

PUBLISHED WEEKLY

THE RADIO RECORD

AND

HOME JOURNAL

Vol. V., No. 24.

WELLINGTON, THURSDAY, DECEMBER 24, 1931.

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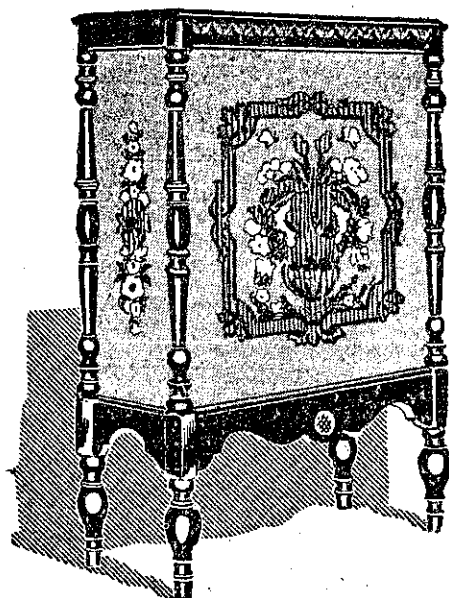
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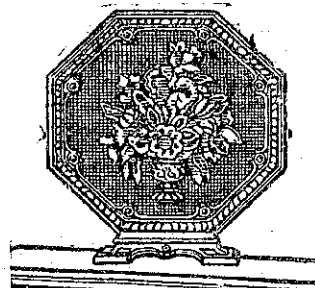
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THE B.B.C. should be the "E.B.C.," writes Mr. J. H. Thomas, Secretary of State for Dominion Affairs, in the Christmas number of the "Radio Times." He hopes that next year the Empire will share in the pleasure of listening to programmes relayed imperially under the coming Empire short-wave scheme.



ONE exhibit which attracted much attention at the Faraday Exhibition, held recently at the Albert Hall in London, was a transmitting valve 10 feet high. It was constructed by one of Britain's leading radio and electrical manufacturing companies at a cost of over £1000, and is reported to be the largest valve ever made. It uses a filament current of about 5000 times that taken by an ordinary broadcast receiving valve, and when installed at Rugby, as is intended in the near future, will replace a bank of 50 high-power transmitting valves.

THE B.B.C.'s music library at Savoy Hill contains 40,000 vocal scores and more than 10,000 complete orchestral scores. The military band section of the library holds about 2000 complete works, while Jack Payne, whose dance band is famous the world over, has his own little library containing about 3500 complete orchestrations of dance tunes.

FOLLOWING an exhaustive series of tests in Italian cities, the engineers discovered that the main cause of interference with the broadcast reception was due to the electric signals given by tram conductors to their drivers.

STATIC, the problem of radio engineers for years, appears to have been vanquished in code and radio printing machine work at least, through the system evolved by a young Canadian engineer. Its possibilities from the broadcast standpoint have not as yet been fully developed, but give great promise. Essentially, the system consists in the transmission of a carrier wave, on which are superimposed two other frequencies, such, for instance, as one of 3000 cycles and one of 5200. These result in a common note, or heterodyne, made when the telegraph key is depressed. When the signal is received at the other end, the detector output is divided and sent through two filters, one passing 3000 cycles and the other 5200 only. At the filter output is a valve arrangement that will pass on only those impulses that are perfectly matched in both sides of the filter. If static tries to come through, it will be stronger on one side or the other and so cannot pass, and reception will be free from static disturbances.

IT is expected that a radio-telephone service will be in operation between Paris and Algeria by the end of the year. At both Paris and Algiers there will be two transmitting sets capable of allowing four conversations and two telegraph messages to be transmitted simultaneously during 10 hours of the day. During seven hours the line will be available for two telephone and one telegraph message, the remaining hour of the 24 being devoted to testing and the adjustment of the apparatus.

FOR the purpose of broadcasting S O S signals in the Alps, should an emergency arise, the Austrian authorities are equipping all refuge huts with automatic wireless apparatus of a portable type. By this means, in the event of a mishap to tourists in these mountainous districts, a call for help can be transmitted by any member of the party capable of reaching one of the huts. No expert knowledge is needed to handle the special type of transmitter.

A RADIO-EQUIPPED motor-cycle, intended for use as an auxiliary to the similarly but more powerfully equipped police automobile, has recently been developed in America. The motor-cycle is faster and more economical to operate than a car, and when provided with means of establishing instantaneous contact with a central sending station, its usefulness in thwarting crime is further increased. The receiving set is carried in a side-car, along with batteries. A short mast, mounted on the car, carries the aerial, and an air-column speaker is fastened to the frame of the machine, the horn opening being in front of the driver. Even at high speeds the radio has been found to function satisfactorily.

AT a meeting in the United States of the Newspaper Radio Editors' Association, it was declared that the American broadcasting system was preferable to the British in that "a greater variety of more high-grade programmes was being offered to American listeners at no expense to themselves, whereas the British listener had to pay a tax of two and a half dollars per annum on his receiver." The meeting did not favour any suggestion of legislating against broadcast advertising, believing that "the industry is capable of keeping its own house in order and that the public's reaction to the methods pursued would tend steadily to improve the tone of that form of publicity."

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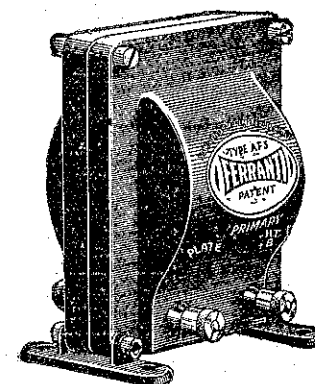
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My Impressions of the Greatest Broadcasting System in the World

...The B.B.C. ...

By DOUGLAS STARK

Mr. Douglas Stark, well known in musical circles in Wellington and to 2YA listeners, has recently returned from an eighteen-months' tour of England and the States. In this interview with the "Record" he throws some interesting light on the workings of that gigantic and efficient organisation, the B.B.C., of which he made a special study.



DOUGLAS STARK,
2YA Scottish Comedian.

THE B.B.C. with its vast resources and its highly-qualified and organised staff is, without question, one of the most solid organisations of the world. Imagine many hundreds of people engaged in the production and broadcasting of one or at the most two programmes a day and you have the B.B.C. They want a talk on "Russia" and they want it authentic and unconventional—they approach Bernard Shaw and ask his price—it might be £50 for 15 minutes, but they pay it without question. They get that talk long before it is broadcast—go through it, discuss points with its author if necessary, and finally pass it for broadcasting.

They are going to relay a concert from the Queen's Hall. Days ahead the orchestral score is submitted to headquarters where it is studied by the engineers and sound experts. The placing of the orchestra for effect and the microphones for balance is carefully worked out. The orchestra and engineers assemble long before the performance is to take place and rehearse the programme. Back at the transmitting station, the outputs of the many microphones are balanced up by musicians and engineers, and the final monitoring is performed by a musician who follows the music as he monitors.

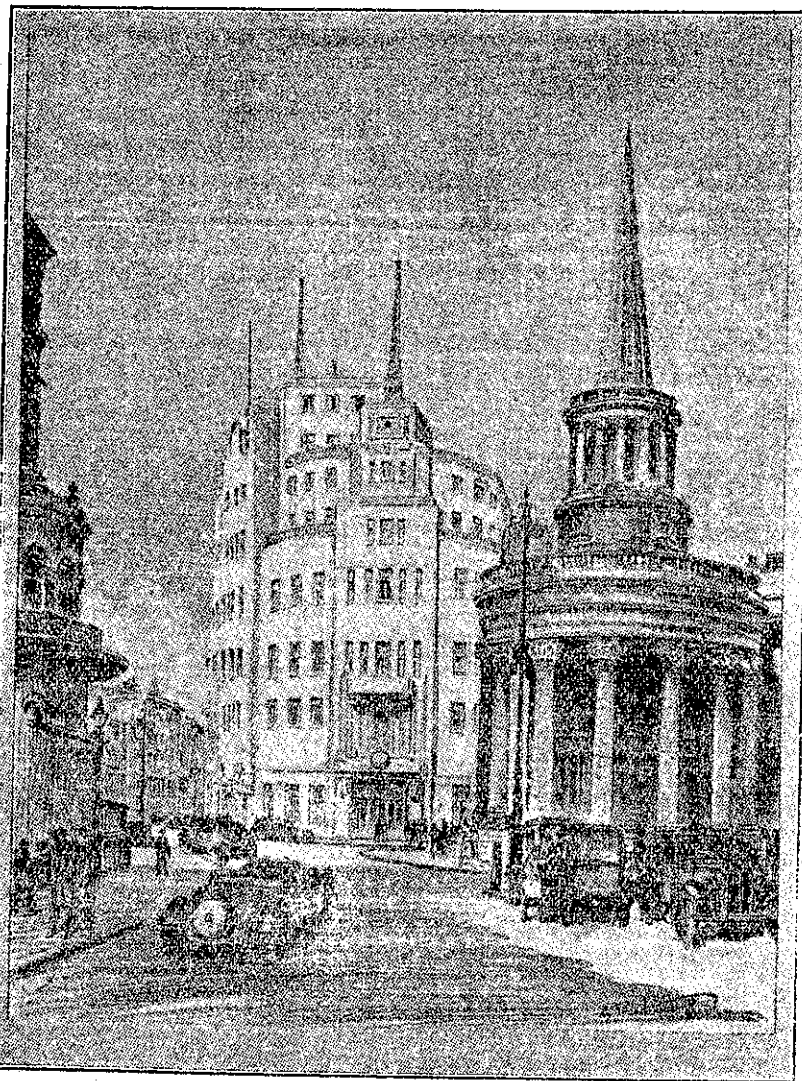
Then there is the elaborate organisation and huge staff engaged in the compilation of the programmes. There is not one person or two in this department but dozens. Each one has his particular field to cover. The chief organiser drafts his programme, indicating roughly the balance of, say, orchestral, vaudeville, talks and dance music. He then makes the request that each man in charge of these departments make up a programme. To advise them are the specialist committees, so you can see that there is not much left

to chance in the B.B.C.

It was my intention to visit America only when I left here, but owing to the set of my fortunes I worked my passage to England, there to become intimately associated with the B.B.C. They knew I was interested in broadcasting and did all they could to let me see how the organisation functioned. It was some months before I completely traversed all its ramifications. It was only when I arrived back in New Zealand that I realised that the knowledge I had gained may be of some practical value, for I did not know of the changes in administration.

Whilst in America I investigated the systems there, and did a little broadcasting over chain stations. They, too, are skilfully organised, but I believe feeling is veering over to the B.B.C. method. But from the commercial point of view I think the Americans are more advanced. England and America both started off even, and though now from the co-operative and financial point of view the Americans are really ahead, the British system is fundamentally more sound. The active co-operation evident in America is natural as broadcasting there is run on strictly business lines with profit as the sole incentive. The end of last year one American network system revealed a profit of over a million, as against the B.B.C.'s half-million.

It is difficult to compare the quality of the programmes in the two countries. The American is altogether different temperamentally, and curiously enough he seems to accept the sponsored advertising system without protest. This is probably due to two main reasons. First, he has known no other system; and, secondly, advertising is with him a national weakness. With all his astuteness the average American is very gullible. Tell him about a thing often enough and he will buy it. The people out here and in England are much (Concluded on page 2.)



Specially drawn for "The Wireless World" by H.D. Andrews.

"BROADCASTING HOUSE," the new home of the B.B.C. In this glimpse from the northern end of Regent Street the artist provides a study in contrasts, the new and strange dominating the old and familiar.

The B.B.C.

(Continued from page 1.)

more level-headed.

Many talks are given in America, but they deal with lighter subjects than do those broadcast by the B.B.C., and are treated unconventionally. In this respect the basic differences between the two systems is well revealed. It has always been the B.B.C.'s policy to concentrate on the educational side of radio, but in America, the stations must sustain the interest of the greatest number of listeners for the largest amount of time.

Solid though it is, the B.B.C. has its enemies. One has only to read the daily papers and the correspondence columns of the wireless periodicals to appreciate this point. With all their resources the Corporation cannot please everyone. Perhaps the most serious series of attacks is being made by Captain Eckersley, formerly chief engineer of the B.B.C., now a consultant in chief of several radio publications, and a virile writer. He has an engagement with a certain paper to write an article regularly on broadcasting, and this more often than not is severely critical of the B.B.C.

One, I remember, was protesting against the practise of giving a short metronome signal during the tacets. This was to let people know that although they could hear nothing from their speakers, their receivers had not gone wrong. Eckersley remarked, "For God's sake, if we are going to have a silence, let's have a complete silence!" . . . Eckersley is a good engineer. . . .

You know probably that the regional scheme is operative in the Old Country. Briefly this scheme—incidentally an idea of Eckersley's—is to provide the major portion of England, Scotland and the North of Ireland with alternative programmes. One or sometimes both originate from the London studios—at present Savoy Hill, which will be replaced by the Broadcasting House in the near future—and are relayed to all the small stations, who rebroadcast them. Usually one programme goes out over all the country, and this is known as the national programme, whilst the other, which sometimes originates from London, and sometimes from the local station itself, is known as the regional programme. In any case the regional programme is interrupted to give flashes of local news.

The idea is something akin to the American chain system, but it endea-

vours to give two alternative programmes. More often than not, however, the same programme is put on both waves. At other times a programme broadcast one night on the National channel, will be put over the regional the next night. This is often the case with specially good plays.

When this fact is borne in mind, the completeness of the organisation which produces the programme is all the more amazing.

Many departments are engaged. There are separate ones for drama, orchestra, review, vanderbilt, music, talks, both adult education and talks on topical themes, outside broadcasts, school broadcasts, children's hour, and many others. Programmes are first arranged by the different departments in collaboration, and submitted to one man who, if necessary, revises it, to give what he thinks the best balance. The rearranged programme is then passed on to the chief programme organiser for his approval. With him rests the final responsibility of the programme matter.

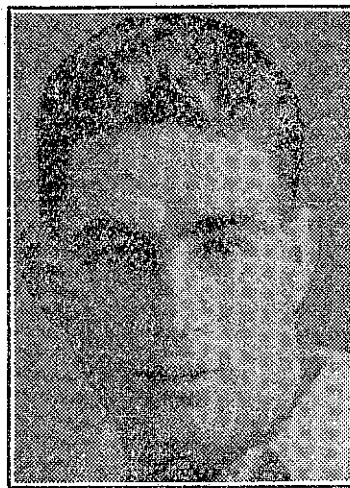
I can quite see the enormous difficulties under which any radio controlling authority in this country must work after seeing this huge organisation maintained by the B.B.C. to supply two programmes a day. In N.Z. twice this number of programmes have to be compiled by an organisation which, compared with the B.B.C., is minute.

One thing you do not have to worry over out here is the problem of copyright. An annual fee is paid to the Copyright Association, and there the matter ends. In England, however, a copyright department is maintained, and its officials are continually interviewing authors, composers, playwrights, etc., in an endeavour to solve copyright problems. And believe me, they present some problems, too. Many of the difficulties have been surmounted by having special works written for broadcasting. There are now a good many works specially written for the B.B.C., and I think if the N.Z.B.C. could get hold of some of these, which I am sure they could for a very reasonable sum, there would be provided a wealth of new matter for our radio artists to perform. Most of the works are performed once or twice, and then filed in comprehensive libraries.

Sometimes the microphone itself is taken to the scene of the relay. Many popular outside relays are and at others a portable transmitter is used to broadcast the descriptions on short-wave from where they are picked up by the main stations and rebroadcast. Outside broadcasting is an art

in itself, and in England has been very highly developed.

A big wireless van with all necessary equipment is maintained. I had arranged to accompany the engineers on one of their trips, but unfortunately it rained, and the broadcast was off.



.. CRICKET ..

C. S. Dempster

—a member of the N.Z. cricket team which toured England—will talk from 2YA on

Saturday, January 2,
at 7 p.m., on

THE FIRST TEST

In England there are no bans on the broadcasting of any form of sport, probably because the B.B.C. is such a big organisation that it can afford to pay for any such privileges.

The Orchestra.

THE B.B.C. orchestra is an example of how far the organisation can go in creating its own combinations. This is now one of the first orchestras in the world, for it ranks with the Philadelphia Symphony Orchestra and the Berlin State Orchestra. Playing under the distinguished baton of Sir Henry Wood, the orchestra is a brilliant combination of 180 performers. Every player is engaged on full time, and when it is realised that the smallest salary is over £10 a week, some idea of the quality of the artists can be gauged. A large portion of this outlay is returned from public performances, for the orchestra is regularly engaged at concerts which are usually broadcast. Incidentally, too, the combination does a fair amount of recording.

Out of season the orchestra is subdivided into groups for specific purposes.

There may be Orchestra A, a group of 80 instrumentalists, who broadcast symphony works and the like, Orchestra B, 50 artists, who play lighter works of the Strauss type, and Orchestra C and D, each of 35 players, who do even lighter works, but not dance numbers, for this is left to a special orchestra which, like the main orchestra, is one of the best known in the world. Playing under the conductorship of Jack Payne, the combination is heard regularly in the best dance halls in London, from whence relays to the broadcast station take place. Exactly the same care is taken of these relays as of those from the Queen's Hall, and it is this meticulous care which makes the British broadcasting what it is.

I think as far as New Zealand is concerned, the adoption of the B.B.C. principle is a good thing. Radio will advance more rapidly because we will have their vast experience to work on. Radio must progress—at present it is only in the toddling stage, and it is up to us to help it toward an early maturity. One advantage the B.B.C. possesses is that, because they have the money, they can afford to secure the services of the best brains in England.

But we are, I feel, on the right track, and we can anticipate that within a few years New Zealand broadcasting will be a B.B.C. in miniature.

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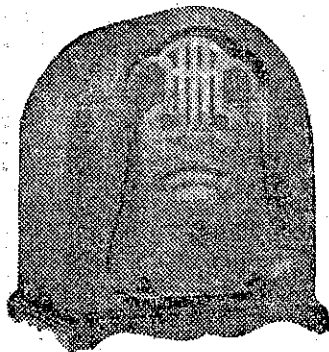
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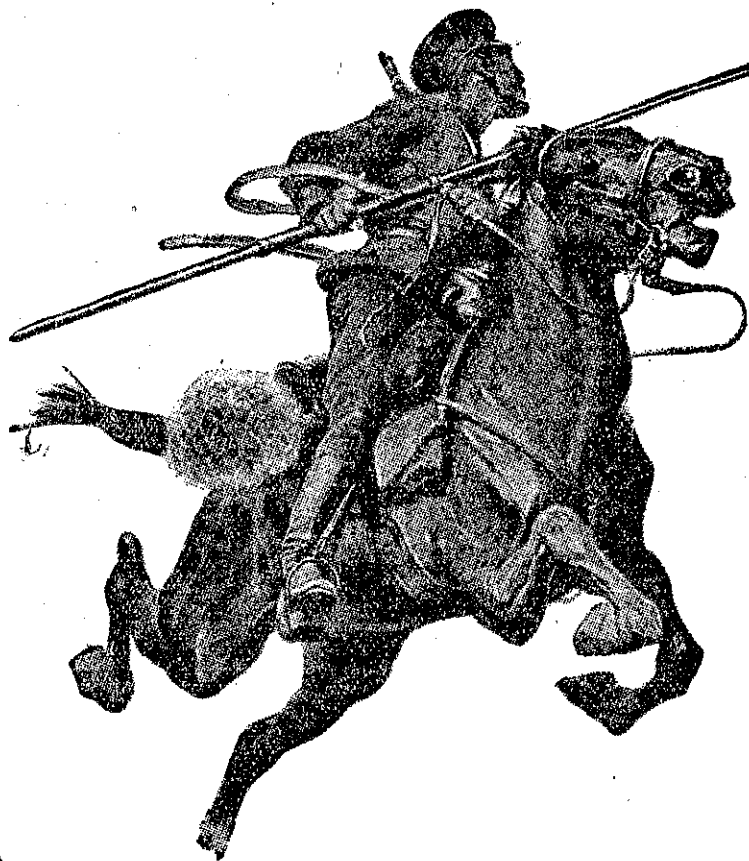
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The Collapse of the Russian Empire

Told by ex-
Major-General B. S. Merlin

What should prove to be one of the most interesting series of talks yet broadcast in New Zealand will be commenced at 2YA on January 2, when Mr. B. S. Merlin, ex-Major-General in the Russian Imperial Forces, will relate the first of his experiences during the collapse of the Russian Empire and the dissolution of the army.



FLEEING disguised as a bugler from

the seat of war waged by one of Russia's noblest divisions of horse which he had commanded; recognised by a Soviet; captured; thrown into a dingy prison; brought before a military tribunal on which were sitting as his judges employees from a steel factory; long harangues with an unsympathetic president and final acquittal and escape—these are but flashes of the poignant and thrilling story that Major-General B. S. Merlin will relate during a series of six talks from 2YA.

Now Mr. B. S. Merlin, statistical clerk and interpreter in the Post and Telegraph Department, the former major-general belongs to one of the oldest and proudest families of Russia's landed aristocracy. But with the coming of Sovietism has gone all the glory and power of the old regime. They are memories only—but glorious memories, and though far greater than territorial boundaries separate him from his beloved Russia, the General is still at heart a Russian—a Russian of a Russia that has gone.

Once the ruler of a beautiful palace standing in 400 acres of parks and gardens and surrounded by an estate of four and a half thousand acres, Mr. Merlin and his wife now occupy a comfortable little flat in Oriental Bay. It is just above the tram terminus and from its veranda one looks out over the city, the shipping and the harbour. It is a beautiful spot, quiet and restful, and here the General has chosen to make his home and to preserve what is possible of the world that was once his.

It was in the early evening that the writer met for the first time one who was so distinguished, so interesting and so friendly. He told me briefly of his career and in more detail the chain of events that had brought him from the head of one of Russia's proudest cavalry divisions and one of the finest country seats, to the New Zealand Public Service and a flat in Oriental Bay—but there was not one word of remorse or criticism. My host not even expressed a wish that things should be otherwise, yet when, as I was leaving, we stood on his porch and, looking over the twinkling lights of the city, conversed

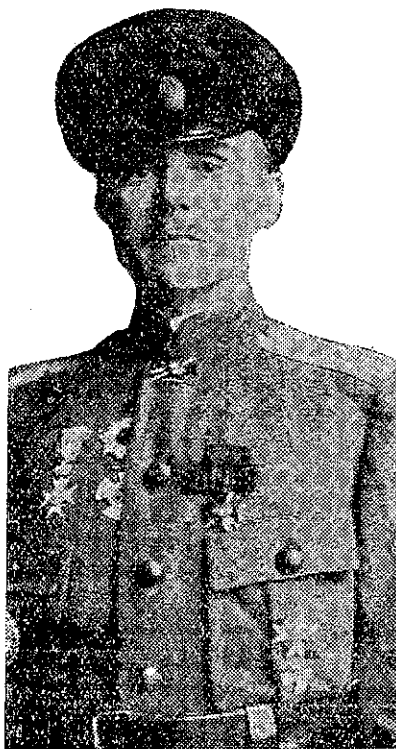
briefly on the beauties of Wellington by night I became conscious of a feeling of regret that the tide of change should work so drastically and ruthlessly.

Major-General Merlin was educated at the Corps of Pages of his Imperial Majesty the Tsar, and eventually became a page of her Majesty the Tsarina. At the age of 20 he received a lieutenancy in the Dragoon Guards attached to the Court.

THIS was the commencement of a distinguished military career which took him to the Russo-Japanese War, to the Russian legation at Tokio, to the intelligence service for South-Eastern Europe (of which he was in charge) to the command of a crack brigade selected to go to France (which, however, did not go), and ultimately as a major-general to the head of a cavalry division.

"We were fighting on the South-Eastern Front when the revolution broke out," Mr. Merlin told me. "My division were not revolutionaries but they were tired of war—they wanted to go home and get away from it all. A handful of Bolsheviks came by train—we could have annihilated them, but it was no use. The seeds of discontent had been spread, and I realised that I must flee. My wife had gone to Odessa, taking with her a few of the family treasures, and I endeavoured to reach her. After wandering about the country, now in hiding, now pursued, always like a hunted animal, I assumed the disguise of a bugler and attempted to get away by train. I was recognised, arrested, thrown into prison and finally brought before a military court.

"The trial was long and difficult. It seemed that there was but little hope of my ever escaping from the clutches of the Soviet. They were charging me with being a spy for, of course, when apprehended I was not wearing the uniform of my rank. But I was at length acquitted and allowed to join my wife. We made our way to (Concluded on page 5.)



—S. P. Andrew photo.
Major-General B. S. Merlin,
Whose series of talks on his miraculous escape from Soviet Russia, commences on January 2.

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, THURSDAY, DECEMBER 24, 1931.

THE RADIO BOARD.

AT long last the personnel of the Radio Board has been announced by the Postmaster-General, the Hon. A. Hamilton. The Board is to consist of Mr. H. D. Vickery, public accountant, Wellington (chairman), Mr. G. R. Hutchinson, company director, of Auckland, and Mr. L. R. C. Macfarlane, farmer, of Culverden. It will be seen that territorial considerations have been given due weight in arriving at the constitution of the Board. The capital city has been given the chairman; Auckland, with its weight of population in the northern part of the island, has been given a representative; South Island interests will be watched by Mr. Macfarlane.

THE delay that has beset the appointment has been unfortunate from many points of view. The legislation was passed early in November, and had immediate action then been taken it would not have been too soon to permit the Board to investigate the situation to some extent and have a measure of organisation in hand for taking over the service as from January 1. As things have developed, however, one delay after another occurred through pressure of more important national affairs, and the appointment within a fortnight of the end of the year leaves the Board an impossible task in formulating material plans in anticipation of the change over. From the Board's own point of view, possibly this will be somewhat of an advantage, as listeners will be aware from the outset that no dramatic or spectacular change can well be expected. The Board will obviously require a period for the close and considered investigation of the whole service before embarking upon a reorganisation.

IT is of moment to inquire what are the major problems with which the Board will immediately be confronted? Initially it is to be noted that the Board is entrusted with the whole broadcasting service in the Dominion. That creates a different position from anything that has obtained in the past, in that the Board, in addition to administering the YA stations, is required to formulate a policy for the control of the "B" class

stations. This creates an interesting situation, and one which will cause much interest to be focused upon the Board until its policy is formulated.

THE major problems awaiting the Board may perhaps be roughly classified as falling into three phases. First, there is the question of expanding the service. This involves decision as to whether new stations will be erected in provincial centres, either linking with the main centres or working independently of them. Related to that problem is the question of whether those stations will co-operate with or supplant existing "B" class stations, and whether those "B" class stations will be restricted; developed or eliminated. Of those stations there are now some 30. Some give excellent service, using fine equipment to do so. Others are not so well equipped or organised. That problem is one which in itself will involve a great deal of investigation, backed by technical experience and guidance.

THE second major problem may be cited as the programme service itself—whether that is to be extended in the matter of hours and improved in relation to quality. The question of finance will be important here. Listeners have been led to expect an improvement in the quality of the programmes. We trust that that will prove possible, but frankly, except possibly in minor matters, we will be surprised if over a period a really noticeable improvement in quality of the programmes as provided by the talent available in the Dominion can be shown and maintained. It might be possible for the Board to show enterprise by importing artists from abroad, or with the aggressive development of an Empire broadcasting service, as foreshadowed from Britain, there may be an opening for advantageous co-operation with the B.B.C., and the use of programmes either relayed from Britain or recorded and reproduced within the Dominion.

THE questions of expanding the service and improving the programmes are closely involved with finance. At the present time there are some 70,000 listeners yielding a gross revenue of £100,000. The ideal is entertained of reaching within the near future no fewer than 100,000 listeners. In providing the service to reach new centres of population effectively, regard must be had to finance that it be not strained, or that appropriation in capital expenditure does not unduly cripple current allocations for programmes.

IN the third field of problems awaiting the Board are such matters as patents, copyrights, and the current ostensible ban upon the use of gramophone records. This last still awaits determination, and obviously, in view of the notice given, the gramophone companies and the Board must shortly enter upon a parley in the effort to reach an agreement satisfactory to both sides. Certain agreements in relation to patents upon which royalty is paid also, it is understood, expire in the relatively near future, and problems may arise there requiring the close consideration of the Board.

FROM the foregoing brief summary of the problems awaiting the Board, it will be seen that their task is to be no sinecure. High regard for the capacity of the personnel of the Board—particularly that of the chairman—is warranted on the records of past service. On behalf of listeners it can be stated that they enter upon office with the greatest of goodwill from the whole body of listeners, and with high expectations of satisfactory service being rendered. It is realised that time will be required for investigation, clarification of ideas, and the formulation of a constructive policy that can be sustained over a period to show steadily cumulative benefits to all. The fact that the economic position is not at the moment flourishing does not directly affect the Board, in that it still has a satisfactory assured revenue. Nevertheless its measures must have due regard to the economic position because the increase in new listeners that would have been expected from progressive enterprise in normal times might not be attained. 1932 bids fair to be a memorable year in many ways. We trust that from the radio point of view it will mark the inception of a new era in broadcasting which will give satisfaction to the greatest possible number.

RADIO GOODS *What to Buy and Where*

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Why?

"Kirk o' Field"

(By "Fidius Dlus.")

AN answer to those critics who state that there is no local talent available suitable for broadcasting was given on Wednesday night last, when the radio play, "Kirk o' Field," was presented from station 1YA. Listeners received a great treat, and "Kirk o' Field" is, undoubtedly, the most successful broadcast of its kind that has yet been given from any New Zealand radio station. From beginning to end the rendition held listeners spellbound, and proves conclusively that we have broadcast artists in New Zealand equal to those who can be found anywhere. The majority of the artists who took part in the play have outstanding oratorical and dramatic ability, and great credit is due to Mr. J. M. Clark, the producer of the play, in choosing his cast, for each artist was eminently suited for the character represented.

Miss Althea Parker, who took the part of Mary Queen of Scots, was the mainstay of the piece. Her part was an exceedingly heavy one, and her splendid contralto voice fitted the play exactly. This lady would have been even more successful if she had imparted a little more light and shade into her delivery. The microphone had a tendency to harden the higher range of Miss Parker's voice, causing a harshness which I think could have been obviated if the artist had used more modulation. The versatility of Mr. L. Barnes, the station director at 1YA, was exemplified by his characterisation of Lord Darnley, consort to Queen Mary. Mr. Barnes improved as the play went on, and he was at his best in the bedroom scene at Kirk o' Field. The climax at the end of this act was an oratorical gem, and Mr. Barnes is to be congratulated. The character of Lord Ruthven, a dour, fearless and determined Scottish noble, was ably portrayed by Mr. Forbes Eadie (better known to listeners at 1YA as "Lee Fore Brace"). His delightful Doric was superlative, and he is one of the few artists appearing at any radio station who can, as it were, impart a personality into the character he represents. This artist was outstanding in excellent company and will go very far in the radio world.

Miss Nevill as "Mary Beaton," gave a sweet rendering of her part, and left nothing to be desired. "David Rizzio" lived again when played by Mr. Brown Douglas, and this artist's ability to use his voice to fit the part was a feature of the play.

Mr. A. McSkimming did well as Lord Maitland. This gentleman has an excellent radio voice, but should cultivate greater range in his tones. The Rev. W. Jellie, who took the part of Sir Thomas Randolph is a finished speaker, his tones, modulations, and enunciation can be taken as a pattern for others to follow. Mr. Neville as the Earl of Morton, could have done much better by speaking slower. This gentleman has a good voice, but at

Collapse of Russian Empire 2YA Children's Session Notes

(Continued from page 3.)

Japan, afterwards coming south to the Dutch East Indies and from there to New Zealand."

Most of the family treasures were destroyed by looters, but out of the chaos a few oddments were saved, including a number of photographs which now are the sole relic of the life that was. They are groups, some going far back when the general was a youth in the Dragoons; others, personal pictures taken at various events scattered through the general's life; the royal pictures, so dear to the old regime; distinguished friends, including autographed photos of Sir Charles and Lady Alice Fergusson, who were intimate friends of the Merlins, and a beautiful print of the greatest of all generals, Napoleon, without which no soldier's study would be complete.

The general, who incidentally speaks a dozen languages, has an almost perfect control of English. He even writes the language, has had work published by a prominent magazine, and has written a novel. The series of talks comprising a continued account of his adventures with the Soviet, has been prepared for publication, but has so far not yet appeared.

Even now, when no longer head of a magnificent division of 12,000 horse, the general maintains that vigour and enthusiasm which won for him the approbation of the Royal Court of Russia and the love of his men. His work in the Post Office is hard and exacting, yet his day is not finished at half past four, and during the rest of his time he busies himself on his private typewriter or with other tasks that only a man of his ability and perseverance would undertake.

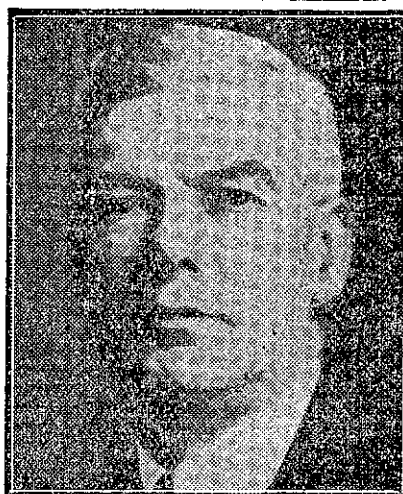
times was stilted in range. Inflection and deflection, even in conversation, are necessary in radio broadcasting. Of the minor parts that of the Earl of Bothwell was outstanding.

Mr. J. M. Clark, who took the part of the Earl is, perhaps, one of the finest elocutionists in the Dominion, and although his part was a small one, listeners appreciated his great ability.

I have heard all the radio plays given over the air which have emanated from the versatile brain of Dr. George de Olive Lowe, and I congratulate him on his masterpiece, "Kirk o' Field." It is, without doubt, the finest radio play that has yet been produced in the Dominion, and it is to be hoped that the new Broadcasting Board will take advantage of Dr. de Olive Lowe's artistry, and give us more of his radio plays. I would also suggest that the Royal Scottish Historical Society, under whose auspices "Kirk o' Field" was given, arrange to have it broadcasted from the other YA stations to give southern listeners the same treat as was given to those of us at Auckland.

Monday—Uncle Jeff and Kipling Lady have a lovely Scott-Gatty evening for you to-night. The little people who are going to perform are coming all the way in from the Upper Hutt with Miss May Walters, and they are bringing lots of riddles for Uncle Jeff to guess. There will be puzzles and stories, too.

Tuesday—We are to have the Maori Legend Lady and Jumbo in the studio to-night, and a charming little orchestral programme from a party of girls, under the leadership



MR. E. C. HANDS, Head of the telegraph division of the General Post Office, whose appointment as general manager to the New Zealand Broadcasting Board has been announced.

—S. P. Andrew photo.

of Prudence Lewis. There will be greetings, adventure, stories, riddles and fun.

Wednesday — The Ngalo "cheerful chirpers" are expected at 2YA this afternoon to help Aunt Daisy to give the radio family a happy hour. Birthday greetings and a story by Aunt Daisy as well.

Thursday: Uncle George and Big Brother Jack are going to take the little radio cousins over a newspaper office to see all the works and how the wheels go round. Uncle George has a little party of "Sunbeams," who have learnt some choruses to sing to you when they get back to the studio. There will be birthday greetings before you leave for the newspaper office.

Friday: Uncle Jim has received an invitation from the French Doll to bring all our little Radio cousins to have tea at the "Doll's House" this evening. All the Dollies have prepared a little concert for you and a special afternoon tea, as it is the Ginger Bread Doll's Birthday. Uncle Jim will send birthday greetings from there.

Saturday: It is "The Bruin Boys" turn to-night. They've been up to some fresh mischief that is certain; and as it is to be a special animal evening Spot is sure to be here with Uncle Jasper. Aunt Molly will also be here to send you birthday greetings and to meet all the animals from Noah's Ark.

Sunday: This evening the children's choir from St. Aiden's Sunday

Educational Broadcasting Stations

Maintained by American Colleges

FORTY-ONE institutions of higher learning in the United States maintain broadcasting stations as integral parts of the educational systems. Most of these stations came into existence when broadcasting was in its infancy. For instance, WSAJ (Grove City College) was started in 1913 for amateur receiving and transmitting experiments. Station WSUI (State University of Iowa) was the first broadcasting station west of the Mississippi. One of the pioneer stations in the East was WPSC (Pennsylvania State College), but it first came prominently before the public in May, 1924, by broadcasting the rattle of a rattlesnake. The snake later became known as "Radio Kelly." It now finds an honoured place, stuffed and labelled, among the exhibits in the Natural History Department of the College.

A recent survey of college wireless stations shows that their programmes vary from foreign language lessons to lectures on railroad extension; from public discussions on Einstein's Theory to the history of Persian rugs. There are also symphony concerts, stock exchange reports, news, and athletic broadcasts. Time "on the air" ranges from one hour per week in one instance, to 53½ hours in another.

The expense of running and maintaining stations is generally met by appropriations from State and Educational Extension Departments. Seven stations, however, have recently accepted sponsored programmes in an effort to extend the activities of the station.

School will be in the studio to sing, under the leadership of Mrs. Wahlers, and Uncle George will conduct the session.

RADIO COMPETITION No. 1

The promoters and adjudicators of Radio Competition No. 1 wish to advise that it will not be possible for them to make an announcement through this paper owing to the large number of people who tied in their attempts.

According to rules, it is therefore necessary for those people who tied to enter a further competition, for which there is no charge, and a circular will be sent direct. Anybody failing to receive a circular should communicate with the promoters

Results of the re-try competition will be published in this paper as advised in the circular.

RADIO COMPETITION NO. 1
Box 1582, Wellington.

HAVE you renewed your subscription to the—

"Radio Record and Home Journal"

12/6 in Advance.

Box 1082, Wellington.

"The Valve With the

TRAIL BLAZER OF



Life-like Tone."

THE INDUSTRY

Specially selected by
Manufacturers because

OBTAINABLE AT ALL GOOD RADIO DEALERS.

America's Leading Set
of their reliability.

The Radio Board

Appointment of Members

THE Personnel of the Radio Board was announced on Saturday last by the Minister of Telegraphs, the Hon. A. Hamilton. The Board consists of the following:

MR. H. D. VICKERY, public accountant, of Wellington (chairman).

MR. G. R. HUTCHINSON, company director, of Auckland.

MR. L. R. C. MACFARLANE, farmer, of Culverden.

Mr. Vickery will hold office as first chairman of the Board for a period not exceeding 5 years, but subsequent appointments to that position will be for a period not exceeding 3 years. Of the other two appointments, one is for 4 years and the other for 3 years. The subsequent appointees will hold office for 3 years. Members are eligible for reappointment.

The Board will hold its first meeting in Wellington on Tuesday, December 22, and will then be required to transact a big volume of business essential to the change-over. It is understood that the existing staffs will be confirmed in their appointment in the first instance until the Board has time to investigate the position.

According to the Act under which the Board is constituted, the Board is charged with the whole duty of advancing broadcasting in New Zealand. It will therefore be required to go fully into all aspects before announcing its policy upon material points.



The Chairman of the Board, Mr. H. D. Vickery.

ADVISORY COUNCIL

IT is also provided in the original Act that an Advisory Council may be set up to assist the Board. The personnel of this Advisory Council has not yet been decided upon. It is to consist of eight members, five from the North Island and three from the South Island. The appointments are to be for a time of three years, with the right of reappointment.

The purpose of this Advisory Council is to afford listeners the opportunity of voicing their views upon the control of the broadcasting system. The intention is that the Council shall hold its inaugural meeting shortly after the Board takes over the system, and advise the Board as to the best policy to pursue, i.e., from the point of view of the Council. Thereafter the Council will meet once a year, or more frequently if desired, when questions of importance can be decided.

There is also provision in the Act for the appointment by the Board of standing or special committees. In this advantage is being taken of the practice of the Radio Broadcasting Company in maintaining at the different centres sports committees, entertainment committees, education committees, church committees, and children's committees, etc., composed of enthusiasts who are prepared to give guidance in their particular fields.

Mr. H. D. Vickery.

The chairman of the Broadcasting Board, Mr. H. D. Vickery, is a public accountant of Wellington, where he has been practising for the past 22 years. For a number of years he has acted as an examiner in accountancy subjects for the University of New Zealand. He is connected with a number of companies, including Metters (N.Z.), Ltd., B. L. Hart and Co., Ltd., and the Paparoa Coal Co., Ltd. Mr. Vickery acted for the Government on the Committee for the revision of the Companies Act. For 10 years he was secretary for the Wellington Chamber of Commerce, and he was the first secretary of the New Zealand Associated Chambers of Commerce. Last April Mr. Vickery was appointed a member of the Earthquake Adjustment Court.



Mr. L. R. C. Macfarlane.

Mr. L. R. C. Macfarlane.

Mr. L. R. C. Macfarlane, who is a farmer at Culverden, is president of the Canterbury Agricultural and Pastoral Association. He is also president of the Royal Agricultural Society. For many years past Mr. Macfarlane has taken a prominent part in farmers' movements, and is well-known as a successful agriculturalist. At the 1928 general election he unsuccessfully contested the Huruai seat in the Reform Party's interests against the Prime Minister, Rt. Hon. G. W. Forbes.

Mr. G. R. Hutchinson.

Mr. George R. Hutchinson is the managing director of Hutchinsons (Wholesale), Limited. He is chairman of the Auckland Harbour Board, and a member of the Auckland Transport Board. He was a member of the Grafton School Committee 38 years ago, and a member of the Mount Albert Road Board 36 years ago. He also served on the Edendale and Birkenhead school committees. Mr. Hutchinson was elected to the Auckland Harbour Board 18 years ago. He has been a member of the Auckland City Council, and was at one time chairman of the tramways and waterworks committee. He left New Zealand as a captain in the Army Service Corps in 1915, returning after four years' service with the rank of major.

General Manager Appointed

Mr. E. C. Hands to Act

THE first act of the chairman of the Radio Board, Mr. H. D. Vickery, was to arrange for the appointment of Mr. E. C. Hands, Principal of the Telegraph Division, G.P.O., to act in the capacity of general manager of the new Broadcasting Board until further notice. Mr. Hands in the past two years has been brought in close touch with broadcasting, particu-

larly in regard to the licensing and regulation aspects of the service. In addition, to facilitate the inception of the Board's regime, a certain amount of preliminary organisation has been undertaken by him and other departmental officers.

Mr. Vickery in his statement remarked that the Postmaster-General had indicated his intention of assisting the Board in every possible way during its first few difficult months. In addition to the service of Mr. Hands, other officers of the Post and Telegraph Department would be placed at the disposal of the Board when required. Mr. Vickery indicated that the appointment of the Board so close to the holidays had made matters a little difficult, but with the goodwill and co-operation of the Hon. A. Hamilton (Postmaster-General) and his department, listeners could be assured that a smooth service would operate throughout January. Mr. E. C. Hands has been in the service of the Post and Telegraph Department for approximately 22 years. Prior to joining the Department he had seven years' experience with the Pacific Cable Board. Before 1928 he filled the position of Supervisor of the Telegraph Office in Wellington. For the past two years Mr. Hands has been Principal of the Telegraph Division, G.P.O., and in that capacity maintained close touch with various phases of broadcasting.

Public Relations

Goodwill to Company and Staff

Resolutions by Committees

VARIOUS committees which for years past have been working in co-operation with the Radio Broadcasting Company held their final meetings this month and there is an eloquent unanimity about their expressions of goodwill and gratitude to the Company and to the several station staffs which are embodied in the reports already to hand.

At the meeting of the IYA Church Service Advisory Committee there were present Rev. Geo. Heighway (Congregational), Mr. Osborne (Salvation Army), Rev. W. Webber (Church of Christ), Rev. W. D. Morrison-Sutherland (Presbyterian), Rev. W. Walker (Methodist), Rev. G. Coats (Anglican), and Mr. L. C. Barnes (Station Director) in the chair.

On the motion of Rev. W. Walker, seconded by Rev. George Heighway, it was unanimously resolved that a letter be written to the general manager in appreciation of the cordiality existing between the Company and the committee.

Mr. Walker further moved and Mr. Sutherland seconded that the committee tender its thanks to Mr. Barnes for his kindly services and cordial relationship with the committee. This was carried unanimously, the seconder expressing the hope that they would all meet again in the future.

The 2YA Church Service Advisory Committee met with the following present:—Rev. C. V. Rooke (chairman), Pastor W. G. Carpenter (Church of Christ), Rev. R. J. Howie (Presbyterian), Rev. H. W. Newell (Congregational), Mr. J. Ball (Station Director).

On the motion of Mr. Howie, seconded by Mr. Carpenter, it was unanimously resolved that a letter be sent to the Company expressing appreciation of the way the Company had looked after the committee, the mover expressing the hope that under the new regime they would be there again. It was agreed that the letter be drawn up by Mr. Howie and signed by all the members of the committee before being forwarded to the General Manager.

AT the meeting of the IYA Children's Session Advisory Committee there were present: Rev. L. B. Busfield (chairman, Auckland Sunday School Union); Miss C. J. Flatt (National Council of Women), Captain Chandler (Skipper), Mr. L. S. Abbott (Boy Scouts' Association), Mr. D. W. Farigan (Uncle Dave), Miss R. Palmer (Children's Programme Organiser), and Mr. L. C. Barnes (Station Director).

On the motion of the chairman, seconded by Mr. Faigan, the committee unanimously placed on record its appreciation of the splendid work of Miss Palmer (Children's Organiser), and further expressed indebtedness to Mr. Barnes for his assistance and courtesy, and conveyed to him the appreciation of the Uncles and Aunts. A similar tribute was paid the chairman.

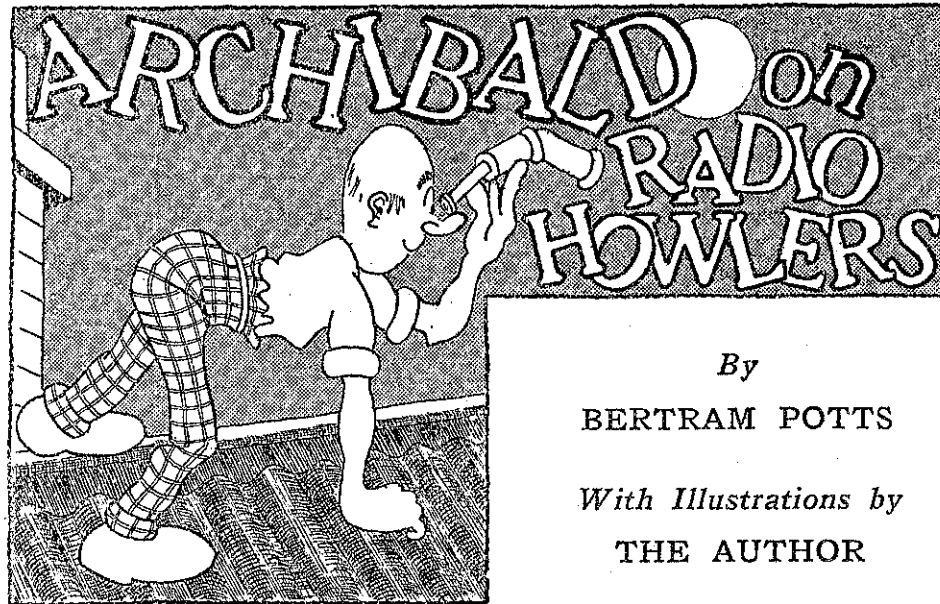
AT the meeting of the 2YA Children's Session Advisory Committee there were present: Pastor W. G. Carpenter (Uncle George), Messrs. W. A. Andrews (Anglican Boys' Home), G. W. Morgan (Radio Children), W. E. Howe (Sunday Schools' Union) and J. Crewes (Big Brother Jack), Mesdames Green (Federation of University Women), D. O. Evans (Children's Organiser), and D. Basham (Children's Organiser), and Mr. J. Ball (Station Director).

On the motion of Mr. Morgan, seconded by Mr. Andrews, it was unanimously resolved: "That this committee places on record its high appreciation of the work of the Radio Broadcasting Company insofar as it applies to the children's sessions, and its regret at the severance of the splendid relationship that has existed between the Company and the committee. This committee desires also to record its appreciation of the great opportunity it has been afforded by the Company to help in entertaining and educating the children through the medium of the Radio Broadcasting Service."

On the motion of Mr. Morgan, seconded by Mr. Crewes, it was further (Concluded on page 29.)



Mr. G. R. Hutchinson.

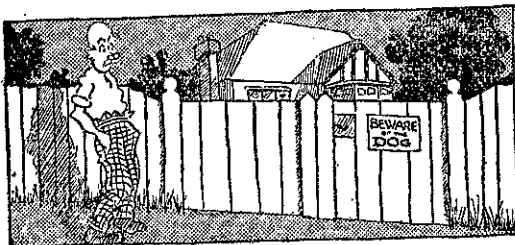


THIS week I want to tell you, Mr. Editor, me opinion about the Radio 'Owler—'im what makes peaceful men beat their wives, turns them into gibberin' apes, thereby completin' the vicious circle.

Many a 'ome what starts off 'otsy-totsy finishes up topsy-turvy, wrecked by the 'owler's recklessness. 'E makes the ether sound like the regular rumpus in Noah's Ark at feedin' time. 'E skulks in 'is 'ovel and makes porridge of the atmosphere, till the music makes me sick and you sick. 'E's a fair devil, only nobody knows 'oo the devil 'e is, except that—

'E is a 'og, a dirty dog,
Whose brains 'as turned and slipped a cog;
For 'olidays 'e don't go far—
Just listens at the abbatoir;
When funerals pass 'is blinkin' door
'E puts on jazz and makes it roar;
'E steals with glee the mourners' blooms
While writin' limericks on the tombs;
For neighbours 'e 'as 'ad a crowd
What's shifted 'cause 'e snores so loud;
At pictures, mocks the weepin' girl
What's been forsaken by the earl;
And outside lolly shops 'e stands
And bumps ice-cream from small boys' 'ands;
At dances drops 'is gum quite quick
To smile at girls what sit and stick;
From library books 'e tears a page
At spicy spots to make yer rage;
At children's playgrounds busts the ring;
And pours some treacle on the swings;
'E likes to feed the starvin' 'orse
With temptin' 'ay wrapped round some gorse;
'E jams crook metal unawares
Inside them penny slot affairs;
And when 'e's dead 'e 'aunts yer set,
And squeals the more yer fume and fret!

WHAT 'as caused the 'owler's 'eart to get so mildewed and worm-eaten that 'is milk of 'uman kindness 'as curled and turned 'is liver rancid? As a authority on psychology I reckons that 'e always wanted Father Christmas to bring 'im a whistle or a squeaker and never got one, causin' 'is boyish saucy nature to turn peppery. 'Is brain 'as faded and give place to water pressure. If a 'owler is ever brought into captivity, 'e should 'ave a gimlet 'ole bore into 'is 'ead, the water run off, and dynamite put in and fired, to make sure



By

BERTRAM POTTS

With Illustrations by
THE AUTHOR

The rhapsody gives rasps
and gasps, the madrigals
sounds mad,
The mellow 'cello bellows
and the blinkin' bard
sounds bad;
The mandolin is mangled, while the canzonet 'as kinks,
The quartet must 'ave sunk a quart, the syncopation sinks;
The piccolo sounds pickled, too, the barcarolle just barks,
The saxophone 'as stacks of drone, the speeches splutters sparks;
The tenor's tone is more like ten, soprano's more like soap,
The trumpeter 'as lost 'is trumps, the duo's drunk some dope;
The crotchet sounds all crotchety, the 'armony does 'arm,
And forte sounds a 'undred more, the chant 'as lost its charm;
The chorus croaks just like a caw, the baritone is barred,
The nocturne turns before it knocks, the martial march is marred;
The solo sounds so low and base, the drum is three parts run,
The violin's a vile old thing, while jazz just chews its gum;
The cantatrice—she simply can't, the trombone's gulped a bone,
The carol's like a clatt'ring car, and gamut's full of groan;
The ditty sounds quite dotty, too, the tone gives tit for tat,
The shertzo wails it's lost its shirt, the flute's flyblown and flat.

THAT'S enough for me—I grabs me telescope, what is descended from the one what poked Lord Nelson's eye out, and dashes outside and climbs on the roof. I surveys all the wireless poles in the neighbour'ood, but they seems all right except one, what 'as no incubators on the guy ropes. This was causin' a short circuit of the wireless waves, causin' a invisible tempest to rise, the noise goin' squealin' into everybody's batteries and gettin' over-charged with currants, causin' 'iccups and 'owls.



I goes to speak to this 'owler what is causin' the trouble, but on 'is gate is a notice—"Beware of the Dog!" That convinces me I was right. I've 'eard that dog on me set! The 'owls of the dog goes up the pole and into the atmosphere, to be condensed into 'owls again in yer loud speaker. I runs no risks and goes 'ome.

I buries some old valves with wires attached to the aerial pole to see if they would suck out the static and 'owls and leave the music named and unashamed. But it still sounds like the crack of Doom. I tries two aerals, a sort of two-way traffic, and tries to trap the squeals to miss it, so I tries a sieve, but there was a big 'ole in it and let the 'owls through.

It sounds to me just like Old Nick—broadcastin' pains from 'Ell,
I 'ears the cries of wailin' souls and sniffs the brimstone's smell;

Me set begins to writhe and twist and tie itself in knots,

It suffers agony inside, and comes all out in spots;

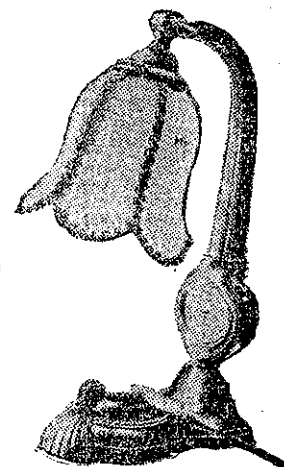
(Concluded on page 10.)

RADIO

The Safest Of All Electrical

The attention of the public was recently drawn to the dangers of interfering with the electrical supply mains by the regrettable fatality which occurred when a young man in Brooklyn was electrocuted while listening on a crystal set attached to the power mains. Below appears a summary of the evidence brought forward at the Coroner's inquest, and also the opinions of two of the leading electrical and radio authorities on the question of radio installation and the resulting electrical hazard.

Appliances



Under certain conditions it is dangerous to operate a set from a table or pendant type lamp socket.

"A CRYSTAL set is a perfectly safe instrument for anyone to use, but if the user, under the mistaken idea that he is improving the working of the set, connects it to the source of electric power in the house, an action which is absolutely unnecessary, he is creating an extremely dangerous condition and running a very grave risk of being electrocuted."

These remarks were made by Mr. T. B. McNeil, S.M., coroner at the inquest on Leigh Holdsworth Auton, the young man who was electrocuted when listening-in recently in a bath at his boardinghouse in Brooklyn, Wellington.

It appears that the deceased had taken a crystal set into the bathroom with him. He had connected the aerial terminal of his set to the mains by running a length of bell wire attached to the "phase" or live terminal of the hot-point switch in his own room through the door, down the passage, and into the bathroom. For an earth he twisted a length of wire around a tap. In adjusting the set a short circuit through his body direct to earth was in some way established, and he was instantly killed.

Apparently deceased was using the mains as an aerial. It appears that he had been in the habit of doing this in his bedroom, where he used the wire mattress of his bed as an earth. That the practise was a very dangerous and a foolish one was stressed by the Coroner: "Although one doesn't like to say it because this young man has lost his life, it is a most foolish act and one almost certain to lead to fatal results. It is to be hoped that owners of sets will take warning

Some Important Don'ts

THE "don'ts" for householders are many, but some of the most important are—

Don't interfere with the plug connection to hot point or lighting point.

Don't interfere with the set while the current is on.

Don't remove the earth wire from the set; it may serve the dual purpose of earth for the radio circuit and protection for the whole set.

Don't under any circumstances use the power supply mains (as was done in the Brooklyn fatality) for aerial or earth wires.

Don't, if the supply plug is in an unsuitable position put in extensions; call in a licensed electrician.

Don't under any conditions use such material as bell wire or other low-grade material to connect your set with the plug.

Don't, if a fuse blows out, replace it yourself. If you have a spare fuse-holder fitted with fuse wire, you may replace the defective one with it, but if you haven't, call in a registered wireman.

connection with the tragedy, and on the question of misuse of electrical apparatus generally, Mr. G. Lauchlan, Assistant General Manager of the Wellington City Council's Electricity Department and chairman of a special committee set up some time ago to investigate the question of radio-set installation, revealed many interesting facts.

The Brooklyn tragedy is of a type fortunately uncommon, and the lesson was so severe that none who read of it will be likely to repeat the folly of connecting a crystal set with the supply mains.

Unfortunately, however, there are many instances of electric radio sets being wrongly connected to the power supply. Over the last few months an increasing number of complaints concerning the blowing out of house-lighting fuses has been received by the Electricity Department. In one month over 20 cases were recorded of people who had reported that their houses, or a portion of them, were in darkness.

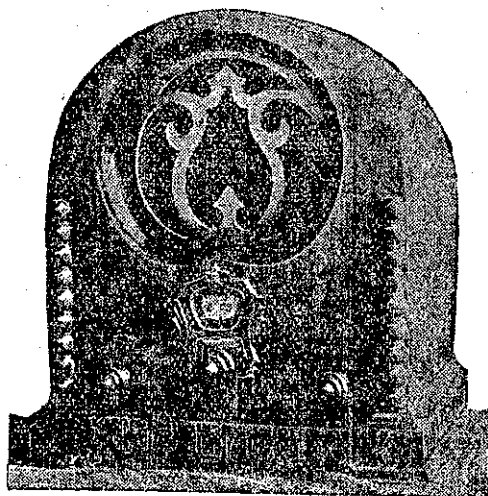
On investigation, it was found that defective radio sets were at the foot of the trouble. These had been wrongly installed or had been interfered with after installation by people who knew nothing of electrical hazards.

In one case an amateur had connected his set, which he had built himself, to a wall-socket by means of several lengths of flex, joined by adaptors. The lead, which passed through two doors, was affixed to the wall by bent-over nails. As would be expected, the house fuse burnt out. His installation was contrary to at least three major regulations.

IN another case, ordinary bell-wire was used to connect the set to the mains—a practice so ridiculous that were it not so dangerous it would be laughable. To an electrician, makeshifts such as these are horrifying—as they would be to the persons themselves if they only knew a little more—and it is this obvious ignorance which makes the few accidents which do occur so pitiful.

The operation of all electric radios from lamp-sockets is in certain circumstances dangerous, and should be discouraged. It is legal only for demonstration purposes, and then only if there is no earthed object, other than the set earth, nearby.

This prohibition is necessary because lamp-socket adaptors may be inserted in two ways—a right and a wrong (*Concluded on page 10.*)



"... All-electric sets, correctly installed, are absolutely harmless, and are the least dangerous of all electrical appliances...."

from this very tragic occurrence.

"My endeavour," he said, "is to draw the attention of the public to the fact that these electrical contrivances when properly used are perfectly harmless. It is when they are misused that they become dangerous."

When interviewed in

Radio the Safest Electrical Apparatus

(Continued from page 9.)

under certain conditions the wrong way is dangerous. The wall switch is, or should be, always in the "phase" or live wire, and so should the switch on the set. But with the two alternative ways of inserting the adaptor the chances are equal that the latter switch will be in the "neutral" or earth lead, and hence will be incorrectly phased.

If this is so, even though the set switch is in the "off" position, the chassis will still be "live," and anyone contacting it and an earth would receive a possibly fatal shock.

There are two precautions which would eliminate this danger, and they should always be observed. Firstly, never take the earth off an a.c. set when it is operating. The ideal earth is short, direct, insulated and inaccessible, and should make adequate contact with the ground. Secondly, always turn the set on and off with the wall switch.

It has also been discovered that many people are in the habit of fitting new or different type plugs to flexes and of making their own repairs when the flex leads come adrift. They should not do so, however, because, as mentioned before, there is only one correct and safe way.

In the matter of installing the sets in accordance with the regulations, the radio trade has in general accorded the

electrical supply authorities the fullest support.

Recently a conference was held between representatives of the electrical authorities and the radio trade, and a joint committee set up has brought down draft regulations, which at present are in the hands of the Crown Law Office, and which require legislative backing before they can be enforced.

The Radio Servicemen's Examination, which has been instituted to place radio installation and servicing in the hands of qualified men only, is a step in the right direction and will do much to eliminate the element of danger.

During an interview the New Zealand manager of one of the largest radio organisations in Australia and New Zealand, and a member of the committee set up to inquire into the question of radio installations, expressed the opinion that all-electric sets, correctly installed, are absolutely harmless, and are the least dangerous of all electrical appliances. This is so because any defect in an electric set is almost always immediately revealed in its operation, while the majority of other appliances, even though perhaps in a dangerously defective condition, will usually continue to function.

To his knowledge there has not been one fatal accident in New Zealand caused by shock received from an all-electric set.

When one considers the thousands of these in use, day and night, it is evident that the element of danger, if present at all, is very slight.

The few accidents due to electrical shock, he remarked, that do occur can be traced in nearly every case to misuse of apparatus or mains. Not a few are caused through the use of electrical appliances outside, where direct contact with earth obtains and risk of shock consequently great.

Often people take vacuum cleaners outside to clean carpets, etc., in the open air, while others are in the habit of using portable lamps, fitted with flex extensions, to do odd jobs at night round the house or garage. Both practices are extremely dangerous, and, as remarked before, are responsible for a large proportion of the accidents then occur.

Archibald on Radio Howlers

(Continued from page 8.)

*Convulsions follows throes and throbs,
with shrieks and screams galore;
The blinkin' ears 'ears squeals and
squeals it never 'eard before;
Its legs falls limp, the lid falls off,
the set sits up and 'owls,
And 'oops and whoops, then stoops
and droops, and scowls and growls
and yowls;
I 'ears the whines where war is waged,
where tortured men blasphemes,
Where they disrobes and doctors probes,
a-jokin' while they screams;*

*I 'ears the gust grow to a gale, what
roars with might and main;
Typhoons, tornados, tempests, too,
succeeds the 'urricane;
I 'ears the groans of gout and gripe,
the dental parlours' pangs,
The inquisition's touchy tongs, the
blugeons biffs and bangs.*

Dog or no dog, I dashes out of the 'ouse again to see the 'owler what I told yer of. I tries to get to 'is front door without disturbin' Old Dog's Body, but 'e gives a bark, and I don't stop runnin' till I falls over 'Erbert's tricycle. I gives 'im somethin'!

I am very proud of bein' the only scientist tryin' to diagnose the 'urly-burly of 'owls, tryin' to get the jostle and jolt out of the atmosphere, sortin' the higgledy from the piggledy, separatin' the 'otch from the potch. As soon as I manages to get the bed out of the bedlam I'll let yer know, so that yer can rest in peace.

Yours with a 'opeful 'eart,
ARCHIBALD.

A DX CLOCK

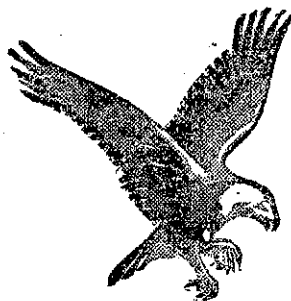
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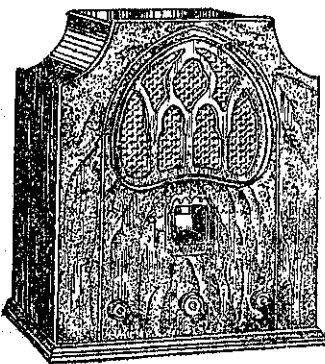
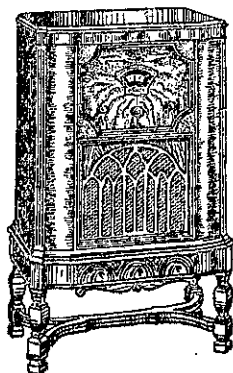
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A Talk from 3YA by
GORDON S. TROUP, M.A.

FRENCH relations with Germany are generally considered to be the key to the problem of European stability. This is true, if we do not fall into two mistakes, one, of thinking exclusively of political relationships, and the other, of regarding French and Germans as two types that are poles asunder and doomed to be antagonistic. The truth is that cultural, economic, and social relationships are far more vital, and in many ways more advanced, between the two countries, than purely political ones, which, as usual, lag lamentably behind. Ever since there has been a France and a Germany, each has been acting and reacting upon the other, sometimes to their mutual hurt, more often to their mutual benefit, much as two members of one family mutually affect one another.

Often they stimulate one another to greater efforts; sometimes they are terribly hard on one another's nerves, because of their very similarity deep down, and differences on the surface.

All European nations, and especially these two and ourselves, have roughly the same mixture of discontent, adventure, hypocrisy, idealism, materialism and individualism, together with a socialising instinct which makes us usually very helpful neighbours, but occasionally very bad ones. Through their long history they have abundantly exemplified the proverb, "Iron sharpeneth iron; so a man sharpeneth the countenance of his friend."

It is interesting to analyse the results of 2000 years' cultural interplay. The Huns invade France, and succumb, as conquerors often do, to Roman organisation and Christianity as preached by their victims. Then Charlemagne replaces the Roman social system with the Feudal one, and German chivalry becomes acclimatised in France. Gothic, and the scholastic philosophy, are taken over the Rhine to Germany, and for hundreds of years, till the French revolution, no great discovery or movement in one country fails to make its mark speedily in the other.

Often the results of such movements are far more extensive in the country of their adoption. Thus the Reformation, beginning in Germany, laid France waste with religious wars and disputes for close on a century. And when the successive batches of Protestants were expelled, they went in large numbers to Germany, where they started a second Renaissance, more brilliant for that country than the first had been.

It was sparks from this camp-fire that kindled the bonfire of the French revolutions, which lasted through eighty years and four big upheavals before leaving a relatively stable society.

Napoleon revived the plans of Charlemagne of a European-wide

society with a homogeneous culture, but the main result of his attempt to mould Germany was the introduction into France first of a romantic, then of a scientific, revival on the model of Germany. Then nationalistic barriers began to rise on both sides of the Rhine, and from 1870 on, there has been less and less of the fruitful intercourse of former times.

The crowning estrangement of the Great War saw leaders in science and art and literature mobilised for cultural recriminations which the survivors surely regret now. But once more normal relationships are being resumed. They have taken turn and turn about being hammer and anvil all down the centuries.

Now Germany has got her first revolution safely past, and anxiously looks when the next one will appear. It is her turn to be anvil, and cultural France plies the traditional hammer, rather mercifully than otherwise, if we forget her political dealings.

Meanwhile individual contacts of all kinds are carrying on the same process. At present, for instance, there are over 1000 German students in Paris alone, keen to absorb as much of French culture as they can. It is true that only about fifty French students are to be found in the whole of Germany. But several holiday tours have taken French students into the heart of Germany, and into a full understanding of her problems and achievements. Sport also brings host of French and Germans together year by year. Cycling, track athletics, swimming and football have all international meetings, while for the last Soccer match between France and Germany several thousand Germans made cheap excursions to Paris. An involuntary piece of Franco-German co-operation came near the end of the game, with the score 0-0, when a German mis-kicked and beat his own goalkeeper, winning the match for France.

German artistic and operatic companies also frequently visit France, and the visits are returned less frequently. And a most enthusiastic reception was given in Paris last year the conductor Weingartner, in a concert hall containing 5000 people. Previously his visit had had to be postponed, for the French "Young Patriots" had given out that they would not let him away alive. But the promoters of the visit were too strong and clever for the patriots, and no violence occurred.

In addition to these contacts, there are conferences, mainly during the summer, bringing together all sections of the community on all sorts of subjects. Teachers, students, economists, doctors, workers, children, Catholics, Protestants, Quakers, and workers for peace, social uplift and prison reform meet in a friendly way and help to bridge the gap. The interesting fact is that among the members of these conferences, convinced internationalists of (Concluded on page 30.)



News and Views of the D.X. Club

Answers to Correspondents

G.G.K. (Hastings): Thanks for cutting. It would be useless to describe the receiver you mention, for not only is it much too complicated, but the special apparatus required is not obtainable in New Zealand. However, we will keep it in mind.

S.M.C. (Mokau): The scheme for the new dx cup is at present being held in abeyance. A decision will be made within two or three weeks. Yes, the VK's are on the broadcast band count.

H.F.A. (Masterton): Thanks; we would like to see both photos, and list.

DX12NW (Nelson): No, only stations which operate between 200 and 500 metres.

C.V.B. (N. Auckland): We hope so.

"Radio" (Wellington): If there is any demand for binding covers for the "Radio Log" they will be made available.

DX1200 (Timaru): A panel showing the interpretation of the R. and Q. sig-

Are YOU a Member of the DX Club?

If not, post your application to the DX Editor, Box 1032, Wellington, enclosing 2/6 to cover cost of badge and certificate (post free). Subscription to the "Radio Log"—the dxer's own magazine—is 6/6 per annum, post free. Book your order now and receive the latest in dx news.

nals was recently published in the "Log." Your log is fair.

R.P.R. (Timaru): Many thanks for good wishes.

IN reply to "Wainui" (Gisborne), re 3GK. I receive him on 1460 kc. (205 m.). No frequency is given on his card. Re Jap. on 1310 kc. (229 m.), I think you will find on close investigation it will turn out to be KGMB, who often broadcasts a Japanese programme. You haven't much chance of getting a Jap. at that time, apart from there being no Jap. anywhere near that frequency. **DX170C:** KCRC, Oklahoma, was the call of station

on 1370 kc. "Fernleaf" (Motueka): KGW's frequency is a long way from that of KGU. Look over your dial again, and give the frequency in figures. Keep on hoping, dxers—I have just received a verification from 2KO, Newcastle, on report sent in on August 4. "Omsk" (Whakatane): Frequency of VUB, Bombay, is 840 kc. (357 m.), and can be picked up from 2 a.m. if conditions are favourable. —J.P.C. (P.N.).

Addresses and Addresses Wanted

"Amazon" (Palmerston North): Address of VK4GO is G. Oxlade, cr. Badger Avenue and Irving Street, Newmarket. **H.F.A. (Masterton):** Address of VK3RO is W. E. Brennan, 38 Normanby Avenue, Thornbury, N.17.—DX840C (Dunedin).

Identification Wanted

Australian amateur on 123 kc. (244 m.), heard at R7 on Dec. 13 at 2.30 a.m., playing a fox-trot, "Valencia," followed by a tenor solo, "Good Night." The station went off the air at 2.38 a.m.—A.I.B. (Dunedin).

What N.Z. station broadcasts a session each morning at 8 a.m. N.Z. summer time on about 1085 kc. (276 m.)? Is it 1ZB? —R.P.R. (Timaru).

DX Topics

News of CJOR.

IN the last American mail I received a verification from WJZ, New York, who also sent me a series of seven books issued by the N.B.C. chain since their inception. They give several chains of stations not mentioned in the "Log." I also received verifications from WLTH, WJDX, WBT, and CJOR. The latter station is the only British Columbia operating on a continuous scheme from 7 a.m. to 11 p.m. or later. Until 7 p.m. they use a power of 1 kw., and after that 500 watts. When on the former power the station is more powerful than the combined powers of all the remaining stations in British Columbia. Their transmitter is located at Sea Island, 6½ miles from the city centre. They are the only station in the province using crystal control and 100 per cent. modulation. CJOR operates on 1210 kc. (247.8 m.). On Dec. 7 and 9 they heard

3EFO when he was calling someone in South Australia. He came through at R6 very clearly, with little fading. He was heard at 2.50 a.m., on about 1235 kc. (243 m.), and seemed very powerful. I have not heard him since. Some nine months ago I wrote to several Americans who had changed their frequencies after I had written them, but to date I have not received the letters back from the D.L.O. By the way, I have seen two badges in Dunedin now.—DX840C (Dunedin).

The D.L.O. "Black-listed."

I HAVE just received from the D.L.O. a letter that I posted to KTM last June. I also sent one to WFAA, Dallas, Texas, but have not received a reply. I wrote to WTIC last May, and have just received a verification. He stated in his letter that he couldn't make out why my letter had not reached him before. It had been sent to the D.L.O. marked "Insufficient address," but this had then been crossed out and the letter allowed to go on. WTIC received my letter on Nov. 2, and posted my verification on Nov. 5, so I expect that is what has happened to most of the reports sent to the stations which are now "black-listed." At 8.20 p.m. on Dec. 12 WFAA was heard testing at R9 on the speaker.—S.M.C. (Mokau).

3AK's Schedule.

ON the 13th, 3AK, the new "B" class station at Balwyn, Victoria, was logged on 1500 kc. (200 m.). This station is located at 8 Yerrin Street, Balwyn, and has its offices at 490-494 Elizabeth Street, Melbourne. The station was opened by the Mayor of Camberwell on November 29, and observes the following schedule:—Daily, 7 a.m. to 9 a.m., and 1.30 a.m. to 4 a.m. (the following day). Saturday, 7 a.m. to 9 a.m., and 1.30 p.m. to 5 a.m. (the following day); Sundays, 2.30 p.m. to 4.30 p.m., and midnight to 2 a.m. (Monday). (All N.Z. summer time.) There appears to be some discrepancy in VK3GK's address. Correct one is: 6 Hood Street, Seddon, W.13. It was formerly Pentel Road, Caulfield. DX260C (Dunedin) appears to be having bad luck with his verifications. KTM, 5KA, and 3SH replied by return of mail, while 3EF has just verified after three months. 5DN and 3WR are still on my black list. Has any dxer received cards from 2KY and 3HA? For the benefit of short-wave listeners, short-wave station VK4RE, "The Voice of Action," will shortly be putting on special programmes on 3900 kc. (76.9 m.), for the benefit of New Zealand listeners. It is operated by the technical staff of the Western Electric Company. Address: Regent Radio Club, Regent Building, Queen Street, Brisbane —A.I.B. (Dunedin).

Two European Verifications.

A CARD was recently received from 7HO, Hobart, 337 m. (890 kc.). Input power to amplifier is 200 watts. Broadcasting sessions: 10 a.m. to 11 a.m.; 2.30 p.m. to 4 p.m.; and 8.30 p.m. to 12.30 p.m., Mon. to Sat. I agree with "Amazon" (P.N.) about pen names. I miss reading the notes by "Seven Kicker" and others. I recently received my first verification from Europe. It was from Leipzig,

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1562	(281)	45/-

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which operates on 1157 kc. (259.3 m.), with a power of 2.3 kw.—H.F.A. (Masterton).

The letter reads:—"We are very enjoyed to receive your letter, and to know that you have picked up our broadcasting programme. We enclose a copy of this programme for your information. Certainly it is interesting to you that two other listeners in New Zealand have received our radio diffusion on nearly at the same time as you. With best wishes for future success in radio.—We are, your faithfully, Mitteldentsch, Rundfunk A.G. Technische Betriebsstelle, Mude."

Another verification, received later from Graz, Austria, 352 m. (851 kc.), power 9.5 kw., reads:—"We received your letter of September 21, and we thank you very much. We are sending a list of European stations, all large towns of Europe have a radio station. If you have any difficulty in finding out these let us know, and we will forward you same. We shall always be pleased to hear from you. We are sending you a photograph of our station.—Yours sincerely, Osterr. Radioverkehrs, A.G., Sender, Graz."

N.B.C. Key Station.

IN a letter recently received from WBOQ they state that their new 50 kw. transmitter has been placed in regular operation as the key station of the Columbia broadcasting system in New York, and it broadcasts daily from 7.30 a.m. until 2 a.m. the following morning E.S.T. Has any dxer received a card from KTM recently? I wrote them about four months ago, but have had no reply.—DX12NW (Nelson).

2ZP's Schedule.

ADDRESS of 2ZR, the new Wellington station, is 35 Taranaki Street. It is operated by Green and Dixon, radio engineers. 2ZP, Wairoa's, schedule is as follows:—Daily, 7 to 9 a.m., Tuesday only, 6 to 10 p.m.—DX74W (Wellington).

DX Jottings.

AMERICAN stations heard recently are KWKC and KCRG heterodyning badly in 1370 kc. (216 m.), and WNAJ with WOC on the same frequency—1010 kc. (297 m.). The latter was putting over a special dx programme dedicated to the "Newark News" Radio Club. Latest verifications include HSP1, Siam, "Radio Alger," Algiers, Algeria, and OKR, Bratislava, Czechoslovakia. DX 2600 (Dunedin): KFSD sent me one of the finest "EKKO" stamps I have yet received, but KHQ is long-winded with me, too. N.J. (Masterton): I have also noticed that CJOR has lengthened his wavelength. "Wainui" (Gisborne): Station on 1030 kc. I presumed to be Mexican and forwarded a report to NRB, Mexico City. Speech was very rapid, and I could not distinguish any call letters.—C.V.B. (North Auckland).

Radio Strasbourg.

THIS is a verification received by Mr. J. P. Cowlshaw, of Palmerston North, from Radio, Strasbourg:—"We are glad to hear that our station can be heard in New Zealand. It operates on a wavelength of 345 m., 869 kc. The power is 12 kw. Announcements are made in two languages, French and German. "Allo, Allo, ici Radio Strasbourg P.T.T." "We suppose that the broadcast you heard was given from a dance at Niederbronn (about 50 kilometres from our town). Our station's signal is a gong, with a deep sound."

"We shall always be glad to hear from you and to give you any particulars you may wish to know."

Another interesting verification received by Mr. Cowlshaw came from the Prague station.

"We received your letter addressed to our branch establishment at Bratislava. There can be no doubt that you picked up this station, and we cannot but congratulate you on your success."

"You heard a concert of gramophone records during the Children's Hour. The words you mention are not clear enough

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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

for us, but it must have been the speaker announcing the next number. What you call bells is the signal for the time announcement.

"We wish that you may win your DX competition, and hope that this will do for a verification. We remain, with all our best wishes, The Radio Journal."

Colombo Broadcasting.

AN interesting verification has been received from Mr. S. Schofield, DX 780C, from Colombo Broadcasting Station.

"We thank you for your interesting report. The details of the items furnished by you have been checked with the station log, and found to be correct, your time being approximately six hours ahead of ours. For instance, when you heard us closing down at 4.17 a.m. on July 17, our time was 10.17 p.m. on July 16. To the best of our knowledge the Colombo station has not previously been heard in New Zealand. A copy of the 'Ceylon Radio Times' is enclosed, and in it you will find particulars of the transmitter. Any further reports will be welcomed." The letter is signed by the Chief Engineer.

Kassel (Germany).

THE following verification has been forwarded to L. C. Black (Nelson), who uses a three-valve set with Daniell cells as a charger:—

"Your observations were very interesting, for the Kassel station is one of the weakest in Germany, its power being only 25 kw. in the aerial, the wavelength 245.9 m. At the time you were listening in you heard a lecture about "Discontinuity Question," by Dr. Pfund, so evidently it is possible that a vagabond beam of our station has found its way half round the world to your receiving set."

"I am sending you a radio newspaper with the programme for the day in question. Ours is a relay station, the studio and key station being situated in Frankfurt on the Maine. It is owned by the German Telegraph Administration. The aerial of our station is erected on the roof of the post office building and is about 80 feet higher. The broadcasting business in Europe is in a high state of development. On account of the numerous broadcasting stations it is difficult to arrange suitable distribution of the wavelengths, and good reception is possible only with highly selective receivers."

"During darkness it is possible to tune in more than 100 European stations, most

of which are actually on the air from noon till midnight without interruption. In the early days of wireless I was engaged as a wireless operator on German merchant vessels, and have made a trip to Eastern Asia and through the Pacific Ocean from Yokohama to Honolulu and San Francisco. On this occasion I became acquainted with the wireless conditions in the Pacific, which happen to be very similar to those obtaining in Europe. I should be very much obliged if you would answer my letter and let me know something about the broadcasting affairs in your country and in the Far East, both localities in which I am very much interested.—(Signed) W. Herreh."

Particulars of COHB.

NOTICE "Omik" (Whakatane) wishes to know VUC, Bombay's frequency, etc. From a verification I have the call is VUB, not VUC, and they operate on 357.1 metres (840 kc.). They broadcast daily from 12 to 1.30 p.m., 4.30 to 5.30 p.m., and 7 to 11 p.m., Bombay time. My latest verifications are: 6PH, WDAG, CJOR, KJR, XEN, and COHB, China. Following is from the letter I received from COHB:—"The situation of COHB is at a high ground level, so the place is called in Chinese 'nan gun,' which means 'south hill.' The wavelength, 445 metres, antenna power 1 kw. It is of the T type, and in the south-north direction, probably giving some directional effect." COHB transmits every day from 6 p.m. to 7 p.m., and 9 p.m. to 10.30 p.m., Harbin time. On Wednesday, COHB broadcasts Chinese programme, and on Fridays European programme from 9.30 p.m. to 11 p.m., Harbin time."

American reception here is fairly good. KFI, KGO, KFWI, KNX, and KMTX are still heard regularly. 2CO, Corawa, was heard at 88 on December 16 at 11.30 p.m. on their opening programme. Re unanswered reports, 3SH, 3HA, 5DN, 5KA, 3GK, and 2XL are on my black list. Wishing all dxers the compliments of the season.—"Sparks" (Rangikura).

A Letter From America.

IN this mail we have received from America a letter from the secretary of the World Radio Reception Club, Brooklyn, New York. The following should interest dxers:—

The following stations will test on December 26, 1931:—

WJAY, 610, Cleveland, Ohio—500 watts, 7-8 p.m., N.Z. summer time.

WDZ, 1070, Tuscola, Illinois—100 watts, 7.30 p.m., N.Z. summer time. WAAB, 1710, Boston, Massachusetts—500 watts, 7.8 p.m., N.Z. summer time. WBSO, 920, Needham, Massachusetts—500 watts, 8.9 p.m., N.Z. summer time. KWLC, 1270, Decorah, Iowa—100 watts, 8 p.m., N.Z. summer time. KFDY, 550, Brookings, South Dakota—500 watts, 9.10 p.m., N.Z. summer time. Station KGAB now referred to in the August "Radio Log," is KTHB.

HHK, Port au Prince, Haiti, should be 323.9 m. (920 kc.), l.k.w.

A clipping from an American paper—the "Brooklyn Eagle"—was also received. It concerns the reception of WLWL, 110 kc., by Mr. Morley Stafford, of Gisborne. The clipping reads:—

"Officials of KLWL are proud these days, as result of receiving a letter from a listener in New Zealand. It came from Pehiri, Gisborne, and was sent by Mr. M. Stafford, who wrote:—

"On August 17 we were very interested in a talk on China from your station. This was followed by Star Light Time."

"The programme the New Zealand listener heard was the Starlight hour coming from the Paulist Fathers' Church and Father John Walsh, director of the China Mission, was the speaker. WLWL is a 5000 watter."

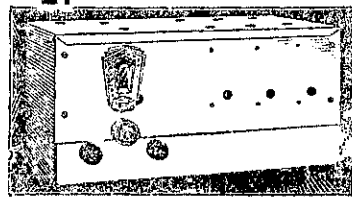
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QUESTIONS: ANSWERS

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.

DX26MC: Could the usual outdoor aerial be fitted in addition to the loop in the circuit of the Super Six?

A.: Yes, but in doing so the set would contravene the fire underwriters' regulations.

BEGINNER (Wellington): Can a loudspeaker be used with a one-valve circuit?

A.: Yes, but do you know your circuit is a violent oscillator? Use a fixed condenser in conjunction with your .0001 to .0003 in series with the aerial.

2. What type of valve should I use?
A.: Use a high amplification valve of the A415 class with a four-volt accumulator or dry cells.
3. How many turns should I have on the coils?
A.: For a two-inch former and a 26 d.s.c. wire use 65 turns. Reaction 25 turns of 30 gauge, d.s.c.

R.R. (Gisborne): Could six-volt valves be used in lieu of two-volt valves for the Super Six without detrimentally affecting its performance?

A.: Yes, they would be perfectly satisfactory, if not slightly better.

VOLTAGE (Otago): Could the frame antenna described in the "Radio Record" of the 11th instant be suitable for a five-valve commercial set?
A.: No; the aerial circuit has to be specially designed to take a frame aerial.

M.G. (Nelson): Where could I obtain full particulars regarding the construction cell charger, and how could these be combined to make one giving four volts?

A.: For a 4-volts charger you would need to make up six Daniells cells as described in the "Radio Record" dated Nov. 7.

P.A.B. (Auck.): My set is of the P. swinging coil type. Would I get better results if I pulled it to pieces and built a more modern two-valve set? I can get the Australians faintly.

A.: It is questionable. Better results can be obtained usually by using newer type valves.

2. Results are as good with the rheostat turned almost off as on. Is this detrimental to the "B" batteries?

A.: No, it is to their advantage to work the rheostat back as far as possible, for by so doing you are using less current than if it were turned up fully.

3. Please describe the following valves: P.610.—A six-volt Osram power valve to be used in the last stage.

Medium 112, power.—A power valve of the 610 class, but which takes a $\frac{1}{2}$ of an amp. filament current.

Ceco A.—A 201A type of valve, five-volt filament, $\frac{1}{2}$ amp. current consumption. A general purpose valve.

301A and C509A.—Equivalents of a Ceco A (UX201A is the same valve).

LP.6.—A six-volt power valve.
Note: All the valves are fairly light on "B" battery consumption, the heaviest being P.610, 112, and LP.6.

KIWI (Auckland): Why can I pick up two stations on the same wavelength—one on 15 and the other on 18? In the daylight I receive the one that is usually on 13 on 18.



A.: It appears one station does not keep on its proper wavelength at night. Check up with your neighbours and see if this is so.

2. Would a .0005 condenser be suitable for a wavetrap and what gauge of wire should I use with it?

A.: It would be quite suitable if employed with a 2in. former, 26 d.s.c. wire, 65 turns.

A.H. (Devonport): Full details of the broadcast coils for the Night Owl Three were published in last week's "R.R."

LIGHTNING (Auckland): We cannot tell you very much unless you send us the circuit of your set. Apparently a wrong connection has been made.

MUG (Khandallah): The fact that when you move your detector you cause the frying noise to stop, points to one of two things being wrong with your set. First a defect in a socket or a loose connection to it, or a defective valve. If you cannot track both these faults down your wisest plan would be to get a radio serviceman to inspect your set.

M.H.O. (Temuka): Can I use a .00035 and a .0005 condenser for the Eagle Five?

A.: If you use a .0005 condenser you will need to wind about 10 less turns on the coil, otherwise it will be quite suitable if you use it in conjunction with a .00035. It is immaterial which stage you use it in.

2. Would two S625 valves be suitable for the s.g. detector of the "Kestrel Three"?

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"Radio Call Book and Technical Review" (formerly Citizen's Call Book Quarterly), Dec. issue, 1/11.
"Wireless Constructor" Nov. issue (all the world on one dial), 11d.
"Break-In" November (N.Z. Amateur's publication), 4d.
"Radio Questions and Answers" ("Radio Record"), 1/8.
"N.Z. Radio Handbook, 1931," 2/6.
"Radio Physics Course," Jy Ghirardi—revised and enlarged. Answers every question on Radio, Electricity, Television and Talks. First lot sold on sight. More stocks on way. Book now, 30/-.
"Television," by Sheldon and Grisewood—America's best publication. Details for building your own set, 18/2.
"Mathematics of Radio," by Rider, 13/8.
"Mathematics for Practical Man," by Howe. Simplicity itself, 10/9.
"Radio: A Study in First Principles," by Burns, 13/- (Simple and clear.)
"Sound Pictures and Trouble Shooters' Manual," by Cameron and Rider. The projectionist's "sheet-anchor," 46/-.
"Practical Radio Repairing Hints," by Rider. Stocks never last long, 13/8.
"Radio Design," Vol. 4, No. 1, 1/3.
New Pilot All-Wave 11 valve Double Super-het., for s.w. and broadcast.
"Scott's Radio Handbook, 1931," 1/8.

OUR LOCAL AGENTS:

Auckland: F. R. Jeffreys, 466 Queen St.
Palmerston North: Radio Supplies & Service Co. (E. B. Borham), 245 Main St.
Blenheim: Tomlinson & Gifford.
Nelson: Keith Walker, Baird's Buildings.
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Christchurch: A. T. Williams, Bookseller, 85 Cashel St. W.
Dunedin: H. H. Driver, Bookseller, George St.

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A.: We should imagine them to be, but of course have not tried them. We are always a little dubious of things we do not try.

C. D. (Christchurch): I have constructed the "E" accumulator as per the 1930 "Guide," but find its capacity is very low indeed.

A.: The plates you sent appear quite normal for unformed plates, but do not appear to have had any charge. The trouble appears to be the charging voltage, which may not have sufficient extra voltage above that of the cells to charge them fully. The hydrometer reading is about right for cells with only a small charge. The original of this battery has been running for two years with distilled water added when required, and charges in series in about 10 hours at 60ma. Do both of the parallel halves charge up equally? In parallel charging, especially in large groups, such as 100 volts, there is always the risk of one half having a higher resistance than the other, and consequently it will receive less charge and run down early when in use. The remedy for this is to have a variable resistance in circuit with the block of least resistance, and adjust until each block is passing equal current. When charging in parallel, always break the parallel connection between groups before cutting off the charging current.

A CORRESPONDENT, whose coupon has gone astray, and whose name was not on his letter, states that he has built a second audio on the "Night Hawk," but gets the Australians only faintly on the phones, but he can put Siberia and Indo-China on the speaker.

A.: You must realise that the broadcast function of the "Night Hawk" is only a compromise unless the coils are made on 2in. formers. Other than that, it might be as well to bear in mind that the Australian stations at the present time are very weak indeed.

2. I had to put about 70 turns on the reaction condenser to make the set oscillate.

A.: This is not altogether unusual. We presume you were using a fairly small-sized reaction condenser, or that you had a valve which was not a good oscillator. Use a PM3, not a PM4, in the first audio socket. Your B406 is a last stage valve, and with 90 volts should carry about 12 volts bias. We are pleased to hear that you have had such success on short-wave.

The Short-Wave Adapter

Hints from a Constructor

(To the Editor.)

EVER since the "Superheterodyne Short-wave Converter" was described, constructors have written in reporting failure. So far as I know mine was the only report of success.

Having built the converter four times, perhaps a few notes may be of use to those not so fortunate.

I have on each occasion built a battery version adapting the circuit to "Anode Bend," first Det., "Grid Leak First Det." (Grid Leak with reaction on First Det.), and "Untuned First Det."

Let constructors take heart, also take down theirs from the attics where doubtless many have stored them in disgust, remove the cobwebs, blow out the dust, and tune 'em in within half an hour.

All that is required is a slight alteration to the oscillator coils. Select the 25-metre oscillator coil first, and take off the winding that couples the "grid to plate" L4. Then put it on again, putting the bottom end of winding to plate pin of valve base and the top to the cathode pin of valve base. That is just the opposite to the illustration in the "Guide" and "Record."

In the schematic drawing, if one accepts the top of the coils as being nearest to the top of the page, it is O.K. However, the coils are rather difficult to understand, and most constructors would work from Figs. 4 and 5 in the "Guide."

This is the only way to get the oscillator in this particular circuit. However, use a good choke.

Be sure and start with the 25-metre coil. There are two good reasons, one being there are plenty of Morse stations offering, and they will kick up a din, too, even if the broadcast receiver will not oscillate.

Having reached this stage, start on the next coil (you want about six coils if you use .0001 condensers), this will bring you up to say 32 metres. When you reach the coil that tunes in the 80-100-metre band, you will probably encounter fresh trouble, for when the dials are brought into resonance on this band, an awful howl may result. This howl may possibly take place also on the 40-metre band, but this is unlikely. If you strike this trouble take out the oscillator valve; you may then tune in Morse and telephony, but not too well. If you do tune in stations it

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is proof positive that the first detector is oscillating, and must be stopped. Cutting down the B voltage proves satisfactory in some circuits, but in others it stops the first detector from oscillating only after the oscillator stops. Dimming the filaments in the battery version is not entirely satisfactory. I have found the simplest measure to adopt is to take off the connection from the fixed plates of C1. Leave the biggest aerial coil in its socket, and everything else, including aerial and earth in position. You then have an adaption of untuned first detector. This in turn will stop the first detector from oscillating, and give single dial control, also signals appear to be as loud as when the first detector is tuned. However, interesting comparisons can be made.

Further Points.

IT is impossible to give particulars of number of turns on "grid" winding of oscillator circuit owing to the different capabilities of valves. There is a difference of as much as 50 degrees on the dial between an English valve and a 201A.

Unless the power pack has plenty of reserve a separate eliminator is necessary.

Tune the "intermediate stages" where the broadcast receiver gives most amplification and keep the dial in

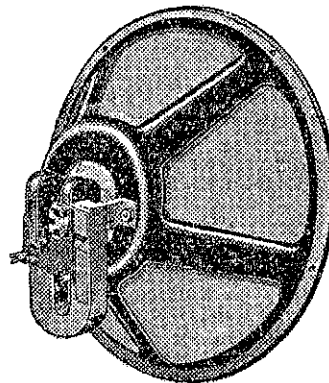
that position; use the same type of valve as oscillator always, and the stations will tune in at the same dial readings. The coils will have to be wound, bearing in mind that you will have to try to cover the wavelengths, so about six coils with .0001, or three with, say, .0002. Personally, I use two double-spaced .0001 condensers in parallel to tune the oscillator stage.

The pre-selector circuit L5, C4 is unnecessary where the first stage of the intermediate amplifier is tuned. Use choke coupling here.

As for sensitivity, the adaptor, when coupled to a receiver of medium power, will perform almost as well without an aerial and earth (and by this I do not mean 2 feet of wire for an aerial, but "no aerial"), as a three-valve short-wave receiver will do on, say, 60 feet.

MORSE stations that are not audible on screen grid receivers, such as the 1930 receiver described in the "Guide," when the receiver is brought out of oscillation, are with the super het., received at R9, with the broadcast receiver not oscillating.

Power lines are most troublesome even on the lower bands. Weak carriers can be brought up to a roar, but of course that does not make the signals readable. It is on those stations that before were received faintly, but were readable, that the supersonic adaptor proves its worth.—W. A. Riddell.



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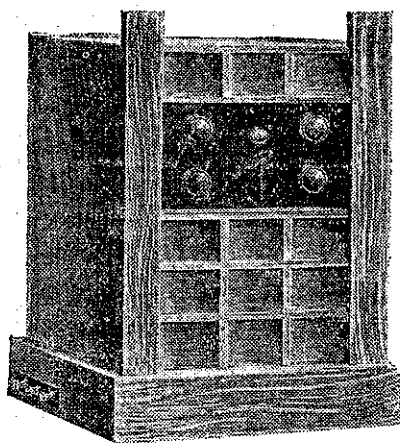
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Date

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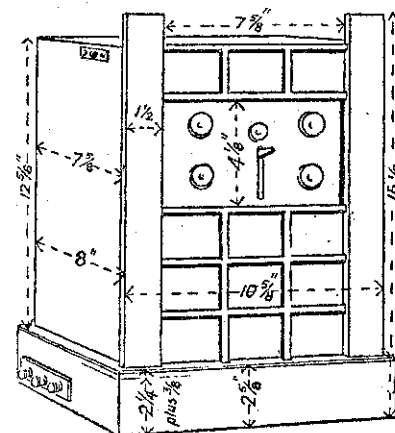
- (1) Be specific and brief, tabulating, if possible.
- (2) Write legibly, and on one side of the paper.
- (3) We do not design circuits, but accept suggestions for feature articles

The "Presto" Change-over Local Receiver



Incorporating the famous Loftin-White circuit and multi-mu valve

By "MEGOHM"



Cabinet Dimensions

TO be able to sit at ease and change from one local station to the other by the mere movement of a switch is the object of the two-station receiver described below. Moreover, the two stations must come in at good and equal loudspeaker volume, however they may differ in actual power output. This receiver has been designed to accomplish this desirable end.

Quality reproduction, needless to say, is also imperative in the modern local receiver, and this condition has been attained by the adoption of the Loftin-White type of amplifier, which is preceded by the new variable-mu UX235 type screen-grid valve. In order to strengthen the reception of weak local stations, the amplifier has been slightly modified to include reaction, which, however, is not intended to be used too freely. Incidentally, it may be possible to bring in certain distant stations under favourable conditions by making use of reaction, but the receiver has not been designed with this object in view, the

aim being to keep the radio tuning gear as compact as possible.

The Cabinet.

THE neat appearance of the cabinet will be appreciated by a glance at the general view of the receiver. Woodwork gives a more distinctive air than can be produced in metal by the amateur craftsman, though, of course, some constructors will prefer to use aluminium alone. Actually, the necessary woodwork has been designed to be effective and at the same time present as easy a task as possible to the amateur woodworker.

The wooden case is lined with sheet aluminium of 16 gauge, which forms

a complete shield against radio interference and at the same time isolates the power-pack which is housed in the lower portion of the cabinet, with the radio gear above, and smoothing condensers and output transformer in the base.

It may be stated here that if built as specified, no background whatever is heard from the unwanted station when tuned to either 2YA and 2ZW at a distance of two miles from the former station. Although great volume may be obtained from either station, quality remains remarkably good at the full output. Although selectivity is good, it is not so sharp as to preclude slight de-tuning of the aerial circuit in order to decrease volume without affecting quality, and by adopting this method, extra controls are dispensed with, so that each station is received with equal volume, only the operation of the switch being required to change over.

The switching is arranged so that the stators of either of two pairs of tuning condensers are connected to

their respective valve grids, and in accomplishing this the chief care is to keep the respective grid leads well separated. Experiments showed that a specially-designed switch would be necessary to carry this out, and an easily-constructed pattern was worked out, having the advantage of being certain in operation and not too bulky.

Pick-up Provision.

PROVISION is included for the operation of a pick-up directly into the two-stage amplifier, in which case a pick-up with good voltage output is an advantage.

Excellent results and adequate volume are obtained from a heavy duty magnetic speaker of the 66R or Farrand types, but if desired a dynamic unit with low-wattage field may have the latter excited by inclusion in the resistance chain, as will be shown.

Constructional Details of the Cabinet.

THE front, sides and base of the cabinet are made from 3/4 in. rimu, all dimensions being given in the diagrams. The top may be plain metal, or wood lined with metal.

Make the base first, then build the upper portion upon it, allowing the base to project 3/4 in. at front and sides, and 1/2 in. at back—this allows of screws being placed in holes drilled in the base to hold the upper part in position. The ornamental bars on the front are strips 3/4 in. wide and 3-16 in thick, glued on.

LIST OF PARTS

For the "PRESTO" Local Receiver

- | | | |
|--|----------------------|------------------------------|
| 1 .0005 Telsa Bakelite Dielectric Condenser, 3/-. | 1 4 mfd., 9/-. | 1 2 mfd., 5/-. |
| 4 1 mfd., 3/- each. | 2 .5 mfd., 2/9 each. | All standard 1000 volt test. |
| E.C.C. .008, 2/- each. | | |
| Jack Closed Circuit, Igranite | 2/3 | |
| 2 in. Diameter Coil Former, per inch | 3d. | |
| 20 ohm. C.T. Resistor | 2/- each | |
| Output Transformer Ferranti | 35/- each | |
| Spaghetti Resistor, 1 only, 30,000, 1/6; 1 only 70,000, 2/3; 1 15,000, 1/6; 1 20,000, 1/6; 1 450 wire wound "Pilot", 4/6; Graham Parish Resistor 2, 1/2 meg., 2/6 each; 1 only 1/2 meg., 2/6; 1 only 2 meg., 2/6 (Ferranti). | | |
| 1 Standard 15,000 ohm Voltage Divider | 6/6 | |
| 2 Standard R.F. Chokes | 3/- each | |
| 2 UX and 2 UY AWA Sockets, each | 1/6 | |
| 4 dozen Strips 1 in. Stalloy | 2/- dozen | |
| Clamps and Bolts | 3/6 per set | |
| 1 1/2 lbs. 32 Enam. Wire | 5/6 lb. | |
| 1 lb. 28 Enam. 3/6; 1 lb. 20 D.C.C., 1/9; 1 lb. 26 Enam. 1/6; 1 lb. 18 D.C.C., 1/6. | | |
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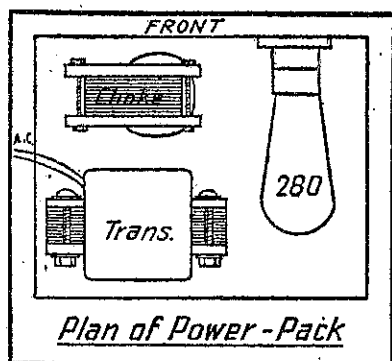
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The panel should be enamelled black or other contrasting colour before placing in position and before the knobs are put on.

Stain that will show up the grain of the wood is the best finish—walnut for preference.



The depth of the base may be regulated to suit the output transformer to be used.

The wooden case is lined with 16 or 18-gauge aluminium sheet, the most convenient method being to cut the pieces separately for the power-pack compartment, then rest the shelf on the top edges of these and place the panel and side pieces on top of the shelf, all pieces being held in place by screws into the wood. Aluminium to cover the top and back completes the shielding.

Above the shelf is the sub-base, raised 1½ in. by means of four feet made of ½ in. strips of aluminium cut 1½ in. long, bent up ½ in. at one end, and a ½ in. hole drilled in the centre of this portion for a bolt. One of these is bolted to each corner of the sub-base. The front of the sub-base is bent upward to form a flange 2½ in. high. To this flange is bolted the bracket to hold the detector coil shield can.

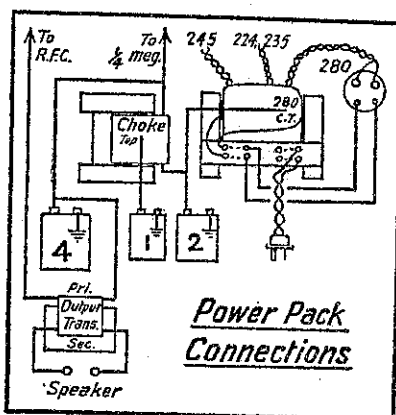
The Power Pack.

AS this portion of the receiver should be installed first, it will now be described.

The power transformer has a 1 in. stalloy core built to bare 1½ in. thickness. The "window" measures 3½ in. x ½ in., and the length of the respective pieces of stalloy is 4½ in. and 1½ in., 144 pieces each size, requiring 25 3 ft. strips. Shellac all the pieces after cutting. Clamps (1 in. x ½ in. iron) drilled 3/16 in. centre for ¼ in. bolts. The transformer stands upon one end of the clamps in order to reduce the height, and to facilitate fastening down, four angle-pieces of copper or brass, say, 24, should be drilled with two holes, one being secured under the clamping bolt, as shown in diagram. The two front angle-pieces may extend upward and serve to hold the fuse-panel, which is of ebonite or fibre.

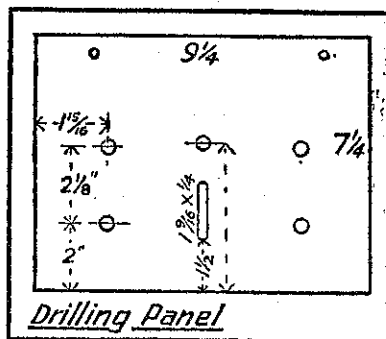
The primary winding consists of 1875 turns of 28 enamelled wire, occupying 12 layers, with paper between each, the supply being 230 volts, 50 cycles.

The secondary high-tension winding is in two separate halves, 3164 turns of 36 enamelled on each side, occupying 19 layers, averaging about 166 turns per half-layer. This winding gives 400 volts with the filter specified The



paper strips should be cut 1 9-16 wide, with the full width strips 3/16 in. bare.

An idea now adopted by the writer for obtaining a perfect balance in divided secondaries is to wind the left-hand coil in the usual way, finishing the winding at the centre, by spread-



ing out the last layer turns if necessary. Then turn the spool round the opposite way on the spindle, so that the wound secondary is on the right. Now wind the second coil in exactly the same way as the first, with beginning lead-out through left-hand cheek of spool, and finishing at centre. These two centre ends may be brought out separately and joined outside, which will be the centre-tap connecting to earth. This method is better than connecting the two inside, and bringing out only one lead. The high tension ends leading to the plates of the 280 rectifier come through their respective spool ends.

When the above method of winding is adopted, any required taps should be put in near the beginning of each secondary winding, that is, for 300 volts at 789 turns and 250 volts at 1164 turns from the beginning.

Filament windings are for the 280, 45 turns 18 d.c.c. tapped at twenty-third turn with a thinner wire, 24 or 26; 245 filament, 23 turns 18 or 20 enamel or d.c.c. wire; 224 and 235 joint winding, 23 turns 18 d.c.c.

Place the transformer as shown, so that fuses may be readily examined and replaced. Detailed information on the construction of power transformers will be found in the 1931 "Guide."

The exact height of the transformer over all should be 4 5-8 in., which leaves about ½ in. clearance below the shelf. The overall length is 5 1-8 in.

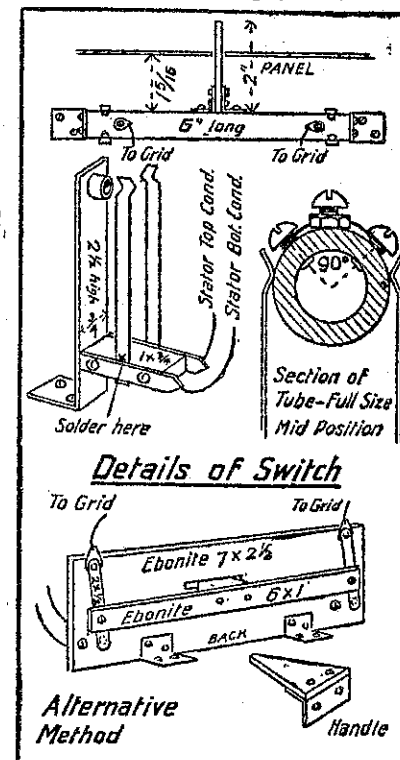
The Smoothing Choke.

ONLY one smoothing choke is required, as the Loftin-White hum-bucking system allows of considerable reduction in the smoothing equipment. Nevertheless, constructors must not cut the size of the choke down unduly or the result will be a persistent hum that cannot be eliminated except by the substitution of a better choke.

The following specifications are for choke "E" as given on page 97 of the "Guide," and have already proved satisfactory on many amplifiers of this class.

The core is of 1 in. stalloy, cut 3½, 2 7-8, 2½ and 1 7-8 in., a one-inch pile of each. Spool ends 2 5-8 square, and spool length 2½ in. outside, leaving ½ in. of the core to be gripped by the

(Continued on page 28.)



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SILVER MARSHALL R.F. CHOKE	each 3/6
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DUBILIER .0001 or .00025 FIXED CONDENSERS	each 1/6
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SCREWS, SOLDERING LUGS, FLEX, HOOK-UP WIRE	3/-

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FUTURE PROGRAMMES

SUNDAY From 1YA

DURING the afternoon a portion of the organ recital will be relayed from the Town Hall. The evening service will be conducted from the Baptist Tabernacle. After the church service the Municipal Band concert will be relayed from Albert Park.

Items from Wellington

THE instrumental portion of tonight's studio programme will be supplied by the Artillery Band, under Captain Herd.

The vocal portion will be unique. It will consist of a collection of folk songs of the European nations, and will include a Basque Lullaby, and "The Old Macedonian Chief," sung in Greek by Signor Cesaroni, beside Alsatian, Norwegian, Tyrolean, Russian, French, Neapolitan and Italian songs. These folk songs will be sung in harmony by Cesaroni's Grand Opera Company.

Christchurch Notes

ST. PAUL'S Presbyterian Church service, at which Rev. W. B. Bower Black is the preacher, will be relayed at 7 p.m., after which the station will relay the programme from 4YA.

At 4YA

FOLLOWING the relay of the evening service from St. Andrew's Street Church of Christ, at which Pastor W. D. More will preach, a studio concert will be presented by Signor Giovanni Stella and assisting artists. Selections will be played by Signora

Orchestra, under the direction of Harold Baxter, will supply the main portion of the programme.

2YA Selections

A NEW artiste, Clodagh Russell, will be heard to-night. Miss Russell is the only representative in New Zealand of Marjorie Gullan, whose work in poetry-speaking is well known and widely appreciated in England, and whose unique Verse-speaking Choir toured the British Isles with conspicuous success.

Miss Russell will be heard in two groups of ballads, the first medieval and the second modern.

The "Musical Portrait" of the evening will be of Chopin, and will be presented by Alice Law, L.R.A.M., an Auckland pianist. The vocal portion of the programme will be in the hands of Mrs. Wilfred Andrews and Amy Woodward, who will sing duets and solos. The orchestra will accompany some of the vocal items, and also a 'cello solo by Claude Tanner, besides playing some fine selections.

Christchurch Topics

THE Woolston Brass Band will be heard this evening in half-a-dozen selections and the Christchurch Broadcasting Trio is playing works by Hummel, Cyril Scott, Chaminade, Elgar, Boccherini and Grieg, besides providing accompaniments to some of the numbers to be sung by Evelyn Hill (soprano), Anita Ledsham (contralto) and J. K. Burtt (baritone).

4YA Features

THE usual international programme will be featured by 4YA this evening, the talk at nine o'clock being on the topical subject of "The Situation in India," by Mr. J. T. Paul, editor of the "Otago Witness."

TUESDAY Auckland Notes

THE results of the Auckland Racing Club's Carnival will be relayed from noon. At 8 p.m. the international programme will be broadcast, the speaker being Mr. A. B. Chappell, M.A., who has chosen for his subject, "Christmas Throughout the World," a seasonable topic.

2YA Notes

THE Lyric Four will be heard in numerous vocal items. Muriel Johns will again delight listeners in songs at the piano, and Stan. Williamson (banjo soloist) plays two brackets of snappy melodies. The Salon Orchestra, under Mat Dixon, supplies the incidental music.

Christchurch Selections

A popular programme will be broadcast this evening. Cicely Audibert (soprano) will be heard in Gouraud's "Jewel Song," "Messagero Amoro" (Buzzi-Peccia) and Fraser-Simons's "Love Cigarette," Nellie Lowe (contralto) sings Nutting's "Land of Mine," "My Curly-Headed Baby" (Clutsum), "Where the Abana Flows" (Woodforde-Flinden) and Greene's "Sing Me to Sleep." Mr. W. J. Trowern's presentation of four pleasing songs, and The Rose and Thistle Duo's popular contributions complete the vocal portion of the programme. The Studio Octet



R. G. BLOW,
baritone, who will broadcast from 2YA on New Year's Night.

Reggiardo's Sextet and an instrumental trio. Signor Stella (tenor) will sing "Mi Par D'udir Ancora" (Bizet) "La Paloma" (Yradier), and "Carmencita" (Simi). "La Vergine deyli Angeli" (Verdi) will be rendered by Miss Clare Dillon (soprano) and Mr. Louis Carroll (bass). Soprano solos will also be sung by Misses Dillon, Kathleen Geerin and Elinor Simons, and baritone solos by Mr. J. J. Devereux.

MONDAY Jottings from 1YA

FROM noon the station will relay the results of the first day of the Auckland Trotting Club's meeting at Alexandra Park. The usual daily sessions will be conducted, including the children's hour and the dinner hour.

The evening programme will see the first appearance in Auckland of Reno and Arta, the famous xylophone duetists, an instrumental turn that has entertained in many countries.

Doris Moore, contralto, and Leslie Belcher, tenor, will be heard in several ballads and humorous items will be given by Trevor Binns. The Salon

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From Dunedin

THE Dunedin Tramways Band, assisted by Dunedin artists, appears this evening in popular selections.

WEDNESDAY

Jottings from 1YA

FURTHER trotting results will be broadcast during the day. There is plenty of variety during the evening programme, including items by Aimee Clapham, contralto, Roger Errington, tenor, and Zante Wood, humorist. Instrumental items will be heard from the Salon Orchestra and E. F. Miller, mandolinist.

The Mati Trio will render Hawaiian vocal and instrumental numbers, while an old friend of listeners, Karl Atkinson, who is visiting Auckland, will give a gramophone lecture recital at 9.30 p.m., entitled "An Italian Genius."

Features from 3YA

A MISCELLANEOUS programme may be looked forward to this evening. Included in the programme is Gladys Watkins, Wellington carillonneur, who will play several pianoforte numbers by Chopin, and the Studio Octet play several fine items.

Jottings from 4YA

THE studio concert at 8 p.m. will include items by Signora A. Martinelli-Regiardi's Sextet.

THURSDAY

Notes from 1YA

TROTTING results will again be broadcast from noon. This is the last night 1YA will broadcast a programme under the present regime, and being New Year's Eve, cheeriness and brightness will reign.

THE popular 1YA Broadcasting Choir and Salon Orchestra will give a programme of old and new melodies, combined with community singing, while "Lee Fore Brace" will talk on "An Hogmanay at Sea." Dance records will be interspersed during the evening, while many friends of the company will be present to join in the gaiety. Just before midnight we shall broadcast a description of the festivities which take place near the Ferry Building and then "Auld Lang Syne."

2YA Topics

AT 8 p.m. there will be a presentation from the studio of a New Year's Eve party tendered to the Radio Broadcasting Company of N.Z. Limited.

At 11 p.m. a relay of the Watch Night Service from St. Andrew's Church will be broadcast, the preacher will be the Rev. W. Bullock. At midnight the New Year celebrations will be relayed from Post Office Square, which will be followed by a community singing from the studio of "Auld Lang Syne."

From 3YA

FOLLOWING the weekly international programme at 8 p.m., which will include a talk by Dr. J. Hight, rector of Canterbury College, on "An International Retrospect and Outlook," there will be an impromptu programme

by well-known 3YA artists from 10 p.m. to 11.45 p.m.

A relay description of New Year's Eve celebrations in Cathedral Square will extend until midnight, when the old year will be rung out and the 1932 rung in.

Items from 4YA

AS becomes the capital of our Scottish province, Dunedin will feature a Scottish New Year programme. The presence of the Dunedin Highland Pipe Band giving the required atmosphere. A fine range of vocal items will be contributed. At 9 o'clock "The Hogmanay Party Entertains" will be presented, the dancer in this feature being May Wilson. A dance session commences at 10 p.m. and from 11.30 p.m. till midnight a relay description of the New Year's Eve festivities around Dunedin Exchange will see the end of 1931 and the dawn of what all hope will be a better year.

FRIDAY

Auckland Topics

When the station goes on the air at 12 noon to-day it will be under



KATHLEEN FERRIS,

a brilliant Wellington lyric soprano, who will be heard from 2YA this week.

—S. P. Andrew photo.

the control of the Broadcasting Corporation, for the company which has controlled its destinies for five years will have ceased to exist.

During the afternoon the results of the racing club's meeting and a resume of the Plunket Shield cricket match, Otago v. Auckland, at Eden Park, will be broadcast.

A bright programme has been arranged for the evening. Featured will be many novelty items, including Wally Harrison and his Melody Boys, Eric Waters in piano sketches, and Peter Black in songs at the piano. A whistling and vocal duo by the Purdy-Black duo will be something out of the ordinary and should be highly entertaining. Reg Morgan and his Orchestra will provide a programme of dance items until the station closes at 11 p.m.

2YA Features

AS usual, the station will be on the air at 10 a.m. with the morning sessions. These will include the usual talks.

At 7.40 p.m. there will be broadcast a talk which will be of more

than passing interest. Mr. C. S. Dempster, a representative of the New Zealand cricket team which recently toured England, will talk on the first test match, in which, it will be remembered, the New Zealand team made a splendid showing and raised the prestige of New Zealand cricket in the eyes of the English public.

Starring on the evening programme will be Maud Russell (Mrs. Albert Russell) and Frank Crowther, both of community singing fame, in piano and vocal duos. Both these artists are well known to listeners and very popular. That they will put on two or three good turns can be taken for granted.

Another feature—this is really a star programme—will be the appearance of Frank Tozer's Hawaiians in selections of Mr. Tozer's arrangement. This group of performers is well known as a vaudeville combination in Australia, and has been starred in many important shows.

A paragraph about them appears in another part of the paper.

Kathleen Ferris, soprano, has been heard from 2YA many times, and she has never failed to please. Her colourful voice has brought endless pleasure to her large audiences and her appearances at the Sunday band concerts have been very popular.

Instrumental music will be provided by the 2YA Orchestra.

Christchurch Notes

FROM 12 noon the station will be on the air to broadcast the results of the Canterbury Park Trotting Club races at Addington.

The evening's programme will be of the vaudeville type featuring a Highland pipe band under Major J. A. Patterson. Two Rascals will be heard in several light items.

4YA Features

THE concert on New Year's Eve will comprise a bright two hours in song and chorus arranged by Alfred Walmsley, assisted by instrumental sextet under the leadership of A. H. Petit.

SATURDAY

1YA Topics

THE station will be on the air from noon to broadcast racing and cricket results. The evening programme will be interrupted to permit of a running commentary on the broadsiding at the Western Springs Stadium.

Probably the most outstanding feature of to-night's programme will be the appearance of the new 1YA Chamber Orchestra, under the conductorship of Harold Baxter.

This will take the place of the smaller studio orchestra, which has

been heard regularly from this station for some considerable time. By its enlargement its capabilities to perform more ambitious works will be extended and listeners can look forward to some pleasurable evenings. They will make several appearances on the programme.

The Asquiths, popular 1YA entertainers, will provide 20 minutes of novelty entertainment, while as soloists Arthur Wright (bass baritone) and Rita MacCullay will be featured. Miss MacCullay has selected three Scottish numbers, including the popular and beautiful "Afton Water."

Notes from Wellington

COMING on the air at 3 p.m., the station will provide the usual programme until 8 p.m., when a light programme will be provided from the studios, the Salon Orchestra, under Mat Dixon, providing the incidental music. Two well-known Wellington artists, Ena Rapley (soprano) and Edwin Dennis (tenor), will be heard in duets, while R. G. Blow (baritone) will entertain with a bracket of two numbers.

Outstanding on the programme will be the first of a series of talks by Major-General B. S. Merlin, late of the Tsar's Imperial Army, dealing with his adventures during the early stages of the Russian Revolution.

Between 10 and 11 p.m. dance music will be relayed from the Adelphi Cabaret.

Jottings From 3YA.

STATION will again be on the air at noon to broadcast racing results. At 8 p.m. a variety programme from Dunedin will be relayed.

Items from Dunedin

AT 8 p.m. to-night a variety programme will be presented by the "Gaiety Troupe" under Edward Mee, assisted by the instrumental octet under A. H. Petit.

Vocal items by the troupe will include "Ta ra ra boom di ay," "Good Old Jeff," and "There is a Tavern in the Town."

Shakespeare and Radio

SOME people go so far as to deny that the Bard of Avon knew anything about radio, but how do they account for the following quotations from his writings? "Ah, stand by," Anthony and Cleopatra. "Take up some other station," Coriolanus. "His lecture will be done ere you have tuned," Taming of the Shrew. "And my dial goes not true," All's Well that Ends Well. "'Tis no matter how it be in tune so it makes noise enough," As You Like It. "And those musicians that shall play to you hang in the air a thousand leagues from hence," Henry IV.—With acknowledgments to "Radex."

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Full Programmes for Next

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Sunday, December 27

1YA, AUCKLAND (875 KILOCYCLES)—SUNDAY, DECEMBER 27.

- 3.0 : Selected recordings. Relay of portion of Organ Recital from the Auckland Town Hall.
6.0 : Children's song service, conducted by Uncle Leo.
7.0 : Relay of service from the Baptist Tabernacle. Preacher, Rev. Joseph W. Kemp; Organist and Choirmaster, Mr. A. Wilson.
8.30 (approx.) : Relay from Albert Park of concert by the Municipal Band under the conductorship of Mr. George Buckley.
10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, DECEMBER 27.

- 3.0 : Selected gramophone recordings.
6.0 : Children's Song Service, conducted by Uncle George, assisted by the children's choir from the Khandallah Presbyterian Church.
7.0 : Relay of evening service from St. Peter's Anglican Church. Preacher, Rev. W. Bullock; Organist and Choirmaster, Mr. S. B. Short.
8.20 (approx.) : Concert by the Wellington Artillery Band (Conductor, Capt. T. Herd) and Signor Lucien Cesaroni's Grand Opera Company in folk songs of European nations.
March—The Band, "The Barnstormer" (Brown). Hymn—"Nearer, My God, to Thee" (Mason). Overture—"The Village Bride."
Folk Songs—Neapolitan—The Company, "Santa Lucia" (trdtl.). Italian—The Company, "The Vesuvian Shore" (trdtl.). French—Signor Lucien Cesaroni and Company, "La Marseillaise" (De Lisle). Cornet with Band—Bandsman J. Bagnall and Wellington Artillery Band, "A Dream" (Herd).
Bass—Signor Lucien Cesaroni, Greek song, "The Old Macedonian Chief" (Careri).
Instrumental Trio—Paul Godwin's Trio, "La Lettre de Manon" (Gillet).
Weather report and station notices.
Folk Songs—Alsatian—The Company, "The Dear Old Home." Basque—"Lullaby." Norwegian—"Battle Song" (trdtl.).
Fantasia—The Band, "Woodland Revels" (Le Duc).
Trio (Horns) with band accompaniment—Bandsmen Taylor, Marsden, and Bull, "Gloaming" (Evans).
Folk Songs—Italian—The Company, "Funiculi Funicula" (Denza). Austrian—"An Austrian Landler." Tyrolean—"Where the Gentian Blows" (Trdtl.).
Serenade—The Band, "Sweet Dreams to Thee" (Beyer). March—"One of the Best" (Rosey).
Instrumental Quartet—Paul Godwin's Quartet, "Serenade des Mandolines" (Desormes) (Poly. 19531).
Folk Songs—French—Signor Lucien Cesaroni and Company, "Christmas Song" (Noel). Russian—The Company, "The Cossack's Love Song." Italian—"The Vesuvian Shore" (trdtl.). Neapolitan—Signor Lucien Cesaroni and Company, "O Sole Mio." God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, DECEMBER 27.

- 3.0 : Gramophone recital.
5.30 : Children's Song Service.
6.15 : Bell chimes.
6.30 : Selected recordings.
7.0 : Relay of Evening Service from St. Paul's Presbyterian Church. Preacher: Rev. W. B. Bower Black. Organist: Mr. Norman Williams. Choir conductor: Mr. H. Blakeley.
8.15 : Relay of programme from 4YA, Dunedin.
10.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, DECEMBER 27.

- 3.0 : Selected recordings.
5.30 : Children's Song Service, conducted by Big Brother Bill.
6.15 : Instrumental recordings.
6.30 : Relay of Evening Service from St. Andrew's Street Church of Christ. Preacher: Pastor W. D. Moore.
7.45 : Selected recordings.
8.15 : Programme by Signor Giovanni Stella and assisting artistes.
Overture—B.B.C. Wireless Symphony Orchestra, "The Bohemian Girl."
8.23 : Baritone—Mr. J. J. Devereux, "Prologue from I Pagliacci."
8.28 : Selection—Signora Reggiardo's Sextet, (a) "La Pere de la Victoire" (Ganne); (b) "The Hermit" (Guenwald).
8.37 : Soprano—Miss Clare Dillon, (a) "I Still Seem to Hear" (Bizet); (b) "Berceuse" (Godard).
8.45 : Selections—The Sextet, (a) "Polonaise" (Mamburg); (b) "Sanctuary."

- 8.52 : Tenor—Signor Giovanni Stella, (a) "Mi Par D'Udir Ancora" (Bizet); with orchestral accompaniment, (b) "Valse Chantee" (Lambert).
9.0 : Weather report and station notices.
9.2 : Selection—Cordoba Philharmonic Orchestra, "La Habanera" (Lucena).
9.6 : Soprano—Miss Kathleen Geerin, (a) "One Fine Day" (Puccini); (b) "The Ash Grove" (Brimsly).
9.13 : Selection—The Sextet, (a) "The Devil's March" (Suppe); (b) violin, "Scherzo" (Klessent).
9.21 : Tenor—Signor Giovanni Stella, with orchestral accompaniment, (a) "La Paloma" (Yradier); (b) "Carmencita" (Simi).
9.27 : Violin, flute and piano—Miss A. Briasco, J. Stewart and Signora Reggiardo, "Nocturne" (Behr).
9.33 : Mezzo-soprano—Miss Elinor Simons, (a) "Invocation" (Bizet); (b) "Chanson de Florian" (Goddard).
9.39 : Piano—Leopold Godowsky, "Nocturne in E Flat" (Chopin).
9.45 : Baritone—Mr. J. J. Devereux, with chorus, "The Desert Song."
9.49 : Selection—The Sextet, "The Sleighing Party" (Silberberg).
9.53 : Soprano and bass—Miss Clare Dillon and Mr. Louis Carroll, with chorus, "La Vergine Deyli Angeli" (Verdi).
9.58 : March—The Sextet, "The I.O.M. Parade" (Dawson).
10.2 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, DECEMBER 27.

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

Monday, December 28

1YA, AUCKLAND (875 KILOCYCLES)—MONDAY, DECEMBER 28.

- 12.0 : Relay of results of first day of Auckland Trotting Club's summer meeting.
5.0 : Children's hour, conducted by Cinderella.
6.0 : Dinner music session (H.M.V.)—
San Francisco Symphony Orchestra, "Coppelia Ballet—Automatons Dance" (Delibes) (D1272).
Victoria Orchestra, "La Serenata" Waltz (Metra) (Zono. EF32).
John Barbirolli's Chamber Orchestra, "A Little Night Music" Serenade.
International Concert Orchestra, "Danube Waves" Waltz (Ivanovici).
Marek Weber and His Orchestra, "La Tosca" Potpourri.
New Mayfair Orchestra, "Five O'Clock Girl" Selection (Kalmar).
San Francisco Symphony Orchestra, "Caprice Viennois" (Kreisler).
Victoria Orchestra, "Espanita" (Rosey) (Zono. EF32).
New Mayfair Orchestra, "Love Lies" Selection (G1658).
International Concert Orchestra, "Over the Waves" (Rosas).
7.0 : News and market reports.
8.0 : Chimes. March—Salon Orchestra (Conductor, Mr. Harold Baxter), "On the Quarter Deck" (Alford); Valse Caprice, "Bal Masque."
8.9 : Contralto—Miss Doris Moore, (a) "The Enchantress" (Hatton); (b) "Don't Hurry" (Sanderson).
8.15 : Male quintet—The Maestros, "Passing By" (Purcell) (Col. D0117).
8.18 : Xylophone duo—Reno and Arta, (a) "Light Cavalry" Overture (Suppe); (b) "She's Gorgeous" (Davis); (c) "Say a Little Prayer for Me" (Nicholls); (d) "The King's Horses" (Gray).
8.28 : Humour—Mr. W. T. Binns, "Trying a Magistrate."
8.35 : Ballet—The Salon Orchestra, "Punch and Judy" (O'Neill).
8.45 : Tenor—Mr. Leslie Belcher, (a) "Yes, Let Me Like a Soldier Fall" (Wallace); (b) "Two Eyes of Grey" (McGeoch).
8.51 : Piano—Una Bourne, "Nocturne, Op. 165" (Chaminade).
8.54 : Waltz—The Salon Orchestra, "City Life" (Translateur).
9.1 : Evening forecast and announcements.
9.3 : Instrumental quartet—The Paul Godwin's Quartet, (a) "La Reve" (D'Ambrosio); (b) "Beautiful Garden of Roses" (Schmid).
9.11 : Contralto—Miss Doris Moore, (a) "Love, the Jester" (Phillips); (b) "Smilin' Through" (Penn).
9.16 : Suite—The Salon Orchestra, "Cyrano de Bergerac" (Rosse).
9.22 : Humour—Mr. W. T. Binns, "Her Majesty Has Been Pleased" (Wallace).
9.26 : Organ—G. T. Pattman, "Four Indian Love Lyrics."
9.34 : Tenor—Mr. Leslie Belcher, "Then You'll Remember Me" (Baife).
9.38 : Xylophone duo—Reno and Arta, (a) "Slavonic Rhapsodie" (Friedmann); (b) "When Your Hair Has Turned to Silver" (Tobias); (c) "Ida and Dot Polka" (Losey); (d) "When I Take My Sugar to Tea" (Fain).
9.48 : Male quartet—The Revellers, "Dinah" (Akst) (H.M.V. B2182).
9.51 : Selection—The Salon Orchestra, "Geisha" (Jones).
10.1 : God save the King.

Week-all Stations-to Jan. 3

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

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, DECEMBER 28.

- 10.0 : Chimes. Selected gramophone recordings.
 11.12 : Lecturette—"Cooking."
 11.37 : Lecturette—"Health Hints or First Aid."
 11.45 : Relay from the Basin Reserve of Plunket Shield cricket match, Auckland v. Wellington. Interspersed with selected gramophone recordings.
 3.30 and 4.30 : Sports results.
 5.0 : Children's hour, conducted by Uncle Jeff.
 6.0 : Dinner music session (H.M.V.)—
 Coldstream Guards Band, "Pique Dame" Overture (Suppe, arr. Winterbottom) (C1594).
 Marek Weber and His Orchestra, "Faust" Selection.
 Organ—Edward O'Henry, "Ca C'est Madrid" (O'Henry) (B3094).
 Zonophone Salon Orchestra, "Love's Garden of Roses" (Haydn Wood).
 Virtuoso String Quartet, "Londonderry Air" (arr. Bridge) (C1470).
 Paul Whiteman and His Concert Orchestra, "Suite of Serenades": (1) Spanish; (2) Chinese; (3) Cuban; (4) Oriental (Herbert).
 Coldstream Guards Band, "Morning, Noon and Night in Vienna."
 Ferdy Kauffman and His Orchestra, "The Gypsy Baron" Selection.
 Symphony Orchestra, (a) "Waltz of the Hours"; (b) "Variations" (from "Coppelia") (Delibes) (C1930).
 Organ—Edward O'Henry, "Chant Sans Paroles" (Tchaikowsky).
 Zonophone Salon Orchestra, "Mighty Lak' a Rose" (Nevin).
 Virtuoso String Quartet, "The Emperor Quartet" (Theme and Variations) (Haydn) (C1470).

- 7.0 : News, reports and sports results.
 8.0 : Chimes. Overture—Halle Orchestra, "Alphonso and Estrella."
 8.8 : Soprano—Mrs. Amy Woodward, "Roberto Tu Che Adoro" (Meyerbeer).
 8.12 : Duet—Mrs. Amy Woodward and Mrs. Wilfred Andrews, with orchestral accompaniment, "I Was Dreaming" (Junker).
 8.15 : "Musical Portrait" (Chopin) (Group 1). Piano—Miss Alice Law, L.R.A.M., (a) "Fantasie Impromptu"; (b) "Preludes in C Minor and A Major"; (c) "Mazurka in B Minor."
 8.30 : Contralto—Mrs. Wilfred Andrews, "Softly Awakes My Heart."
 8.34 : Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "Der Freischütz" (Salabert).
 'Cello, with orchestra—Mr. Claude Tanner, "The Swan" (Witmark).
 8.45 : Spoken—Miss Clodagh Russell, "Old Ballads" (Group 1), (a) "Jolly Wat"; (b) "Edward! Edward"; (c) "The Falst Knight."
 8.52 : Operatic medley—Zonophone Light Opera Company, "Maritana."
 9.0 : Weather report and station notices.
 9.2 : Selection—2YA Orchestra, "Lohengrin" (Wagner).
 9.10 : Soprano—Miss Amy Woodward, "I Have Hung My Tent in Crimson" (from "The Arabian Song Cycle") (Spross); with violin obbligato, "Serenade" (Gounod).
 9.17 : "Musical Portrait" (Chopin) (Group 2). Piano—Miss Alice Law, L.R.A.M., (a) "Nocturne in D Flat"; (b) "Waltz in C Sharp Minor"; (c) "Berceuse"; (d) "Polonaise in A Major" (Chopin).
 9.32 : Duet—Mrs. Amy Woodward and Mrs. Wilfred Andrews, with orchestral accompaniment, "Fainted Mother" (from "Maritana").
 9.36 : Spoken—Miss Clodagh Russell, "Modern Ballads" (Group 2), (a) "Pierrot" (Drinkwater); (b) "Foolish About Windows" (Sandburg); (c) "When You Are Old and Gray" (Yeats); (d) "Reynard the Fox" (Masefield).
 9.43 : Contralto—Mrs. Wilfred Andrews, (a) "Love in Spring" (Gounod); (b) "The Curtain Falls" (D'Hardelot).
 9.49 : Operatic medley—Light Opera Company, "The Bohemian Girl" (Balfé).
 9.55 : Instrumental—2YA Orchestra, "Toujours Fidele" (Waldteufel).
 10.0 : Dance programme.
 Foxtrots—The New York Syncopators, "Lonesome Lover" (Monaco) (Parlo. A3149). Ray Seeley and His Orchestra, "You'll Be Mine in Apple Blossom Time" (Tobias) (A3181). Harry Reser and His Orchestra, "African Lament" (Lecuona) (Parlo. A3182). Tampa Blue Orchestra, "Running Between the Raindrops" (Gibbons).
 10.12 : Waltz—Marimba Centro-Americana, "Little Bertha" (Raymundo).
 Foxtrot—The Prince of Wales Orchestra, "Say a Little Prayer For Me" (Gilbert) (Parlo. A3149).
 10.18 : Vocal—Lions Quartet of Seattle, "Vere is Mein Leetle Dog Gone?"
 10.21 : Foxtrots—Ray Seeley and His Orchestra, "I'm Crazy 'Bout My Baby" (Waller-Hill) (Parlo. A3179). Sam Lanin and His Famous Players, "It Looks Like Love" (Woods) (Parlo. A3181). Ray Seeley and His Orchestra, "Ya Got Love" (Goodhart) (Parlo. A3179). Tampa Blue Orchestra, "Soldier on the Shelf" (Myers) (A3187).
 10.33 : Waltzes—Ilja Livschakoff's Dance Orchestra, "Sometimes You Wish To" (Jurmann) (Poly. 23847). Ed Loyd and His Orchestra, "Reaching For the Moon" (Berlin) (Parlo. A3123).
 Foxtrots—"On a Little Balcony in Spain" (Klein) (A3148). Louis Armstrong and His Orchestra, "Body and Soul" (Heyman).
 10.45 : Vocal—Lions Quartet of Seattle, "O Dem Golden Slippers."
 10.48 : Foxtrots—Tampa Blue Orchestra, "Would You Like to Take a Walk?" (Warren) (Parlo. A3188). Sam Lanin and His Famous Players, "Ninety-Nine Out of a Hundred" (Sherman) (A3148).
 10.54 : Waltz—Marimba Centro-Americana, "Desires of the Soul."
 Foxtrot—Hotel Pennsylvania Orchestra, "Loving You the Way I Do."
 11.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, DECEMBER 28.

- 12.0 : Lunch hour music.
 2.0 : Gramophone recital.
 4.30 : Sports results.
 5.0 : Children's hour.
 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 Martin" (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).
 Creatore'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) "Aubade" (Auber) (ED6).
 New Light Symphony Orchestra, "Spanish Dance, No. 1" (Moszkowski).
 San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov).
 7.0 : News and reports.

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- 8.0 : Chimes. Band Programme by the Woolston Brass Band (R. J. Estall, Conductor) and assisting artists.
 March—The Band, "Harlequin" (Rimmer). Overture, "Mirella."
 8.12: Soprano—Miss Eveline Hill, "With Courty Grace" (Phillips).
 8.15: Male choir—Westminster Glee Singers, "Nellie Gray" (Parlo, A2902).
 8.18: Instrumental trio—Christchurch Broadcasting Trio, (a) "Rondo Alla Turka" (Hummel); (b) "Waltz No. 1" (Cyril Scott); (c) "Serenade" (Chaminade).
 8.26: Baritone—Mr. J. K. Burt, with Trio accompaniment, (a) "Feather Your Nest" (Johnson); (b) "Marcheta" (Schertzing).
 8.32: Intermezzo—The Band, "Bells at Sunset" (McKenzie).
 8.37: Humorous dialogue—John Henry and Blossom, "A Curtain Lecture."
 8.40: Flutes—London Flute Quartet, (a) "Melody from Rosamunde" (Schubert); (b) "Bees' Wedding" (Mendelssohn) (Parlo, A3023).
 8.44: Contralto—Mrs. Anita Ledsham, (a) "Will Ye No Come Back Again?" (Smith); (b) "McGregors' Gathering" (Lee).
 8.50: Selection—The Band, "Gems of Italian Opera" (Rimmer).
 9.0 : Weather forecast and station notices.
 9.2 : Overture—Berlin State Opera House Orchestra, "The Mill on the Cliffs"
 9.10: Soprano—Miss Evelyn Hill, with Trio accompaniment, (a) "Boat Song" (Ware); (b) "Laugh and Sing" (Drummond).
 9.16: Descriptive—The Band, "Turkish Patrol" (Hume).
 9.21: Male quartet—Westminster Glee Singers, "Breeze of the Night."
 9.25: Instrumental trios—Christchurch Broadcasting Trio, (a) "Carissima" (Elgar); (b) "Minuet" (Boccherini); (c) "Norwegian Dance, No. 2" (Greig).
 9.34: Baritone—Mr. J. K. Burt, "The King's Minstrel" (Pinsuti).
 9.38: Humorous monologue—John Henry, "Joe Murgatroyd Says" (Henry).
 9.42: Trombone—Bandman E. Williams, "The Joker" (Moss).
 9.47: Contralto—Mrs. Anita Ledsham, with Trio accompaniment, (a) "When You Come Home" (Squire); (b) "Love's Old Sweet Song" (Molloy).
 9.53: Waltz—Band, "My Desert Rose" (Terise). March, "Flying Squadron."
 10.2 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, DECEMBER 28.

- 12.0 : Results of Dunedin Jockey Club's summer meeting at Wingatui.
 4.30: Sporting results.
 5.0 : Children's hour, conducted by Uncle Jack.
 6.0 : Dinner music session (H.M.V.)—
 Philadelphia Symphony Orchestra, "Damnation of Faust" Marche Hongroise" (Berlioz) (ED7).
 New Light Symphony Orchestra, "The Waltzing Doll" (Poldini).
 International Novelty Quartet, "Teddy Bears' Picnic" (Bratton).
 New Mayfair Orchestra, "Wake Up and Dream" Selections (Porter).
 Organ—Edward O'Henry, "Just as We Used to Do" (Rulli) (B3428).
 Salon Orchestra, "Chanson Boheme" (Baldi) (B2581).
 Marimba Band, "Morales Lopez" (Bolanos) (Zono. EE207).
 De Groot's Piccadilly Orchestra, "Friend o' Mine" (Sanderson).
 International Novelty Orchestra, "The Skaters" (Waldteufel).
 National Military Band, "Lohengrin" Prelude (Wagner) (Zono. A358).
 Berlin State Opera Orchestra, "Der Rosenkavalier" Waltz (Strauss).
 New Light Symphony Orchestra, "At Dawning" (Cadmon) (B2629).
 Philadelphia Orchestra, "Samson and Delilah" Bachanale (ED7).
 Salon Orchestra, "Aloha Sunset Land" (Kawelo) (B2581).
 Marimba Band, "Aguas Dormides" (Bolanos) (Zono. EE207).
 Organ—Edward O'Henry, "Dream Lover" (Schertzing) (B3428).
 De Groot's Piccadilly Orchestra, "None but the Weary Heart" (B2857).
 7.0 : News and reports.
 8.0 : Chimes. Specially recorded international programme.
 Dr. Eugene Ormandy and His Salon Orchestra.
 The International Singers.
 The Irresistible Imps.
 Weather report.
 International talk—Mr. J. T. Paul, Editor "Otago Witness," "The Situation in India."
 Stardust.
 Special dance programme.
 God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—MONDAY, DECEMBER 28.

- 8.0 to 10.0 p.m.: Concert programme.

Tuesday, December 29

1YA, AUCKLAND (875 KILOCYCLES)—TUESDAY, DECEMBER 29.

- 12.0 : Relay of results of second day of Auckland Racing Club's summer meeting.
 5.0 : Children's hour, conducted by Uncle Dave.
 6.0 : Dinner music session (Polydor)—
 Symphony Orchestra, "Frederick" Medley (Lehar) (Poly. 27070).
 Polydor String Orchestra, "In Indras Land" (Lincke) (19677).
 State Opera Orchestra, Berlin, "La Dame Blanche" (Boieldieu).
 Symphony Orchestra, "Eva" Medley (Lehar) (27013).
 Paul Godwin's String Orchestra, "Lehariana" (arr. Geiger) (19749).
 State Opera Orchestra, Berlin, "German Dances" (Schubert) (66458).
 Paul Godwin's Orchestra, "Potpourri of German Folksongs" (19424).
 7.0 : News and market reports.

- 8.0 : Chimes. Specially recorded international programme.
 Dr. Eugene Ormandy and His Salon Orchestra.
 The International Singers.
 Forget-me-not.
 Weather report.
 International talk—Mr. A. B. Chappell, M.A., "Christmas Throughout the World."
 The Irresistible Imps.
 Special dance programme.
 God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, DECEMBER 29.

- 10.0 : Chimes. Selected gramophone recordings.
 11.12: Lecturette—"Fabrics and Fashions."
 11.45: Relay from the Basin Reserve—Description of Plunket Shield cricket match, Auckland v. Wellington, interspersed with selected gramophone recordings.
 3.30 and 4.30: Sports results.
 5.0 : Children's hour, conducted by Jumbo.
 6.0 : Dinner music session (Columbia)—
 Milan Symphony Orchestra, "Masaniello" Overture (Auber) (DOX 149).
 Cordoba Philharmonic Orchestra, "La Habanera" (Lucena) (DOX 77).
 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) (DOX 145).
 Regal Cinema Orchestra, "Viennese Night" Waltzes Selection.
 Sir Henry J. Wood's Symphony Orchestra, "Volga Boat Song."
 Cordoba Philharmonic Orchestra, "Carnival" (Lucena) (DOX 77).
 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. Overture—Dajos Bela Orchestra, "Vienna by Night" (Parlo).
 8.8 : Tenor—Mr. Chas. Williams, with orchestral accompaniment, "Dear Old Ilfracombe" (Verne).
 Quartet—The Lyric, "Pussy's in the Well" (Herbert).
 8.15: Selection—2YA Salon Orchestra (Conductor, Mr. M. T. Dixon), "Selection of Popular Songs" (Stephen Adams).
 8.26: Songs at the piano—Miss Muriel Johns, (a) "Little Sweetheart of the Prairie" (Brown); (b) "Just Two Hearts and a Waltz Refrain" (Stolz); (c) "Good-night, Sweetheart" (Connelly).
 8.37: Banjo—Mr. Stan Williamson, (a) "Happy Go Lucky" (Grimshaw); (b) "Indian Love Call" (Friml).
 8.44: Tenor—Mr. W. Roy Hill, "My Lovely Celia" (arr. Wilson).
 Quartet—The Lyric, "Swing Along" (Cook).
 8.50: Suite—2YA Salon Orchestra, "Miniature Suite" (Coates).
 9.0 : Weather report and station notices.
 9.2 : Instrumental Quartets—The Deman String Quartet, "German Dances—Three Minuets" (Schubert) (Poly. 95220).
 9.10: Banjo—Mr. Stan Williamson, (a) "Beat As You Go"; (b) "Tune Tonic" (Grimshaw).
 9.16: Bass—Mr. W. Binet Brown, with orchestral accompaniment, "Leader of the Town Brass Band" (Longstaffe).
 Quartets—The Lyric, with orchestral accompaniment, (a) "Song of Swanee" (Tobush); (b) "Dreamy Carolina" (Knight and Day).
 9.24: Organ—Leo Stin, (a) "Chanson Hindoue" (Rimsky-Korsakoff); (b) "Clair de Lune" (Massenet) (Poly. 23165).
 9.30: Suite—2YA Salon Orchestra, "Concert Suite" (Brian Hope).
 9.40: Baritone—Mr. Will Goudie, "Old Barty" (Grant).
 9.44: Choral Medley—Regal Light Opera Company, "The Three Musketeers."
 9.52: Selection—2YA Salon Orchestra, "Little Dutch Girl" (Kalman). Dance Novelties.
 10.2 : God save the King.

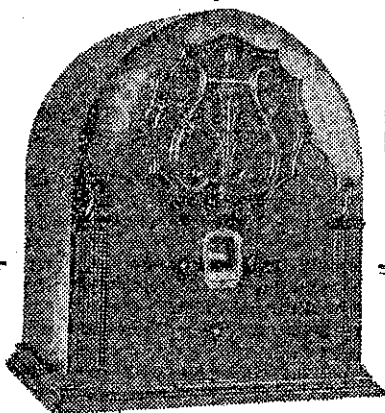
3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, DECEMBER 29.

- 3.0 : Gramophone recital.
 4.25: Sports results.
 5.0 : Children's hour.
 6.0 : Dinner music session (H.M.V.)—
 New Mayfair Orchestra, "Lilac Time" (Schubert, arr. Clutsam).
 New Symphony Orchestra, "Nell Gwynn Dance No. 3" (German).
 New Symphony Orchestra, "Scenes de Ballet. Op. 52" (Glazounoff)—
 (1) Preamble; (No. 4) Scherzino; (2) Marionettes; (No. 6) Danse Orientale; (3) Mazurka; (5) Pas de Action; (7) Valse; (8) Polonaise (C1752-3-4).
 Zonophone Salon Orchestra, "Eleanor" (Deppen) (Zono. 5374).
 De Groot and His Piccadilly Orchestra, "Waldteufel Memories."
 Royal Opera Orchestra, "Carmen" Ballet No. 2 (Bizet) (C1424).
 New Light Symphony Orchestra, "Minnet" (Boccherini) (B3036).
 Zonophone Salon Orchestra, "Evensong" (Easthope Martin) (Zono).
 Royal Opera Orchestra, "Carmen" Entr'acte and Ballet No. 1 (Bizet).
 7.0 : News session.
 8.0 : Chimes. Orchestral—Grand Symphony Orchestra, "Slavonic Rhapsody" (Friedemann) (Parlo. A4299).
 8.8 : Tenor—Mr. W. J. Trewern, (a) "Mignon" (D'Hardelot); (b) "My Gift for You" (Cadman).
 8.14: Ukulele and Guitars—Hilo Harmony Four, (a) "Way Down in Old Wyoming" (Tobias and De Rose); (b) "E Pari Ra" (Rowe).
 8.23: Soprano—Miss Cicely Audibert, with Octet accompaniment, "Jewel Song" (Gounod).

- 8.28: Humorous Monologue—Wish Wynne, "A Bedtime Story" (Wynne).
 8.34: Orchestral—Studio Octet (Conductor Harold Beck), (a) "Holiday Dance" (Rubinstein); (b) "If I Were King" (Adam).
 8.45: Popular Songs—Rose and Thistle Duo, (a) "Walkin' My Baby Back Home" (Ahler); (b) "Got the Bench, Got the Park" (Lewis).
 8.51: Instrumental Trio—Paul Godwin's Trio, "Un Feu d'Amour" (Silesu).
 8.53: Contralto—Miss Nellie Lowe, (a) "Land of Mine" (Nutting); (b) "My Curly-Headed Babby" (Clutsam).
 8.59: Band—Royal Italian Band, "Inno de Garibaldi" (Olivier) (Col. 01182).
 9.2: Weather forecast and station notices.
 9.4: Selection—Studio Octet, "Carmen" (Bizet).
 9.9: Tenor—Mr. W. J. Trewern, (a) "A Vision" (Pontet); (b) "Resolution."
 9.15: Ukulele and Guitars—Hilo Harmony Four, (a) "Pokarekare" (Hill); (b) "I'm Alone Because I Love You" (Young).
 9.24: Soprano—Miss Cicely Audibert, with orchestral accompaniment, (a) "Messagero Amorooso" (Buzzi Peccia); (b) "Love's Cigarette."
 9.31: Instrumental Quartet—Paul Godwin's Quartet, "Serenata d'Amalfi."
 9.34: Popular Songs—Rose and Thistle Duo, (a) "He Didn't Have to Tell Me" (Donaldson); (b) "Highway to Heaven" (Burke).
 9.40: Orchestral—Studio Octet, (a) "Old English Dance Tunes" (Carse); (b) "Golden Light" (Bizet); (c) "Caprice" (Moszkowski).
 9.49: Contralto—Miss Nellie Lowe, with Octet accompaniment, (a) "Where the Abana Flows" (Woodforde-Finden); (b) "Sing Me to Sleep."
 9.56: Prelude—Berlin State Opera House Orchestra, "La Traviata" (Verdi).
 10.0: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, DECEMBER 29.

- 12.0: Selected recordings.
 4.30: Sporting results.
 5.0: Children's hour, conducted by Aunt Leonora.
 6.0: Dinner music session (Polydor)—
 Ilya Livschakoff's Orchestra, "The Land of Smiles" (Lehar) (27196).
 Paul Godwin's Orchestra, "Song of the Desert" (Delhaes) (22893).
 Paul Godwin's Trio, "For You" (Czibulka) (21341).



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- Paul Godwin's Orchestra, "Hearts and Diamonds" (Marischka).
 Ilya Livschakoff and His Orchestra, "Estrellita" (Davis) (23047).
 Bereny's Hungarian Gypsy Symphony Orchestra, "Karpattia" (23692).
 Symphony Orchestra, "The Forester's Daughter" Medley (Jarno).
 Paul Godwin's Orchestra, "The Mask Seller" (Wolff) (22898).
 Paul Godwin's Trio, "Melodie" (Denza) (21341).
 Paul Godwin's Orchestra, "Polish Temper" (Nedbal) (19609).
 Ilya Livschakoff and His Orchestra, "Pas des Escharpes" (Chaminade).
 Bereny's Hungarian Gipsy Orchestra, "Improvisations on Hungarian Folksongs" (arr. Bereny) (23692).

- 7.0: News and reports.
 8.0: Chimes. Programme by Dunedin Tramways Band and assisting artists. Conductor, Mr. Chas. T. Morgan.
 March—The Band, "The Thin Red Line" (Alford). Waltz, "Red Roses."
 8.12: Contralto—Miss Irene Hornblow, (a) "Love's Young Dream" (Moore); (b) "Steal Away" (arr. Burleigh).
 8.19: Vocal medley—Columbia Light Opera Company, "Hermann Lohr's Songs" (Lohr) (Col. DO49).
 8.27: Selection—The Band, "Souvenir of Savoy" (Rimmer).
 8.38: Bass—Mr. R. B. Macdonald, "Onaway, Awake, Beloved" (Curwen).
 8.42: Foxtrot—The Band, "Moonlight Saving Time" (Kahal).
 8.46: Soprano—Miss Dora Drake, (a) "Love's a Merchant" (Carew); (b) "How Lovely are Thy Dwellings" (Liddle).
 8.52: Mandolin—Circolo Mandolinistico, "Les Millions D'Arlequin" (Drigo).
 8.55: Selection—The Band, "The Man in the Moon" (Rimmer).
 9.2: Weather report and station notices.
 9.4: March—Berlin Symphony Orchestra, "Homage" (Grieg) (Poly. 27042).
 9.12: Contralto—Miss Irene Hornblow, "Mifawny" (Foster).
 9.16: Fantasia—The Band, "On the Sea Shore" (Rimmer).
 9.23: Bass—Mr. R. B. Macdonald, (a) "Mine Enemy" (Rudd); (b) "Because I Were Shy" (Johnston).
 9.30: Humour—John Henry and Gladys Horridge, "An Old Flame" (Henry).
 9.36: Foxtrot—The Band, "Good-night, Sweetheart" (Conley).
 9.41: Soprano—Miss Dora Drake, "June Music" (Trent).
 9.44: Male choir—Forbes Randolph Kentucky Jubilee Choir, (a) "I'm Gonna Shout All Over God's Heab'n" (Balkcom); (b) "My Old Kentucky Home" (Foster) (Bruno. 4285).
 9.50: Selection—The Band, "Scots Songs" (Morton). March, "The Boomerang" (Lithgow).
 10.0: God save the King.

Wednesday, December 30

1YA, AUCKLAND (875 KILOCYCLES)—WEDNESDAY, DECEMBER 30.

- 12.0: Relay of results of second day of Auckland Trotting Club's summer meeting.
 5.0: Children's hour, conducted by Uncle Reg.
 6.0: Dinner music session (Columbia)—
 Regal Salon Orchestra, "Memories of Beethoven" (Beethoven).
 Plaza Theatre Orchestra, "Gipsy Suite" (German): (1) Valse (Lonely Life); (2) Allegro (The Dance) (02537).
 Columbia Symphony Orchestra, "Al Fresco" (Herbert) (01092).
 Kettelbey's Concert Orchestra, "By the Blue Hawaiian Waters."
 J. H. Squire's Celeste Octet, "Invitation to the Valse" (Weber).
 Orchestre de la Societe des Concerts du Conservatoire, Paris, "Le Rouet D'Omphale" (Saint-Saens) (02926).
 Plaza Theatre Orchestra, "Gipsy Suite" (German): (3) Menuetto (Love Duet); (4) Tarantella (The Revel) (02538).
 Columbia Symphony Orchestra, "Badinage" (Herbert) (01092).
 Menorah Symphony Orchestra, "Bar Kochba" Selection (Goldfaden).
 J. H. Squire's Celeste Orchestra, "Chant Sans Paroles" (Tschalkowsky).
 7.0: News and market reports.
 7.40: Talk—"Sparwood" of "New Zealand Referee," "Dogs."
 8.0: Chimes. Overture—Salon Orchestra (under direction of Mr. Harold Baxter), "St. Hubertus" (Fuehl).
 8.7: Contralto—Miss Aimee Clapham, (a) "A Birthday" (Cowan); (b) "Shadow March" (del Riego).
 8.13: Mandolin—Mr. E. F. Miller, (a) "Serenade" (Schubert); (b) "Washington Post March" (Sousa); (c) "Wabash Moon" (Downey).
 8.23: Humour—Mr. Zante Wood, (a) "What Would the Congregation Say?" (Lee); (b) "Casey, K.C." (West).
 8.34: Instrumental—The Mati Trio, (a) "Atamaua" (Lou); (b) "Just a Little Love, a Little Kiss" (Silesu); (c) "Kohala" (Kalli).
 8.41: Tenor—Mr. R. Errington, (a) "When the Swallows Homeward Fly" (White); (b) "Megan" (Novello); (c) "I Heard You Singing."
 8.51: Waltz—The Salon Orchestra, "The Emperor" (Strauss).
 9.1: Evening forecast and announcements.
 9.3: Instrumental—The Mati Trio, (a) "Good-Bye My Feleni"; (b) "Moonlight in Kalua" (Lou); (c) "Honolulu Blue" (Kalli).
 9.10: Contralto—Miss Aimee Clapham, (a) "Sing Merrily To-day" (Phillips); (b) "The Market" (Carew).
 9.15: Selection—The Salon Orchestra, "The Dollar Princess" (Fall).
 9.27: Gramophone lecture-recital—Mr. Karl Atkinson, "An Italian Genius."
 10.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, DECEMBER 30.

- 10.0 : Selected gramophone recordings.
 11.37 : Lecturette, "Hollywood Affairs."
 12.0 : Lunch Music.
 2.0 : Selected gramophone recordings.
 3.30 and 4.30 : Sporting results.
 3.15 : Talk—Miss Ruth Hay, "Massage and Physical Culture in General."
 5.0 : Children's hour, conducted by Aunt Daisy.
 6.0 : Dinner Music.
 7.0 : News, market reports and sports results.
 8.0 : Specially recorded International Programme. Dr. Eugene Ormandy's Salon Orchestra. The Mirthmakers.
 Weather report.
 International talk—Dr. Guy H. Scholefield, O.B.E. Stardust. Forget-me-not.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, DEC. 30.

- 12.0 : Gramophone recital. Lunch hour session.
 2.0 : Gramophone recital.
 4.30 : Sports results.
 5.0 : Children's hour.
 6.0 : Dinner music session (Columbia)—
 London Theatre Orchestra, "Maid of the Mountains" Selection.
 J. H. Squire's Celeste Octet, "Second Movement From Symphony Pathétique" (Tchaikowsky, arr. Robertson) (02937).
 Symphony Orchestra, "When The Lemons Bloom" (Strauss) (02937).
 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.).
 J. H. Squire's Celeste Octet, "Operatica" (arr. Squire) (DOX62).
 Symphony Orchestra, "Doctrinen" (Strauss) (02529).
 Plaza Theatre Orchestra, "Minuet" (Finck) (02439).
 Organ—G. T. Pattman, "Cinderella" Waltz (Pattman) (DO146).
 Musical Art Quartet, "Mighty Lak' a Rose" (Nevin) (01506).
 J. H. Squire's Celeste Octet, "Scene De Ballet" (de Beriot) (02937).
 H.M. Grenadier Guards Band, "Hyde Park" Suite (Jalowicz)—(a) Sunday Morning Church Parade; (b) Rotten Row; (c) On the Supertine; (d) Around the Bandstand (DOX 198).
 7.0 : News session.
 8.0 : Chimes. Overture—Paul Godwin's Orchestra, "Light Cavalry."
 8.4 : Soprano—Miss Frances Hamerton, with orchestral accompaniment, "Shadow Song" (Meyerbeer).
 8.10 : 'Cello—Mr. Hamilton Dickson, (a) "My Heart Is Ever Faithful" (Bach); (b) "Serenade Espagnole" (Glazounow).
 8.18 : Tenor—Mr. Jas. Shaw, (a) "On With The Motley" (Leoncavallo); (b) "Drinking Song" (Mascagni).
 8.24 : Orchestral—Studio Octet (Conductor, Mr. Harold Beck), "Scenes Pittoresques" (Massenet).
 8.35 : Mezzo-soprano—Miss Merle Miller, with orchestral accompaniment, (a) "I Love You" (Grieg); (b) "Song of India."
 8.41 : Piano recital—Miss Gladys Watkins, (a) "Study in C Major"; (b) "Nocturne in D Flat Major"; (c) "Waltz in A Flat Major."
 8.51 : Soprano—Miss Frances Hamerton, with orchestral accompaniment, "Una Voce Poco Fa" (Rossini).
 8.56 : 'Cello—Mr. Hamilton Dickson, "Adagio" (from Sonata No. 3).
 9.0 : Weather forecast and station notices.
 9.2 : Orchestral—Studio Octet, "Remembrances of Brahms" (arr. Morena).
 9.12 : Tenor—Mr. Jas. Shaw, with orchestral accompaniment, "Lend Me Your Aid" (Gounod).
 9.17 : Organ—Marcel Dupre, "Prelude in E Flat" (Saint-Saens).
 9.20 : Mezzo-soprano—Miss Merle Miller, with orchestral accompaniment, (a) "In Summer-time on Bredon" (Peel); (b) "Still As The Night."
 9.25 : Orchestral—Studio Octet, "Allegretto" (from 4th Symphony).
 9.30 : Dance programme—
 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" (Ege) (Col. DO430).
 9.39 : 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) (23848).
 9.45 : Foxtrots—Paul Godwin's Dance Orchestra, "Can You Be Happy With Moonshine Alone" (Kollo) (23842); "Love Was Smuggled Into My House" (Heymann) (23841).
 9.51 : Vocal—Layton and Johnstone, "When Your Hair Has Turned To Silver" (Tobias) (Col. DO381).
 9.54 : Foxtrots—The Society Serenaders, "After Your Kiss" (Elisen) (Reg. G20947); The Rhythmic Eight, "Living a Life of Dreams" (Cowall) (Zono. 5757); The Society Serenaders, "Soldier on a Shelf" (Reeves) (Reg. G20947).
 10.3 : Waltzes—Ilja Livschakoff's Dance Orchestra, "Fleurlette" (Gilbert) (Poly. 23878); Paul Godwin's Dance Orchestra, "I'll Be Sunshine To-morrow" (Meisel) (23886).
 10.9 : Foxtrots—Stellar Dance Band, "When It's Harvest Time In Tennessee" (Lumsdaine) (Reg. G20984); 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).
 10.18 : Vocal—Marion Harris, "Would You Like To Take a Walk" (Dixon).

- 10.24 : Foxtrots—Leonard Joy's All String Orchestra, "On a Little Balcony in Spain" (Klein) (H.M.V. EA854); Gus Arnheim and His Coconut Grove Orchestra, "The Little Things in Life" (Berlin) (H.M.V. EA856); The Southerners, "Yours and Mine" (Nelson) (H.M.V. EA854); Wayne King and His Orchestra, "One Little Raindrop."
 10.33 : Waltzes—Ilja Livschakoff's Dance Orchestra, "When You Are In Love" (Grock) (Poly. 23878); Paul Godwin's Dance Orchestra, "Don't Leave Me" (Monosson) (23886).
 10.39 : Foxtrots—Nat Shilkret and His Orchestra, "Baby's Birthday Party" (Ronell) (H.M.V. EA857); Gus Arnheim and His Coconut Grove Orchestra, "Them There Eyes" (Pinkhard) (H.M.V. EA856).
 10.45 : Foxtrots—Wayne King and His Orchestra, "Dream a Little Dream of Me" (Kahn) (EA892); Rudy Vallee and His Connecticut Yankees, "Thinking Of You Dear" (Bronson) (EA885); Paul Godwin's Dance Orchestra, "I Am So Shy Madam" (Reisfeld) (Poly. 23843).
 10.57 : Waltz—Roy Smeck Hawaiian Trio, "Dreamy Rocky Mountain Moon."
 11.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, DECEMBER 30.

- 12.0 : Selected recordings.
 3.15 : Talk—"Home-made Ice Cream." Talk 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 (Columbia)—
 Columbia Symphony Orchestra, "March of the Bojaren" (Halvorsen).
 Debroy Somers Band, "The Desert Song" (Romberg) (02700).
 J. H. Squire's Celeste Octet, "Memories of Devon" (Evans) (DO254).
 New Queen's Hall Light Orchestra, "Summer Days Suite" (Coates)—
 (a) In a Country Lane; (b) On the Edge of the Lake; (c) At the Dance (02590/1).
 H.M. Grenadiers Band, "New Sullivan Selection" (arr. Godfrey).
 Zurich Tonhalle Orchestra, "Andante" (Mozart) (02978).
 Johann Strauss and His Orchestra, "Voices of Spring" (Strauss).
 Columbia Symphony Orchestra, "Bridal Procession" (Grieg) (02622).
 J. H. Squire's Celeste Octet, "Collette" (Fraser-Simson) (DO254).
 Zurich Tonhalle Orchestra, "Gavotte from Idomeneo" (Mozart) (02978).
 New Queen's Hall Light Orchestra, "Wood Nymphs" (Coates) (02591).
 Johann Strauss and His Orchestra, "Radetzky March" (Strauss).
 7.0 : News and reports.
 7.15 : Talk—Mr. L. W. McCaskill, "Some New Year Resolutions for Farmers."
 8.0 : Chimes. Overture—Berlin State Opera House Orchestra, "Prelude to Baritone—Mr. J. J. Devereux, (a) "For the Green"; (b) "Nelson's Gone a-Sailing" (Lohr).
 8.15 : Selection—Signora A. Martinelli-Reggiardo's Sextet, (a) "On the Beach" (Sillberg); (b) "On the Isle of Love" (Kahn).
 8.24 : Humour—Mr. J. B. Flynn, "Business as Usual."
 8.30 : Mezzo-soprano—Miss Vanda Duncan, (a) "Mignon's Song"; (b) "Mighty Lak' a Rose" (Nevin).
 8.36 : Selection—The Sextet, (a) "Chinchista" (Hartiz); (b) "Cleopatra."
 8.45 : Bass—Mr. F. E. Woods, (a) "Macnisha" (McMurrrough); (b) "I Had a Flower" (Kellie).
 8.52 : Selection—The Sextet, (a) "March of the Bersagliere" (Beig); (b) "Meno D'Amour" (Tylers).
 9.0 : Weather report and station notices.
 9.2 : Organ—Arthur Meale, "March on a Theme of Handel" (Guilmant).
 9.6 : Baritone—Mr. J. J. Devereux, "The Two Grenadiers" (Schumann).
 9.10 : Selection—The Sextet, "Ethiopia" (Jahns).
 9.15 : Mezzo-soprano—Miss Vanda Duncan, "Flower Song" (Gounod).
 9.19 : Humour—Mr. J. B. Flynn, "The House Warming" (Collins).
 9.23 : Selection—The Sextet, "Hoch Halsburg" (Kral).
 9.27 : Bass—Mr. F. E. Woods, "From Oberon in Fairyland" (Slater).
 9.30 : Dance session (Panachord)—
 Foxtrots—Benny Goodman and His Orchestra, "We Can Live on Love" (Golden) (P12120); "And Then Your Lips Met Mine" (Nelson) (P12023); "If You Have't Got a Girl" (Davis) (P12079).
 9.39 : Waltzes—Jack Richard and His Miami Orchestra, "On the Winding Santa Fe" (Gilbert) (P12204); Jack Richard and His Miami Orchestra, "Gazing at the Stars" (Crawford) (P12101).
 9.45 : Foxtrots—Sleepy Hall and His Collegians, "The Song of the Fool" (Lewis) (P12023); "How the Time Can Fly" (Donaldson).
 9.51 : Vocal—Norman Allin, "Off to Philadelphia" (Temple) (Col. 01590).
 9.54 : Foxtrots—Spec. Mason's Orchestra, "Thank Your Father" (De Sylva) (P11988); Mark Fisher's Orchestra, "Three Little Words" (Kalmar) (P12002); The Captivators, "We're Friends Again" (Turk).
 10.3 : Tangos—Ilja Livschakoff and His Dance Orchestra, "In a Little Summer House" (Egen) (Poly. 23906); Paul Godwin's Dance Orchestra, "Fair-Haired Clare" (Llossas) (23945).
 10.9 : Foxtrots—Will Osborne and His Orchestra, "That Little Boy of Mine" (King) (P12118); "By My Side" (Link) (P12101); Spec. Mason's Orchestra, "Without Love" (De Sylva) (P11988).
 10.18 : Vocal—Queenie and David Kail, "When Your Hair has Turned to Silver" (Tobias) (Parlo. A3210).
 10.21 : Waltz—Mark Fisher and His Orchestra, "For You" (Dubin) (P12120).
 Foxtrots—Benny Goodman and His Orchestra, "Mine Yesterday, His To-day" (Lewis) (P12100); Will Osborne and His Orchestra, "Say a Little Prayer for Me" (Nichols) (P12118); "Heartaches."
 10.33 : Tangos—Paul Godwin's Orchestra, "It's You, My Lady, I Adore" (Grothe) (Poly. 23945); Ilja Livschakoff's Dance Orchestra, "Why Are Your Eyes Bedewed With Tears?" (Rosen) (23906).

- Foxtrots—Will Osborne and His Orchestra, "A Tear Was Born" (Deniker) (P12087); Sleepy Hall and His Collegians, "I Hate Myself." (P12087); Vocal—Norman Allin, "A West Country Courting" (O'Reilly).
 10.45: Waltz—Benny Goodman and His Orchestra, "Falling in Love Again." Foxtrots—Spec Mason's Orchestra, "As Long As We're Together" (Barton) (P11991); Will Osborne and His Orchestra, "Lady, Play Your Mandolin" (Caesar) (P12087); Spec Mason's Orchestra, "So Beats My Heart for You" (Henderson) (P11991).
 11.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—WEDNESDAY, DEC. 30.

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

Thursday, December 31

1YA, AUCKLAND (875 KILOCYCLES)—THURSDAY, DECEMBER 31.

- 12.0 : Relay of results of third day of Auckland Trotting Club's summer meeting.
 5.0 : Children's hour, conducted by Skipper.
 6.0 : Dinner music session (Parlophone)—
 Dajos Bela Orchestra, "Russian Fantasie" (Lange) (A4003).
 The Victor Olof Salon Orchestra, "The Merchant of Venice—Incidental Music"—(a) Prelude No. 1; (b) Intermezzo—Portia and Oriental March; (c) Prelude No. 2; (d) "Doge's March" (Rosse) (A4801/2).
 Parlophone Dance Orchestra, "The Skaters" (Waldteufel) (A2648).
 Opera Comique Orchestra, "The Scrotchintsi Fair"—A Hot Day in Little Russia" (Moussorgsky) (A3029).
 Dajos Bela Orchestra, "Marien Klange" Waltz (Strauss) (A4038).
 Berlin State Opera Orchestra, "Christmas Concerto" (Corelli).
 Dajos Bela Orchestra, "Morgenblätter" (Strauss) (A4038); "Fantasie Orientale" (Lange) (A4003); "Dynamiden" Waltz (J. Strauss).
 7.0 : News and market reports.
 8.0 : Chimes. Special New Year's Eve Programme, consisting of "Old and New Melodies," by the 1YA Broadcasting Choir and Salon Orchestra. Soloists: Miss Eileen Smithson, Miss Gwenda Weir, Mr. Lea Heath, Mr. A. L. Macpherson.
 "Lee Fore Brace" will give a sea story—"An Hogmonay at Sea." The programme will be interspersed with dance music.
 11.50: Relay of description of festivities from Ferry Building.
 12.0 : "Auld Lang Syne."
 God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, DECEMBER 31.

- 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, "Home Renovations." 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 (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 (23323).
 Philharmonic Orchestra, Berlin, "The Gipsy Baron" (Strauss) (19902).
 Paul Godwin's 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 (19898).
 Paul Godwin's Orchestra, "Lotus" Waltz (Ohlsen) (23323); "Avant de Mourir" (Boulanger) (21407).
 7.0 : News, reports and sports results.
 8.0 : Chimes. Presentation of New Year's Eve Party tendered to the Radio Broadcasting Company of New Zealand, Limited, by 2YA Artists.
 11.0 : Relay of Watch-night service from St. Andrew's Presbyterian Church. Preacher, Rev. W. Bullock.
 12.0 (midnight): Relay of New Year's Eve Celebrations from the Post Office Square. Community Singing of "Auld Lang Syne."
 12.15 (approx.): God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, DECEMBER 31.

- 12.0 : Lunch-hour music.
 2.0 : Gramophone recital.
 4.50: Sports results.
 5.0 : Children's hour.
 6.0 : Dinner music session (H.M.V.)—
 National Symphony Orchestra, "Stradella" Overture (Flotow) (Zono).
 Royal Opera Orchestra, "Faust" Ballet Music, First to Fourth Movements (Gounod) (C1462); "The Sleeping Beauty" (Tschalkowsky).
 National Symphony Orchestra, "Caucasian Sketches"—(No. 1) In the Mountain Pass (Ippolitoff-Iwanoff) (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". (D1568).
 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, Fifth to Seventh Movements (Gounod) (C1463); "Shepherd Fennel's Dance" (C1469).

7.0 : News and reports.

8.0 : Chimes. Specially-recorded International Programme:

Vitaphone Orchestra.

The Irresistible Imps.

The Flying Song Squadron.

Weather forecast and station notices.

International Talk—Dr. J. Hight, Rector of Canterbury College, "An International Retrospect and Outlook."

Forget-me-not.

Whispers.

10.0 : Impromptu programme by well-known 3YA artists.

11.48: Relay of description from Cathedral Square of Celebrations, including Bells of Christchurch Cathedral, ringing the old year out and the new one in. The New Year 1932 arrives to the sound of cheers, bombs, the ringing of bells, the sound of Scottish bagpipes and good fellowship.

12.10: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, DECEMBER 31.

12.0 : Selected recordings.

4.30: Sporting results.

5.0 : Children's hour, conducted by Big Brother Bill.

6.0 : Dinner music session (Polydor)—

Berlin Philharmonic Orchestra, "Beatrice and Benedict" (Berlioz).

Paul Godwin's Orchestra, "The Roses' Bridal Procession" (Jessel).

Paul Godwin's Quintet, "Minuetto" (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" (Francke) (19457).

Efim Schachmeister's Orchestra, "Dark Eyes" (Schachmeister).

Opera Orchestra, Berlin-Charlottenburg, "Si J'Etais Roi" (Adam).

Paul Godwin's Orchestra, "The Marionette's Guard Mounting."

Paul Godwin's Quartet, "Octobre" (Tschalkowsky) (19457).

Efim Schachmeister's Orchestra, "Kasbek" (Schachmeister) (20453).

Paul Godwin's Quintet, "Dolls' Minuet" (19929).

7.0 : News and reports.

8.0 : Chimes. A Scottish New Year Programme.

Pipes—Dunedin Highland Pipe Band (Pipe-Major A. McMillan),

"Selection" (Trdtl.).

8.10: Scots humour—Mr. B. Brown, (a) "The Waggle o' the Kilt"; (b)

"Killiecrankie" (Lauder).

8.17: Cello—Hans Bottemund, (a) "Thou Art Repose" (Schubert); (b)

"Evening Song" (Schumann) (Poly. 19971).

8.24: Duet—Mrs. D. Carty and Mr. Bert Rawlinson, "The Crookit Bawbee."

Soprano—Mrs. D. Carty, "Far, Far Awa" (Melville).

8.31: Pipes—The Band, "Selection" (Trdtl.).

8.41: Scots humour—Mr. B. Brown, "I Wish You a Happy New Year."

8.45: Piano solo—Herschel Henlere, "Tinkering With 'Home, Sweet Home'."

8.51: Pipes—The Band, "Selection" (Trdtl.).

8.57: Baritone—Mr. Bert Rawlinson, "A Hundred Pipes" (Trdtl.).

9.0 : Weather report and station notices.

9.2 : "The Hogmanay Party Entertains" (Miss May Wilson).

10.0 : Dance session (Polydor)—

Foxtrots—Ilja Livschakoff's Dance Orchestra, "And Swiftly the Days

Pass By" (arr. Benedict) (23482); "The Gipsy Princess" (Kal-

man) (23610); "Mumich Kiddy" (Stolz) (23401).

10.9 : Waltz—Ilja Livschakoff's Dance Orchestra, "My Love Song Must Be

a Waltz" (Stolz) (23649).

Foxtrots—Paul Godwin's Dance Orchestra, "Say That You Love Me"

(Uher) (23650). Ilja Livschakoff's Dance Orchestra, "The Whole

World is Sky Blue" (Stolz) (23649).

10.18: Vocal (Spanish)—Juan Llossas with His South American Orchestra,

"La Cigarra" (Paredes-Cando) (P40488).

10.21: Tangos—Ilja Livschakoff's Dance Orchestra, "Don't Leave Me!" (arr.

Benedict) (23482); "To-night I've Dreamt of You" (Kalman)

(23610); "You Are My Morning and Night Prayer" (Krauss).

10.30: Waltz—Paul Godwin's Dance Orchestra, "Under the Roofs of Paris."

Foxtrots—Paul Godwin's Dance Orchestra, "Fair Little Daisy" (Willi

Kollo) (23651). Ilja Livschakoff's Dance Orchestra, "Love and

Wine Never Alone" (Krauss) (23569); "The Barrel Organ."

10.42: Vocal (Spanish)—Juan Llossas, with His South American Orchestra,

"Sonarse Abandonado" (Paredes) (P40488).

10.45: Tangos—Ilja Livschakoff's Dance Orchestra, "A Love Letter" (arr.

Michaeloff) (23481); "Just a Bit of Love" (Rosen) (23547); "And

Once You Too, Will Deceive Me" (Stolz) (23578).

10.54: Foxtrots—Ilja Livschakoff's Dance Orchestra, "You Are My Greta

Garbo" (Stolz) (23401). Paul Godwin's Dance Orchestra,

"Mariner's Song" (Uher) (23650).

11.30: Relay from the Exchange, Dunedin, of the New Year street celebra-

tions.

12.0 : New Year chimes—Pipe selections. A Grand Farewell to the Old

Year, and Greetings in Song and Story to the New.

God save the King.

Friday, January 1, 1932

1YA, AUCKLAND (875 KILOCYCLES)—FRIDAY, JANUARY 1, 1932.

- 12.0 : Results of Auckland Racing Club's summer meeting, and resume of Plunket Shield cricket match, Otago v. Auckland, at Eden Park.
- 5.0 : Children's session, conducted by Nod and Aunt Jean.
- 6.0 : Dinner session.
- 7.0 : News and market reports.
- 8.0 : Chimes. Record—London Palladium Orchestra, "Nautical Moments."
- 8.9 : Soprano—Miss Adele Taylor, (a) "The Dancing Lesson" (Oliver); (b) "April Rain" (Dunhill).
- 8.15: Novelty instrumental—Wally Harrison and His Melody Boys, (a) "I Laughed So Hard I Nearly Died" (Fields-Hall); (b) Steel Guitar solo, "Kohala March" (Awai).
- 8.22: Songs at the piano—Mr. Peter Black, (a) "I Heard You Go By" (Wood); (b) "Off in My Dreams" (Cornelius).
- Whistling—Mr. C. C. Purdy, "The Sunflower Dance" (arr. Purdy).
- 8.30: Novelty piano—Mr. Eric F. B. Waters, "Prudy" (de Rose).
- Xylophone and piano—Mr. Eric F. B. Waters and Mr. Ray Jury, "Bolero" (Moszkowski).
- 8.37: Humour—Mr. Allan McElwain, "Some Humour."
- 8.41: Mandolin—Mr. Wally Harrison, (a) "Latest Hits"; (b) Novelty instrumental—Mr. Wally Harrison and His Melody Boys, "When the Organ Played at Twilight" (Connelly).
- 8.48: Soprano—Miss Adele Taylor, (a) "Sing, Happy Hearts. Sing" (Haydn Wood); (b) "Ma Curly-Headed Babby" (Clutsum).
- 8.54: Record—Syd. Howard and Company, "Our Village Concert."
- 9.2 : Weather report and station notices.
- 9.4 : Xylophone and piano—Mr. Eric F. B. Waters and Mr. Ray Jury, "The Ragtime Robin" (Green).
- Novelty Piano—Mr. Eric F. B. Waters, "Try and Play It" (Ohman).
- 9.12: Songs at piano—Mr. Peter Black, "The Rose of Tralee" (Glover).
- Whistling and vocal duo—The Purdy-Black Duo, "La Serenata."
- Whistling—Mr. C. C. Purdy, "Serenade" (Gounod).
- 9.20: Humour—Mr. Allan McElwain, "Some Humour" (Anonymous).
- 9.25: Record—Herman Darewski and His Ballroom Orchestra, "Old Fashioned Dances."
- 9.31: Sports results.
- 9.40: Programme of dance music by Reg. Morgan and His Orchestra.
- 11.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, JANUARY 1, 1932.

- 10.0 : Chimes. Selected gramophone recordings.
- 11.12: Lecturette—"Fashions."
- 12.0 : Lunch-hour music. Resume of Plunket Shield cricket match.
- 2.0 : Selected recordings.
- 3.30 and 4.30: Sporting results.
- 5.0 : Children's hour. Conducted by Uncle Jim.
- 6.0 : Dinner session.
- 7.0 : News session.
- 7.40: Talk—Mr. C. S. Dempster, New Zealand representative cricketer, "First Test Match."
- 8.0 : Chimes. Overture, 2YA Orchestra (conductor, Signor A. P. Truda). "Zampa" (Herold).
- 8.8 : Soprano—Miss Kathleen Ferris, (a) (With flute obligato) "Lo, Hear the Gentle Lark" (Bishop); (b) "Serenata" (Toselli).
- 8.14: Record—Cornet, Sergeant George Morgan, (a) "For You Alone" (Geehl); (b) "Because" (D'Hardelot).
- 8.20: Piano and Vocal Duo—Mrs. Maud Russell and Mr. Frank Crowther, "Medley of Songs of Not So Long Ago" (arr. Crowther).
- 8.32: Selection—2YA Orchestra, "The Spring Maid" (Reinhardt).
- 8.42: Record—Humour, Frank Crumit, "What Kind of Noise Annoys an Oyster?"
- 8.46: Novelty Instrumental—Mr. Frank Tozer's Hawaiians in selections of Mr. Tozer's arrangement.
- 8.52: Medley—2YA Orchestra, "Baby Stare" (Bloom).
- 9.0 : Weather report and station notices.
- 9.2 : Piano and vocal duo—Mrs. Maud Russell and Mr. Frank Crowther, selection of Popular Community Songs (arr. Crowther).
- 9.16: Soprano—Miss Kathleen Ferris, (a) "Deep In My Heart" (Romberg); (b) "I Love You So" (Lehar).
- 9.22: Novelty Instrumental—Mr. Frank Tozer's Hawaiian Trio in a pot pourri of Hawaiian numbers (arr. Tozer).
- 9.28: 2YA Orchestra, (a) "Hungarian Romance" (Bendix); (b) "Naila."
- 9.36: Relay of dance programme from Adelphi Cabaret, interspersed with recordings from the studio.
- 11.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, JANUARY 1.

- 12.0 : Results Canterbury Park Trotting Clubs races at Addington, interspersed with musical recordings.
- 4.30: Close down.
- 5.0 : Children's hour.
- 6.0 : Dinner session.
- 7.0 : News and market reports.
- 8.0 : Chimes. Record—Herman Finck's Orchestra "Old and New" (Finck).
- 8.8 : Baritone—Mr. Clive Hindle (a) "Drake Goes West" (Sanderson); (b) "I Heard You Singing" (Coates).

- 8.14: Highland Pipes—Pipe Major J. A. Patterson. March: "Leaving Glen Urquhart," Strathspey: "Captain Jack Murray." Reel: "Sleepy Maggie" (Traditional).
- 8.19: Vaudeville—The Two Rascals (a) "Baby Your Mother" (arr. Hegan); (b) "Chin Wag" (arr. Hegan); (c) "Piano Specialty" (Goodland).
- 8.26: Orchestral—Salon Orchestra (Conductor, Francis Bate). Scottish Selection "Culloden" (arr. Albert Goodland).
- 8.35: Soprano—Mrs. Lucy O'Brien, "Love's Own Kiss" (From High Jinks, (Friml).
- 8.39: English Concertina Duo—Theo and Frances Gunther, with piano: (a) "The Pink Lady" (Ivan Caryll); (b) "The Turkish Patrol" (Michaelis).
- 8.46: Record—Choral: Community Singing, Albert Hall, London, "Marching Through Georgia" (Work).
- 8.50: Record—Instrumental: Bell solo with orchestra (a) "Black Forest Musical Boxes"; (b) "Snowdrops."
- 8.54: Humour in Song and Story—Mr. George Titchener, "How I Mean to Propose" (Handley).
- 8.59: Record—National Military Band, "The Birds and the Brook" (Stultz).
- 9.3 : Weather report and station notices.
- 9.5 : Orchestral—Salon Orchestra, two light syncopated pieces (a) "Moon Magic"; (b) "Rose of Samarkand" (Eric Coates).
- 9.14: Baritone—Mr. Clive Hindle (a) "Here's to Love" (Rubens); (b) "Sledge Song" (Folk Song).
- 9.18: Highland Pipes—Pipe Major J. A. Patterson. March: "Highland Rory" (tradl). Hornpipe: "Harvest Home" (MacDonald). Jig: "Irish Jig" (tradl).
- 9.23: Vaudeville—The Two Rascals (a) Song Specialty: "You Can't Make a Fool Out of Me" (arr. Hegan); (b) "More Chin Wag" (arr. Goodland); (c) "Piano and Tap Dancing" (arr. Goodland and Hegan).
- 9.30: Record—Instrumental: Grand Cinema Organ, "St. Petersburg Sledge Drive."
- 9.34: Soprano—Miss Lucy O'Brien (a) "Boat Song" (Ware); (b) "Vale" (Kennedy Russell).
- 9.40: English Concertina Duo—Theo. and Frances Gunther. March: "Repasch Band" (Sweeley), with piano: "Jeannine" (Shilkret).
- 9.45: Record—Choral: Gresham Singers "The Shepherdess" (Macmurrough).
- 9.48: Humour in Song and Story—Mr. Geo. Titchener, "Sarsaparilla" (The Siren of Spain), (Handley).
- 9.55: Orchestral—Salon Orchestra, "New Sullivan Selection No. 1" (arr. Godfrey).
- 10.5 : Programme of Dance Music.
- 11.0 : God Save the King.

4YA, DUNEDIN (650 KILOCYCLES), FRIDAY, JANUARY 1, 1932.

- 3.0 : Chimes. Selected recordings.
- 4.30: Sporting results. Close down.
- 5.0 : Children's session, conducted by Big Brother Bill and Aunt Sheila.
- 6.0 : Dinner music.
- 7.0 : News session.
- 8.0 : Chimes. A bright two hours in Song and Chorus arranged by Mr. Alfred Walmsley, and assisted by an Instrumental Sextet under the leadership of Mr. A. H. Pettitt.
- Instrumental Sextet (a) "Berceuse" (Danube); (b) "Oriental" (Cui) (Chorus: "Morning Flirtation" (Vearize).
- Mezzo-soprano—Miss Betty Hamilton: (a) "Spreading the News" (Oliver); (b) "Welcome June" (Rutter).
- Tenor solo and chorus—Mr. Wm. Bathgate, "John Peel" (tradl).
- Instrumental Sextet—"The Merchant of Venice" (Rose).
- Soprano—Miss May Belcher (a) "Here's to Love" (from "Sunshine Girl"); (b) "Break o' Day" (Sanderson).
- Baritone solo and chorus—Mr. E. Snow (a) "Friendship" (Lohr); (b) "Stout-hearted Men" (Romberg).
- Instrumental sextet—"Gipsy Songs" (Dvorak).
- Alto solo—Miss Phyllis Clare, "Hail Caledonia" (Stroud).
- Tenor solo—Mr. Wm. Bathgate (a) "Julias Garden" (Rogers). (b) "I Heard You Go By" (Wood).
- Mezzo-soprano—Miss Betty Hamilton: "Singing in the Rain."
- Instrumental sextet—"Softly Unawares" (Lincke).
- Alto solo—Miss Phyllis Clare (a) "Rosebuds" (Arditi); (b) "I Wonder if Love is a Dream" (Foster).
- Soprano solo and chorus—Miss May Belcher: "No, John."
- Baritone solo—Mr. E. Snow: "Driver of the 8.15 p.m." (Longstaff).
- Instrumental sextet—"Glow Worm" (Lincke).
- 10 to 11: Dance music.
- 11.0 : God Save the King.

Saturday, January 2

1YA, AUCKLAND (875 KILOCYCLES)—SATURDAY, JANUARY 2.

- 12.0 : Results of Auckland Racing Club's summer meeting, and resume of Plunket Shield cricket match, Otago v. Auckland, at Eden Park.
- 5.0 : Children's session, conducted by Cinderella.
- 6.0 : Dinner session.
- 7.0 : News and market reports. During the evening there will be a relay of a running description of broadsiding from Western Springs Stadium.

- 3.0 : Chimes. March—1YA Chamber Orchestra (conductor, Mr. Harold Baxter), "Galliloto" (Lope).
 Overture—1YA Chamber Orchestra, "Pique Dame" (Suppe).
 Bass-baritone—Mr. Arthur Wright, (a) "The Bandolero" (Stuart); (b) "Star of the Desert" (Bonheur); (c) "Like Stars Above" (Squire); (d) "Oh To Be a Gipsy" (Forster).
 Characteristic—1YA Chamber Orchestra, "Swanee River."
 Characteristic—1YA Chamber Orchestra, "March of the Giants."
 Novelty Entertainment—The Asquiths, "Twenty Minutes' Novelty Entertainment."
 Suite—1YA Chamber Orchestra, "Three African Dances" (Ring).
 Weather report and station notices.
 Soprano—Miss Reta W. MacCullay, (a) "Hail! Caledonia" (trdtl.); (b) "Afton Water" (trdtl.); (c) "My Ain Wee Hoose" (trdtl.).
 Selection—1YA Chamber Orchestra, "Belle of New York" (Kirk).
 Record—Will Kings, "E'sa Wonder" (Burnaby).
 Record, Humorous—Will Kings, "Soused 'Errings."
 Sports results.
 Programme of dance music.
 11.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, JANUARY 2.

- 3.0 : Chimes. Selected gramophone recordings. Resume of Plunket Shield cricket match.
 3.30 and 4.30 : Sporting results.
 5.0 : Children's hour, conducted by Aunt Molly and Uncle Jasper.
 6.0 : Dinner session.
 7.0 : News session.
 8.0 : Chimes. Record—B.B.C. Wireless Military Band, "The Mill on the Rock" Overture (Die Felsenmühle).
 8.8 : Baritone—Mr. R. G. Blow, (a) "Castilian Lament" (Del Riego); (b) "Soul of Mine" (Barns).
 8.14 : 2YA Salon Orchestra (conductor, Mr. M. T. Dixon), "Sanderson's Songs" (arr. Baynes).
 8.42 : Vocal Duet—Miss Bna Rapley, soprano; Mr. Edwin Dennis, tenor, (a) "Oh Maritana" (Wallace); (b) "On the Summit of the Hill."
 8.50 : Record—Humour, "John Henry in Paris."
 8.56 : Salon Orchestra, "Blue Hawaiian Waters" (Ketelby).
 8.46 : Tenor—Mr. Edwin Dennis, (a) "Like Stars Above" (Squire); (b) "Rose Marie" (Friml).
 8.52 : Record—Flute, Emil Prill, "Russian Carnival" (Giardi).
 9.0 : Weather report and station notices.
 9.2 : Talk, Mr. B. S. Merlin (late Major-General in the Tsar's Imperial Army): "My Experiences with the Bolsheviks."
 9.17 : Salon Orchestra, (a) Violin solo, with orchestral accompaniment, "Liebestrued" (Kreisler); (b) "Piano solo, with orchestral accompaniment, "The Clock and the Dresden Figures" (Ketelby).
 9.27 : Baritone—Mr. R. G. Blow, (a) "Invictus" (Huhn); (b) "Vale."
 9.33 : Record, Humour—Jack Payne's Orchestra, (a) "My Brother Makes the Noises for the Talkies"; (b) "Skin a' ma' Link the Sergeant."
 9.39 : Soprano—Miss Bna Rapley, (a) "Pipes of Pan" (Monckton); (b) "Love Will Find a Way" (Fraser Simms).
 9.45 : Salon Orchestra, (a) "Miniature Suite" (Coates); (b) Latest Dance Novelties.
 10.0 : Relay of dance programme from Adelphi Cabaret, interspersed with recordings from the studio.
 11.0 : Sporting summary.
 11.10 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, JANUARY 2.

- 12.0 : Results of Canterbury Park Trotting Club's races from Addington, interspersed with musical recordings.
 4.30 : Close down.
 5.0 : Children's hour.
 6.0 : Dinner session.
 7.0 : News and market reports.
 8.0 : Chimes. Relay of 4YA, Dunedin. Variety programme.
 10.0 : Programme of Dance Music.
 11.0 : God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, JANUARY 2, 1932.

- 3.0 : Chimes. Selected recordings.
 4.30 : Sports results. Close down.
 5.0 : Children's session, conducted by Annt Anita.
 6.0 : Dinner music.
 7.0 : News session.
 8.0 : Chimes. Variety programme presented by "The Gaiety Troup," under the direction of Mr. Edward Mee, and assisted by the Instrumental Octet, conducted by Mr. A. H. Pettitt.
 Overture—Instrumental Octet: "The Merry Wives of Windsor"
 Chorus—"Ta ra ra Boom de a" (Sayers); (b) "Good Old Jeff" (trad.)
 Instrumental sextet (a) "Persian March" (b) "In a Chinese Tea Room" (c) "Among the Arabs" (Langley).
 Vocal duets—Edward and Violet Mee: "Loves Litany" (Norton); (b) "Half Past Two" (Talbot).
 Soprano solo and chorus: (a) "My Mother's Old Red Shawl" (Moreland); (b) "Two Little Girls in Blue" (Graham).
 Tenor solo and chorus: (a) "Sweet Genevive" (Tucker); (b) "The Man who Broke the Bank" (Gilbert).

- Instrumental sextet—"You're in Love" (Frime); (b) "Serenade D'Amour (Von Blon); (c) "Angelus" (Massinet).
 Vocal duets—"Wild Thyme" (Brahms); (b) "Charming Weather."
 Quartet—"Little Brown Jug" (M.S.S.).
 Baritone solo and chorus: (a) "The Miner's Dream of Home" (Dryden); (b) "Little Old Log Cabin" (trad.)
 Instrumental sextet—(a) "The Tiger's Tail"; (b) "When Malindy Sings"; (c) "The Watermelon Fete" (Thurban).
 Chorus—"There is a Tavern in the Town" (Hall).
 Instrumental sextet: "Two Hindoo Pictures" (Trotter).

- 10.0 to 11: Dance music.
 11.1 : God Save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SATURDAY, JAN. 2, 1932

- 7.30 to 8: News and information.
 8 to 10: Studio Concert.

Sunday, January 3

1YA, AUCKLAND (875 KILOCYCLES)—SUNDAY, JANUARY 3.

- 3.0 : Selected recordings and literary selection.
 6.0 : Children's song service, conducted by Uncle Leo.
 7.0 : Relay of service from St. Matthew's Church. Preacher: Rev. C. H. Grant-Cowen. Organist and choirmaster: Mr. J. H. Philpott.
 8.30 : Relay of Municipal Band concert from Albert Park. Conductor: Mr. George Buckley.
 March—The Band, "Old Panama" (Alford).
 Overture—The Band, "William Tell" (Rossini).
 Cornet Duet—Messrs. F. Bowes and J. Davies, "Birds of the Forest."
 Selection—The Band, "More Melodious Memories" (Finck).
 Piccolo—Mr. Hal. C. McLennan, "Sparkling Dew Drops."
 Selection—The Band, "The Gondoliers" (Sullivan).
 Rhapsody—The Band, "Hungarian No. 2" (Liszt).
 Hymn—The Band, "A Few More Years Shall Roll" (Bidgood).
 March—The Band, "Martial Moments" (Winter).
 10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, JANUARY 3.

- 3.0 : Selected gramophone recordings.
 6.0 : Children's song service, conducted by Uncle George, assisted by the children's choir from St. Aiden's Sunday School.
 7.0 : Relay of service from the Salvation Army Citadel. Preacher: Lieutenant-Colonel Burton.
 8.15 (approx.) : Studio concert. Record—London Symphony Orchestra, Norwegian Dances: (1) "Allegro Marcato." (2) "Allegro Tranquillo," (3) "Allegro Moderato," (4) "Allegro Molto" (Grieg).
 8.31 : Baritone—Mr. William Watters (Wanganui), "Prologue from Pagliacci" (Leoncavallo).
 8.36 : Soprano—Miss Naomi Whalley (Palmerston North), (a) "Nursery Rhymes" (Pearl Curran); (b) "If My Songs Were Only Winged."
 8.42 : Record—Piano, Vladimir Horowitz, (a) "Capriccio in F. Minor"; (b) "Valse Oubilee."
 8.50 : Vocal Duet—Miss Naomi Whalley and Mr. William Watters, "Graceful Consort" (from "The Creation"—Haydn).
 8.54 : Record. Violin—Fritz Kreisler, "La Precieuse" (Couperin, arr. Kreisler); "Chanson Louis XIII."
 9.0 : Weather report and station notices.
 9.2 : Baritone—Mr. William Watters, "It is Enough" ("Elijah").
 9.7 : Record. Instrumental—J. H. Squire, Octet, (a) "Amina"; (b) "Song of the Celeste."
 9.13 : Soprano—Miss Naomi Whalley, "One Fine Day" (from "Madame Butterfly"—Puccini).
 9.17 : Record. Instrumental—New Light Symphony Orchestra, Selection from "Princess Ida" (Gilbert and Sullivan).
 9.25 : Baritone—Mr. William Watters, (a) "On Away, Awake" (Cowen); (b) "To a Messenger" (La Forge).
 9.31 : Tenor—Michele Fleta, (a) "Aida" (Verdi); (b) "Favorita."
 9.40 : Soprano—Miss Naomi Whalley, "On Mighty Pens" (from "The Creation"—Haydn).
 9.45 : Record. Instrumental—Cedric Sharpe Sextet, (a) "Valse Blurette"; (b) "Les Tresors de Columbine" (Drigo).
 9.51 : Vocal Duet—Miss Naomi Whalley and Mr. William Watters, "On Wings of Song" (Mendelssohn).
 9.55 : Record. Instrumental—Edith Lorand's Orchestra, "Tales of Hoffmann" Selection (Offenbach).
 God save the King.

3YA CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, JANUARY 3.

- 3.0 : Gramophone recital.
 4.30 : Close down.
 5.30 : Children's song service by children of the Methodist Sunday School.
 6.15 : Chimes.
 6.30 : Relay of evening service from the St. Albans Methodist Church, Rugby Street. Preacher: Rev. E. B. Chambers. Organist: Miss Clarice Bell. Choirmaster: Mr. W. Simpson.
 7.45 : Selected recordings.

- 8.15: Approx. Studio programme. Record: Overture New Symphony Orchestra "In Memoriam" (Sullivan).
 8.18: Bass—Mr. T. D. Williams, "True is All Iago Says" (Hiawatha), (Coleridge-Taylor).
 8.26: Harp—Mr. H. G. Glaysber, "Deux Morceaux" (Alfred Kastner).
 8.32: Soprano—Miss Addie Campbell (a) "Only the River Running By" (Hopkins); (b) "Solveig's Song" (Greig).
 8.37: Orchestral—Salon Orchestra (Conductor, Mr. Francis Bate). Carmen Suite: (a) "Prelude"; (b) "Aragonaise"; (c) "Intermezzo"; (d) "Les Dragons D'Alcara"; (e) "Les Toreadors". (Bizet. arr. Roberts).
 8.49: Tenor—Mr. Ernest Rogers (a) "Serenade" (Schubert); (b) "All Hail Thou Dwelling" (Faust), (Gounod).
 8.56: Violin solos—Record: Y. Bratza (a) "Serenade Basque" (Dunhill); (b) "Serenade Espagnole" (Chaminade-Kreisler).
 9.2: Record—Glasgow Orpheus Choir, "Great God of Love" (Pearsall).
 9.5: Weather report and station notices.
 9.7: Piano—Miss Bessie Pollard, with Salon Orchestra. "Concerto in G. Minor" (Saint Saens).
 9.12: Bass—Mr. T. D. Williams (a) "Rage! Thou Angry Storm" (Benedict), (b) "I Heard Your Voice" (Forester); (c) "The Wanderer's Song" (Harrison).
 9.32: Harp—Mr. H. G. Glaysber, "Sur le rive de le mer" (Upon the Seashore), (Aburthur).
 9.38 Soprano—Miss Addie Campbell, Shadow Song "Ombra Leggiera" (Dinorah), (Meyerheer).
 9.45: Record—Cello solo: G. Cassado "Apres un Reve" (Faure).
 9.49: Tenor: Mr. Ernest Rogers (a) "Song of All the Ages" (Squire); (b) "To the Moon" (Voergli).
 9.55: Record—Glasgow Orpheus Choir. "Dim Lit Woods" (Brahms).
 9.58: Orchestral—Salon Orchestra: Three Arabian Dances (Montague Ring); (a) "Caravan"; (b) "By the Fountain"; (c) "The Bedouin".
 10.8: God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY JANUARY 3, 1932.

- 3.0: Chimes. Selected recordings.
 4.30: Close down.
 5.30: Children's Song Service, conducted by Big Brother Bill.
 6.15: Instrumental recordings.
 6.30: Relay of evening service from Knox Presbyterian Church. Preacher: The Rev. Mr. D. C. Herron.
 7.45: Selected recordings.
 8.15: Relay of concert programme from 3YA.
 10.0: God Save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, JAN. 3, 1932.

- 7.30 to 8.15: Church relay.
 8.15 to 10: Studio Concert.

Presto Local Receiver

(Continued from page 17.)

clamp by the gap, which is 1-16in. each side. This choke will drop only 14 volts when passing 40 m.a.

The winding consists of 7000 turns of 32 s.w.g. enamelled wire, tapped at the 3500th turn for connection to a 1mfd. smoothing condenser of 400 volts working. The quantity of wire is 1½lb.

The choke is preceded by a 2mfd condenser and followed by 4 mfd.s., both 400 volts working.

Insulate the choke well round the core, and before tapping half-way, cover the whole winding with tape, to prevent any subsequent turns contacting early ones; insulate the tapping, and continue winding, the wire being simply "run in" without paper strips, and not in layers.

It should be mentioned here that the "gap" given in choke specifications is for the maximum current to be passed, and to this condition the given inductance also applies. As the amount of current passed is reduced, so the inductance rises, and if the current is much below the maximum, the gap may be slightly reduced, thus further increasing the inductance. In this case the choke will be carrying nearly the maximum current—40 mills.

There is ample space for the choke behind the transformer, and the only

precaution as to its position is that the central core must be at right-angles to that of the transformer, which means that the axis of the spool must be vertical. The choke need not be fastened in position, and if all leads are of rubber flex and sufficiently long the choke may be withdrawn at any time for examination. If the 280 is first withdrawn from its socket.

A lead comes from the 280 centre-tap to the choke and 2 mfd. condenser below. At the output end a lead runs down to the 4 mfd. condenser, and up above to the resistor chain ½-meg. Insulate all joints so that there is no chance of a "short" in the shielding.

The Change-over Switch.

FOUR variable condensers of the bakelite or mica dielectric type, .0005 mfd. capacity, are placed upon the panel. When receiving one local station, the top pair of condensers will be used for tuning if the switch is in the top position, and when the switch is down, the two lower condensers are brought into action.

The main part of the switch is a piece of ebonite tube (rod could be used) 5-8 or ½in. diameter. The actual diameter used was 5-8in., and it was found that a 3-8in. brass tube would just fit inside. Two pieces ½in. long were sawn off the brass tube and soldered in position on the brass uprights to act as bearings. Failing the brass tube, brass sheet could be coiled round and soldered on. If ebonite rod is

LIST OF PARTS

FOR "PRESTO" LOCAL RECEIVER

4 Dielectric Variable Condensers, .0005, with knobs.
 Smoothing Condensers, 400 working: 4mfd., 2mfd., 1mfd., one each.
 By-pass Condensers: Three ½mfd., two mica .008; three 1mfd. 800 test.
 Resistors: R.F. screen 30,000 and 70,000; 15,000, 20,000, 450 wire wound. Compo.: Two ½meg., one 2meg., one ½meg.
 Reaction Condenser, dielectric, variable, .0002.
 Standard Voltage Divider, 15,000 ohms.
 Two R.F. Chokes, b/c.
 Valve Sockets: Two 5-prong, two 4-prong.

Jack (4 points) and Plug (if required).
 Coil Formers, 2in. diam., two pieces 3in. each.
 Two Balancers, 20 ohms.
 Output Transformer, 30 m.a. primary. Stalloy, 1½in., 4 doz. 3ft. lengths.
 Clamps and Bolts for cores.
 1½lb. 32 enam. for Choke.
 ½lb. 28 enam.; ½lb. 36 enam., and 18 and 20 d.c.c. or enam. for Transformer.
 Switch: 6in. ebonite tube, ½ or ⅝, 18 brass.
 Aluminium, 16 or 18 gauge.
 Nuts, screws, adhesive tape, mica strip, solder, wiring-up flex, flex and plug for A.C. connection, res. wire, stain, wood, etc.

used, drill each end 1-8in. and solder a 1-8in. bolt through a 1-8 hole in the brass upright.

Two pieces of ½in. ebonite are required, 1 by ½in., cut as squarely as possible. These are attached to the brass uprights with the lower side 3-8 in. above the base. To each ½in. side is attached a strip of 24 brass as shown, fastened by two 1-8in. bolts ½in. long.

For those who have not so far attempted to tap holes for screws it

will be necessary to explain how this simple process is carried out. A 1-8in. tap is purchased, costing not more than 1/-. The correct drill to use with this is 3-32in. Any hole to be tapped is first drilled with the drill mentioned, then the tap is put into the drill chuck and placed in the hole, turning just as for a drill. The only precautions to be observed are that turning must not be continued after the end of the tap reaches the bottom of the drilled hole, or the thread will be stripped. In hard metals the tap may be worked backwards and forwards to facilitate cutting the thread. Taps are more brittle than drills, so a little more care is required to prevent side-strain.

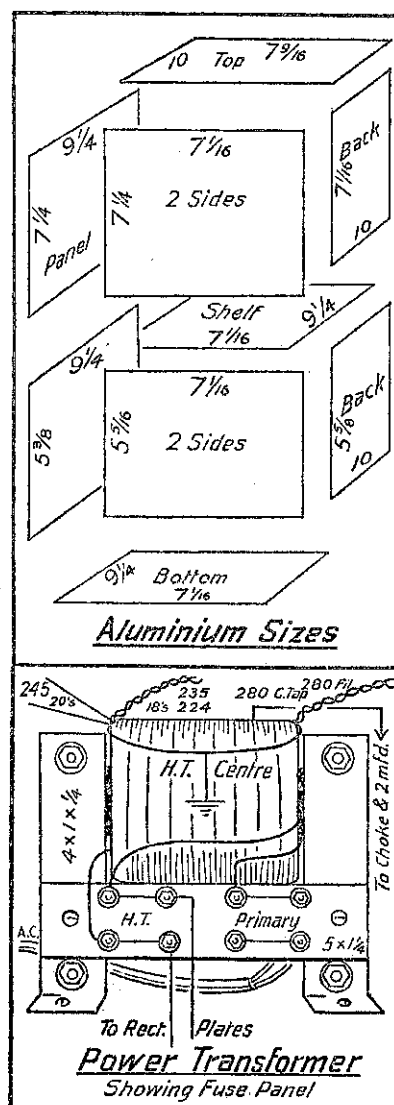
Four strips of 24-gauge hard brass 2in. long and 3-16in. wide will be required. These are soldered to the strips attached to the ½in. ebonite, as shown in the diagrams. One of these springs is attached by a wire to the slator of one of the tuning condensers.

On the ebonite tubing, four round-headed brass screws are placed, two to engage each pair of springs. The position of the two screws is at 90 degrees around the tubing, so that one is contacting a spring when the other has lost contact with its corresponding spring. Half-an-inch toward the centre a hole is tapped to take another screw, upon which two nuts hold a solder-tag to which the grid connection is made. Clean up a piece of 24-gauge wire and with it connect up the last-named screw with the two contact screws by soldering, or by nuts on the latter. The wires must run out sideways from the contacts.

The switch handle is a strip of ebonite 2in. long, tapered from 5-8in. to ½in., and attached to the ebonite tube by two brass brackets. A hole is also drilled and tapped in the end of the handle to take a screw through the ebonite tube.

The front of the ebonite tube is ½in. from the panel.

A diagram suggests an alternative type of switch that some constructors may prefer, although it occupies no less space than the one already shown. (To be concluded next week.)



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Public Relations

(Continued from page 7.)
unanimously resolved:—"That this committee places on record its high appreciation of the work of the staff for the help and co-operation that has at all times been so readily given to them, and records also a special word of thanks to the secretary of the committee (Mr. J. Ball)" and "That a record be made of the thanks of this committee to the organiser for the excellent work she has done, and to the ladies and gentlemen who in the voluntary capacity of aunts and uncles have given so generously of their time and talents for the benefit of the thousands of unseen young folk whom they have served so well."

It was also resolved that Messrs. Carpenter and Morgan be nominees of the committee as North Island members of the proposed Advisory Council.

AT the largely attended meeting of the 3YA Children's Session Advisory Committee, the following were present: Mr. D. E. Parton (Y.M.C.A.) (in the chair), Rev. F. Tooley (Uncle Frank), Messrs. A. J. McEldowney (Y.M.C.A.), E. J. Ward (Uncle John), V. French (Presbyterian Social Service), R. J. McLaren (Uncle Dick), A. G. Thompson (Uncle Alf), W. A. Rumbold (Headmasters' Association), D. Dickson (Junior Scottish Society), J. Mackenzie (Station Director), K. Atkinson (Administrative Staff), C. S. Booth (Chuckie), Mesdames R. J. McLaren ("Ladybird" and National Council of Women), A. Tomlinson (Society for Protection of Women and Children), D. James (Welsh Society), B. McEachern (Cousin Beatrice), J. Schenkel (Mothers' Union), S. Parr (Mother Hubbard), Misses K. Scotter (Boy Scouts), and M. Hall (Secretary and Children's Organiser). Apologies were received from the general manager, Mesdames Meddings and Williams and Mr. W. Thomas.

On the motion of Mr. French, seconded by Mrs. McLaren, it was unanimously resolved that a letter be sent to the general manager expressing the thanks of the committee and expressing regret that it is the end of the committee's service to the company.

It was further resolved on the motion of Mrs. Parr, seconded by Mrs. McLaren "That our appreciation of the very efficient services of the Children's Organiser, and the pleasure of the Aunts and Uncles in working with her, both in the studio, and on the Advisory Committee be placed on record. This motion was carried with musical honours."

AT the meeting of the 1YA Musical and Dramatic Advisory Committee the following were present:—

Messrs. A. B. Chappell (Dickens Fellowship) (in the chair), C. Tucker (Radio Dealers' Association), V. Trask (Athenian Club), E. D. Robins (University Students' Association), O. Jensen (Society of Musicians), E. B. Elterm (Lays Institute), W. H. Graham (Grafton Dramatic Club), E. Blair (W.E.A.), F. L. Armitage (Little The-

atre Society), L. E. Lambert (Bohemian Orchestra), and F. M. Price (Aeolian Orchestra), Misses G. Bertram (League of New Zealand Penwomen) and J. Parker (Piano Students' Association), Messrs. H. C. Trim (Programme Organiser), and L. C. Barnes (Station Director). Apologies were received from Messrs. W. Colman, J. F. Montague and C. B. Plummer. The chairman made reference to the resolution passed at the previous committee meeting, expressing appreciation of the co-operation of the company.

On the motion of Mr. Tucker, seconded by Mr. Lambert, the committee unanimously passed a resolution expressing appreciation of the enthusiasm, ability and diligence of the staff, of their courtesy and helpfulness and the pleasant relationships throughout their and their predecessors' terms of office.

AT the meeting of the 2YA Musical and Dramatic Advisory Committee there were present: Messrs. E. Palliser (chairman), L. J. Retallick (Apollo Singers), J. Carr (Charley's Aunt Club), R. Lyon (Ophan's Club), W. P. McLachlan (Competitions Society), W. A. Jamieson (Theatrical and Operatic Society), H. B. Robb (Orpheus Musical Society), V. R. Bennett (Harmonic Society), I. M. Levy ("Radio Record"), and J. Ball (Station Director).

On the motion of Mr. Retallick, seconded by Mr. Levy, it was unanimously resolved that the committee before disbanding, express its appreciation of the Radio Broadcasting Company in recognition of the pleasant association with the company, and of the many courtesies received at its hands. Further appreciation was expressed of the 2YA staff and regret at severance of what has been a very pleasant association.

The chairman expressed his personal appreciation of the many courtesies extended by members.

AT the meeting of the 3YA Musical and Dramatic Advisory Committee the following were present: Messrs. S. Williamson (Musicians' Society) in the chair, G. Manning (W.E.A.), W. H. Dixon (Royal Christchurch Musical Society), H. J. Loughnan (Male Voice Choir), K. Atkinson (Administrative Staff), and J. McKenzie (Station Director).

On the motion of Mr. Loughnan, seconded by the chairman, it was unanimously resolved, "That this committee desires to place on record its appreciation of the assistance the company has extended through the subsidy scheme to the societies represented, and is grateful for the enthusiastic manner in which the company has acted on all suggestions made by this committee."

On the motion of Mr. Dixon, seconded by Mr. Manning, a vote of thanks was carried to the officials who met them around the table in committee, and Messrs. Booth, Mackenzie and Atkinson, and Miss Evans, were wished the best of luck.

The meeting accorded the chairman a vote of thanks and appreciation for the way he had conducted the meeting.

Picnic Portable

(Continued from last week.)

MAKE sure that all holes drilled in the aluminium baseboard have been smoothed off with a larger drill. This is important, for the sharp edges left are quite likely to cut through the insulation and cause serious shorts.

After making sure that the "B" battery voltages are only across points that they should be, connect aerial, earth and speaker, not worrying about the frame antenna for the present, and insert the valves and coils.

If the set is operating correctly, and a good aerial and earth is used, it

tion should be firmly secured in place with two strips of wood, one at each end of the panel, as shown in the photograph. It is advisable, before slipping the set into position, to place at the bottom of the cabinet a piece of thin rubber matting or corrugated cardboard, to absorb any jolts to which the set might be subjected.

In the four corners of the lid pieces of wood $\frac{1}{2}$ in. square section are mounted of such a length that the speaker baffle, when in position, fits flush with the sides. The baffle is fastened to these means of four screws.

The next task is to prepare the speaker baffle, which is built of ply wood. Constructors will have to use their own ingenuity largely in this matter, as with different types of loudspeaker units, different schemes of fretwork decoration will have to be adopted, because the mounting screws of the unit will not be in the same positions in every case. The main point to watch is that the driving rod is in the exact centre of the baffle. The speaker used in our model had an aluminium chassis; but all of this, with the exception of the portion holding the cone itself, was cut away to prevent it having any harmful effect on the inductance of the frame antenna. This rather drastic step, however, is not absolutely necessary, as the difference in efficiency is only slight.

The loudspeaker cord is taken out through a hole in the fretwork and is held in position round the side of the cabinet by means of small staples. This is clearly shown in the photograph. The fretwork is covered at the back with brown silk, the unit then screwed in position, and the loudspeaker cone mounted. Do not forget to attach the driving rod securely to the cone.

The next task is to build the frame on which the antenna is wound. This consists of four pegs, three inches long, braced by thin slats. A number of saw cuts, placed 1-8 in. apart, are made in each of the pegs to hold the windings in place. The wire used is either 23/36 silk covered frame antenna wire, or Litz wire. One end is attached to the bottom right hand peg, close in to the baffle, and the winding commenced. Twenty-four turns are put on, and the wire then anchored to the peg from which the winding was commenced, and both ends are taken out from the set through a hole made by cutting the bottom right hand corner of the baffle off. One of the ends is connected to the chassis of the set, and the other is taken to the correct terminal of the three-point switch. The baffle board is now placed into position and screwed down.

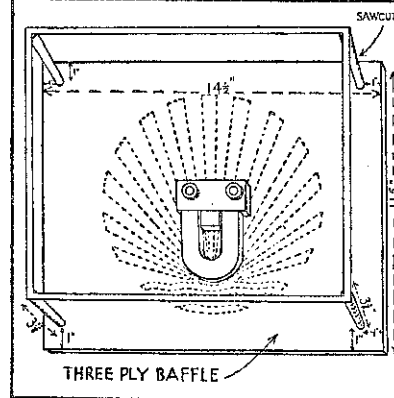
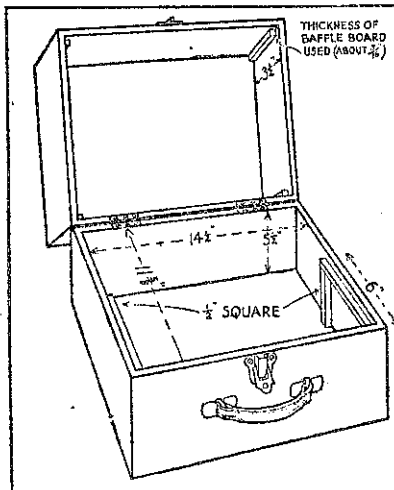
To make the job neater, the loudspeaker cord is taken to a cord connector mounted between the set and the "B" battery, on the left-hand side of the cabinet and about 2 in. from the bottom.

The Set's Capabilities.

GOOD loudspeaker strength may be expected from the "Picnic Portable," 30 or 40 miles distant from a powerful station, and, when using a temporary aerial slung between two trees and an earth, over much greater distances, which will, of course, depend upon the efficiency of the aerial.

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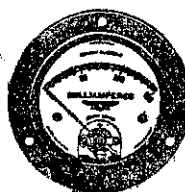
The carrying case and rear view of the speaker.

should be possible to tune in on the speaker a number of the larger Australian stations, though it must be remembered that with the approach of summer, dx conditions are in general growing more unfavourable. When the set is going all right it should be laid aside and the work commenced on the cabinet, speaker baffle and frame antenna.

The Cabinet and Speaker.

THE next job to tackle is that of making the cabinet, the speaker baffle, and the frame for the antenna.

The cabinet should be built to the dimensions given in the sketch. Note that these are all internal. Light timber, 3-8 in. thick, should be used. If the constructor has had no experience in woodwork, it would perhaps be better to have this portion of the set built by a cabinetmaker. The set slides into the cabinet on two half-inch square section pieces of wood screwed to the sides of the cabinet, and when in posi-



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French Hammer— German Anvil

(Continued from page 11.)

pacifists are rather few. There is no need to bring them together for agreement. It is the more or less convinced patriots who benefit most from these experiences, and very striking changes are wrought in the outlook of many of them.

The Ruhr Problems.

TILL the 19th century, both countries were economically almost self-contained. But the discovery of coal and iron in a belt traversing, in defiance of frontiers, first Belgium, then Northern France, the German Ruhr Valley, Luxembourg, Lorraine and Alsace has made the heavy industries of that region virtually one.

The big industrialists have been far ahead of the politicians in their perception of the need for unity, and had formed a syndicate on international lines in 1925, when political relations were most strained. Till the Great War, France was not nearly on a par with Germany as an industrial power in Europe. Two factors have contributed to make her so: First, in the peace treaty with Germany and the other vanquished powers, she inserted a clause ensuring for herself treatment equal to that of the most favoured nation.

Secondly, when Germany fell short in her payments of reparations, she had already virtually rebuilt on modern lines France's northern industrial region, and to make good a deficiency of only 1.5 per cent. in the reparation payments, France was able to seize and paralyse the key German industries of the Ruhr.

Later, when the value of these industries depreciated with the fall of the mark, many French industrial magnates were able to acquire large interests in the German concerns threatened with bankruptcy. When, or if, business returns to normal, Germany can scarcely help reaping the lion's share of the industrial direction of the Continent. But France can hardly slip back to self-sufficiency

Poland, and the other clients of France, they talk about "storm troops" and "revenge," and in the hectic rush for recruits among the new poor and the discontented they can outbid the Communists, for they have so much more money at their disposal. But their activities are looked at askance across the border, where they raise much disquiet.

And thus, while the nationalist Germans are called into being to watch the Communists, the Nationalist French are organised to keep the Nationalist Germans at bay. If they confined themselves to their occasional violent crimes and outbreaks, and to dispensing abundance of east wind for the public belly, the results would be tolerably bad. But the extreme Nationalists on each side have a preponderating say in politics, and because of the fancied or real menace of Communism, each Government imagines, rightly or wrongly, that their best course lies in bolstering up these so-called "patriots."

Strained Relationships.

THIS gives us the clue to the main political relations between the countries since the war. They are more strained at present, probably, than at any time since the occupation of the Ruhr. Briand, who seemed unshakable as French Foreign Minister, has lost a great deal of ground in his own country, and the conciliation policy elaborated by him and the late Dr. Stresemann is being less and less followed, both in France and in Germany. The policy is just as sound as ever, but the accession to greater power of the right-wing nationalists in both countries has vitiated it.

The French Parliament senses a nationalistic revival in the electorates, and the elections are due to take place next May. In the meantime the members lose no opportunity of stressing the "sacred and inalienable right" of France to full reparations, the need for watchfulness lest Germany should re-arm, and the determination of France to control all attempts at unifying Europe.

At the debates during the past year, when such questions as the Hoover plan, the French dreadnought to reply to the German "pocket battleship," and the Austro-German Customs Union, Briand has sat absolutely dumb, though he seemed clearly the man most fitted to give a lead. His cause was lost before the debate began, because of Governmental commitments to the extremists. But the Government would never have listened to the nationalists, had not their opposite

numbers in Germany been going to more and more violent and threatening lengths. Meanwhile, European union, which all the Continent urgently needs, is languishing. Germany is geographically and economically marked out to be the keystone of such a union; but psychologically she is quite unfitted; she creates apprehension instead of confidence. France has not the situation, nor the organising ability to carry through a move of that sort, but her prestige among the lesser powers of Europe gives her a valuable card to play.

Single-handed, neither of them can achieve what William II and Charlemagne on the one hand, and Napoleon and Louis XIV on the other, dreamed of and failed permanently to effect. Perhaps, while France and Germany are blinded by the dust of their own dispute, the grandiose descendant of Julius Caesar, or the newer godsons of Peter the Great and Lenin, will make their dreams a reality.

But it is not yet too late for the moderate elements on each side of the Rhine to join forces, and, after taking in hand those primitive elements among them that have been left untouched by the onward sweep of liberal ideas, or debased by war and privation, follow out a policy of forward-looking co-operation for the good of Europe and the world.

There is also the hope that the captains of industry will realise that their interests do not lie in the direction taken by the extremists whom they secretly support. Most of all, perhaps, we can take hope from the many individuals who have crossed the frontiers, mental as well as geographical, and seen and felt for themselves what the possibilities of reconciliation are. Six months before the Hoover Plan was proposed, a young Frenchman, a returned soldier who had travelled in Germany, proposed in a weekly review a plan very similar to Hoover's own.

It was not accepted, but the initiative was there, and others may be bold to carry on, where present leaders are timorous. The words of another leader, of the new world, have special significance for the old: "We are not enemies, but friends. The golden chords of memory, reaching back from every battlefield to every heart and hearthstone in this vast continent will yet swell the chorus of union, when breathed upon, as surely they will be by the better angels of our nature."

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DX Programmes

Large numbers of DX'ers throughout America, and especially those living near the Pacific Coast, listened in to the special programme broadcast by 2YA at the request of The Round the World DX Club on Saturday, October 17. The Broadcasting Company has received a very large number of letters from American listeners who heard 2YA on this occasion. The event was well advertised throughout the States, both in the papers and over the air, and many an enthusiastic dx'er must have sat up all night trying to pick up the Wellington station. Many of the correspondents have been greatly struck by the fact when they were on to 2YA at 3 a.m. 2YA appropriately played "Three O'Clock in the Morning."

By arrangement with the New Zealand secretary of The Round the World DX Club, Mr. Spence Ellis, of Okato, Taranaki, special dance programmes were broadcast by 1YA Auckland, and 3YA Christchurch, on December 10 and 16 respectively, for the benefit of dx'ers on the other side of the Pacific.

again, and the destinies of the two countries economically must remain fairly closely interwoven.

Alsace Lorraine.

IT is most interesting to see how internal conditions in Germany affect France, and, to some extent, French conditions react on Germany. Germany has carried out a thoroughgoing policy of industrialisation, and, since the war, tempered the harsh conditions of life and work of the masses by much social legislation, raising wages, supplying insurance and unemployment relief on the highest scale. France, less industrialised, is following suit very slowly. The recaptured provinces of Alsace and Lorraine are far ahead of the rest of the country in this respect, owing to their German administration.

Political Forces.

IN Germany, however, the industrial system is strained almost to breaking point, and the great industrialists, between closing markets, rising production costs, and growing discontent of the workers, do not know where to turn.

It is not necessary to waste any sympathy on them; they have a knack of getting out of such difficulties, whoever else does not. What is important is the means they choose to combat the Reds of all shades, whom they recognise as their chief enemies. They subsidise the nationalistic forces, symbolised rather than led by the adventurer Adolf Hitler, that they may be a thorn in the side of the Communists. In this they certainly succeed; but they do not stop there.

They make wild gestures on the Mussolini model against France, against

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Day and Night Service



Short-wave Notes

El Prado, Ecuador.

EL PRADO Riobamba, Ecuador, on 39.5 metres, transmits a programme every Sunday from 4 p.m. to 6 p.m., N.Z. summer time.

HKA, Colombia.

A **LETTER** was received from Senor Jesus Amortegui P., the owner-operator of shortwave station HKA, a few days ago, in reply to a report on reception of this station of a special transmission on September 27.

The letter was in Spanish, which reads as follows:—

"Very esteemed Senor.—For the present I give you my many thanks for your very kind letter of September 27, giving your impressions of this station on that morning. It would be a great favour if you will try to hear HKA on Tuesday, Wednesday, Saturday and Sunday, from 12.30 p.m. to 1.30 p.m., N.Z. time, on 21 metres, and from 1.30 p.m. to 2.30 p.m., N.Z. time, on 41.5 metres, and send me the result.—Thanking you, anticipation, for your favour,

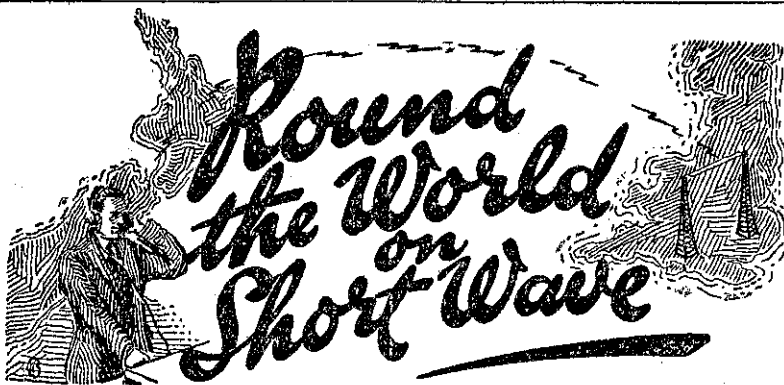
"J. AMORTEGUI P."

The above schedule apparently cancels the previous one, as this was given as the same days, from 1 p.m. to 3 p.m., on 49 metres.

Mr. Page Taylor, of Detroit, gave me some particulars of the special test put over by HKA on September 27. He says: "HKA is a small station, like NRH, seven and a half watts (if he sends you a photo—which he did) you will notice a 50 watt tube on top, but he uses that for a modulator. I don't know why, but he does. He uses a 210 as R.F. amplifier, and previous to September 27 he had only been reported in three different countries.

"A gentleman in Chicago, Mr. W. H. Reeks, and myself, determined that he should add many new countries to his log, so, between the two of us, we notified listeners in nearly every civilised country in the world. We took the names and addresses of everyone mentioned by Senor Cespedes in his book, 'We and Little N.R.H.' We don't know the result of our labours yet, as all the reports are not in yet. Yours is the greatest distance so far, and I believe it will be the greatest distance recorded for this test. Countries that have reported up to the present time are United States, Colombia, Venezuela, Costa Rica, Peru, England, France and New Zealand.

"We heard the test very well in Chicago, and heard the announcer call your name twice. In the middle of the programme he read the names of everyone notified by me and Mr. Reeks, and during the programme selections were dedicated to certain persons. The first selection in the programme was dedicated to Mr. Les-



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.

lie Jones, and another was dedicated to you.

"I was glad to know that you were able to hear Sr. Amortegui, or rather his announcer, Sr. Illeru. Amortegui understands only Spanish.

The New Year on Shortwaves.

THE owner of a shortwave receiver is able to "see the New Year in" a number of times, conditions permitting, by tuning-in to various stations as the local time of the country approaches midnight.

After leaving New Zealand and Eastern Australia, midnight arrives at the following countries where there are short-wave transmitters broadcasting regular schedules:—Siberia, RU15, 3 a.m. (N.Z. summer time), Tokio, J1AA, 3 a.m.; Java, several stations, 4.45 a.m.; Saigon, F31CD, 5 a.m.; Moscow, RV59, 9.30 a.m.; Nairobi, VQ7LO, 9.30 a.m.; Rome, 12RO, and Zeesen, 11 a.m.; Chelmsford, G5SW, 12 noon; and then to New York, where there are a number of stations, 5 p.m.

From here a trip is made westward to San Francisco, midnight at the latter being 8 p.m. the following day in New Zealand. Last year W2XAF, 31.48 metres, was linked up with various stations across the United States, and the New Year followed across the continent from New York to Chicago, then to Denver, and then on to Los Angeles and San Francisco.

It is not likely that conditions will be suitable to hear all the above countries, or the time convenient, but it will be interesting to try, and quite a novelty to hear the New Year in other countries several hours after New Zealand.

Reception During Week Ending December 17.

CONDITIONS have been very poor the last few days, plenty of static and weak signals from most stations.

In spite of conditions, two old friends were heard for the first time for several weeks.

12RO, Rome, on Thursday and Friday mornings, was about R7—8 at 7.30 a.m. On Thursday, volume was up to R9 by 8.30 p.m., but had faded right out by this time on Friday.

Zeesen was heard on Friday, being R7—8 from 6.45 a.m. to 7.30 a.m., but very gushy.

Radio Maroc is another station that has returned. On Monday, at 8 a.m., they were R8—9, fading and static spoilt reception. It is strange that when regular stations go off, others which have not been heard for a time, come to light.

The 49—50 metre American stations have suddenly gone off in volume.

The only stations worth while during the past few days have been RV15, which continues to be good every evening, sometimes soon after 7 p.m.

ZL2ZX, of course, cannot help but come in strongly, as they are only a mile or two away.

3XL, Boundbrook, was R9 on Sunday from 4.30 p.m.

VK3ME, Melbourne, was one of the best, being R9 on one stage of audio on Saturday.

VK2ME, Sydney, on Sunday was quite good.

PLW, Java, at 10.45 p.m. on Tuesday, was R9, with records, before commencing duplex telephony.

F31CD, Saigon, is good soon after 11 p.m., but static has been bad.

HKD Testing.

ADVICE has been received from the N.Z. Short-wave Club from information supplied by Mr. Arthur Stevens, of Hawera, that HKD, Barramquilla, on 51m., will be testing at the following times: Tuesday, December 22, at 9 p.m. Friday, December 25, at 5 p.m. Tuesday, December 29, at 9 p.m. Friday, January 1, at 5 p.m.

N.Z. Short-Wave Club Notes

The Secretary Writes

MUCH to my regret, I have to state that permission has been refused the club to broadcast notes. The reasons given are that our short announcements will be likely to cause interference and that it is thought there is not enough interest taken in what we have to offer. Personally, I have listened-in to our local member, and have noted the swarm of whistles, both loud and low, waiting to hear the news. It may be truthfully said

that there are thousands of short-wavers in New Zealand, and daily the numbers are increasing. Not only that, but, by the enthusiasm of set-owners, the authorities are benefiting by additional license fees, and also by increase in the postal revenue, so that, to encourage a club such as this, would ultimately result not only in more revenue but also would tend to increase employment by means of sales and replacements.

The Short-Wave Club is not run for profit, and, in order to help listeners who through unemployment are debarred from joining our ranks, we hoped to be able to give them a little information as to when and where to look for stations. By doing this we would be encouraging reports to be sent to these stations and, by means of these reports, attract attention our way. Also, these reports, which are of inestimable value to the stations in various countries, are helping on the science of radio. As regards interference, anyone who has listened to the NZSWC stations knows this to be incorrect, as there is far less interference from our local member than there is from a nearby Morse station, which spoils reception of a number of night stations.

A letter from an American member compliments us upon our growth and optimistically remarks that the club will grow so strong that it will help to put radio in its proper place.

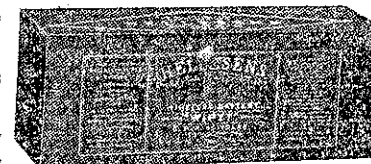
It is rather a puzzler at times to solve the problems put to me. I am asked, "What is the station I get on 25 on my dial?" For instance, from 49.02 to 50 metres there are 22 stations on the latest list I received. Some would answer "Tune it and see." But the best way to get a rough idea of the wavelengths is by "landmarks"—that is, well-known stations. For instance, RV15 is 70.2 metres, Saigon 49.10, and both are easily received at 11 p.m. Thus, by identifying regular stations and marking the harmonics of the local station, the calibrating of the dials can be undertaken.

Travelling in a bus recently I heard two fellow passengers having an argument about shortwave and clubs, but I did not introduce myself, because recently I was talking to a working man and the subject veered to short-wave. When he found out my connection with the club he said, "Why, I thought it was some big pot running it." Hi, Hi.

Someone called at my door recently to inquire about short-waves, but I happened to be out. I believe he waited a long time, but must have been disappointed. If a note with a name and address is left, full particulars will be posted. We are always pleased to help, and beginners should never be afraid of asking questions. We all had to learn from some one.

My postal address is: A. B. McDonagh, Secretary, New Zealand Short-Wave Club, 274 Cuba Street, Wellington, N.Z. Overseas letters always welcome.

Your fraternally,
MAC.



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The Christmas-tide.

THE Happy Season is upon us, with multifarious activities, frenzied search for the right souvenir, doubtful study of exchequer, and greetings from near and far. Back of all the tumult come thoughts of friends separated by miles of land and sea now miraculously and happily bridged; and other insistent, deeper, heart-breaking memories of those we have loved and who have gone from us, and will be no more seen of men.

For many of us Christmas of 1931 spells difficulty and much vain striving. At best, for the majority it is a marking-time between one restless period of toil and endeavour and another. But, resilient, we hope the struggle may be lightened, the clouds pass. Since the last season of peace and goodwill, blows have been staggering, but there were happy days; disappointment buffeted, but we remember smiling patches of blue in the dim skies. An Eastern proverb tells us destiny waits at the end of all, and may we not take it that fortune's scales in some happy future will dip in our favour, and out of the ashes of failure will rise the phoenix of success? Hope, resurgent, rears her beautiful head. Once more in this sweet season we are aware of generosity, self-forgetfulness, chivalry to the little, the weak and the poor. "Do unto others." The great doctrine holds in the face of revolution, world crises, the Five-Year Plan. The blows have nearly knocked us out, but we limp back to the ring determined to do our darndest and win through; the future can be described but through a glass darkly, but there are flecks of radiance in the gloom. Because of human nobility, we are assured of Divine justice and compassion encompassing our troubled lives. In the words of a Victorian poet:

*Oh, yet we trust that somehow good
Will be the final goal of ill.*

And it is in this confidence and in this belief that we wish leal and loved ones
"A Happy Christmas."—H.V.L.

A Dual Personality.

THERE was Nelly Terry, the adoring, home-loving, country-cottage mother; and there was Ellen Terry, the great actress. She was well-balanced—but she had to do as her genius dictated. Her motherly instinct would have made of her the mother of a large family. She would have grown old, kept slim, not grown tired teaching her children and her grandchildren; never acting... living. That is what Nelly longed to do; but the genius of Ellen Terry would not allow it. Hers was another fate, she was destined to act—forced to give two-thirds of her life and time to the public for whom her genius was intended.

—*"Ellen Terry" by Gordon Craig.*

Afore Ye Go!

MORE than two hundred years ago the Emperor Kien Lung of China wrote for his children directions for preparing tea as it should be prepared in the Flowery Kingdom. Here they are:

"Set a teapot over a slow fire; fill it with cold water; boil it long enough to turn a lobster red; pour it on the correct quantity of tea in a porcelain vessel; allow it to remain on the leaves until the vapour evaporates, then sip it slowly, and all your sorrows will follow the vapour."



The French priest, Pere Couplet, who lived about 1667, and who had learned the Art of Tea-Making when a missionary in China, gave the following as the secret of successful brewing:—

"Water must remain no longer on the tea than while you can chant the Miserere Psalm in a leisurely fashion. For those who can no longer say their Miserere in a leisurely fashion, three minutes by the clock, it has been found, will usually extract most of the stimu-

lating constituents and the aroma, without an excess of tannin, which makes the tea astringent."

A modern expert in tea-making declares that the best tea is made in two warmed earthenware tea-pots. Allow an even spoonful for each cup to be poured out. Put the leaves into the hot pot, steep for three minutes in boiling water, and then strain off into the other hot pot.



NOEL

Once a little baby lay
In a manger, on the hay;
Wide-eyed oxen at His feet
Marvelled at that babe so sweet.
Shepherds in the dead of night
Heard a song and saw a light—
Saw the star which swiftly led
To that humble manger-bed.
Wise men travelling from afar
Also saw that wondrous star,
Thus they came on camels' feet,
Laid their treasures at His feet.

Oh, may we from toiling cease,
Hear the angels' song of "Peace
And Goodwill unto All Men,"
As the shepherds heard it then.
May our hearts reflect the light
Which the Wise Men saw that night,
And may we, on Christmas Day,
At His feet our treasures lay.
May we bring our gift along—
Though it only be a song.

—O.E.H. (Blenheim).

An Adventurous Quest.

A NOTABLE feature of the centenary meeting of the British Association in London is the evident appeal that anthropology makes to scientific women, and the long and arduous travels they undergo to find subjects for investigation. Miss Beatrice Blackwood, for instance, who is university demonstrator in Ethnology in Oxford, asked for, and was granted, leave of absence two years ago in order that she might accept an offer made to her by the Institute of Human Relations, Yale University, to go to the South Seas to study the family life and relations of a primitive community.

She lived for twelve months on two of the most northerly of the Solomon Islands group, in native villages, and accompanied her Melanesian friends on their fishing, trading, and other expeditions, in places where no white person had been before.

The Model of All the Virtues!

EFFICIENCY is indeed unbeautiful and humourless when it lacks the sense of proportion which many women unfortunately take away from it to-day. You can spot the crushingly efficient woman immediately by her brisk, "no-nonsense" air. If she doesn't slap you heartily on the back and cry "hail-fellow-well-met," she at any rate suggests the camaraderie, and the voice is loud and unerringly clear. She looks the picture of bouncing health, and she worships hygiene—which fact she is not slow to impress on you, besides earnestly and "for your own good" advising you to follow her example. She never, or very seldom, makes a mistake. She has trained herself to speak correctly, to work correctly, to live more or less by rule of thumb.

Real efficiency is a most comfortable quality, but to be real it must also be unassuming and quiet. We can be "alive" without being hoydenish. We can be healthy and hygienic without advertising the fact and foisting our opinions on other people. We can love children and guide them without being domineering and too insistent about the carrying out of our principles. We can achieve quite as much all round by behaving simply instead of indulging in noise and bombast.

Do let us avoid the irritating tendency to become obsessed by efficiency!

The Seasonable Strawberry.

SOME unfortunate mortals, it is understood, do not eat strawberries, while others do not like cream; but a merciful Providence, denying us many of the good things of life has ordained that the majority shall possess a more or less passionate love for both strawberries and cream. And it is interesting to remember that certain old-world princes, prelates and poets, whose names are linked in history with strawberries, if not with cream, probably never once tasted fruit of such quality as we enjoy. Only about one hundred years ago did strawberries begin to take their present form; the original strawberries being wild, small in size, pale in colour, and somewhat sour to the taste. If any man won fame by virtue of a single sentence it was surely he who wrote: "It may be that God could have made a better berry than a strawberry, but most certainly He did not."

... With ... BOOK and VERSE

By "John O'Dreams"

Jottings

IN "A Certain Man," Mr. Oliver Onions tells a good story, embracing many angles of interest and originality. Primarily the history of a period in the life of Christopher Darley, advertising manager of the M.P.G. Combine, and Merger, reputable householder, father of a family, and still alert and springy enough, though with silvering temples. There are also Jill and Nickey and Rennie, extremely modern young things, Nicky a waiter and dancing partner, Jill in a flower-shop en route to matrimony, and her friend Omphale graduating for the oldest profession in the world.

On the bus that trundles him daily to his dry-as-dust office, Christopher holds strange converse with an elusive stranger, with soothing effect on doubts and difficulties that beset the harassed head of his spectacular family and its entourage. But this strange acquaintance is but a ship that passes in the night on Christopher's horizon, leaving, however, a curious legacy in the shape of a garment, of curious fashion and texture, that palely glistens in the night-time, and is possessed of certain blood-curling eccentricities.

Donned by Christopher, the coat of destiny proves power of allaying the fret and fume of this world's woes, healing scars of the spirit, and instilling a high spiritual nobility. Conveyed rather than described are its strange qualities, and there are illusive and slightly perplexing references to old-time orgies and sinister heathen rites.

Sported in everyday surroundings of this year of grace, the coat proves entirely incompatible with the materialistic outlook and rampant individualism of the protagonists of life's poor play; but for a time the spell works, and the moody and unsympathetic husband and father burgeons into a gay generosity and comprehending companionship like a rose in bloom. There are bad lapses, however, for the coat loses inspirational power, and a repentant Christopher sets off for a far country to study Egyptology and commune with sphynxian mysteries.

A strange tale, with a dash of the supernatural, a suggestion of unknown horror, set in juxtaposition with excellent pictures of a modern household and its yearly holiday at Le Touquet.

Prize Poem Competition

THE prize of half a guinea in the current competition is awarded to "M.H." for "Autumn," a skilful and beautiful treatment of the difficult sonnet form which will command admiration. Some delightful work was received during the past fortnight, though, curiously enough, only one poem found inspiration in the great commemorative anniversary of Christendom. This poem, entitled "Noel," is published on the opposite page. Also selected for special commendation is "Ginger's" very lovely "Cabbage Tree Palm."

"To a Stranger": Intuitive and arresting. Sorry there is no room for triolet.

"Toti" sends an unusual, cleverly etched cameo of verse.

"Novice" couples loving and accurate observation of nature's miracles with certain facility of expression, and is on the right road.

"Smilax": We like your last small sheaf, especially the cadence and appeal of "Resignation":

They are not long, Youth's dreams, Ambition's urges,
The things for which we pray and plan and scheme;
Out of the mist our path awhile emerges,
To lose itself again as in a dream.

"Ferdinand" is intelligent, frank, naive, and very, very young.

"Nitouche": Too much wagon and too little star.

"Florodora": Your pretty rhymes are so true, and alas, so commonplace.

"Early Victorian" is all for the simple life in the modern manner, the verses submitted entirely belying demureness of selected *nom de plume*.

"Communistie Clara": No, indeed!

"Scottish Chief": Shades of Robert the Bruce!

"Devout Lover": Why so pale and wan? We all go through it!

"Flaneur": Try something simple.

AUTUMN

One evening late I saw you passing by
A park of gilded trees, while soft the air,
Low breathing, scattered scarlet here and there;
The mellow sun seemed lingering in the sky
As though he wept to part—was loth to die
Before he'd once again caressed your hair.
And made it laugh to life, the fair more fair—
Then wanly smiled and faded, with a sigh,
A hush . . . and all the day's last light seemed fled
Behind the hills, the sky drained grey, the whole
Earth dim. But still I saw about your head,
Faint gleaming there, the sun-god's aureole!
You passed. Then truly all the world was dead.
But symphonies were stirring in my soul.

—"M.H."

MISS MARGERY ALLINGHAM'S "thriller," "Police at the Funeral," is to be recommended. It has a quality usually wanting in detective works, and is a very ingenious tale of murders in the Trumpington house. Our sympathies are intrigued, we read on breathlessly, and feel certain that conviction shall be sheeted home to one of two people. In either case we shall regret it. Then comes the authentic surprise, without which the best-written "thriller" falls flat. Even the most inveterate "guesser" will find it hard to elucidate this cleverly contrived fictional farrago, and when the mystery is solved and the story ends with considerable éclat it is realised that Miss Allingham is to be reckoned within the field of the detective novel.

MRS. SARAH GERTRUDE MILLIN'S novels anent South African life have a large public, which will welcome with avidity her latest story, "The Sons of Mrs. Aab." And there will be no disappointment, for it is in the author's best vein. Tragic, grim and sordid in parts though it is, the story enchains interest from cover to cover. It treats of the unlucky Gideon Aab, a plaything of malignant fate. Everything goes against him, his luck in the diamond fields fluctuates, his domestic relationships are of unsympathetic nature, and the brother who is "wanting" refuses to shuffle off this mortal coil and is a continuing millstone round the neck of the unhappy Gideon. There are several subsidiary stories and an impressive denouement, the whole being related in Mrs. Millin's most admirable literary manner.

ORIGINALITY is a rare attribute, but it is exemplified in a volume of short stories entitled "The Pothergill Omnibus." There are eighteen tales in the book, and they are all written around the same plot by well-known authors. The plot set by Mr. Pothergill for treatment by his notable contributors is the somewhat hackneyed one of a man who writes letters to an unknown, which has been a periodical trick of the writing trade for a good many years. Marriage finishes for the nonce the romanticism thereby engendered. After a time, however, when domesticity palls, the correspondence is again entered into, only to discover that the intriguing unknown is the wife who has turned out not altogether satisfactorily. The distinguished coterie who elucidate this theme with wit and wisdom is composed of such literary idols as Mr. Chesterton, Mr. Bullett (who gives a very unusual twist to his narrative), Mr. Coppard, Mr. J. C. Squire, Mr. Thomas Burke, and Miss Delatfield. Truly a galaxy of stars.

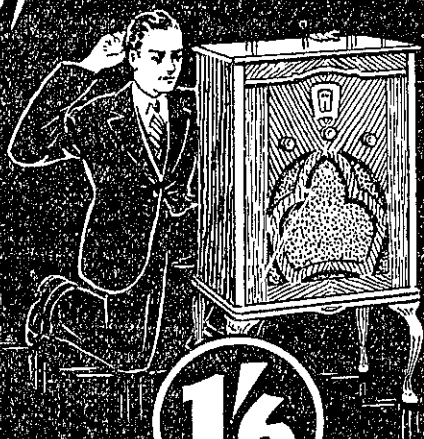
A VERY interesting series called "The Shilling Library of a Hundred Books" has been launched by Burns, Oates and Washbourne. It consists of standard Roman Catholic works of fiction, spiritual reading, theology and lives of the Saints, covering a very wide range of authors from all over Europe.

MR. J. S. FLETCHER has many admirers, who will welcome the news that he has collected a number of his short stories under the title of "The Man in No. 8." These tales of crime and mystery have appeared in sundry English and American magazines, and are indicative of his exceedingly skilful manipulation of his ingenious plots, his flair for characterisation, and his breezy and engaging literary style. Most of them thrillers, with a sustained interest that enchains, there are others of a more subtle attraction, notably a London idyllic trifle conveyed with a wistful and graceful charm.

COMPREHENSIVE—INEXPENSIVE

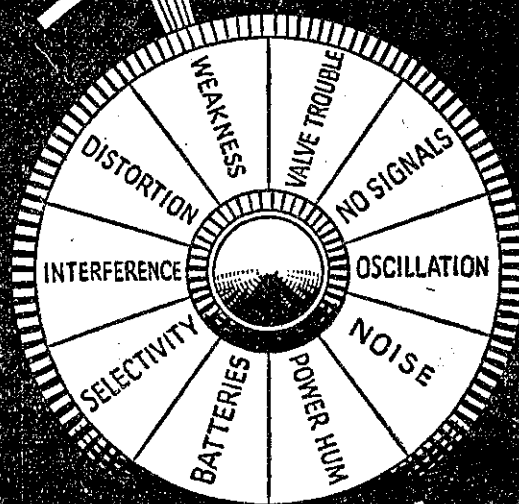
RADIO QUESTIONS AND ANSWERS

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