.
- 6.0: Dinner music session (Columbia)—
Milan Symphony Orchestra, "Masaniello" Overture (Auber).
Cordoba Philharmonic Orchestra, "La Habanera" (Lucena) (DOX77).
Herman Finck and His Orchestra, "Melodious Memories" (arr. Finck).
Sir Henry J. Wood's Symphony Orchestra, "Prelude in C Sharp Minor."
J. H. Squire's Celeste Octet, "Memories of Chopin" (arr. Willoughby).
London Theatre Orchestra, "Frederica" Selection (Lehar) (DOX145).
Regal Cinema Orchestra, "Viennese Nights" Waltzes Selection.
Sir Henry J. Wood's Symphony Orchestra, "Volga Boat Song."
Cordoba Philharmonic Orchestra, "Carnival" (Lucena) (DOX77).
- 7.0: News and reports.
- 7.30: W.E.A. session—Dr. C. E. Beeby, "All Men are Liars."
- 8.0: Chimes. Band programme by Christchurch City Salvation Army Band (Conductor, Mr. N. G. Goffin) and assisting artists.
March—Band, "Liverpool" (Wright); tone poem, "Love's Sacrifice."
- 8.13: Baritone—Mr. Sidney Russ with trio accompaniment, "Floral Dance."
- 8.17: Cello—Beatrice Harrison, "The Broken Melody" (Van Biene).
- 8.21: Contralto—Miss Nellie Lowe with trio accompaniment, (a) "Beyond the Dawn" (Sanderson) (b) "Danny Boy."
- 8.27: Chorus—Band, "Oh, Be Joyful" (Hawkes).
- 8.31: Humour—Will Fyffe, "Daft Sandy" (Fyffe) (Col. DOX87).
- 8.39: Instrumental trios—Christchurch Broadcasting Trio, (a) "Canzonetta" (Godard); (b) "My Lady Chlo" (Clough-Leigher).
- 8.46: Tenor—Mr. J. Haydn Williams, (a) "Mary O'Neill" (Hardy); (b) "To My First Love" (Lohr).
- 8.50: Organ—F. Rowland-Tims, F.R.C.O., (a) "Melody" (Dawes); (b) "For You Alone" (Geehl) (H.M.V. B3308).
- 8.56: Hymns—Band, (a) "Ho!ingside"; (b) "Aberystwyth" (Hawkes).
- 9.1: Weather forecast and station notices.
- 9.3: Orchestral—Grand Symphony Orchestra, (a) "Entr'acte and Minuet"; (b) "Barcarolle" (from "Tales of Hoffman") (Offenbach).
- 9.11: Baritone—Mr. Sidney Russ, (a) "Nelson's Gone A'Sailing" (Lohr); (b) "The Driver of the 8.15 p.m." (Longstaffe).
- 9.17: Piano—Patricia Rossborough, "The King's Horses" (Graham).
- 9.20: Selection—Band, "The Warrior's Reward" (Ball).
- 9.25: Contralto—Miss Nellie Lowe, (a) "A Posy of Roses" (Colman); (b) "Should You Come to Me Again" (O'Reilly).
- 9.31: Trios—Christchurch Broadcasting Trio, (a) "Clog Dance"; (b) "Handel in the Strand" (Grainger); (c) "Barcarolle" (Tschaiakowsky).
- 9.39: Humour—Will Fyffe, "I'm 94 To-day" (Fyffe) (Col. 822).
- 9.43: Meditation—Band, "Thy Will Be Done" (Kirk).
- 9.50: Tenor—Mr. J. Haydn Williams, with trio accompaniment, (a) "The Temple Bells"; (b) "Kashmiri Song" (Woodforde-Finden).
- 9.56: Selection—Band, "A Crown of Peace" (Goldsmith); March, "Long, Long Ago" (G. Marshall).
- 10.6: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, NOVEMBER 23.

- 3.0: Selected recordings.
- 4.30: Sporting results.
- 5.0: Children's hour, conducted by Uncle Jack.



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AUCKLAND — CHRISTCHURCH — WELLINGTON.

STEWART-WARNER
Round-the-World **RADIO**

- 6.0 : Dinner music session (Parlophone and Polydor)—
 Dajos Bela Orchestra, "Fantasie Orientale" (Lange) (A4003).
 Ilja Livschakoff's Orchestra, "Somewhere a Voice is Calling" (Tate).
 Paul Godwin's String Quartet, "A Fragile Spring Has Blossomed Forth" (23374).
 Paul Godwin's Orchestra, "Pritzel Dolls" (Rauls) (21712).
 Bereny's Hungarian Gipsy Symphony Orchestra, "Tales From the Vienna Woods" (Strauss) (23691).
 Great Symphony Orchestra, "Edmund Eysler's Operettas" Selection.
 Ilja Livschakoff's Orchestra, "Volga Russian Medley" (Livschakoff).
 The Pozniak Trio, "Three Miniatures—Elegie" (Juon) (62549).
 Ilja Livschakoff's Orchestra, "The Rosary" (Nevin) (23648).
 Paul Godwin's Dance Orchestra, "Little Birds' Evening Song."
 Edith Lorand's Orchestra, "After the Ball" Waltz (Harris) (A4261).
 Bereny's Hungarian Gipsy Symphony Orchestra, "Original Hungarian Dance" (arr. Bereny) (23691).
 Paul Godwin's Trio, "Largo" (Handel) (23374).
 Ilja Livschakoff's Orchestra, "Troika—Russian Medley" (Livschakoff).
 Balalaika Orchestra, "Auf Dem Wege Nach Petersburg" (R40090).
 7.0 : News and reports.
 7.40: Talk—Mr. W. Longbottom, "New Zealand's Part in the Manufacture of Leather," under auspices of Dunedin Manufacturers' Association.
 8.0 : Chimes. Specially Recorded International Programme.
 Dr. Eugene Ormandy and His Salon Orchestra.
 The Flying Song Squadron.
 Forget-me-Not.
 Weather report.
 Talk—Mrs. W. N. Benson, M.A., "The Historic Relations between China and Manchuria."
 The Irresistible Imps.
 Whispers.
 God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—MONDAY, NOV. 23.

8.0 to 10.0 p.m.: Concert programme.

Tuesday, November 24

1YA, AUCKLAND (875 KILOCYCLES)—TUESDAY, NOVEMBER 24.

- 8.0 : Chimes. Selected recordings.
 8.15: Literary selection.
 4.30: Sports results.
 5.0 : Children's hour, conducted by Uncle Dave.
 6.0 : Dinner music session (Polydor)—
 Berlin Philharmonic Orchestra, "Beatrice and Benedict" (Berlioz).
 Paul Godwin's Orchestra, "The Roses' Bridal Possession" (Jessel).
 Paul Godwin's Quintet, "Minnetto" (Bolzoni) (19929).
 Marek Weber and His Orchestra, "Lettre a Armand" (Haagman).
 Great Symphony Orchestra, "A Rendezvous With Lehar" (arr. Hruby).
 Paul Godwin's Quartet, "Intermezzo Russe" (Franke) (19457).
 Efm Schachmeister's Orchestra, "Dark Eyes" (Schachmeister).
 Opera Orchestra Berlin-Charlottenburg, "Si J'Etals Roi" (Adam).
 Paul Godwin's Orchestra, "The Marionette's Guard Mounting" (Kuhn).
 Paul Godwin's Quartet, "Octobre" (Tschaikowsky (19457).
 Efm Schachmeister's Orchestra, "Kasbek" (Schachmeister) (20453).
 Paul Godwin's Quintet, "Dolls' Minuet" (19929).
 7.0 : News and market reports.
 7.30: Talk—W.E.A. session, The Rev. W. G. Monckton, M.A., "Some International Problems—Manchuria."
 8.0 : Chimes. Specially Recorded International Programme.
 Dr. Eugene Ormandy and His Salon Orchestra.
 The Flying Song Squadron.
 Forget-me-Not.
 Weather report.
 International talk—Mrs. Gordon Robertson, "Music—a National and International Art."
 The Irresistible Imps.
 Whispers.
 God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, NOVEMBER 24.

- 10.0 : Chimes. Selected gramophone recordings.
 11.12: Lecturette—"Fabrics and Fashions."
 12.0 : Lunch-hour music.
 2.0 : Educational session.
 3.0 : Selected recordings.
 3.30 and 4.30: Sporting results.
 5.0 : Children's hour, conducted by Jumbo.
 6.0 : Dinner music session (H.M.V.)—
 String Orchestra, "Overture to Arundel Suite" (Brown) (B3514).
 Cedric Sharpe Sextet, "Love's Old Sweet Song" (Molloy) (C1894).
 Salon Orchestra, "By the Light of the Stars" (Shay) (B2225).
 Marek Weber and His Orchestra, "My Darling" Waltz (Waldteufel).
 Organ—Jesse Crawford, "La Borrochita" (Fernandez Esperon).
 The London Palladium Orchestra, "Vivienne" (Finck) (B3466).
 De Groot and His Orchestra, "Une Heure d'Amour" (Alexander).
 International Novelty Orchestra, "I Love You Truly" (Bond).

- Ferdy Kauffman and His Orchestra, "Siciliana" (Schmalstich).
 Cedric Sharpe Sextet, "Intermezzo" (Coleridge-Taylor) (C1894).
 De Groot and His Orchestra, "Only for You" (Strong) (B2234).
 Salon Orchestra, "You Forgot to Remember" (Berlin) (B2225).
 String Orchestra, (a) "Almand," (b) "Pavan" (from "Arundel Suite")
 Organ—Jesse Crawford, "I Loved You Then as I Love You Now."
 Marek Weber and His Orchestra, "Rustle of Spring" (Sinding).
 International Novelty Orchestra, "Love Sends a Little Gift of Roses."
 De Groot and His Orchestra, "For Ever and for Ever" (Tosti) (B2418).
 The London Palladium Orchestra, "Longing" (Haydn Wood) (B3466).
 7.0 : News, reports and sports results.
 7.40: Lecturette by a representative of the Agricultural Department, "For the Man on the Land."
 8.0 : Chimes. Suite—New Light Symphony Orchestra, (a) "Ingrid's Lament"; (b) "Arabian Dance" (from "Peer Gynt, No. 2") (Grieg).
 8.8 : Quartet—Melodie Four, "Wanganui Moon" (McKenzie).
 Tenor—Mr. Sam Duncan, "On Wings of Song" (Mendelssohn).
 8.14: Overture—Salon Orchestra (Conductor, Mr. M. T. Dixon), "Mireille."
 8.24: Contralto—Mrs. Charles Pengelly, (a) "Sea Rapture" (Coates); (b) "Five Little Piccaninnies" (Anthony).
 8.30: Instrumental trio—De Groot-Bor-Calve, (a) "When Summer is Gone" (Wilhite); (b) "Ave Maria" (Kahn) (H.M.V. B3035).
 8.36: Bass—Mr. W. W. Marshall, "Out on the Deep" (Jude).
 Quartet—Melodie Four, "Moonlight on the Colorado" (arr. Crowther).
 8.42: Suite—Salon Orchestra, "Jevington Suite" (Loughborough).
 8.56: Chorus—Chauve Souris Company, "Round the Hay Wain" (Trdtl.).
 9.0 : Weather report and station notices.
 9.2 : Tenor—Mr. Frank Bryant, "Venetia" (Zamecnik).
 Quartet—Melodie Four, "An Evening's Pastoral" (Shaw).
 9.8 : Instrumental—Salon Orchestra, "Chanson Indoue" (Korsakov); "Minuet" (Friml).
 9.18: Contralto—Mrs. Charles Pengelly, (a) "If My Songs Were Only Winged" (Hahn); (b) "Longing" (Kjerulf).
 9.24: Orchestral—Marek Weber's Orchestra, "Vienna by Night" (Komzak).
 9.32: Baritone—Mr. R. S. Allwright, "Father O'Flynn" (Stanford).
 9.36: Ballet music—Salon Orchestra, "Coppelia Ballet Music" (Delibes).
 9.46: Bass and chorus—Stuart Robertson, (a) "Clementine"; (b) "Solomon Levi"; (c) "There's a Tavern in the Town"; (d) "John Peel."
 9.52: Instrumental—Salon Orchestra, "Latest Dance Novelties."
 10.2 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, NOVEMBER 24.

SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, NOVEMBER 24.

- 8.0 : Selected recordings.
 4.30: Sports results.
 5.0 : Children's hour, conducted by Aunt Leonore.
 6.0 : Dinner music hour (Columbia)—
 London Theatre Orchestra, "Maid of the Mountains" Selection.
 J. H. Squire's Celeste Octet, "Second Movement from Symphony Pathetique" (Tschaikowsky, arr. Robertson) (02937).
 Symphony Orchestra, "When the Lemons Bloom" (Strauss) (02529).
 Plaza Theatre Orchestra, "A La Gavotte" (Finck) (01439).
 Musical Art Quartet, "To a Wild Rose" (McDowell) (01506).
 Organ—G. T. Pattman, "Alice Where Art Thou?" (Trdtl.) (D0146).
 J. H. Squire's Celeste Octet, "Operatica" (arr. Squire) (DOX62).
 Symphony Orchestra, "Doctrinen" (Strauss) (02529).
 Plaza Theatre Orchestra, "Minuet" (Finck) (01439).
 Organ—G. T. Pattman, "Cinderella" Waltz (Pattman) (D0146).
 Musical Art Quartet, "Mighty Lak a Rose" (Nevin) (01506).
 J. H. Squire's Celeste Octet, "Scene de Ballet" (de Beriot, arr. Sear).
 H.M. Grenadier Guards Band, "Hyde Park Suite" (Jalowicz)—(a) Sunday Morning Church Parade; (b) Rotten Row; (c) On the Serpentine; (d) Around the Bandstand (DOX198).
 7.0 : News and reports.
 7.40: Talk under the auspices of the W.E.A.—Mr. G. C. Billing, "The Economic Outlook."
 8.0 : Chimes. Special Programme in Commemoration of St. Andrew's Day.
 Overture—St. Louis Symphony Orchestra, "Fingal's Cave."
 8.9 : Quartets—The Regal Four, "Kate Dalrymple" (Trdtl.).
 Contralto—Miss B. Rawlinson, "My Land" (Roddie).
 8.17: Pipe selections—Dunedin Highland Pipe Band, "Scots Airs" (Burns).
 8.27: Scots Humour—Mr. Bert Rawlinson, "Duncan Gray" (Burns).
 8.30: Harp—John Cockerill, "Annie Laurie" (Douglas) (Zono. 5578).
 8.33: Patrol—H.M. Coldstream Guards Band, "The Gathering of the Clans."
 8.37: Quartet—The Regal Four, "A Fond Kiss" (Roddie).
 8.41: Pipe selection—Dunedin Highland Pipe Band, "Scots Airs" (Trdtl.).
 8.51: Tenor—Mr. W. McDonald, "Afton Water" (Hume).
 8.54: Violin—Miss Eva Judd, "Lochaber" (McKenzie-Murdoch).
 9.1 : Weather report and station notices.
 9.3 : Talk—Mr. W. B. McEwan, Librarian, Dunedin Public Library, "St. Andrew, Patron Saint of Scotland."
 9.19: Quartet—The Regal Four, "My Bonnie" (Trdtl.).
 Duet—Miss B. Rawlinson and Mr. W. McDonald, "O Wert Thou In The Cauld Blast" (Mendelssohn).
 9.26: Cello—Laurie Kennedy, "Old Scotch Melody" (arr. Kennedy).
 9.29: Humour—Harry Gordon, "The Story That I Started" (Hazelwood).

- 9.32: Pipe selection—Dunedin Highland Pipe Band, "National Tunes of Scotland" (Trdtl.).
 9.39: Quartet—The Regal Four, "Ye Banks and Braes" (Roddie).
 9.42: Violin—Miss Eva Judd, "Variation of a Scottish Theme" (Trdtl.).
 9.49: Contralto—Miss B. Rawlinson, "John Anderson" (Maxfield) (Trdtl.).
 9.53: Pipe selection—Dunedin Highland Pipe Band, "Scots Airs" (Trdtl.).
 10.2: God save the King.

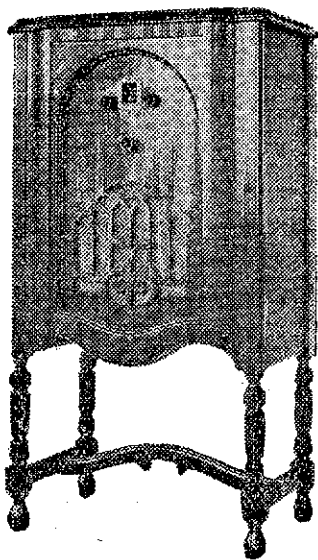
Wednesday, November 25

1YA, AUCKLAND (875 KILOCYCLES)—WEDNESDAY, NOVEMBER 25.

- 3.0: Chimes. Selected recordings.
 3.15: Literary selection.
 4.30: Sports results.
 5.0: Children's hour, conducted by Uncle Reg.
 6.0: Dinner music session (H.M.V.)—
 Cedric Sharpe Sextet, "O, Lovely Night" (Ronald) (B3429).
 Berlin State Opera Orchestra, "A Midsummer Night's Dream" Overture.
 De Groot and the Piccadilly Orchestra, "If Only I Had You" (Davies).
 Organ—Jesse Crawford, "I'll Close My Eyes to the Rest of the World."
 Kirilloff's Balalaika Orchestra, "Medley of Old Times Songs."
 The Palladium Orchestra, "La Siesta" Barcarolle (Norton, arr. Lotter).
 De Groot Trio, "Paraphrase of Strauss Waltzes" (arr. de Groot).
 Berlin State Opera Orchestra, "A Midsummer Night's Dream" Wedding March (Mendelssohn) (C1884).
 Cedric Sharpe Sextet, "Chanson Napolitaine" (D'Ambrosio) (B3429).
 De Groot and the Piccadilly Orchestra, "Lolita" (Ferrete and Biessier).
 The Palladium Orchestra, "The Grasshoppers' Dance" (Bucalossi).
 Organ—Jesse Crawford, "How Am I To Know?" (King) (EA699).
 The Rhythmic Eight, "Neapolitan Nights" (Zamecnick) (Zono. EE).
 7.0: News and market reports.

- 7.40: Talk—Mr. B. H. Nepia (under the auspices of the Akarana Association) "Maori Pronunciation."
 8.0: Chimes. Programme in Commemoration of St. Andrew's Day. (A Braw Scotch Night by the Caledonian Concert Party).
 March—Auckland and District Highland Pipe Band, "The Drunken Piper" (Logan); strathspey, "The Marques of Huntly" (Logan); reel, "The Piper o' Drummond Rant" (Logan).
 Chorus—Company, "Caller Herrin'" (Gow).
 Humour—Mr. Elton Black, (a) "I've Just Got Marrit This Mornin'" (arr. Black); (b) "What Will Maggie Say?"
 Popular Scotch songs—Miss Alice Bennetto, (a) "I'm Havin' a Richt Guid Time" ("Dancing Mistress") (Monckton).
 Tenor—Mr. A. L. Macpherson, "Battle of Stirling" (Chisholm).
 Mezzo-contralto—Miss Beryl Barker, "My Laddie" (Thayer).
 Contralto—Miss Kay Christie, (a) "Hame" (Davies); (b) "The Auld Hoose" (Trdtl.).
 Scottish Humour and Song—The Twa Macs, (a) "Mackay and Me" (arr. McSkimming); (b) "Killiecrankie" (Lauder).
 March—Auckland and District Highland Pipe Band, "All The Blue Bonnets" (arr. Henderson); strathspey, "Struan Robertson" (arr. Logan); reel, "Tail Toddle" (arr. Logan).
 Soprano—Miss Reta MacCullay, (a) "The Briskay Love Lilt"; (b) "The Road to the Isles" (Kennedy Fraser).
 Humour—Mr. Allan F. McSkimming, "The Pipes o' Troon" (Clarke).
 Mezzo-contralto—Miss Beryl Barker, "Highland Mary" (Bartlett).
 Scottish Humour and Song—The Twa Macs, (a) "Early in the Mornin'"; (b) "Stop Yer Ticklin', Jock" (Lauder).
 Vocal duet—Misses Kay Christie and Reta MacCullay, (a) "O Wert Thou in the Cauld Blast" (Mendelssohn); (b) "Ye Banks and Braes"
 Patter and song—Miss Alice Bennetto and Mr. Elton Black, "I Love Ma Bonnie Mary" (arr. McSkimming).
 March—Auckland and District Highland Pipe Band, "The Bonnie Country Garden" (arr. Glen); march, "Haughs of Cromdale" (arr. Logan); strathspey, "Standard on the Braes of Mar" (arr. Logan); reel, "Mar Lodge" (arr. Logan).
 Finale—The Company, "Auld Lang Syne" (Trdtl.).
 10.0: God save the King.

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2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, NOVEMBER 25.

- 10.0: Chimes. Selected gramophone recordings.
 11.37: Lecturette—"Hollywood Affairs."
 12.0: Lunch hour music.
 2.0: Selected recordings.
 3.30 and 4.30: Sporting results.
 5.0: Children's hour, conducted by Aunt Daisy.
 6.0: Dinner music session (Polydor)—
 Paul Godwin's Orchestra, "The Jolly Robbers" Overture (Suppe).
 Mandolin and Lute Band, "Per Aspera Ad Astra" (Urbach) (21624).
 State Opera Orchestra, Berlin, "Othello" Ballet (Verdi) (66454).
 Paul Godwin's Orchestra, "Bells of Vineta" Waltz (Lindsay-Thlemer).
 The Philharmonic Orchestra, "The Girl of the Black Forest" (Jessel).
 Mandolin and Lute Band, "Turkish March" (Mozart) (21624).
 Ilja Livschakoff's Orchestra, "Spring in Paris" (Kalman) (23725).
 Philharmonic Orchestra, Berlin, "Les Huguenots" Overture (Meyerbeer).
 Paul Godwin's Orchestra, "Lotus" Waltz (Ohlsen) (23323); "Avant de Mourir" (Boulanger) (21407).
 7.0: News, reports and sports results.
 7.40: Lecturette—Mr. A. E. Wilson, "Tourist and Health Resorts."
 8.0: Chimes.
 Dr. Eugene Ormandy and His Salon Orchestra.
 The Mirth Quakers.
 Weather report.
 International talk—Dr. Guy H. Scholefield, O.B.E.
 Stardust.
 Vitaphone Dance Orchestra.
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, NOV. 25.

- 3.0: Gramophone recital.
 4.30: Sports results.
 5.0: Children's hour.
 6.0: Dinner music (Brunswick)—
 Minneapolis Symphony Orchestra, "Marche Militaire" (Schubert).
 A. and P. Gypsies Orchestra, "The Far Away Bells" (Gordon) (4442).
 Brunswick Salon Orchestra, "Little Grey Home in the West" (Lohr).
 Peter Biljo's Balalaika Orchestra, "Blowing Winds" (57005).
 Minneapolis Symphony Orchestra, "Coppelia Ballet" Prelude and Mazurka (Delibes) (50087).
 Anglo-Persians' Orchestra, "My Little Persian Rose" (Friedland).
 Brunswick Concert Orchestra, "A Thousand Kisses" Waltz (Joyce).
 A. and P. Gypsies Orchestra, "Bohemian Romance" (4903).
 Organ—Lew White, "Down South" (Myddleton) (4889).
 Minneapolis Symphony Orchestra, "Prelude to Khowantchina."
 A. and P. Gypsies Orchestra, "Simple Confession" (Thome) (4442).
 Cleveland Symphony Orchestra, "Shepherd's Hey," a Morris Dance.
 Organ—Eddie Dunstedter, "Ciribiribin" (Pestalozza) (4902).
 Peter Biljo's Balalaika Orchestra, "The Wide Dniپر" (57005).
 A. and P. Gypsies Orchestra, "My Memories" (4903).

- Minneapolis Symphony Orchestra, "Dernier Sommeil de la Vierge."
Organ—Eddie Dunstedter, "O Sole Mio" (Di Capua) (4902).
- 7.0 : News and reports.
- 7.30 : Addingdon market report.
- 8.0 : Chimes. Relay of Concert by the Christchurch Orchestral Society from the Radiant Hall. Mozart programme.
- Overture—Orchestra, "The Magic Flute"; Symphony, "Jupiter."
Contralto—Mrs. F. Nelson Kerr, recitative, "Unto My Bosom"; aria, "As Upon My Lovely Features."
Claronet concerto—Mr. M. E. Withers and Orchestra, "First Movement."
- 9.0 : Weather report and station notices.
- 9.10 : Choral—Choir of Holy Trinity Church, Avonside, with orchestra, (a) "Ave Verum"; (b) "Gloria" (from "Twelfth Mass").
- 9.30 : Selection—Orchestra, "Don Juan."
- 9.48 : String quartet—Mr. C. R. Moon, Miss F. Nolan, Miss L. R. Robertson and Miss P. Stringer, (a) "Andante"; (b) "Menuet."
- 9.54 : March—Orchestra, "Turkish March."
- 10.0 : Dance music from studio (Brunswick)—
Foxtrots—Jacques Renard and His Orchestra, "Tie a Little String Around Your Finger" (Simons) (6032). Nick Lucas and His Crooning Troubadours, "Say Hello to the Folks Back Home" (Lombardo) (6013). Jacques Renard and His Orchestra, "I Hate Myself" (Silver) (6032).
- 10.9 : Waltz—Jacques Renard and His Orchestra, "Reaching for the Moon."
- 10.12 : Foxtrots—Hal Kemp and His Orchestra, "Think a Little Kindly of Me" (Johnson) (6056). Isham Jones' Orchestra, "I'm So Afraid of You" (Kahm) (6041).
- 10.18 : Vocal—Harry Richman, "When Your Lover Has Gone" (Swan).
- 10.21 : Foxtrots—Isham Jones' Orchestra, "My Ideal" (Robin) (6041). Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "I Surrender Dear" (Clifford) (6034). Ben Bernie and His Orchestra, "To-morrow is Another Day" (Green) (4899).
- 10.30 : Waltzes—Nick Lucas and His Crooning Troubadours, "Falling in Love Again" (Hollander) (6048). Carter's Orchestra, "The Waltz of the Hills" (Fields) (6042).
- 10.36 : Foxtrots—Nick Lucas and His Crooning Troubadours, "Lady Play Your Mandolin" (Levant) (6013); "Walkin' My Baby Back Home" (Turk) (6048). Carter's Orchestra, "When the Bloom is on the Sage" (Howard) (6042).
- 10.45 : Vocal—Harry Richman, "Just a Gigolo" (Caesar) (6052).
- 10.48 : Foxtrots—Hal Kemp and His Orchestra, "I Want You For Myself" (Berlin) (6056). Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "To Make a Long Story Short" (Gay) (6034). Ben Bernie and His Orchestra, "Liza Lee" (Green) (4899). Jacques Renard and His Orchestra, "Heartaches" (Klenner) (6033).
- 11.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, NOVEMBER 25.

- 3.0 : Selected recordings.
- 3.15 : Talk—"Eat What You Can, and Can What You Eat," by the Home Science Extension Department of Otago University.
- 4.30 : Sports results.
- 5.0 : Children's hour, conducted by Big Brother Bill.
- 6.0 : Dinner music session (Parlophone)—
Dajos Bela Orchestra, "Faust" Waltz (Gounod) (Parlo. A4010).
Major Bowes' Capitol Theatre Trio, "My Isle of Golden Dreams."
Raie da Costa Ensemble, "Rag Doll" (Brown) (A2677).
Berlin State Opera Orchestra, "The Mastersingers" Overture (Wagner).
Barnabas von Geczy and His Orchestra, "Pardon, My Lady" Tango.
Dajos Bela Orchestra, "Vienna Bon Bons" Waltz (Strauss) (A4056).
Grand Symphony Orchestra, "Polonaise No. 1 in A" (Chopin).
Raie da Costa Ensemble, "Laughing Marionette" (Collins) (A2677).
Pavillon Lescaut Tango Orchestra, "In a Little Cafe" Tango (Neubach).
Major Bowes' Capitol Theatre Trio, "Pale Moon" (Logan) (A2593).
Dajos Bela Orchestra, "The Swallows" Waltz (Strauss) (A4010).
Grand Symphony Orchestra, "Hungarian Dances Nos. 5 and 6."
Frank Westfield's Orchestra, "The New Sullivan" Selection.
Dajos Bela Orchestra, "Roses of the South" Waltz (Strauss) (A4056).
- 7.0 : News and reports.
- 7.15 : Talk—Mr. C. V. Dayus, under the auspices of 4YA Primary Productions Committee, "Livestock Talk."
- 8.0 : Chimes.
- 8.9 : Presentation by "Harmonists" Quartet of Lehar's Light Opera, "Merry Widow" (Lehar).
Sonia, Miss Mae Matheson; Natalie, Miss Margaret Green; Camille, Mr. H. Johnston; Danilo and Nisch, Mr. C. S. Hawes.
Act I.—Chorus—"Opening Chorus."
Piano—"Ball Music"
Duet—"A Dutiful Wife."
Piano—"Ball Music."
Baritone—"Maxims."
Chorus—"Home."
Finale to Act I.
- 8.30 : Trio—Misses Ethel Wallace and Baker and Mr. Blyth, "Samson and Delilah" (Saint-Saens).
- 8.40 : Act II—"The Merry Widow."
Chorus—"Opening Chorus"
Soprano—"Yilla."
Duet—"Love is in My Heart."

- Chorus—Finale to Act II.
- 8.56 : Cello—Mr. J. Blyth, "La Cinquantaine" (Marie).
- 9.0 : Weather report and station notices.
- 9.2 : Act III—"The Merry Widow."
Chorus—"The Girls at Maxims."
Dance and Chorus—"Butterflies."
Bass—"Quite Parisian."
- 9.12 : Trio—Misses Ethel Wallace and S. Baker and Mr. J. Blyth, "Vienna Life" (Strauss).
- 9.20 : Conclusion of "The Merry Widow."
Chorus—"Reminiscence."
Valse duet—"I Love You So."
Finale to Opera.
- 9.30 : Dance session (Brunswick)—
Foxtrots—Tom Gerun and His Orchestra, "What Good Am I Without You" (Ager) (4999). Ben Bernie and His Orchestra, "He's Not Worth Your Tears" (Dixon) (4976). Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "It Must Be True" (Arnheim) (4984). Ben Bernie and His Orchestra, "The Wind in the Willows" (Carter) (6025).
- 9.42 : Waltz—Regent Club Orchestra, "It is Destiny" (Grey) (6000).
Foxtrots—Hal Kemp and His Orchestra, "Them There Eyes" (Pinkard) (4992). Harry Reser and The Six Jumping Jacks, "The Wedding in the Ark" (Wallace) (6007).
- 9.51 : Vocal—North and South, "Barracky Bert the Soldier" (Clifford).
- 9.54 : Foxtrots—Ben Bernie and His Orchestra, "Can't You See I'm Lonely?" (Kahn) (4976). Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "The Little Things in Life" (Berlin) (4984). Hal Kemp and His Orchestra, "Hurt" (Plantadosi) (4992).
- 10.3 : Tangos—Juan Llossas' Orchestra, "Tavern Tango" (Mario Sarrocchi). (Poly. 22425); "On Far Away Highroads" (Filiberto) (22983).
- 10.9 : Vocal—Chester Gaylord, "You're Lucky to Me" (Razaf) (6010).
- 10.12 : Foxtrots—Tom Gerun and His Orchestra, "Nine Little Miles from Ten, Ten Tennessee" (Sherman) (4999). Isham Jones' Orchestra, "Lonesome Lover" (Bryan) (6015). Emil Coleman and His Orchestra, "Overnight" (Rose) (4977).
- 10.21 : Waltzes—Bob Haring and His Orchestra, "Chimes of Spring" (Gilbert) (6031). Joe Green and His Orchestra, "My Missouri Home."
- 10.27 : Foxtrots—Ben Bernie and His Orchestra, "Just a Gigolo" (Casucci) (6023); "Everything But Love" (Kahn) (6025). Ben Bernie and His Orchestra, "The River and Me" (Dubin) (6023).
- 10.36 : Vocal—North and South, "Sittin' on a Five Barred Gate" (Hargreaves).
- 10.39 : Foxtrots—Emil Coleman and His Orchestra, "I Love Love" (O'Keefe) (4977). Abe Lyman and His Orchestra, "Us and Company."
Tangos—Juan Llossas' Orchestra, "Majanah" (Llossas) (22425); "Carnations" (Demare) (22983).
- 10.51 : Foxtrots—Tom Gerun and His Orchestra, "Come a Little Closer" (Green) (6002). Abe Lyman and His California Orchestra, "As Long as We're Together" (Bard) (4993). Tom Gerun and His Orchestra, "You're the One I Care For" (Link) (6002).
- 11.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—WEDNESDAY, NOV. 25.

- 6.30 to 7.30 p.m.: Children's session.
7.30 to 8 p.m.: Sports talks.

Thursday, November 26

1YA, AUCKLAND (875 KILOCYCLES)—THURSDAY, NOVEMBER 26.

- 12.15 : Selected gramophone recordings.
- 12.30 : Relay of midday service from St. Matthew's Church.
- 3.0 : Chimes. Selected recordings.
- 3.15 : Home science—"Spring Salads." Talk prepared by the Home Science Extension Service of Otago University.
- 4.30 : Sports results.
- 5.0 : Children's hour, conducted by Skipper.
- 6.0 : Dinner music session (Parlophone)—
Berlin State Opera Orchestra, "Academic Festival" Overture (Brahms) (A4210); "From Foreign Parts"—Italy, Germany (Moszkowski).
Frank Westfield's Orchestra, "Lilac Time" Selection (A2543).
Berlin State Opera Orchestra, "Schwanda, the Bagpipe Player."
Dajos Bela Orchestra, "Schatz Waltz" (A4110); "Mosaic" (Potpourri).
Grand Symphony Orchestra, "The Land of Smiles" Selection (Lehar).
Berlin State Opera Orchestra, "From Foreign Parts"; Spain, Hungary.
Dajos Bela Orchestra, "Moonlight on the Alster" (Fetras) (A4110).
- 7.0 : News and market reports.
- 7.40 : Talk, under the auspices of the N.Z. Manufacturers' Association, "Work for the Boys and Girls Leaving School."
- 8.0 : Relay from the Town Hall of the Royal Auckland Choir's Concert.
Conductor, Dr. A. W. Thomas.
Part song—Choir, "Strike the Lyre" (Cooke).
Baritone—Mr. W. Gemmell, "Price Ivan's Song" (Allitsen).
Choral—The Choir, "Cradle Song" (Stenz).
Contralto—Mrs. J. F. Ewen, "Hindoo Song" (Bemberg).
Chorus—Choir, with orchestral accompaniment—Tenor solo, Mr. Arthur Ripley, "Chorus of Spirits and Hours" (Buck).
Part song—Choir, "Bedouin Song" (Foote).
String quartet—Savage Club String Quartet, "Opus 18, No. 2"—Allegro, adagio, cantabile, allegro molto quasi presto (Beethoven).

- Tenor—Mr. Arthur H. Ripley, "Ah, Moon of My Delight" (Lehmann).
Part song—Choir, "Dreaming" (Shelley).
Contralto—Mrs. J. F. Ewen, "Selected."
Part song—Choir, with orchestral accompaniment, "Nazareth."
Baritone—Mr. W. Gemmell, "Thou're Passing Hence" (Sullivan).
Part song—Choir, "What Care I How Fair She Be" (Blumenthal).
10.0 : Dance music.
Foxtrots—The Radiolites, "I'm Happy When You're Happy" (Baer) (Reg. G21042); The Rhythmic Eight, "Oh! Donna Clara" (Petersburski) (Zono. 5757); Jack Payne and His B.B.C. Dance Orchestra, "Oh, Rosalita" (Col. DO430).
10.9 : Waltzes—Paul Godwin's Dance Orchestra, "Don't Ask How, Don't Ask Where" (Heymann) (Poly. 23841); "Why Must I Just Be the Stepchild of Luck?" (Kollo) (Poly. 23843).
10.15 : Foxtrots—Paul Godwin's Dance Orchestra, "Can You be Happy with Moonshine Alone?" (Kollo) (23842); "Love was Smuggled into My House" (Heymann) (23841).
10.21 : Vocal—Layton and Johnstone, "When Your Hair has Turned to Silver"
10.24 : Foxtrots—The Society Serenaders, "After Your Kiss" (Eliscu) (Reg. G20947); The Rhythmic Eight, "Living a Life of Dreams" (Cowan) (Zono. 5757); The Society Serenaders, "Soldier on a Shelf."
10.33 : Waltzes—Ilja Livschakoff's Dance Orchestra, "Fleurette" (Gilbert) (Poly. 23878); Paul Godwin's Dance Orchestra, "It'll Be Sunshine To-morrow" (Meisel) (23886).
10.39 : Foxtrots—Stellar Dance Band, "When it's Harvest Time in Tennessee" (Lumsdaine) (Reg. G20934); Nat Shilkret and His Orchestra, "The Wedding of the Birds" (Tobias) (H.M.V. EA857); Stellar Dance Band, "Every Day is a Rainbow Day for Me" (Bradman).
10.48 : Vocal—Marion Harris, "Would You Like to Take a Walk?" (Dixon).
10.51 : Foxtrots—Leonard Joy's All String Orchestra, "On a Little Balcony in Spain" (Klein) (H.M.V. EA854); Gus Arnheim and His Cocoanut Grove Orchestra, "The Little Things in Life" (Berlin) (H.M.V. EA856); The Southerners, "Yours and Mine" (Nelson) (EA854).
11.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, NOVEMBER 26.

- 10.0 : Chimes. Selected gramophone recordings.
10.45 : Lecturette—"Cooking."
12.0 : Lunch hour music.
2.0 : Selected recordings
3.15 : Lecturette—Miss I. F. Meadows, "Spring Salads." Talk prepared by the Home Science Extension Department of the Otago University.
3.30 and 4.30 : Sporting results.
5.0 : Children's hour, conducted by Uncle George and Big Brother Jack.
6.0 : Dinner music session (Columbia)—
Willem Mengelberg and His Concertgebouw Orchestra, "Oberon" Overture (Weber) (04347/8).
The International Concert Orchestra, "Luna" Waltz (Lincke).
J. H. Squire's Celeste Octet, "Peter Pan" Selection (Crook) (02910).
The International Concert Orchestra, "Love and Spring" Waltz.
New Queen's Hall Light Orchestra, "The Little Minister" Overture.
Bournemouth Municipal Orchestra, "Marriage of Figaro" Fandango.
The International Concert Orchestra, "Just a Kiss" (Kasik) (DOX169).
J. H. Squire's Chamber Orchestra, "L'Arlesienne Suite" (Bizet): (a) Minuet; (b) Intermezzo (02984).
Willem Mengelberg and His Concertgebouw Orchestra, "Slavonic Dance in G Minor" (Dvorak) (04348).
Bournemouth Municipal Orchestra, "Don Giovanni, Act-1, Minuet.
International Concert Orchestra, "Spring, Beautiful Spring" (Lincke).
7.0 : News, reports and sports results.
7.40 : Lecturette—Dr. Findlay, Medical Officer of Health, "Personal and Community Health, Past and Present."
8.0 : Chimes. The Etude Quartet in excerpts from "The Quaker Girl," by Lionel Monckton.
Selection—New Mayfair Orchestra, "Sons O' Guns" (H.M.V. C1982).
8.8 : Soprano—Miss Gretta Stark, "O, Time, Time."
Quartet—The Etude, "A Runaway Match."
8.14 : Selection—Salon Orchestra (Conductor, Mr. M. T. Dixon), "Lady Be Good" (Gershwin).
8.24 : Contralto—Mrs. Ray Kemp, "A Quaker Girl."
Duet—Mr. and Mrs. Ray Kemp, "The Bad Boy and the Good Girl."
8.30 : Sketch—Miss Gracie Kerr and Mr. James Cooke, "The Baggage."
8.40 : Organ—Reginald Foort, (a) "By the Blue Hawaiian Waters" (Ketelbey); (b) "Leave Me Alone"; (c) "Songs My Mother Taught Me."
8.48 : Waltz—Salon Orchestra, "Magic of Love" (Vanis); Novelty, "Making Love" (Levi).
9.0 : Weather report and station notices.
9.2 : Soprano—Miss Gretta Stark, "The Little Grey Bonnet."
Tenor and chorus—Mr. Will Hancock and Etude Quartet, "Come to the Ball."
9.8 : Fantasia—Salon Orchestra, "Molloy's Songs" (arr. Baynes).
9.20 : Sketch—Miss Gracie Kerr and Mr. James Cooke, "The Stocking."
9.28 : Quartet—The Etude, "Tip Toe."
Baritone and chorus—Mr. Ray Kemp and Etude Quartet, "Just as Father Used to Do."
9.34 : Violin—Erica Morini, (a) "Romanza Andaluza" (Sarasate); (b) "Introduction and Tarantelle" (Sarasate) (H.M.V. D1445).
9.42 : Contralto—Mrs. Ray Kemp, "Petticoats for Women."
Duet—Miss Gretta Stark and Mr. Will Hancock, "A Wilderness and Thou."

9.48 : Novelty—Salon Orchestra, "The Old Clock" (Creighton); Latest Dance Novelties.

10.2 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, NOVEMBER 26

- 3.0 : Gramophone recital.
3.15 : Lecturette—"Spring Salads." Talk prepared by the Home Science Extension Service, Otago University.
4.30 : Sports results.
5.0 : Children's hour.
6.0 : Dinner music session (H.M.V.)—
National Symphony Orchestra, "Stradella" Overture (Flotow).
Royal Opera Orchestra, "Faust" Ballet Music, 1st to 4th Movements (Gounod) (C1462); "The Sleeping Beauty" (Tchaikowsky).
National Symphony Orchestra, "Caucasian Sketches"—No. 1, "In the Mountain Pass" (Ippolitoff-Iwanoff) (Zono. EF36).
Organ duet—Mr. and Mrs. Jesse Crawford, "The Moonlight Reminds Me of You" (Kahn) (EA763).
Victor Oloff Sextet, "Cherry Ripe" (Scott) (B2697).
San Francisco Symphony Orchestra, "Rosamunde Entr'acte" (C1568).
Royal Opera Orchestra, "Prelude—The Huntress" (from "Sylvia Ballet") (Delibes) (C1417).
Reginald King and His Orchestra, "Song o' My Heart" Selection.
Royal Opera Orchestra, "Faust" Ballet Music, 5th to 7th Movements (Gounod) (C1463); "Shepherd Fennel's Dance" (Balfour Gardiner).
7.0 : News and reports.
7.15 : Talk—Mr. E. E. Wiltshire, "Books of the Month."
7.30 : Talk—Mr. R. McGillivray, Department of Agriculture, "Perennial Ryegrass Trials in Canterbury."
8.0 : Chimes. Specially recorded international programme.
Vitaphone Orchestra.
The Irresistible Imps.
The Flying Song Squadron.
Weather forecast and station notices.
Talk—Mr. L. R. R. Denny, M.A., F.R.H.S., "Anglo-French Relations."
Forget-me-not
Whispers.
God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, NOVEMBER 26.

- 12.0 : Results of Forbury Park Trotting Club's Spring Meeting.
5.0 : God save the King.

Friday, November 27

YA, AUCKLAND (875 KILOCYCLES)—FRIDAY, NOVEMBER 27.

- 3.0 : Chimes. Selected recordings.
3.15 : Literary selection.
4.30 : Sports results.
5.0 : Children's hour, conducted by Nod and Aunt Jean.
6.0 : Dinner music session (Columbia)—
Symphony Orchestra, "Poet and Peasant" Overture (Suppe) (05044).
Garde Republicaine Band, "The Two Pigeons" (Messenger) (02924).
Johann Strauss and Symphony Orchestra, "Morgan Blatter" (Strauss).
B.B.C. Wireless Symphony Orchestra, "La Boutique Fantastique" Selection (Respighi, arr. Coward) (Reg. G30018).
Plaza Theatre Orchestra, "Pearl o' Mine" (Fletcher) (01638).
Ketelbey's Concert Orchestra, "In a Fairy Realm" Suite (Ketelbey)—
The Moonlit Glade; (b) The Queen Fairy Dances; (c) The Gnomes' March (026945).
Garde Republicaine Band, "The Two Pigeons" (Messenger) (02925).
Johann Strauss and Symphony Orchestra, "Blue Danube Waltz."
Ketelbey's Concert Orchestra, "Bells Across the Meadows" (Ketelbey).
Plaza Theatre Orchestra, "Bal Masque Caprice" (Fletcher) (01638).
7.0 : News and market reports.
7.40 : Talk—Mr. Fred Discombe, "Hints on Pig Feeding."
8.0 : Chimes. A Phantasy—Plaza Theatre Orchestra, "Three Bears."
8.9 : Contralto—Mrs. Annie L. Lewis, (a) "Any Place is Heaven" (Lohr); (b) "The Rose Shall Bloom Again" (Oliver).
8.15 : Banjo solo—Mr. Frank Wade, "Medley" (arr. Wade).
Novelty—Frank Wade and His Melody Boys, "Frankie and Johnnie."
8.23 : Tenor—Mr. Abel Rowe, (a) "Te Huia" (Maori song of Welcome); (b) "He Tau Aroha" (Maori Lament) (Rowe).
8.29 : Piano—Mr. Cyril Towsey, (a) "Nocturne in D Major"; (b) "Two Preludes" (Chopin).
8.39 : Songs at the piano—Mrs. G. T. Brian, (a) "Garden of my Dreams" (Hirsch, Stamper), (b) "Dancing Time" (Kern).
8.45 : Saxophone piano—The Watters-Rae Duo, Saxophone—"Chiquita" (Barroll); piano, "Topsy Turvy" (Koeford); saxophone, "Saxerene."
8.55 : Chorus with orchestra—Columbia Light Opera Company, "Lionel Monckton Memories" (Monckton) (Col. 05038).
9.3 : Evening weather forecast and station notices.
9.5 : Contralto—Mrs. Annie L. Lewis, (a) "Sunshine and Rain" (Blumenthal); (b) "The Way Home" (Liddle).
9.11 : Steel guitar—Mr. L. Owen, "Hilo" March (Berger).
Novelty—Frank Wade and His Melody Boys, "Baby Your Mother."

- 9.18: Tenor—Mr. Abel Rowe, (a) "Chum"; (b) "Homesick" (Rowe).
 9.24: Humour—Miss Marian Irving, (a) "A Lock of His Hair"; (b) "One Month's Notice" (Bradshaw).
 9.35: Saxophone piano—The Watters-Rae Duo, piano, "What a Wonderful Night This Would Be" (Smythe); saxophone, "Annie Laurie."
 9.40: Selections—J. H. Squire's Celeste Octet, (a) "Perpetuum" (Weber, arr. Crooke); (b) "Valse Caprice" (Rubenstein, arr. Crooke).
 9.45: Songs at the piano—Mrs. G. T. Brian, (a) "Songs of Persia" (Whiting); (b) "Jabberwocky" (Kindis).
 9.54: Chorus and orchestral—Jack Hylton and His Orchestra, "More Old Songs" (H.M.V. C1783).
 10.2 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, NOVEMBER 27.

- 10.0 : Chimes. Selected gramophone recordings.
 11.12: Lecturette—"Fashions."
 12.0 : Lunch hour music.
 2.0 : Selected recordings.
 3.30 and 4.30: Sporting results.
 5.0 : Children's hour, conducted by Uncle Jim.
 6.0 : Dinner music session (Parlophone)—
 Frank Westfield's Orchestra, "The Belle of New York" Selection.
 Dajos Bela Orchestra, "Strauss, The Waltz King at Home" (Weber) (A4260); "Ideale" (Tosti) (A4015); "Viennese Life—Waltz."
 Victor Olof Salon Orchestra, "Grieg" Selection (arr. Urbach).
 Dajos Bela Orchestra, "Serenade" (Moszkowski) (A4015).
 Berlin State Opera Orchestra, "Wine, Women and Song" Waltz.
 Dajos Bela Orchestra, "Traumideale" (Fucik) (A4259).
 Frank Westfield's Orchestra, "Our Miss Gibbs" Selection (Monckton).
 Barnabas Von Geczy and His Orchestra, "Strauss Waltz Medley."
 7.0 : News, reports and sports results.
 8.0 : Chimes. Overture—2YA Orchestra (Conductor Signor A. P. Truda) "Chal Romano" (Ketelbey).
 8.8 : Trio—Aotea Trio, (a) "Tama Ngakau Marie"; (b) "E Rere Ra E Te Manu."
 8.13: Piano—Mr. J. A. Blackwood, March, "The Double Eagle."
 8.19: Tenor—Mr. Edwin Dennis, (a) "Gay and Bright"; (b) "Mary Jane."
 8.25: Selection—2YA Orchestra "The Sunshine Girl" (Rubens).
 8.35: Duets—Messrs. W. Ngahana and C. C. Moss, (a) "Mato Mate Rano"; (b) "Waiata Aroha."
 8.41: Soprano—Miss Ena Rapley, (a) "Sing, Joyous Bird" (Phillips); (b) "On the Sand" (Wynn and Andre).
 8.47: Piano—Mr. J. A. Blackwood, "Scotch Medley."
 8.53: Trio—Aotea Trio, (a) "Haere Ra"; (b) "Aue Mohi"; (c) "He Pura Tai Tama."
 9.0 : Weather report and station notices.
 9.2 : Suite—2YA Orchestra, "In Arcady" (Nevin).
 9.10: Duets—Miss Ena Rapley and Mr. Edwin Dennis, (a) "Just a Wee Bit" (Wynn and Andre); (b) "Quarrelling" (from "The Country Girl").
 9.16: Baritone—Mr. Claude C. Moss, "Ka Mate" (Te Rangī Hīkiora).
 9.20: Waltz—2YA Orchestra, "Destiny" (Baynes); foxtrot, "Dancing Time" (Kern).
 9.30: Dance programme (Brunswick)—
 Foxtrots—Ben Bernie and His Orchestra, "I'm Yours" (Harburg) (4998); Jacques Renard and His Orchestra, "Loving You The Way I Do" (Scholl) (4919); Ben Bernie and His Orchestra, "Confession" (Neiburg) (4898); Earl Burtnett and His Los Angeles Biltmore Hotel Orchestra, "Just a Little Dance, Mam'selle" (O'Flynn).
 9.42: Waltz—Abe Lyman and His California Orchestra, "This Is Love" (Grey) (4804).
 Foxtrots—Isam Jonts' Orchestra, "Sweet Jennie Lee" (Donaldson) (4909); Jacques Renard and His Orchestra, "Lucky Seven."
 9.51: Vocal—Wendell Hall, "Underneath the Mellow Moon" (Hall) (4879).
 9.54: Foxtrots—Ozzie Nelson and His Orchestra, "I Don't Mind Walkin' In The Rain" (Rich) (4897); Isam Jones' Orchestra, "In My Heart It's You" (O'Flynn) (4914); Earl Burtnett and His Los Angeles Biltmore Hotel Orchestra, "I Wonder How It Feels" (Sherman).
 10.3 : Jacques Renard and His Orchestra, "Sing Something Simple" (Hupfeld) (4918); "Can This Be Love?" (James) (4919).
 10.9 : Vocal—Jessica Dragonette, "When You're Away" (Blossom) (4904).
 10.12: Foxtrots—Isam Jones' Orchestra, "I'll Be Blue, Just Thinking Of You" (Whiting) (4914); Meyer Davis' Hotel Astor Orchestra, "Looking For The Lovelight In The Dark" (Dubin) (4870); Earl Burtnett and His Los Angeles Biltmore Hotel Orchestra, "Little White Lies" (Donaldson) (4881).
 10.21: Waltz—Castlewood Marimba Band, "When the Organ Played at Twilight" (Wallace) (4913).
 10.24: Foxtrots—Ozzie Nelson and His Orchestra, "I Still Get a Thrill" (Davis) (4897); Meyer Davis' Hotel Astor Orchestra, "As Long As I Have You" (Dubin Burke) (4870); Tom Gerun and His Orchestra, "A Big Bouquet For You" (Kahn) (4895).
 Vocal—Wendell Hall, "Land Of My Sunset Dreams" (Hall) (4879).
 10.36: Foxtrots—Tom Gerun and His Orchestra, "Sing" (Johnson) (4911); Tom Gerun and His Orchestra, "If I Could Be With You" (Leslie) (4911); Earl Burtnett and His Los Angeles Biltmore Hotel Orchestra, "Sweetheart Of My Student Days" (Kahn) (4927).
 10.48: Waltz—Castlewood Marimba Band, "Moonlight on the Colorado."

- 10.51: Emil Coleman and His Orchestra, "I've Got Five Dollars" (Rodgers) (6036); Loring Nichols and His Orchestra, "You Said It" (Arlen) (6029); Emil Coleman and His Orchestra, "We'll Be The Same."
 11.0 : God save the King.

3YA, CHRISTCHURCH (930 KILOCYCLES)—FRIDAY, NOVEMBER 27.

- 3.0 : Gramophone recital.
 4.30: Sports results.
 5.0 : Children's hour.
 6.0 : Dinner music session (Parlophone)—
 Edith Lorand's Orchestra, "Tales of Hoffman" Fantasia (A4070).
 Dajos Bela String Orchestra, "Goldregen" (Waldteufel) (A4238).
 Otto Dobrindt and His Symphony Orchestra, "Speak Not of Love Eternal" (Granichstaedten) (A4275).
 Dajos Bela Orchestra, "I Pagliacci" Selection (Leoncavallo) (A4090).
 Sandor Joszi Orchestra, "Polo" (Fetras) (A2851).
 Dr. Ormandy's Instrumental Trio, "From the Land of Sky-Blue Water"
 Dajos Bela Orchestra, "Delirien" Waltz (Strauss) (A4182); "Count of Luxembourg" Waltz (Lehar) (A4182).
 Sandor Joszi Orchestra, "Marionette's Wedding March" (Rathie).
 Dajos Bela Orchestra, "Viennese Waltz" Potpourri (Robrecht).
 Berlin State Opera Orchestra, "Praeludium" (Jarnefeldt) (A2735).
 Dajos Bela String Orchestra, "Gold and Silver" (Lehar) (A4238).
 Mitja Nikisch and His Symphony Orchestra, "Madelon" Dream Waltz.
 7.0 : News and reports.
 7.30: Talk—Mr. F. W. J. Belton, under the auspices of the Canterbury Manufacturers' Association, "Coal in New Zealand."
 8.0 : Chimes. Orchestral—Squire's Celeste Octet, "Everybody's Melodies."
 8.8 : Baritone—Mr. Claude Burrows, with octet accompaniment, (a) "Invictus" (Huhn); (b) "Up from Somerset" (Sanderson).
 8.15: Violin and piano—Norma and Margaret Middleton, Scottish Folk Song Melodies—(a) "The Blue Bells of Scotland," (b) "Bonnie Sweet Bessie," (c) "My Ain Folk," (d) "Comin' Thro' the Rye."
 8.21: Mezzo-soprano—Mrs. Josephine Branshan, with octet accompaniment, "Rose Softly Blooming" (Spohr).
 8.25: Orchestral—Paul Whiteman and His Orchestra, "Song of India."
 8.29: Vaudeville—The Two Rascals, (a) "You're the One I Care For" (Grey); (b) "Chin Wag"; (c) "Piano Novelties" (arr. Goodland).
 8.39: March—Studio Octet (Conductor, Harold Beck), (a) "The London Scottish" (Haines); (b) "Comrades in Arms" (Greenwald).
 8.51: Mezzo-contralto—Mrs. Sen Jowett, (a) "White Winding Road" (Coates); (b) "Queen of Loveliness" (Clarke).
 8.56: Violin and organ—De Groot and Terence Casey, "Cavatina" (Raff).
 8.59: Vocal trio—The Baraldi Trio, "Beauteous Morn" (German).
 9.2 : Weather forecast and station notices.
 9.4 : Orchestral—Paul Whiteman and His Orchestra, "Liebestraum."
 9.8 : Baritone—Mr. Claude Burrows, (a) "The Cobbler's Song" (Norton); (b) "A Cartload of Hay" (Adams).
 9.13: Violin and piano—Norma and Margaret Middleton, Irish Folk Songs (arr. Middleton)—(a) "The Last Rose of Summer"; (b) "Believe Me If All Those Endearing Young Charms"; (c) "The Rose of Tralee"; (d) "The Minstrel Boy."
 9.19: Mezzo-soprano—Mrs. Josephine Branshan, (a) "Ave Maria" (Luigi Luzzi); (b) "In My Garden" (Schumann).
 9.25: Banjo—Ollie Oakley, "Camptown Carnival" (Morley) (Parlo. A3050).
 9.28: Vaudeville—The Two Rascals, "She's a Gorgeous Thing" (Coots); "Chin Wag"; "Hot Piano" (arr. Goodland).
 9.38: Violin and organ—De Groot and Terence Casey, "Parted" (Tosti).
 9.41: Mezzo-contralto—Mrs. Sen Jowett, with octet accompaniment, (a) "Wind on the Wheat" (Phillips); (b) "Hushen" (Needham).
 9.46: Vocal trio—The Baraldi Trio, "Orpheus With His Lute" (German).
 9.49: Selection—Studio Octet, "Florodora" (Stuart).
 10.1 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, NOVEMBER 27.

- 3.0 : Selected recordings.
 4.30: Sports results.
 5.0 : Children's hour, conducted by Aunt Sheila.
 6.0 : Dinner music session (H.M.V.)—
 National Symphony Orchestra, "Light Cavalry" Overture (Suppe).
 De Groot and the Piccadilly Orchestra, "Till I Wake" (B2237).
 London Symphony Orchestra, "Chanson de Matin" (Elgar) (D1236).
 San Francisco Symphony Orchestra, "Liebesleid" (Kreisler) (ED6).
 Philadelphia Symphony Orchestra, "Invitation to the Waltz" (Weber).
 New Light Symphony Orchestra, "Spanish Serenade" (Bizet) (B2584).
 Createore's Band, "Semiramide" Overture (Rossini) (C1420).
 De Groot and the Piccadilly Orchestra, "The Temple Bells" (B2237).
 London Symphony Orchestra, "Chanson de Nuit" (Elgar) (D1236).
 San Francisco Symphony Orchestra, (a) "Serenade" (Moszkowski); (b) "Anbade" (Auber) (ED6).
 New Light Symphony Orchestra, "Spanish Dance, No. 1" (B2584).
 San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov).
 7.0 : News and reports.
 8.0 : Chimes. Medley—Paul Godwin's Orchestra, "Sidelights" (Morena).
 8.9 : Chorus—The Happy Four, (a) "Deck the Hall" (Welsh air); (b) "Massa's in the Cold Ground" (Foster).
 8.15: Selection—Dagg's Band, "The Lancers" (arr. Dagg).
 8.27: Tenor—Mr. G. Crawford and chorus, "Silver Threads Among the Gold".
 8.31: Accordion—Gellin and Borgstrom, (a) "Rio Negro" (Jaurez); (b) "Darby and Joan" (Gilbert) (Poly. 22038).
 8.37: Humour—Mr. J. B. Flynn, (a) "An Irish Letter"; (b) "Jimmy Butler and the Owl."

- 8.44: Waltz—Dagg's Band, "Songs of the Past" (arr. Dagg).
 8.52: Chorus—The Happy Four, (a) "Bonnie Dundee" (Trdtl.); (b) "Old Black Joe" (Foster).
 9.0: Weather report and station notices.
 9.2: Selection—Berlin State Opera House Orchestra, "Rosenkavalier" Waltzes (Strauss) (Poly. 69863).
 9.10: Negro spirituals—The Happy Four, (a) "Swing Low, Sweet Chariot"; (b) "Steal Away" (Trdtl.).
 9.16: Irish selection—Dagg's Band, "Irish Quadrilles" (arr. Dagg).
 9.26: Humour—Mr. J. B. Flynn, "Father Blake's Collection" (Lover).
 9.33: Organ—G. T. Pattman, (a) "Worryin'" (Fairman); (b) "Cherie."
 9.39: Barn dance—Dagg's Band, "Barn Dance" (arr. Dagg).
 9.45: Chorus—The Happy Four, (a) "Wearing of the Green" (Irish air); (b) "Hark, the Vesper Hymn" (Rousseau).
 9.50: Selection—Dagg's Band, "Medley" (arr. Dagg)—(a) "La Rinka"; (b) "Valse of Vienna"; (c) Highland Schottische; (d) Waltz.
 10.0: God save the King.

Saturday, November 28

1YA, AUCKLAND (875 KILOCYCLES)—SATURDAY, NOVEMBER 28.

- 12.0: Chimes. Results of first day's racing of the Takapuna Jockey Club meeting.
 5.0: Children's hour, conducted by Cinderella.
 6.0: Dinner music session (Parlophone)—
 Berlin State Opera Orchestra, "The Magic Flute" Overture (Mozart).
 Orchestra Mascotte with Dajos Bela, "Whispering of the Flowers."
 Grand Symphony Orchestra, "Chinese Street Serenade" (Siede) (A4159); "Midsummer Night's Dream" Scherzo (Mendelssohn) (A4084); Japanese Lantern Dance" (Yoshitomo) (A4159).
 Dajos Bela Orchestra, "The Court Ball" (Lanner) (A4172).
 Grand Symphony Orchestra, "The Jewels of the Madonna" (Wolf-Ferrari): (a) Intermezzo; (b) Apache Dance (A3171).
 Orchestra Mascotte with Dajos Bela, "The Flowers' Dream."
 Dajos Bela Orchestra, "The Three Waltz Kings—Viennese Waltz Fantasia" (Strauss) (A4217).
 Grand Symphony Orchestra, "Midsummer Night's Dream" Wedding March (Mendelssohn) (A4084).
 Dajos Bela Orchestra, "Woodland Peace" (Favilla) (A4172).
 Edith Lorand's Orchestra, "Norma" Fantasia (Bellini) (A4011).
 7.0: News and market reports.
 7.40: Talk, under the auspices of the Auckland Horticultural Society of New Zealand Institute of Horticulture.
 8.0: Chimes. Concert by the Municipal Band (Conductor, Mr. Geo. Buckley)
 Triumphal march—The Band, "Entry of the Boyards" (Halvorsen).
 Overture—Band, "Mignon" (Thomas).
 Male quartets—Kedroff Male Quartet, (a) "Church Bells of Novgorod" (arr. Karnovich); (b) "A Life for the Czar" (Glinka).
 Cornet duet—Messrs. F. Bowes and J. Davies, "The Swiss Boy."
 Selection—The Band, "Samson and Delilah" (Saint-Saens).
 Novelty—The Band, "The Tipperary Twist" (Carver).
 Male Duets—Layton and Johnstone, "Leslie Stuart Memories," Part 1.
 Selection—The Band, The Story of the Kalender from "Scheherazade" (Rimsky-Korsakov); waltz, "La Jeunesse Doree" (Gungl).
 Male duets—Layton and Johnstone, "Leslie Stuart Memories," Part 2.
 Piccolo—Mr. Hal McLennan, "Silver Birds" (Le Thiere).
 Selection—The Band, "The Bohemian Girl" (Balfe).
 Intermezzo—The Band, "Moonlight Saving Time" (Richman).
 Humorous duets—The Two Gilberts, (a) "We're Uncomfortable" (Wallace); (b) "We're All Happy" (Leslie) (Reg. G20809).
 Selection—The Band, "Songs of the Sea" (Stanford): march, "Holy-wood" (Alford).
 10.0: Programme of dance music (Columbia)—
 Foxtrots—Ben Selvin and His Orchestra, "Cross Your Fingers" (Swanstrom) (DO49). Leo Reisman and His Orchestra, "Ma Belle" (The Three Musketeers) (Friml) (DO384). Ben Selvin and His Orchestra, "Why?" (Davis) (DO49).
 10.9: Waltz—Jack Payne and His B.B.C. Dance Orchestra, "A Little Nest Near Heaven" (Perry) (DO419).
 Foxtrots—"I'm Gonna Get You" (Arnheim) (DO467). The Midnight Revellers, "I Lost My Gal Again" (Lewis) (Reg. G21061).
 10.18: Vocal—Len Maurice, "Bubbling Over With Love" (Russell).
 10.21: Foxtrots—The Midnight Revellers, "You'll Be Mine in Apple Blossom Time" (Tobias) (Reg. G21061). Billy Cotton and His Band, "Egyptian-Ella" (Doyle) (DO403). Leo Reisman and His Orchestra "The Three Musketeers March" (Friml) (DO384).
 10.30: Debroy Somers Band, "The One Man Band" (Weems) (DO403): "When I Take My Sugar to Tea" (Fain) (DO454).
 Waltz—Jack Payne and His B.B.C. Dance Orchestra, "The Waltz You Saved For Me" (Kahn) (DO421).
 10.39: Foxtrot—Jack Payne and His B.B.C. Dance Orchestra, "Walking in the Sun" (Payne) (DO421).
 10.45: Vocal—Len Maurice, "One Little Raindrop" (Richman) (Reg. G21110).
 10.48: Foxtrots—Guy Lombardo and His Royal Canadians, "Whistling in the Dark" (Reg. G21069). Jack Payne and His B.B.C. Dance Orchestra, "I Surrender Dear" (Clifford) (DO467). Guy Lombardo and His Royal Canadians, "Building a Home for You" (Kahn) (Reg. G21069). Debroy Somers Band, "Goodbye" (Graham) (DO454).
 11.0: Sporting summary.
 11.10: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, NOVEMBER 28.

- 3.0: Chimes. Selected gramophone recordings.
 3.30 and 4.30: Sporting results.
 5.0: Children's hour, conducted by Aunt Molly.
 6.0: Dinner music session (H.M.V.)—
 International Concert Orchestra, "La Spagnola Waltz" (Di Chiara).
 Novelty Orchestra, "Passion Rose" (Lehar) (Zono. EE200).
 Berlin State Opera Orchestra, "German Dances" (Mozart) (D1624).
 Organ—Sydney Gustard, "Un Peu D'Amour" (Slesu) (B3318).
 Reginald King and His Orchestra, "The Song I Love" (Henderson).
 H.M. Coldstream Guards Band, "La Fille De Madame Angot."
 The London Palladium Orchestra, "Sunset" (Matt) (C1898).
 Vienna Philharmonic Orchestra, "Die Fledermaus" Waltz (Strauss).
 International Concert Orchestra, "My Treasure" (Becucci).
 Novelty Orchestra, "Midnight Bells" (Henberger) (Zono. EE200).
 Organ—Sydney Gustard, "Poupee Valsante" (Poldini) (B3318).
 Reginald King and His Orchestra, "Garden in the Rain" (Gibbons).
 The London Palladium Orchestra, "Dawn" (Matt) (C1898).
 7.0: News, reports and sports results.
 8.0: Chimes. Relay from the Concert Chamber, Town Hall, of concert by the Wellington Commercial Travellers and Warehousemen's Association Male Voice Choir.
 10.0 (approx.): Dance programme (Columbia)—
 Foxtrots—The Melodiers, "That Little Boy of Mine" (Meroff) (Reg. G21067). Jack Payne and His B.B.C. Dance Orchestra, "Your Eyes" (Stolz) (DO428). The Melodiers, "If You Should Ever Need Me" (Burke) (G21067). Billy Cotton and His Band, "Wha'd Ja Do To Me?" (Ager) (DO439).
 10.12: Waltz—Jack Payne and His B.B.C. Dance Orchestra, "I Offer You These Roses" (Edgar) (DO466).
 Foxtrots—Debroy Somers Band, "Lovely Lady" (Wood) (DO422). Jack Payne and His B.B.C. Dance Orchestra, "You're Twice as Nice as the Girl in My Dreams" (Wendling) (DO466).
 10.21: Vocal—Len Maurice, "Moonlight Saving Time" (Kahal) (G21122).
 10.24: Foxtrots—Debroy Somers Band, "She's Not Worth Your Tears" (Warren) (DO417). Bert Lown and His Hotel Biltmore Orchestra, "I'm Yours" (Harburg) (H.M.V. EA853). Debroy Somers Band, "I'll Keep You in My Heart Always" (Kennedy) (DO447).
 10.33: Waltzes—Debroy Somers Band, "Just Two Hearts and a Waltz Refrain" (Stolz) (DO422): "When It's Sunset on the Nile."
 Foxtrot—Jack Payne and His B.B.C. Dance Orchestra, "There's a Good Time Coming" (Butler) (DO221).
 10.42: Vocal—Len Maurice, "Trying to Forget" (Davis) (Reg. G21122).
 10.45: Foxtrots—Jack Payne and His B.B.C. Dance Orchestra, "Say a Little Prayer For Me" (Nicholls) (DO221). Guy Lombardo and His Royal Canadians, "Elizabeth" (Caesar) (DO393). Jack Payne and His B.B.C. Dance Orchestra, "You Too" (Stolz) (DO428).
 10.54: Waltz—Debroy Somers Band, "Rocky Mountain Lullaby" (Lee).
 Foxtrot—Jack Payne and His B.B.C. Dance Orchestra, "Bubbling Over With Love" (Russell) (DO439).
 11.0: Sporting summary.
 11.10: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, NOVEMBER 28.

- 3.0: Gramophone recital.
 4.30: Sports results.
 5.0: Children's hour.
 6.0: Dinner music session (Columbia)—
 Albert Sandler and His Orchestra, "For You Alone" (Geehl) (01912).
 J. H. Squire's Celeste Octet, "Hungarian Dance in A Minor" (Brahms).
 Milan Symphony Orchestra, "Semiramide" Overture (Rossini).
 Ketelbey's Concert Orchestra, "The Clock and the Dresden Figures."
 Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).
 Eddie Thomas' Collegians, "The Missouri Waltz" (Logan) (02553).
 Gil Dech Ensemble, "Valse Parisienne" (Roberts, arr. Barry) (01923).
 Debroy Somers' Band, "Mister Cinders" Selection (Ellis and Myers).
 J. H. Squire's Celeste Octet, "Minuet In D" (Mozart, arr. Willoughby).
 Organ—Emil Velazco, "Estrellita" (Ponce) (01795).
 Albert Sandler and His Orchestra, "Salut D'Amour" (Elgar) (01912).
 J. H. Squire's Celeste Octet, "Hungarian Dance in D" (Brahms).
 Ketelbey's Concert Orchestra, "Wedgwood Blue" (Ketelbey).
 Bournemouth Municipal Orchestra, "Echoes of the Valley" (Gennin).
 Gil Dech Ensemble, "Italian Nights" (Roberts) (01923).
 7.0: News and reports.
 7.30: Sports results.
 8.0: Chimes. Relay of programme from 4YA Dunedin, Musical comedy, "The Boy," presented by Dunedin Amateur Operatic Society.
 10.0: Dance music (Panachord)—
 Foxtrots—Benny Goodman and His Orchestra, "What Have We Got To Do To-night But Dance?" (Kahn) (P12138); Ed. Loyd and His Orchestra, "Mary Jane" (Robinson) (P12147); Benny Goodman and His Orchestra, "I Wanna Be Around My Baby All The Time" (P12138); Mark Fisher's Orchestra, "You'll Be Mine in Apple Blossom Time" (Tobias) (P12147).
 10.12: Waltz—The Ambassadors, "One Love" (Koehler) (P12003).
 Foxtrots—Art Kahn's Orchestra, "It's a Lonesome Old Town" (Tobias) (P12081); Milt Shaw and His Detroiters, "The River and Me" (Dubin) (P12060); Art Kahn's Orchestra, "Truly" (Hirsch).
 10.24: Vocal—Hal Stead, "Running Between the Raindrops" (Dwrenforth).

- 10.27: Tango—Juan Llossas and His Orchestra, "My Beautiful Vis-a-Vis."
 Foxtrots—Milt Shaw and His Detroiters, "The Sleepytown Express" (Gillespie) (P12061); Ralph Bennett and His Seven Aces, "Yours and Mine" (Nelson) (P12062); Milt Shaw and His Detroiters, "The King's Horses" (Graham) (P12061).
- 10.39: Waltzes—Jack Richard and His Miami Orchestra, "Two Hearts in Waltz Time" (Robinson) (P12008); Jan and Patrick Hoffmann Band, "Until We Meet Again Sweetheart" (Lombardo).
- 10.45: Vocal—Hal Stead, "I Found a Million Dollar Baby" (Rose).
- 10.48: Tango—Juan Llossas and His Orchestra, "For The Last Time Let Me Dance With You" (Thompson) (Poly. 23951).
 Foxtrots—Art Kahn's Orchestra, "You Didn't Have To Tell Me" (Tobias) (P12062); Ralph Bennett and His Seven Aces, "Fall In Love With Me" (Tobias) (P12062); Milt Shaw and His Detroiters, "Blue Again" (Fields) (P12090).
- 11.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, NOVEMBER 28.

- 12.0 : Results of Forbury Park Trotting Club's spring meeting.
- 4.30: Sports results.
- 5.0 : Children's hour, conducted by Aunt Anita.
- 6.0 : Dinner music session (Polydor)—
 Paul Godwin's Orchestra, "From Ear To Ear" (Morena) (19623).
 Great Symphony Orchestra, "The Master Miner" (Zeller) (23315).
 Paul Godwin's Orchestra, "Alsatian Country Dance No. 2" (Merkelt) (21210); "Smitten" (Ziehrer-Hruby) (21709).
 Symphony Orchestra, "Countess Mariza" Medley (Kalman) (19068).
 Paul Godwin's Orchestra, "Flower Song" (Lange) (21709); "Marietta" Fantasia (Strauss) (27154).
 Association des Concerts Lamoureux, Paris, "Petite Suite" (Debussy)—
 (1) En Bateau; (2) Cortège; (3) Mennet; (4) Ballet (66958-9).
 Paul Godwin's Orchestra, "Alsatian Country Dance No. 1" (Merkelt).
- 7.0 : News and sports results.
- 8.0 : Chimes. Relay from His Majesty's Theatre of presentation of Lionel Monckton's Light Opera "The Boy" (Monckton, arr. Kirk-Burn-

nand), by the Dunedin Amateur Operatic and Dramatic Society. Producer: Major F. H. Lampen. Musical Director: Thos. J. Kirk-Burnnand.

- 10.0 : Dance programme (Brunswick)—
 Foxtrots—Jacques Renard and His Orchestra, "He's My Secret Passion" (Valentine) (4978X); Ben Bernie and His Orchestra, "One Little Raindrop" (Richman) (6062X); Hal Kemp and His Orchestra, "Would You Like To Take a Walk?" (Dixon) (6048X).
- 10.9 : Waltz—Regent Club Orchestra, "Broken Hearted" (Kenny) (6062).
 Foxtrots—Tom Gerun and His Orchestra, "Cheerful Little Barful" (Gershwin) (4971X); Emil Coleman and His Orchestra, "Isabel" (Caesar) (41286); "Overnight" (Rose) (4971X).
- 10.21: Vocal—Bing Crosby, "Out of Nowhere" (Heyman) (6080).
- 10.24: Foxtrots—Ozzie Nelson and His Orchestra, "Do I Really Deserve It From You" (Clare) (6060); Emil Coleman and His Orchestra, "Oh Donna Clara" (Caesar) (41286); Ozzie Nelson and His Orchestra, "Dream a Little Dream Of Me" (Kahn) (6060).
- 10.33: Waltzes—Jacques Renard and His Orchestra, "Reaching For The Moon" (Berlin) (6021X); Emil Coleman and His Orchestra, "Heavenly Night" (Eliscu) (6037).
- 10.39: Foxtrots—Loring "Red" Nichols and His Orchestra, "Were You Sincere" (Meskill) (6070); Noble Sissle and His Orchestra, "Got The Bench—Got The Park" (Lewis) (6077); Loring "Red" Nichols and His Orchestra, "Teardrops and Kisses" (Kenny) (6070).
- 10.48: Vocal—Bing Crosby, "If You Should Ever Need Me" (Dubin) (6090).
- 10.51: Foxtrots—Ben Bernie and His Orchestra, "One More Time" (de Sylva) (6063); Jacques Renard and His Orchestra, "With All My Heart" (Ford) (6037); Ben Bernie and His Orchestra, "When Your Lover Has Gone" (Swan) (6063).
- 11.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SATURDAY, NOV. 28.

- 2.50 to 4.30 p.m. (approx.): Sports relay.
- 6.30 to 7.30 p.m.: Children's session
- 7.30 to 8.0 p.m.: Sports results and talks.
- 8 to 10 p.m.: Concert and dance programme, with sports results.

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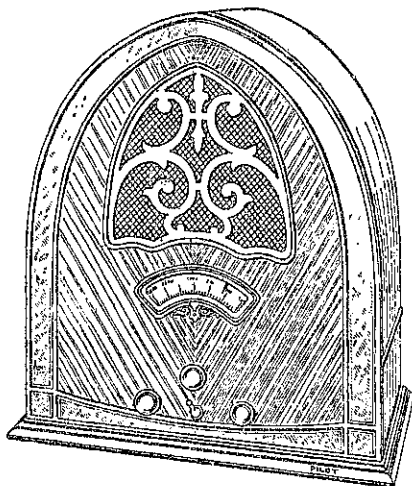
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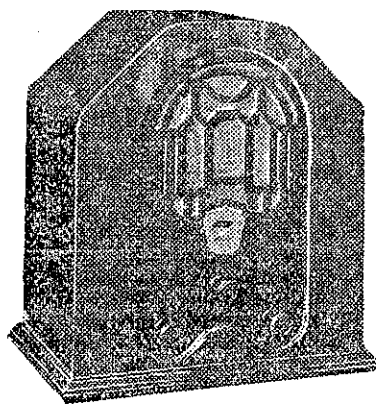
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"Night-owl Three"

(Continued from last week.)

Operating the Set.

WHEN the wiring has been completed and carefully checked, and the front panel screwed to the base by means of three screws, the receiver is ready for operation. Two, four or six volt valves may be used throughout with very little noticeable difference in efficiency. Six volt valves are, if anything, a trifle more sensitive than four or two. The detector valve should be one of medium impedance of the type A615, the first stage audio valve should be of the A609 type, and the last stage a type B609, or, if desired, a power valve of the type B605. Equivalents of these valves in many other makes are, of course, also available, and if the constructor does not know them, any dealer would be only too pleased to give him the required information.

If the valves are of suitable low consumption type, dry batteries may be employed for "A" supply in this receiver. If two volt valves are used, four dry cells in series—parallel will give excellent results, but a suitable resistance—for example, a 30 ohms rheostat—should be inserted in the "A+" lead to break the voltage down to that required by the valves.

To Safeguard Your Valves.

AS valves are rather expensive items, and as everyone occasionally makes mistakes in wiring—even the Tech. Ed.—we have provided for the inclusion of a fuse in this set. This is clearly shown in the baseboard layout diagram and is connected between "A—" and "B—." It consists of base and flashlamp bulb, both of which may be bought very cheaply. When buying the latter, though, be careful that you do not get hold of a torch bulb, for these take anything up to a $\frac{1}{4}$ and $\frac{1}{2}$ an amp, and your valves would go long before it would burn out. On the other hand, flashlamp bulbs have very delicate filaments and will stand very little current.

Before inserting the valves in their sockets, in the initial try-out it is always safer to conduct preliminary tests on the wiring with an ordinary torch bulb, or one of the old bright emitter type valves. If a torch bulb is used, twist a piece of wire around the base and stand the bulb on an earthed portion of the receiver. Then connect the "A" battery up and touch the wire in turn on the "F+" terminal of each valve base. In each case the bulb should light up, and if it does not, the mistake in the wiring should be traced down and rectified before proceeding further. If the filament wiring has been found to be O.K., connect the "B"

battery up and repeat the filament test with the bulb. This is to ensure that the "B" battery has not been accidentally placed across the filament. If the bulb lights up in the ordinary way, the valves may now be safely plugged in.

The speaker or headphones are now plugged in and the set switched on. This should produce a definite click in the speaker or phones and the set should sound live. If this does not occur it should be switched off instantly and the wiring carefully re-checked.

In adjusting the set for operation, proceed in this manner. Use the 80 metre coil—for there are usually plenty of amateurs on that band and they are easy to tune in—and rotate the reaction condenser until the set oscillates. You will recognise this condition by a plop in the phones. Now adjust the rheostat, tuning it as you would an extra dial until the plop becomes more of a hiss. You will find that there is one point in the setting where the set reacts best; find this point and leave it at that. Now adjust the "B" voltage on the detector, trying all the while to get rid entirely of the plop, and to turn it into a smooth hiss. Next adjust the potentiometer grid return and it will be found that there is a position where there is absolutely no plop and where the set oscillates smoothly.

Everything is now ready for trying out on the reception of stations. If difficulty has been found with oscillation, first look to the midgeet condenser and see that it is actually in the circuit. It is not a bad plan to bend slightly the upper moving vane so that it can be brought into contact with the fixed vanes when fully meshed and so the condenser can be cut out of the circuit at will. If this is done, make quite certain that it is in the circuit when first trying out the set. Failure in this respect will often cause the set not to oscillate.

When the set is oscillating smoothly rotate the tuning dial, at the same time operating the reaction dial so that the set is "breathing" all the while. It will be noticed that as the condenser is moved from minimum to maximum mesh, more reaction is needed. On hearing a whistle, operate both condensers until it can be cleared up and the station tuned in.

Remember that in tuning a shortwave receiver very little movement is necessary to bring in a station and to tune it out again.

(Concluded on page 30.)

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Philips A442 Penthode, 18/9

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Short-wave Notes

Shortwave Broadcasts From Java.

THE test programmes on several short-wave lengths from the Dutch East Indies, reported upon in our page on October 23, have concluded. Regular programmes are to be transmitted, wave-lengths, hours of transmission, etc., having not yet been arranged. The address of the station is N.Z. Nederlandsch, Indische, Radio Omroep, Moatschappij, Tandjong, Priok, Zuiderderweg, Batavia, Java, D.E.I.

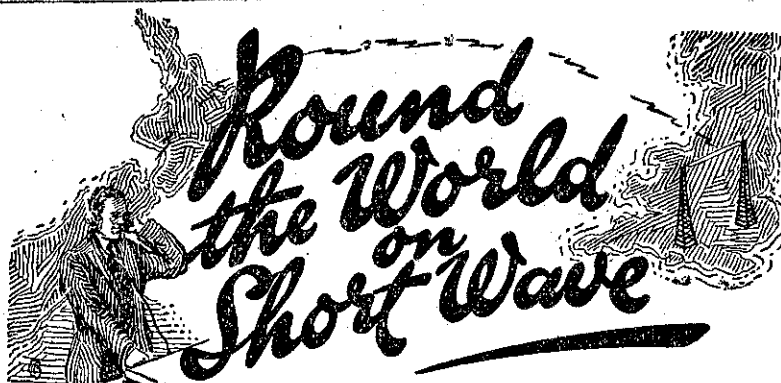
Shortwaves From Honolulu.

QUITE a lot of music and talk has been heard during the last few days from stations KRO, Honolulu, Hawaii, on 51.37 metres. I heard them first on Sunday, November 8, at 7 p.m., when records were being transmitted. Reception was excellent, being R8-9, with one stage of audio. Beside giving their call, KRO, and frequency, Riverhead, Long Island, New York, was called and asked for a report for the transmission. The test programme was still on at 10 p.m., but signals were not as strong, and static became severe. On Thursday, November 12, another long test was heard, this time with W3XL, Boundbrook, N.J., from 6 p.m. Volume again was good. The exchange of programmes was being arranged, W3XL to transmit a typical New York programme from 4.30 p.m. our time on Sunday, November 15, "for the boys down there," and from KOR to "put over" typical Hawaiian music from 5 p.m. for 15 minutes. In arranging these transmissions, so that no mistake should be made in the time, Eastern standard, Pacific standard, Hawaiian local, and Greenwich mean time were given as a check.

Hawaiian Music via America.

THE special programme was not quite in the order mentioned. It was in the nature of a programme dedicated to Station KGU, Honolulu, and broadcast by the National Broadcasting Company on their coast-to-coast network of stations. It was announced that it was the 110th anniversary of the first settlers of New England arriving at Hawaii.

The first part of the programme originated in New York. The next was from the studio of KGU in Honolulu, from which native music, instrumental and vocal, was broadcast. This the announcer stated travelled 5000 miles to New York, 2000 miles over the air to California, and 3000 from there to their studios—and in our case 9000 miles back to Wellington; 14,000 miles in all from Honolulu before it reached us. This portion of the programme was not so clear as the other, but considering the distance, rebroadcast, land lines, etc., it was quite good. Later, the programme originated at KGO.



THIS page is conducted in the interests of shortwave enthusiasts. A weekly log comprising notes of reception and interesting topical events is contributed by Mr. F. W. Sellens, Northland, Wellington, but all listeners are invited to send in paragraphs of general interest.

San Francisco. This, of course, was carried by land line to 3XL at New Jersey.

The special broadcast concluded at 5.30 p.m., after which "we are now going over to the Edgewater Beach Hotel, Chicago, where you will be entertained by dance music by Paul Whiteman, etc., was announced.

Reception was R8-9. Static was troublesome.

The Armistice Service From London.

I HAVE listened to several Armistice Day services from London, via G5SW, but never before has one been so well received as on last Wednesday. At 10.15 p.m. the carrier of G5SW was heard at great strength, with the usual surge, but not nearly so bad as usual; in fact, it promised to be quite good for the special transmission to follow. Nothing was heard, except the "tuning whistle," a high-frequency note which is put on the air to enable listeners to tune in properly, till 10.30 p.m., when the Greenwich time signal—6 dots—was broadcast. This was followed by the usual opening call, and the announcement of what was going to take place, giving the order of the service, etc.

They then went over to the Cenotaph where the massed Guards Bands played selections till the service proper was ready to commence at about 10.50 p.m. Most listeners will know what followed, as 2YA took up the relay at this time, and continued till 5SW signed off about 11.10 p.m. Readability was good all through, the prayers by the Bishop of London, and the military orders were very distinct.

Volume was all that could be desired, being quite loud on the speaker. The rebroadcast by 2YA from my place was successful.

Log for Week Ending Nov. 14

THIS log does not include any station heard on commercial telephone service.

RV15, Siberia, 70.1 metres.—Every evening at good volume.

KRO, Honolulu, 51.37 metres.—Sunday and Thursday as reported earlier in these notes; also on Friday from 5.30 p.m. till 9.30 p.m.; R7 all through, but very noisy and gushy.

HVJ, Vatican City, 50.26 metres.—Each morning from 7 a.m. Usually R9, with excellent quality.

RW59, Moscow, 50 metres.—R8-9 at 6.30 a.m., but very weak by 7 a.m.

W9XF, Chicago, 49.83 metres.—Reaches R8-9 by 5.30 p.m., but has been very noisy lately.

ZL2ZX, Wellington, 49.5 metres.—Monday, Thursday, and Saturday; always good volume.

W8XAL, Cincinnati, 49.5 metres.—Each afternoon, reaching best volume, R8-9, by 6 p.m., but usually mushy. At night, from 11.30 p.m., their volume is R9; the quality also is better than daylight reception.

W2XAF, Schenectady, 31.48 metres.—Reaches R8 by 4 p.m. Quality quite good, except for slight surging.

WIXA2, Springfield, 31.35 metres.—Only heard on Sunday and Monday at 4.30 p.m., and then only just audible.

VK2ME, Sydney, 31.23 metres.—Sunday from 5 p.m., and again on Monday morning at R9.

G5SW, Chelmsford, 25.53 metres.—Very poor each morning at 7 a.m., but at 12.30 a.m. it is quite good. On Monday night I heard their carrier at 11.30 p.m., but nothing was doing till 12.30 a.m., when, after the usual call, the next day's programme was given, but no mention was made of the Armistice service. Big Ben was heard striking the half-hour. Reception was quite good at R7-8. After the Armistice service, reported elsewhere, 5SW closed till 12.30 a.m., when it came back again at R7, still with the surge, as earlier, but quite good.

12RO, Rome, 25.4 metres.—Not heard much now; Monday, Wednesday, and Friday weak and gushy at 8 a.m. This appears to be the peak period, as I have not heard much of them before or after this time.

W8XK, Pittsburgh, 25.25 metres.—Sometimes heard during the afternoon, but usually closes before reaching readable volume.

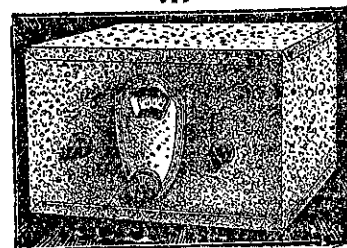
25.7 metres (about).—Monday, midnight, talk and music at R2-3. Could not catch any call.

FYA, Paris, 25.2 metres.—Varies a lot in volume. Monday, 8 a.m., R2 only. Tuesday, 7.45 a.m., R8, with rapid fade. Wednesday, 6.45 a.m., R8, very rapid fade; no sign at 7.30 a.m. Saturday, 6.30 a.m., R6, rapid fade. Not heard on other mornings.

Russian (?), 25.2 metres (about).—Sunday, 10 p.m., R9; static very bad. Same programme as RV15.

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A Courageous Cleric.

"**AUTOLYOUS**" in the "Sunday Times," writes: "One clergyman has solved the problem of how to fill the churches. He is the Rev. Clarence May, who is one of the few London parsons who fills his church on a Sunday. He is in charge of St. Peter's, Windmill Street, that quaint little church behind Piccadilly Circus, sandwiched in between two famous restaurants. Sufficient money, incidentally, has been offered for the purchase of the site on which the church stands to enable several churches to be built. He preached a little while ago on the subject of a play being performed in London, and invited an actress to his pulpit to discuss it. The church was full, chairs crowded the aisles, and crowds stood through the service. The preacher said that the theatre reflects and teaches life, and is something more than a vehicle of amusement. Without the theatre a good many of us would be emotionally dead, and the theatre is one of the great means of developing sympathy and purging the emotions by expressing them."

Then And Now.

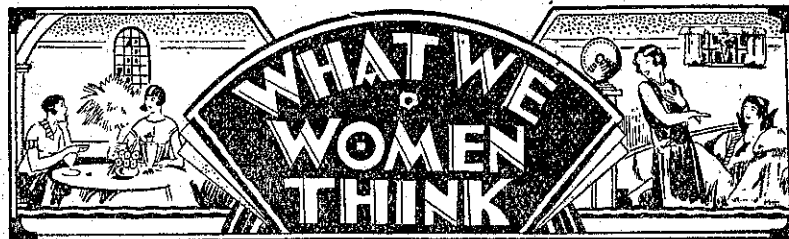
NOTHING could be more interesting to the student of house decoration than the experiment that the Hon. Angus Holden has made in a small house in Ebury Street; that of placing next door to each other, with a curtained archway between, a room furnished in the early Victorian manner and a completely modern room.

The Victorian room is the older idea of the two, for Mr. Holden has been an ardent collector of Victoriana ever since he was at Eton, and the wool-walk pictures and cushions, bead mats, silk flowers under glass, fire-screens, and antimacassars have been picked up all over Europe.

Behind the sofa, covered in glazed chintz and provided with Berlin wool-work cushions worked by Mr. Holden, is the statesman's corner. Here, on a superb bead mat, stand Gladstone, Peel, and Disraeli. Among the gems of Victoriana in this room are a silver box given by Queen Victoria to John Brown, her Highland ghillie, two pictures of poodles made of kid and white plush, a lamp shade adorned with real pressed flowers and a lace fringe, and a collection of mother of pearl objects, including a bouquet holder and a brooch in the shape of a lady's hand.

The only "rapport" with the modern room next door is a bunch of purple "everlastings" which are sometimes transported to 1930, and sometimes put back to 1860. Battleship grey are the walls and ceiling of the modern room, with shining chromium-plated divans and a sofa covered in black hide of the kind used in motor-car upholstery.

Mr. Holden himself designed the black bookcase, which is "stepped," and the aluminium fireplace for the electric fire. The curtains are an artistic de-



sign in black, grey and pale green silk—a waste product utilised by a Continental factory—and there are silver glass tulips in a silver glass bowl on the aluminium mantelpiece.

Limitations

You ask me for a Poem—a thing impassioned

With fiery eloquence, supreme, earth-free—

Mine but to give a modest rhyme, ill-fashioned,

That whispers shy of bird and flower and tree.

You ask me for a Song, high-heaven resounding—

A rhapsody with grand, majestic theme—

I can but sing, with muted voice soft-sounding,

A little song of gladness, a trivial thing of dreams.

You ask me for a Love sublime, celestial—

Libation fit for gods—I only had A humble human love—earth-bound, terrestrial—

To give to you, to try to make you glad.

—W. H. McK.

Plain glass shelves run along the walls at a convenient height for cigarette boxes and ash trays, and lighting is provided by a clouded crystal "egg" on a glass stand, and a flood light arranged in one corner.

A Fail-me-never.

ONE of the most unexpected fashion revivals is that of the elaborate evening blouse which was worn in the early years of the present century. In its latest and smartest guise it makes its appearance among the new dinner gown modes in lame worn over a skirt of black crepe-de-chine. The coloured blouse with black skirt vogue flourished some twenty years ago. Once again fashion repeats itself!

A Homely Touch.

CABBAGE has been raised to the rank of a dinner party vegetable, and ways of serving it are discussed. It is selling better than any other vegetable. Women are thinking so much about careful buying that it is little wonder that it should have become a dinner-table topic. They have discovered that it costs less to give a dinner party to-day than it did twelve months ago, and that they can best reap the advantage of the lower prices by entertaining at home. In the home atmosphere the art of conversation is bound to flourish, and the new trend will have the effect of making women

display their homes to the best advantage.

Curlylocks.

SPORTSWOMEN of every kind are quite the most important and carefully considered clients in the salons of hair specialists during the holiday months. For the first time different styles of waving and curling the hair suitable for the exigencies of different sports have been devised. One of the most popular of these is the Californian curl, which consists of very tight curls all over the head, which can be combed out after the bath to get rid of the stickiness of the sea-water, after which they curl back again. The woman tennis player has, at Wimbledon, mastered the art of a neat coiffure, but a bandeau is very destructive to the usual permanent wave, which is set closely across the top and sides of the head. A special wave has been arranged for tennis players which is broad and flat over the whole of the top of the head, where the bandeau or eye-shade fastens, and then little curls appear just above the ear. In this, too, the hair is taken well off the forehead so as not to fall into the eyes.

The Divine Bernhardt.

"SHE looked paintable though no one could paint her. Beauty with her was a garment which she could put on as often as she pleased. When she let it fall from her shoulders she was a small woman with very delicate features, thin lips, a small, beautifully-modelled nose, hooded eyes of a grey-green shadowed by a fleece of red-gold hair, strong, slender hands, and a manner full of nervous energy. But when she would appear beautiful, none of these details were to be perceived; her face became a lamp, through which glowed pale light, her hair burned like an aureole; she grew tall and stately; it was transfiguration."—Graham Robertson.

Not Too Slim.

ALL very well to be slim and swaying as a willow-wand, but no one wants to be scraggy. The woman who wishes to put on weight should drink at least two pints of milk every day. Cream should be taken with all sweets and puddings if possible. Soups, butter, eggs, milk puddings, boiled rice, beef, mutton and poultry are all permissible, while of the fruits bananas and apples are the most beneficial. A little pure olive oil taken after meals will be helpful; it may be taken in capsule form if desired. All kinds of vinegar and pickles are best avoided. Persevere with this regime for a few weeks; and you will soon notice the difference it makes in your complexion. Blisters and pimples disappear, and all the unsightly angles that made you envy your plump sisters will have filled out into more becoming curves.

Modish.

THERE is a good deal of brightly-coloured gipsy embroidery to be seen on the new afternoon frocks. Sleeves show smart puffs and frills or else appear as an upper and a lower sleeve, in contrasting colours. Leg-of-mutton sleeves appear in many of the new outfits and also in the evening coats, most of which are full or three-quarter length.

Home Made "Brew"

LAST week we published several recipes for home brew, and in response to requests are including a few more this week. All have been tried and can be recommended.

Ginger Beer

Ingredients: 5 quarts of boiling water, 1½ lb. of sugar, 1 oz. of whole ginger (bruised), 2 lemons, ¼ of an ounce of cream of tartar, 1 good tablespoon of brewer's yeast.

Method: Remove rind of lemons as thinly as possible, remove white pith, cut lemons into thin slices, removing pips. Put sliced lemon into earthenware bowl with the sugar, ginger and cream of tartar, and pour in the boiling water. Allow to stand until lukewarm, then stir in yeast and let bowl remain in moderately warm place for 24 hours. Skim top, strain ginger-beer from the sediment, bottle and cork securely. Ready for use in two days.

Home-Brew

Ingredients: 5oz. hops, 8 gallons water, 2½ lb. brown sugar, 3 or 4 table-spoonfuls yeast.

Method: Boil hops and water together for 45 minutes, add sugar, and when dissolved, strain into a bowl or tub. As soon as it is lukewarm add

yeast, let it work for 48 hours, skim well, and strain into bottles. Cork securely, and let remain for a few days before using.

Chili Beer

Twenty-four chillies, two quarts water; boil 25 minutes. Put 1½ lb. sugar into large saucepan, pour boiling water over it, add 3 quarts cold water, a wine-glass of cream of tartar, 4 teaspoons essence of lemon, two table-spoons of yeast, or one table-spoon of compressed yeast. Bottle while warm, and cork tightly.

Cider Cup

Ingredients: 1 bottle of cider, 1 bottle of soda-water, 1 liqueur glass of brandy, a few thin strips of cucumber-rind and lemon-rind, a dessert-spoonful of lemon juice, sugar to taste.

Method: Surround the cider and soda-water with rough ice, and let cool for ½ hour. Put brandy, cucumber and lemon-rind, lemon juice and sugar into a large jug, add the iced cider and soda water, and serve.

... With ... BOOK and VERSE

By "John O'Dreams"

Jottings

"I AM glad to know," writes Sir Sidney Low in an English paper, "that the British War Graves Commission is taking over the charge of the German tombs in the cemetery at Mons. It is a strangely affecting place, that burial ground of St. Symphorien on the slopes east of the little Belgian town where the greatest of all the world's wars began, and ended. I visited it not so long ago on a cloudy and rainy anniversary of Armistice Day. On the slippery paths and hillocks I stumbled among graves."

"I noted the obelisk which the German had erected to the memory of 'The German and British Heroes.' That was a magnificent gesture, and it is now fitly acknowledged by the arrangement under which our War Graves Commission will take charge of all the graves in the cemetery, and will see that those of our gallant enemies shall be as well cared for as our own are all along the old fighting front."

"I was shown the spot where the first Briton fell in the campaign, and where the last shots were fired four years and three months later. Some of the men pointed out to me the sloping field where they lay among the standing corn on that bright Sunday morning, hearing the church bells chiming in the town below, and waiting for the field-grey line to come over the ridge. There was not much time for praying when the rifle-blast flamed out a few minutes later."

A BOOK recently published, of the genus thriller, will commend itself to unnumbered readers of detective novels. It is an omnibus volume of stories of crime, selected by twenty-two authors as the individual best effort of each in the particular field presented. In "My Best Detective Story" are represented varying and highly intriguing examples of the work of Father Ronald Knox, Ian Hay, H. C. Bailey, Agatha Christie, Mrs. Belloc Lowndes, Chesterton, Belloc, and the rest of the detectable little list of purveyors of thrilling fiction. Truly a book to be sought for those who like this type of tale, and they total a large percentage of the population.

IN "Small Town," by Miss Bradda Field, the story is laid in a little town in Ontario, where a picturesque tale unfolds itself in leisurely fashion which arrests attention by reason of an atmosphere of elusive romance. This story of the girl Anne who, after many fluctuations and strivings of the spirit, forsakes the conventional path to live with the lover whose wife she can never be, is treated with delicacy and restraint, and bears the precious stamp of sincerity.

Our Fortnightly Book Review

GREEN MEMORY

By M. Barnard Eldershaw

BEARING in mind the high attainment of that epical tale of our sister Dominion, "A House is Built," by two talented young collaborators who write under the embracing cognomen of M. Barnard Eldershaw, another novel by this clever combination was awaited with interest. "Green Memory" will not disappoint. In some respects it is an advance on its predecessor, which, in spite of emotional interest and panoramic portrayal of colonial life, was somewhat over-meticulous in detail.

The new story chronicles the fortunes and misfortunes of an Australian family in the middle of last century. "Green Memory" concerns the Havens, who at the beginning of the book are prosperous and influential, moving as they do in what in those departed days was considered highly desirable society at Darling Point, which judged that money made from groceries was as bad, if not worse, than tainted. We become acquainted with each member of the family, from the pretty, somewhat foolish mother, entirely under the dominion of the debonaire head of the house, down to twelve-year-old dreamer, whose portrait is etched with subtlety and imaginative understanding of the heart of a child.

Disaster and dishonour crash upon the family, and the father—handsome, delightful, beloved—drops from lordly pedestal, and, seeking the easiest way out, ends his life with a pistol-shot. The rest of the book is largely a study of the reactions of his children to the changed conditions of their lives. Shabby gentility, lack of social amenities, dull and dreary economies are forced upon them, after removal from the flower-embowered home, when "they faced half-packed cases in dismantled rooms, dignified articles of furniture found themselves abandoned in grotesque attitudes, and the accretions of a lifetime of cultured acquisitiveness stood ticketed on shelves."

Charlotte, sweet and eighteen, marries "into trade" not entirely successfully, for the dead father's snobbish standards are curiously persistent; and the eldest of the family, the lovely Lucy, in determined pride, takes up the reins of management in the dingy home, refusing, in aloof defiance, to respond to the devotion of gallant Richard Temple, to whom she had been on the verge of betrothal when family ship of fortune foundered. Eventually the hard lesson is learned, and rather late in the day Lucy turns again to her persistent wooer, whom, one feels, she rather deserved to lose for sacrificing him on altar of indomitable independence and limitless capacity for self-immolation.

Much understanding is revealed of humanity's rank and file, and flickering through the pages are refreshing touches of humour, a little reminiscent in quality of that of a great woman novelist who also hid identity under masculine masquerade. For example: "The Lord in His thoughtfulness has provided a special class of people to be first arrivals at parties, and of these Mrs. Maxfield and her daughter were shining examples. It was said of them that they were born to be relations, and they arrived early at every function, from a deep-seated instinct to cement the family solidarity before the approach of visitors."

Throughout we are conscious of conditions, social and physical, of a land where the sky was like clear water, gardens lay enchanted in aqueous light, and friezes of lemon gums, strong and delicate, moved their fine leaves in inaudible rhythm against a changing sky.

Again: "Sydney, like Adam, had no childhood. Its beginnings were mean and sordid, and the continent offered no resistance to its invaders, who on the foreshores of the loveliest harbour in the world, scattered names giving the measure of their imagination. A rocky islet crowned with trees is Goat Island; a headland running out into still water is Long Nose Point; a group of rocks is the Bottle and Glass, another the Sow and Pigs."

And who will fail to recognise the fidelity of description, of Paddy's Market, which "came out in a strong breath of earthy and human smells, while thrifty housewives with lean purses and many babies, pinched dressed poultry and haggled for cheap vegetables; men heated saveloys and green peas in portable cans over a little furnace; bunches of zinnias and asters and little hard chrysanthemums waited in tins; trotters and sausages lay

LOVERS of verse will look eagerly for a small book of verse by Miss V. Sackville-West, entitled "Sissinghurst," which is in the main inspired by the emotions aroused in the gifted writer by the age-old beauties of the English countryside. Miss Sackville-West wields a graceful and poetic pen, as those who read her recently-published "All Passion Spent" do not need to be assured.

IT certainly is a far cry from the Sussex coast of Miss Sheila Kaye-Smith to that of the somewhat over-sentimental tale by Miss Irene Stiles, entitled "Seventeen Summers." Nevertheless this slight story of youth, its setting the Sussex Downs, is attractive in its gentle fashion, and will find many admirers among those whose fancy still turns to an innocuous narrative that can, without misgiving, be placed in the hands of sweet seventeen's grandmother.

"WHEN Churchyards Yawn" lives up to its title. It is a collection, gruesome indeed, by Lady Cynthia Asquith, who has chosen ghost stories of the occult and the macabre by such artists in this genre as Mr. Oliver Onions, Mr. Hugh Walpole and Mr. Arthur Machen. Mr. Blackwood is also represented, and there is a tale of a scholarly Frenchman who returns to earth, written in Mr. William Gerhard's best manner. 'Tis a creepy collection, and one calculated to be read at midnight with bated breath even by the most prosaic novel reader, and hasten the beat of the stoutest heart.

MR. C. J. S. THOMPSON, author of "Poison and Poisoners," is Curator of the Historical Section of the Museum of the Royal College of Surgeons, and in that capacity has access to a wealth of data of which he has availed himself in the fullest measure in the book under review. Through past history, modern and mediaeval, poison has played its part, and the interest it excites in the human intelligence is unabated in modern times. In these vividly-told narrations of great historical poisoners and their exploits, the attention is enchaind by these over true tales of such human monsters as Nero and Laetitia, Cesare Borgia, La Voisin, and Madame de Brinvilliers.

grey and lifeless on boards; voices of showmen contended with roar of crowd, and a raucous voice near the entrance preached hell and repentance."

Not altogether for the story, though that is a good one; but perhaps primarily for the descriptions of Australia, its history and its people in years long past, will the book be read and read again.

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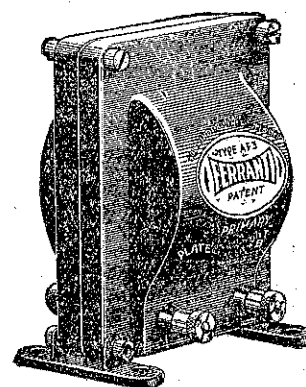
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