

PUBLISHED WEEKLY

THE RADIO RECORD



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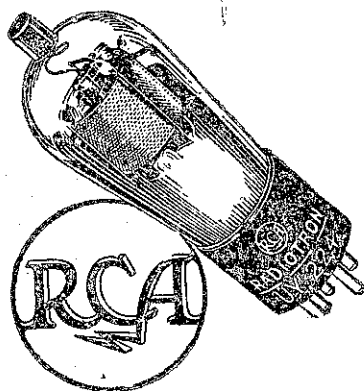
Vol IV., No. 6.

WELLINGTON, FRIDAY, AUGUST 22, 1930.

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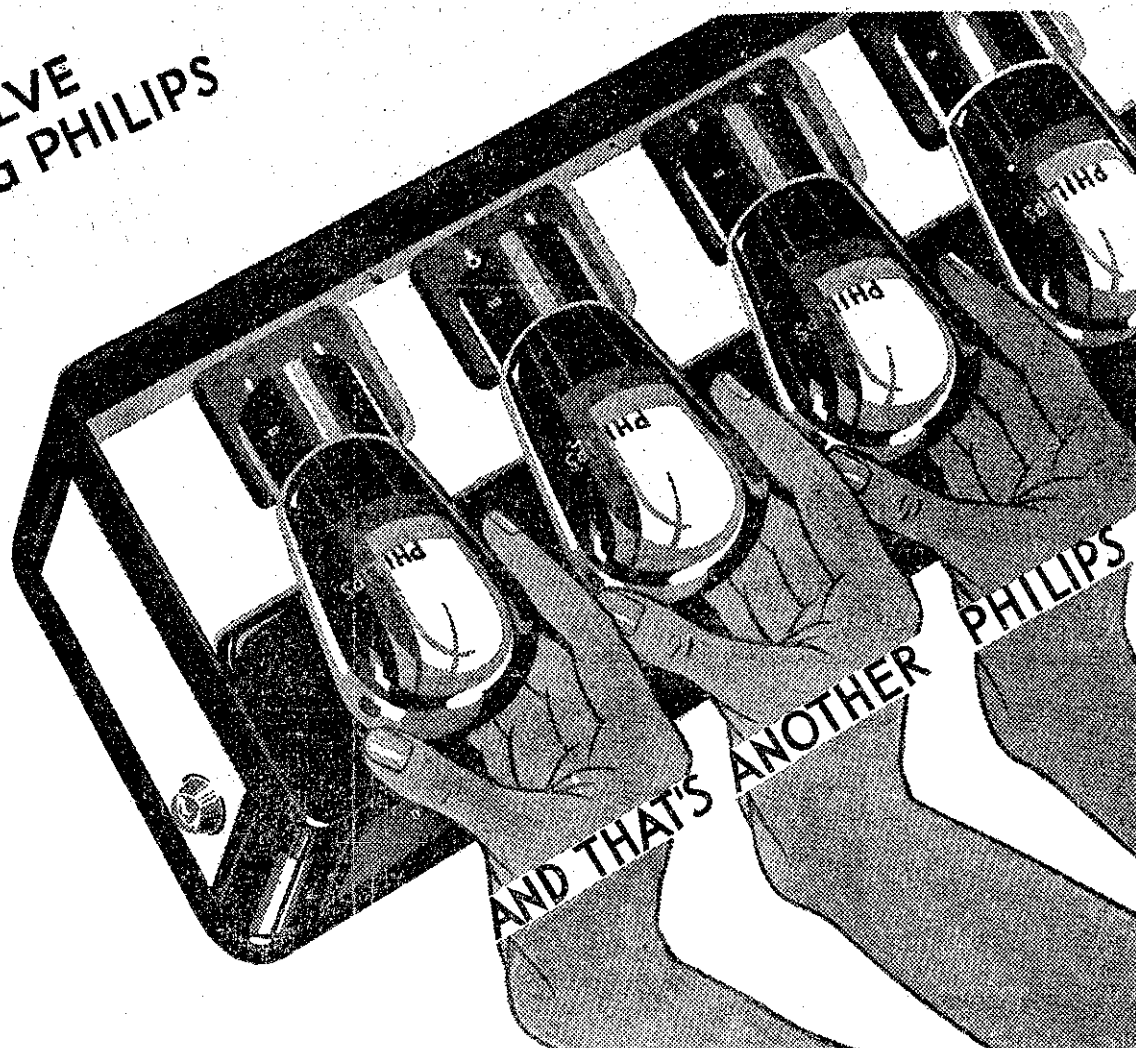
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PHILIPS

W21R

WITH the advent of pictures of the Byrd Expedition to Antarctica in New Zealand, renewed interest will be taken in that great adventure. This makes it timely to give something of the radio side, by which regular communication was maintained between Little America and the world at large. That feat increases in magnitude as the details are known. No less than 325,000 words of press matter were successfully transmitted by radio from Russell Owen and received in New York, but, in addition, more than 3,000,000 words of private messages were interchanged, all being handled gratuitously by the "New York Times" Radio Station.

The man in charge of the radio side in New York was F. E. Meinholtz, whose photograph appears on this page. For every night throughout the 18 months during which Byrd was at Antarctica, Meinholtz was on deck in the "New York Times" receiving station, tirelessly experimenting to find the proper wave-length with which to communicate with the men in Antarctica. On some nights he sat for 12 hours, from 7 in the evening till 7 in the morning, patiently tinkering hour after hour, hoping for a clear signal. It often happened that an entire evening's work resulted in only one complete sentence being secured. Most of the time, however, the signals were as clear and distinct as though they had come by land-line from Chicago. There were only two nights in the whole 18 months when communication was not successfully established with Little America.

Mr. Meinholtz is a tall and rather heavy-set man, and talks enthusiastically to the point. In the course of an interview with "Editor and Publisher," he reviewed the long story of the preparation made for the radio communication with the exuberance of a schoolboy. He is proud, as he certainly has a right to be, of the new page in radio communications which he has helped materially to write.

MY biggest thrill of the whole expedition," he said, "was in the perfect manner in which we communicated with them. I didn't think it was possible. When I undertook the job I was a little pessimistic, and I told Mr. Ochs that if we could get in touch with Little America for a few minutes twice a week we would be lucky. But he told me to go ahead and do what I could. I supervised the construction of all the radio apparatus the expedition packed along, and picked the men to handle the job at Little America—they were old friends of mine. I didn't know until they were actually settled in Little America whether the thing would work. But it did! Now I'm entertaining radio experts from all over the world who come in here to see how it was done. It was the fact that we kept up communications so consistently that stumps them all—and stumps me, too. And the fact that there were so few 'repeats' made it seem all the more marvellous. We very seldom, except on some bad nights, had to ask Hanson to repeat his messages.

"When I came to work at 7 in the evening."



Mr. F. E. Meinholtz at the short-wave set with which he maintained contact with the Byrd Expedition.

F. E. Meinholtz, manager of the New York Times radio department, tells of the midnight vigils when he spoke to Little America, in

The RADIO SIDE of BYRD'S STORY

Meinholtz said, "the day's activities in Little America were just getting started. It was noon down there. Three hours later or so, when it was 3 o'clock in the Antarctic, Russell would have the first part of his story written and Hanson would be shooting it through to make the deadline on the "Times" mail edition at 10.40 p.m. From then on the editorial department would get the story in small sections for the various editors. The story was usually complete for the 3.30 a.m. deadline, although the pages were sometimes held open for awhile if the reception was slow."

The men at the "Times" were imbued with the adventure, and were out to make as perfect a record on their side as Byrd and his men made at the South Pole. They worked long hours over their complex apparatus to bring in the stories.

A year before the Byrd expedition started, Meinholtz had perfected his equipment, and had experimented with the Norwegian whalers in the Antarctic. Then he went about assembling the 75,000 dollars (£15,000) worth of radio equipment which the expedition took along. He was in constant communication with the ships on their way down, as well as after they got there.

Then came the dash to the Pole on Thanksgiving Day, November 29, 1929. And Meinholtz transcribed the most thrilling radiogram of the expedition: " . . . Airplane Floyd Bennett, in flight, 1.55 p.m. G.M.T., November 29, 1929 . . . My calculations indicate we have reached the vicinity sugar fishing humidity for survey atkinson camp well. Will soon turn nominate piney onalaska trigger flunky diamond sugar billet." Which, when translated, said: "My calculations indicate that we have reached the vicinity of the South Pole. Flying high for a survey. The airplane is in good shape, crew all well. Will soon turn north. We can see an almost limitless polar plateau. Our departure from the pole was at 1.25 p.m."

"All the big news broke on holidays," Meinholtz observed. The greatest difficulty in transmission was during the long Antarctic night. It was hard to get signals through and to receive them during this period, and it took many weary hours experimenting with waves before even the smallest message could be received.

Approximately 20,000 messages from mothers, fathers, sweethearts, wives, societies, etc., were sent to the men in Antarctica. The original manuscripts of these lay filed in a huge box in the studio as the interview was given.

Meinholtz was a telegraph operator in St. Louis prior to the War, and had worked for all the newspaper offices in that State. He joined the Navy during the war, and was placed in charge of the Naval Station at Bar Harbour, and undertook trans-Atlantic radio service there. After the war he visited New York and accepted a position as manager of the "Times" Radio Department. He has held this position for the past 10 years.

AS showing how assiduous the Radio Department of the "Times" now is in its task of gathering news for its readers, it may be mentioned that, following on the Byrd Expedition, which was a major activity, the "Times" Radio Station is in constant communication with the Bartlett Expedition in Newfoundland, which is getting ready for a geographical trip to Greenland. On a huge map of the world in the radio room, pointers show the locality of this and other expeditions with which the station is also in contact. For instance, there is a slip of paper showing the location of the Dickey Expedition on the Orinoco River, in Venezuela. In Lima, Peru, Yancey, the aviator is in communication, and over in Ireland a slip indicated the starting-point of Captain Kingsford-Smith's flight, now a matter of history.

One of the most pleasant souvenirs of the station is a personal message from Admiral Byrd, dated December 20, 1929, reading as follows:—

"I think the work your outfit has done up there has been remarkable, and you have certainly stuck by us. (Concluded on page 2.)



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NOTES and NEWS from the NORTH

LOCAL reception of 2YA's broadcast of the fourth football Test was excellent. One listener who had failed to get Wellington in daylight on several previous days and who was in despair of ever hearing the broadcast on Saturday was gratified to find that on the important day 2YA came in as strongly and clearly as could be desired. The station, the atmosphere, and the receiver were evidently on their very best behaviour.

A VERY interesting series of talks entitled "How to Get the Best Out of Your Receiver" is to be given from 1YA by Mr. B. S. Jones, a well-known Auckland electrical engineer. The first talk will be delivered on August 29, the others following weekly.

THE 1YA Orchestral Octet, which has been heard regularly from the local station during the last 18 months, will be disbanded in mid-September, when its place will be taken by a new string orchestra under the conductorship of Mr. J. Whitford Waugh, who is well known in Auckland as a conductor picture theatre orchestras. Mr. Eric Waters, who has been pianist and leader of the present octet since February, 1929, will continue as pianist in the new orchestra, but otherwise it will be composed entirely of players new to broadcasting.

ANOTHER new orchestra to be heard by listeners to 1YA next month is that of the Orpheus Society, which will give a programme, assisted by Mr. Frank Sutherland, on Thursday, September 25. This society was formed some time ago among the staff of an Auckland business house and has since become recognised as an important factor in the city's musical world.

AS was announced in this column some time ago, the Auckland B station, 1ZQ, hopes to move into the Lewis Eady Building, Queen Street, and to increase both its power and its hours of service. Its application to the City Council for permission to erect two aerial masts on the flat roof of the Lewis Eady Building has been referred to the Town Planning Committee for a report. This was done on the recommendation of the city engineer, who stated that he did not consider timber, of which one of the masts was to be constructed, a suitable material, and who also gave his opinion that the masts would be conspicuous and unsightly. He recommended that if permission were given it should only be for a limited time. The mast in question is the one intended for the Queen Street front, and was to be constructed of Oregon timber in the form of a pyramid tower, with an eight-foot square base.

ANOTHER recent birthday is that of the 1YA Station Choir, which made its initial appearance over the air on August 6 last year, when it presented Sterndale Bennett's "May Queen." The choir, under the direction of Mr. Len Barnes, has since been one of the most popular features on the local programmes and has earned many successes. There are over thirty voices in it, and it is a very fine combination whose work is greatly appreciated.

AUGUST promises to provide listeners to 1YA with some particularly good broadcast fare. Of course, the special Music Week features will take chief place in the month's programmes, but the rest of the month also has some first-class artists and numbers. Mr. Norman Torrey, who gave a similar and popular broadcast last year, will give an item entitled "Half-an-hour With an Author in His Library" on August 13, while on August 14 a full old-time night will feature old-time songs, humour, and dance music until 11 p.m. On the following evening a special programme including music and a talk, will be given to celebrate the birthday of Samuel Taylor-Coleridge.

AN exhibit in the window of a local radio dealer's shop, which is attracting considerable attention from Auckland wireless enthusiasts, is the actual screened grid four-valve receiving set which was used by the Byrd Expedition at the South Pole.

AT noon on the Saturday of the Third Rugby Test, an old lady walked into the 1YA lounge from the street, and sat down on a sofa, spreading her numerous parcels about her. On being asked if she wanted to see anyone, she replied: "Oh, no, I've just come to listen to the match." The fact that the station was not going on the air for over two hours did not seem to worry her a bit. Evidently she was one of the same patient and enthusiastic type who waited up to two days in a queue to buy tickets for the match.

Byrd's Radio

(Continued from page 1.)

When the time comes I am going to write a letter to Mr. Ochs telling him all about it. You have my sincerest personal thanks and through you I want to thank your shipmates. They have been corking good fellows. Nor have I forgotten all the things you have done for us. A Merry Christmas and a Happy New Year to all of you in which every man here joins for we are all indebted to you and your staff.—Skaal."

Wellington Music Week

Small Deficiency Expected

OWING to the inclement weather experienced in the early stages of Wellington Music Week the attendances of the public were not as large as was hoped would be the case. In those circumstances a small deficit is likely to be faced by the combined Music Week Committee. At a committee meeting held last week it was announced that the deficit would be about £50—certainly not more, but possibly less, as some of the receipts had yet to be accounted for.

This outcome is naturally disappointing to the promoters of the week, who had hoped for a larger volume of public support. In those circumstances an appeal has been made to listeners who may have enjoyed the excellent programmes that were broadcast throughout the week.

Sums may be sent to Mr. Ernest Dawson, secretary of Music Week Committee, Manners Street, Wellington. Some listeners have already sent in voluntary contributions. One letter received by Mr. Albert Russell from Featherston read as follows: "Both my wife and myself have been so interested in and delighted with your mid-day concerts, and hearing you say on one occasion that there was a collection box at the door, we both feel that we would very much like to help, even if not actually there, and we enclose a small donation (£1) toward the cause."

We sincerely hope that the contributions of listeners will be sufficient to wipe off the deficit so far confronting Music Week.

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New Instrumental Combination

String Octet for 1YA

A NEW orchestral combination which will take the place of the present instrumental octet at 1YA will be introduced to listeners this week—on Friday, August 22. The new octet will be entirely of strings, and in forming it the conductor, Mr. Whiteford Waugh, has been successful in securing the services of some of the leading talent in Auckland.

The personnel will be:

Conductor Mr. J. Whiteford Waugh
First violins Mr. Haydn Murray and
Mr. Leslie Haynes
Second violin Mr. Bert Kerr
Viola Mr. Colin Munroe
Cello Miss Lalla Hemus
Bass Mr. J. Zimmer
Piano Mr. Eric Waters

Until recently, Mr. Waugh was musical director of the Auckland Majestic Theatre Orchestra, which was generally acclaimed as the finest picture-house orchestra in New Zealand, and listeners to 1YA will have pleasant recollections of the weekly relays carried out from that theatre. Mr. Waugh is a musician of the highest ability, and has had years of international experience. He was born in Newcastle, Australia, of Scottish parentage. While still a boy he showed considerable musical talent, and studied the violin from S. Vost Jannsen, the celebrated German teacher, the piano under Dr. Tyrrell, and harmony and composition from George Young, organist at St. Andrew's Cathedral, Newcastle. These were, undoubtedly, some of the leading teachers in Australia.

In 1914 Mr. Waugh entered the Sydney Conservatorium to continue his musical education, and played the violin for Henri Verbruggen, who immediately offered him a position in his orchestra. So impressed was Verbruggen by Mr. Waugh's talented playing that he accorded him the honour of attending all his interpretation classes free of charge. In 1918 Mr. Waugh left the Sydney Conservatorium and went on tour as solo violinist with Monsieur Goossens, the famous Belgian baritone. In 1921 he joined J. C. Williamson as orchestral lead and deputy-conductor.

Mr. Waugh has a charming personality, and his advent into broadcasting will be welcomed by all listeners. Mr. Waugh has a library of over 10,000 orchestral numbers—the most comprehensive music library in New Zealand. All are his own property.

Of Topical Interest

K. M. WRIGLEY, of Waihi, writes: I notice a paragraph concerning a radio owner who had the occasion to move his set to a new locality about two miles away from the original site. There with an aerial and earth which showed no defects the reception came in with about one-quarter of the volume which was received in the previous locality. Curiously, I experienced the same thing yesterday (Thursday), when I removed

my set to a relative's place, approximately two miles from my home. Australian stations were fairly difficult to get, while the YA stations lacked their usual volume. At 11 p.m. I returned home with the set and coupled up the aerial and earth, which seem below the standard of those at my relative's. Australia and Japan came in splendidly, at least three or four times louder than in the other locality. I am now quite convinced that locality is a very important factor in radio reception."

Motoring Talks

Auckland Attraction

IF knowledge of one's subject counts for anything in radio talks then Mr. R. R. Talbot, or Rod Talbot as he is known throughout the Auckland province, should be most successful in his talks on "Motoring" from 1YA. Rod Talbot, who succeeded Mr. R. Campbell as motoring lecturer from the Auckland station about six months ago, knows his subject from A to Z. Although still a comparatively young man he has been selling cars for no less than eighteen years, and in that time has accumulated a wonderful store of experience which must be of great value and interest to radio listeners. Except for a break of two years at the war, his activities and sports have been closely allied with motors, and, to use his own words, they are the only thing he understands. In addition to selling, driving, repairing, and testing motor-cars he has done some motor racing and some flying.

He is very enthusiastic about broadcasting and is most anxious to make his talks interesting and instructive. He will welcome suggestions in regard to his talks and is also prepared to answer questions from listeners, either by letter or over the air. Letters should be addressed c/o Talbot and Thompson Motors, Ltd., 15 Wellesley Street, Auckland.

"One great advantage in talking over the radio," says Mr. Talbot, "is that you can't be interrupted or contradicted. You can get going at full steam on your pet subject without any fear of interruption or argument at the time, no matter what may be said to you afterward." Many other radio talkers will agree with him.

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

WELLINGTON, FRIDAY, AUGUST 22, 1930.

MUSIC WEEK.

QUITE an interesting discussion has been proceeding in the Press upon Wellington Music Week. A general sympathy is shown for the aims of the Music Week Committee in popularising a love of high-class music. This sympathy extends to the unfortunate outcome, from a financial point of view, of the venture. It is, however, very much to the credit of listeners that the deficit of approximately £50, which was the outcome of the week, is steadily being reduced by voluntary contributions from their ranks. So far £24 has been received and more is expected. This shows that the lovers of genuinely good music in various parts of the country who are numbered in the ranks of listeners are prepared to contribute when appeal is made to them.

THE discussion, however, reveals that the point of view of the average person and the average listener must not be overlooked. If it was the purpose of the organisers of Music Week to popularise good music, then the point we made last week that that object would best be achieved by tactful incorporation of popular numbers to draw the crowd would have been desirable, holds good. From the listeners' point of view, too, a more diversified programme would have been welcome. Genuine music-lovers attending a chamber concert will revel in the full performance of a number extending to an hour, but listeners in their own homes, unless their taste is of a high order, will find such a protracted performance a little tiring. From their point of view, therefore, greater diversification would have been desirable.

ONE point that we think commendable is the consideration shown by all classes to the aims of the Music Week Committee. Even those whose taste runs to jazz and other forms of musical entertainment accepted without undue question the full programmes as arranged by the Music Week Committee. This we think very much to their credit, and shows a breadth of view that should be appreciated. From it the Music Week Committee may derive the comfort that definite good has been done. At the same time we think it would be definitely desirable and commendable if the organisers of Music Week were to assess the value of the experience gained this year in future efforts and aim at a greater popularisation of the occasion. It might also be advisable to stage the week slightly earlier in the year, before the weather has definitely broken into its winter characteristics.

Radio Record Spelling Bees

Entries Approximate Fifty

GREAT interest will be taken by listeners in the "Radio Record" Spelling Bees, which are being conducted at 1YA on Tuesday, August 26, and 2YA on Thursday, August 28. Splendid prizes are offered, particulars of which have been given in the "Radio Record." The adjudicator at 1YA will be the well-known lecturer, Mr. A. B. Chappell, M.A., and the judge at 2YA will be Mr. J. Norrie, chief librarian at Wellington Public Library.

Everything is being arranged so that competitors need have no qualms or fears as to the fairness of the competition, and every detail will be weighed most carefully. Many people would doubtless be afraid of entering into such a competition if they had to appear in public, but on this occasion their only seen audience will be their fellow-competitors and the station officials. Arrangements are planned so that even the adjudicator will not be seen nor will he be able to see the competitors.

This competition should prove of very high entertaining value. The winner at Auckland will provide a competitor for the finals, which are to be conducted at 2YA. The winner of the competition at Auckland will visit Wellington at the expense of the "Radio Record." The entries for the Wellington event approximate fifty.

Miscellaneous concert programmes will be broadcast in addition to the "Spelling Bee" competitions.

Preceding the Spelling Bee at 1YA will be an elocutionary item by Mr. J. M. Clark, entitled "The Spelling Bee at Angel," by Bret Harte. This is an amusing incident of the early days of San Francisco, when the sole survivor is supposed to be the speaker. The rest of the competitors went "the way of all flesh," involuntarily. Competitors in this competition need have no fear of such a calamity befalling them. A further elocutionary item will be given by Mr. J. M. Clark, Mark Twain's "Story of the Old Ram."

"Faust" On the Air

Produced by Signor
Cesaroni.

LISTENERS will be interested in the announcement that Signor Lucien Cesaroni is to give a complete rendering of "Faust" from 2YA in the near future. The quality of Signor Cesaroni's singing is well known, and his performance on the evening in question will be a treat to listeners.

The Signor has recently returned from a comprehensive tour of Europe, and speaks highly of the place that radio broadcasting is now playing in the artistic life of the Old World. This point, in fact, greatly impressed itself upon him. After spending several weeks in London and hearing the fine programmes of the British Broadcasting Corporation, and learning the general satisfaction expressed with them by many London music lovers, he visited Germany and other parts of the Continent, and wherever he went was in touch with the part that broadcasting was playing in musical culture. In Berlin he found that not only was music of the highest quality broadcast in ample degree, but that scientific lectures were also being regularly transmitted by well-known university professors. These were addressed definitely to students in distant cities and country towns, in accordance with a pro-

gramme of general education. It was recognised that immense possibilities were to be found in broadcasting for the future.

In Milan the Signor had the pleasure of again meeting the Bonsalez brothers, his old managers, and so well known throughout Australia and New Zealand by reason of their successful tours of 1918 and 1929. It was possible that they would again visit New Zealand in the near future. In their company Signor Cesaroni was treated to a fine broadcast of a famous production from La Scala, one of the greatest opera houses in the world. The opera was "Il Trovatore," in which appeared a new tenor of unusual gifts, Commendatore Lauri Volpi. The enunciation was perfect, and it was a real pleasure to hear such a fine reproduction over the air. So perfect, indeed, were the broadcast transmissions from the various important centres of Europe that even such experienced artists as the Gonsalez spent many of their evenings at home enjoying, by means of radio, these famous programmes from operatic centres. For instance, they frequently listened in to the fine orchestral and sacred concerts given from the "Augusteo," Rome, from the Opera House, Turin, and Conservatorium performances from Naples. Everywhere, says the Signor, one could not help but admire the progress made in enunciation and articulation, and the branches of education by those artists who are taking advantage of the opportunities of radio broadcasting to attain the largest audiences and the greatest culture.

"We knew you during the war, and

The speakers were Dr. Adams, president of the New Zealand Rugby Union, Mr. S. S. Dean, chairman of the N.Z.R.U., Dr. McEvedy, president of the Wellington Rugby Union, and Mr. McEwen, chairman of the Wellington Harbour Board. Very feeling replies were made by Mr. James Baxter, manager, and Mr. Prentice, captain, of the British team. Then each member of the team was invited to come forward to broadcast a farewell message to any young lady in particular and

The weather was fine, and the people of Wellington did justice to a memorable occasion. Through 2YA many thousands of listeners throughout the Dominion, were able to obtain a vivid impression of the fitting send-off accorded our late visitors, whose sportsmanlike attributes and gentlemanly bearing won innumerable friends throughout New Zealand.

New Plymouth.

Radio Checkmates Death

Equipment of the Tahiti Averts Disaster

issued regulations along the lines suggested by the conference. Other nations followed Britain's example, though their codes of rules were generally less stringent.

Last year another International Conference was held in London, and a second convention signed. As it will not come into force until July, 1931, there is no international set of rules in operation at present, nor will there be for nearly a year.

A Popular Broadcaster

Mr. Harrison at 1YA

MR. REX HARRISON, baritone, who has sung from 2YA, 3YA, and 4YA, will be heard from 1YA on Friday, September 5, Sunday, 7th, and Friday, 12th. In his recital on the Sunday evening he will present seven songs. Mr. Harrison is one of the finest artists who have broadcast in New Zealand.

Marconi's Yacht Takes Fire

QUITE recently a fire broke out on Marconi's yacht, the "Electra," while at anchor off a Mediterranean seaport. The outbreak was due to a short circuit which occurred while he was transmitting a message to London. Marconi superintended the fire operations and saved the yacht and much valuable apparatus, though the wireless equipment was destroyed.

WHO would have imagined when the ill-fated Tahiti sailed from Wellington Harbour only a few days ago that were it not for her radio equipment her passengers and crew were doomed? "Were it not"—that is an important concession, for radio has proved itself beyond doubt the greatest single factor employed to ensure the safety of the travelling public.

Soon after the mishap which rendered the vessel helpless and her passengers and crew in danger, the fact was known throughout a radius of thousands of miles. Within the space of a few hours the Penybryn was speeding to the scene of the threatened disaster. Hour by hour, as the water was steadily rising in the hold, the key of the operator was telling the world. Messages assuring the passengers of their ultimate safety received by the damaged ship must have kept high the spirits of all on board.

Through radio, too, the news of the disaster was spread to all those who had receivers, for the broadcasting stations sent out the news as soon as it was known. Throughout the country there were anxious relatives and friends to whom radio was a great assurance and comfort. Our announcers kept listeners posted with what was happening on the Tahiti when she was thousands of miles away. The anxious groups round receivers scattered throughout both New Zealand and Australia no doubt welcomed the news on Sunday night that the relief had been secured, and those who were on board were being transferred, and later that they were safe.

Radio as a Life-Saver.

NAUTICAL history tells of many cases in which ships have suffered mishaps similar to that occurring to the Tahiti. In earlier days, however, vessels drifted in deadly isolation, sometimes for months,

while in some cases vessels have left port and have never been heard of again.

Such an instance occurred in 1919, when the Waratah, voyaging from Adelaide to London, left Durban for Cape Town, and thereafter vanished completely. A few years before this, the Port Stephen, bound for Newcastle from Dunedin, lost her propeller and drifted to the southward for nearly a month, eventually being abandoned near Auckland Island. Provisions of coal and food had both been exhausted, and her stern gland leaked badly. The Ravenscourt took off the crew, landing them in October, 1916.

When the Waikato's propeller shaft broke off the coast of South Africa in 1899 she drifted for more than three months across the Indian Ocean. The vessel was 180 miles south of Cape Agulhas, near Cape Town, on June 5, 1899, when the shaft snapped. For three months and ten days the vessel drifted hopelessly. Wind and tide swept the derelict across 4500 miles of ocean. Four or five sailing ships were the only signs of mankind that those on board saw, and at last one of them, the Tecoroa, picked them up. The Waikato had drifted in an easterly direction, and when the Tecoroa attempted to tow her northward she found the vessel too heavy. Leaving the Waikato, the sailing ship went on to Mauritius, and reported the plight of the liner. A man-o'-war was sent in search, and day after day, week after week, she ploughed her way through the sea looking for the unfortunate craft. But her lookouts scanned the horizon in vain. Fortunately the s.s. Aslon picked the

Waikato up and towed her 2500 miles to Fremantle, which was reached on October 9, four months and four days after the accident.

If there had been no wireless the Tahiti might have been lost with all hands, have been listed as missing, and eventually become another "mystery of the sea." The tale of the lost Waratah might not have had a tragic ending had she been fitted out with wireless, and, after all, is it not likely that she lost her propeller?

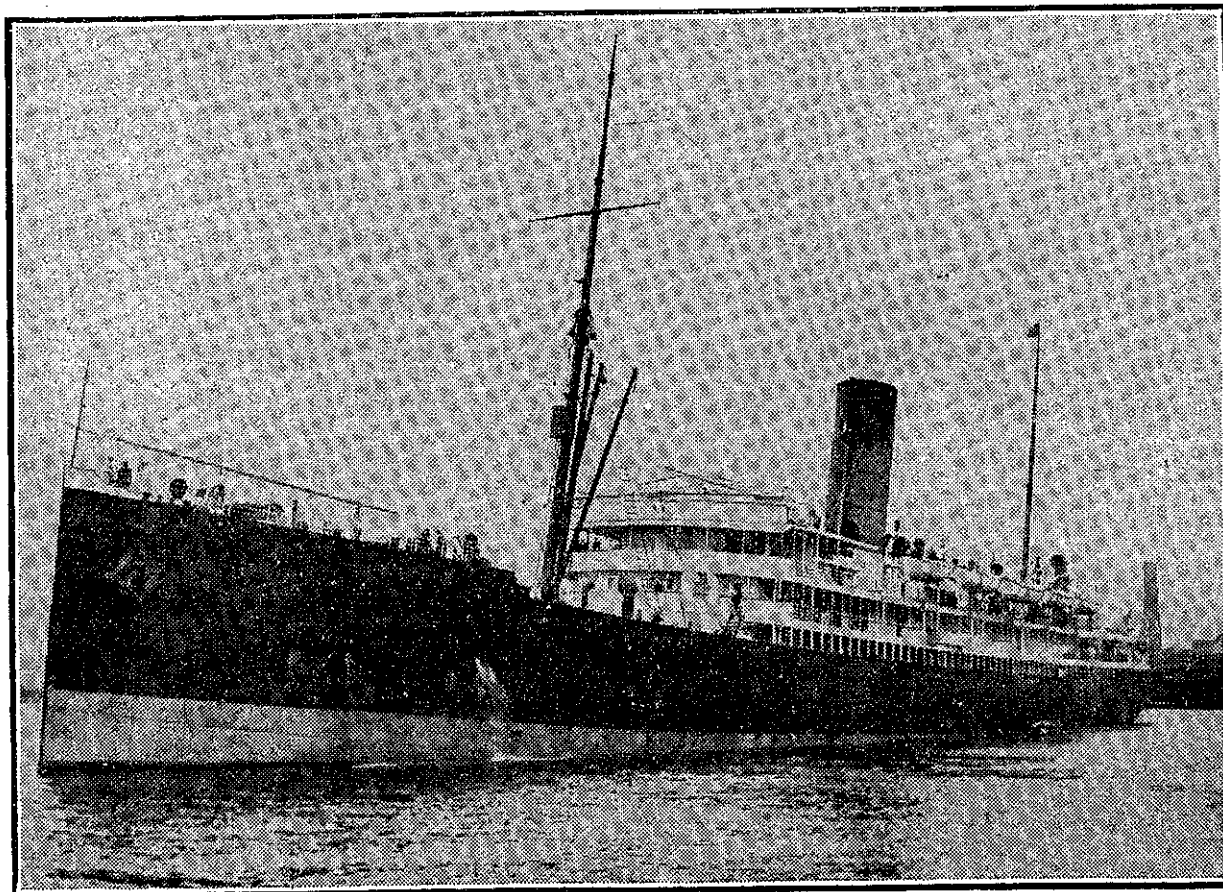
International Regulations.

THOUGH Britain, as a seafaring nation, grasped the great maritime importance of wireless immediately upon its invention, no international regulations regarding the equipment of ships with wireless are yet in operation.

The first striking proof of the value of Marconi's invention was in 1909, when the Republic and the Florida collided in a thick fog. Though the Republic was sinking in darkness, and the wireless cabin was splintered, the apparatus was workable. The great tradition by which a ship's wireless operator remains in his cabin till the end was founded by her operator, Jack Binns, whose calls were heard, and both passengers and crew saved. After that came the Titanic disaster, from which nobody would have been saved but for the wireless.

An international conference met in London during the following year to consider various aspects affecting the Safety of Life at Sea. Here an international convention was signed, but before it could be ratified, the Great War was launched upon the world. Immediately the conflict was over the British Government

The ill-fated Tahiti steaming out of Wellington harbour on what will apparently be her last voyage. To the casual observer the wireless aerial would probably prove the most unpretentious part of the ship, yet upon these slender wires hung the fate of nearly three hundred lives.



Identification Wanted

STATION on about 288 metres (1040 kc.), with call which sounded like NJK, Wyoming. Announcer read out several names of people in St. Louis, and stated that programme by request. One of the items were, "Dem Golden Slippers." It was stated that the station is a new one, and would be transmitting the best of programmes. He was received on August 10 at about 5 p.m., and when closing down gave time as 12.1 p.m.—P.C.B. (Manakau).

AMERICAN station heard on August 11 on approx. 265.5 metres (1130 kc.). Several times during his announcements I heard "The Vagabond of the Air." To items announced were "A request number, Metropolitan March," composed by the player (piano), and "Drifting Back to Dreamland." During the last few days I have added KFOX, RSL, KVOO, and KNX to my list. Total, now 69.—L.I. (Gisborne).

N.Z. station heard on August 13 at approx. 9.30 p.m. giving results of Invercargill by-election. It was transmitting on approx. 462 metres (648 kc.).—H.W.A. (Nelson).

STATION just under 300 metres (1000 kc.) heard on August 8 at 8 p.m. Call-sign 2—M. Same evening at 9.45 p.m. heard a foreign on 265 metres (1130 kc.). Language resembled French. I have logged 50 station to date on an 8-valve all-electric.—"Wilcox" (Timaru).

AUGUST 10 was one of the best nights for American reception I have ever experienced. I heard the calls of seven, but several others I could not identify for static. One in particular was just above 8YA, and was occasionally drowned it—"Yankee" (New Plymouth).

STATION testing from 11.30 a.m. till 12.5 p.m. on August 10. Address sounded like Roger's—broadcasting station, Manurewa, but speech was very mushy. The announcer used two microphones, speech on the second (which he used very little) being quite clear. Gramophone items played included "Cuckoo" waltz, "Orange Blossom Time," sung, and "I Get the Blues When It Rains." His wavelength was about 250 metres (1200 kc.). Also on the evening of August 6 I held station KROW, Oakland, California, from 5.54 p.m. till 6 p.m. Items included dance music by Al. Wallace and his dance orchestra. This station is not mentioned in the "Guide." Wavelength about the same as 3UZ.—S.P.W. (Waingaro).

ON August 13, 1930, at 9.50 p.m. until 10.17 p.m. I heard an American station on about 236 metres (1270 kc.). A composition, prize one guinea, was announced. Songs, "Louise" and "Marcheta," orchestral number, "Vagabond King," and a piano solo were heard. Static was bad and station was singing badly at conclusion of programme. Call-sign sounded like KTB or P. On August 14, 1930, I logged KMOX for the first time since March 1, 1929. Strength R4.—"Amazon" (Palmerston North).

STATION heard August 15 at 8.30 p.m. on 1500 kc. (200m.), and further down towards minimum reading of dial. Not 2YA's harmonic.—"Yankee" (New Plymouth).

AT what times (N.Z.) do any regular time signals and weather reports in Morse come through from Japan and Suva? Also, what is the latter station's call-sign?—R.J.G. (Auckland).

I RECENTLY tuned in to a station a little above 2YB, New Plymouth, giving his call as 3—, Melbourne. He came at good loudspeaker strength at 9.35 p.m. on August 8. His call was very clear, but was given at such a speed

THE D.X. CLUB

Views and News.

that I could not catch it.—J.W.T. (Dunedin).

[Probably 3BY, Melbourne. See "Stations Identified" column in "D.X. Notes" of last week's issue.—Ed.]

STATION heard 1.30 a.m. on August 3 about 2 degrees below 1YA with clock (rather high-pitched but clear) chiming 8. It may possibly have been 7 or 8. The announcer spoke English, and though music came through well, speech was blurred.—G.F. (Ohura).

WHAT stations operate on 563 k.c. (532 metres) and 500 k.c. (600 metres), and what American operates on 595 k.c. (504 metres)? My set is an 8-valve all-electric commercially built one, and I am using a 90 foot aerial about 43 feet in height.—"Phones" (Hastings). [You do not give enough particulars.—Ed.]

STATION heard at 10 p.m. every night (strength variable) on about 765 k.c. (393 metres). I think it must be a Japanese, but I can never get the call. From 9.40 p.m. till 10.30 p.m. speech is heard, and after that vocal items (at least, I think that is what is intended). My set is a 9-valve all-electric commercial model.—W.D.W. (Dunsandel).

[Probably JOHK, Sandai, Japan, operating on 390 metres (770 k.c.).—Ed.]

records, "Happy Days are Here Again," "Tea for Two," piano solo, and dance music, and closed down at 1.45 p.m., New Zealand time. This will confirm "Amazon's" recent statement.—S. Beckett (Whakatane).

E.R. (Heretaunga): The best time to receive American stations is, between 3 p.m. and sundown. Your "Listener's Guide" will give you the required frequencies.—Ed.

"INCUBU" (Waitaka): Address of Station 3BA is c/o Ballarat Broadcasters Co., Ltd., 2155 Raglan Street, Ballarat. They operate on 231 metres (1300 kc.), with a power of 50 watts.—"Liederman" (Timaru).

C.A.H. (Napier): Anyone revealing an interest in the DX Club by contributing notes of interest, etc., automatically becomes a member.—Ed.

"UNCONSCIOUS" (Timaru): Probably WGN, Chicago (just above 2YA). One of the stations just above 7ZL is KMTR, Hollywood. The other—slightly higher—I have not yet identified. "Amazon" (Palmerston North): KSL, Salt Lake City, can be found between KMIC, Inglewood (which 2ZM blots out) and KVOO, Tulsa, Oklahoma, and is

SPELL BEE

Our apologies—we meant Spelling Bee. Do you know that on the evening of August 28 will be broadcast the final of the "Radio Record's"

MONSTER SPELLING BEE?

Listen in to 2YA and enjoy the fun! You will appreciate this novel entertainment much more, however, if you have a copy of the "Spelling Bee Booklet," which, besides two interesting articles by the Rev. A. B. Chappell, M.A., contains the complete list of words to be used for the competition. These are now available at a nominal cost of 6d. Secure your copy now.

Stations Identified

A. D. ROGERS (Wellington).—Address of 5AD, Adelaide, is c/o Advertiser Newspapers, Waymouth Street, Adelaide.

"AMAZON" (Palmerston North).—I heard 3DB relaying 3BA, Ballarat (231 metres) on 255 metres (1175 k.c.) recently.—G.F. (Ohura).

"TORQUE" (Island Bay).—An announcement was made a month or so ago from W2XAF, New York, that WGY, on 790 kilocycles (380m.), would be carrying out tests on a power of 200 k.w. These tests were received well here in Christchurch around 8 p.m., but I do not know if WGY is using this power regularly now or not.—R.T.S. (Christchurch).

AT 12.26 a.m. approximately a station was heard on 21/7/30 which gave its call-sign as 3BY, Melbourne. Played

most probably the station he heard. About 3 degrees on my dial (180) covers all three stations. "Metre" (Huntly): Your station 3 degrees below 2FC sounds like KPO, San Francisco. It comes in close to 6WF, Perth (earlier, of course).—E. W. Anglesey (Nelson).

"JUST Started" (Stratford) probably heard BJML, who gave his position when I heard him as 47 miles from Cape Maria. "Gregg" (Dunedin) heard KNX, Los Angeles, California.—"Yankee" (New Plymouth).

"AMAZON" (Palmerston North): Station on 263 metres (1140 kc.) is, I think, KYA, San Francisco. It is not KMOX, as another reader suggests; as I have since heard this station on 275 metres (1090 k.c.). L.C.S. reports 2ZE Eketahuna. I also heard this station at good speaker strength one Wednesday evening.—A. D. Rogers (Newtown).

"SCREEN-GRID" (Opunake): Ball-for-ball description of Test match England v. Australia was broadcast by 2UW, operating on 267 metres (1124 k.c.).—A. L. (New South Wales).

"J.C." (Vogelstown): Station heard J.C. was probably PCJ, Holland (31 metres approx.). Other station is certainly 3RO. I receive him with good volume. He starts at approx. 6.45 a.m., except Monday (Sunday in Italy), and continues until approx. 8.45 a.m. On August 14 a man gave an address in English on U.S.A. The station call is "Radio Roma," and a man and lady both announce. The man, at exactly 07.30, N.Z.M.T., repeats several Italian words which sound very much the same. Then he rings a bell and the musical session is commenced. "Bob" (Wellington): The station you heard was probably KFXM, California. "Gregg" (Dunedin): Station heard was KNX, Los Angeles.—Z.L.D.X. (Palmerston North).

J.C. (Vogelstown).—Station heard on 80 metres at 7 a.m. is undoubtedly 3RO, Rome, as they are coming in well on this wavelength at present. The station on the 40-metre band would be WNC, one of the trans-Atlantic 'phone stations controlled by the American Telephone and Telegraph Company, and operating on approximately 44 metres. This station carries on two-way telephony with London stations, the same way as VK2ME does with GBP. The other American he heard about three metres above W2XAF would probably be another of these stations, as there are several around 34 metres.

The station Mr. H. R. Hughes (Auckland) inquires about as being on 49 metres is 3AN, of Sourabaya, Dutch East Indies. This station is run by the Sourabaya Radio Society. In 1928 it used to be heard here regularly on 39 metres, and a card is held by the writer confirming reception of this station. The wavelength is now changed to 49 metres, but no schedule is available at present to give the operating times of this station. Strength here is not very great at present, but their modulation is always good.—R.T.S. (Christchurch).

DX Topics

A Unique Reception.

I AM using a four-valve screen-grid New Zealand-made set, and it would be hard to beat. I have heard a lady in London jump out of bed (we hope you had the delicacy to switch your set off—Ed.) and knock a flower-stand over in her eagerness to answer a telephone call from VK2ME, Sydney. I have heard the clocks ticking in the studio of station 2BE, Hastings, and 2AX, Palmerston North, suggested putting a bluebottle on the "mike" to see if I could hear it crawling. (Beware of "Diogenes," Cromwell—Ed.) Has any D.X.-er heard 2BO, Cape Maria? I heard him conversing with 2AX some time ago. The former operator has a brother in Gore who is also a "ham." I have heard all the New Zealand amateurs and several Australians. I have been listening-in for years, but have never experienced a better season than this, both on the broadcast and short-wave bands. The Australian and Japanese stations roar in; so does the Russian station and Manila. The latter has evidently raised its wavelength. I am using a 135-volt "B" battery and a 409 instead of a pentode. I am situated three miles from the coast. My aerial is 130ft. long (45ft. high), and I am using a buried kerosene tin with a soldered cable for an earth.—"W.A.M." (Moumohaki).

News From Costa Rica

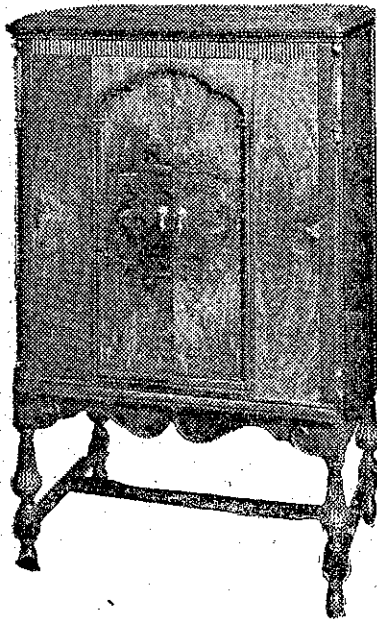
I HAVE received an interesting pamphlet from America setting forth the aims and objects of station NREL. A live-

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?

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WELLINGTON.

ly and interesting story of the smallest radio station in the world, by Cespedes Marin, the owner, is being published shortly, and radio enthusiasts are invited to send two dollars to acquire the publication when printed. It is to be called "Me and the N.R.H." The wonderful DX of little station NRH, of Heredia, Costa Rica—working with $7\frac{1}{2}$ watts and 500 volts power—is to be revealed by the owner and author, covering 24 months of continuous night in and night out broadcasting, on 30.8 metres, a radius of six thousand miles with loudspeaker volume. Mr. Amando Cespedes Marin, Radio Station NRH, Heredia, Costa Rica, A.C., is the owner, operator, and producer.—R. Leslie Jones (Wellington).

A Substantial Log.

SHORT-WAVE reception does not appear to have improved much this year, but I recently logged two foreigners on the 80-metre band. 3RO, Rome, which can be heard most mornings of the week at good speaker strength, and G2GL, the call sign of the s.s. Homeric, which has been heard working G2AA, London. My log for broadcast stands at 91 stations (42 verified), and short-wave at 115 stations (53 verified), making a grand total of 206 received over a period of one year's listening.

If dx'ers would state what well-known stations their new loggings are in closest proximity to, then it would be a much simpler process to identify or log them, e.g., WENR, just below 2BL—"Unconscious" (Timaru).

NRH, Costa Rica.

A VERY interesting letter, diploma and leaflets describing this wonderful little $7\frac{1}{2}$ watt Spanish short-wave station were received from the owner, operator, announcer, Mr. Amando Cespedes, Marin. Reports of reception have been received by this enthusiastic amateur from 26 countries, the most distant being New Zealand—about 8000 miles.

The letter, in rather colloquial American, reads as follows:—"Dear Mr. Selens,—I have your letter of May 4, just one month to-day, and very glad to hear from you. Your diploma and else dope herewith enclosed to satisfy you a plenty. Will not write much because you will have many news from all that dope, which will surprise anyone.

"You are the third one to report this NRH. Mr. A. P. Morrison, of your city, was the first one; then Mr. H. Adcock, of Masterton, the second, and now your own. Those reports came one after another, which seems that New Zealand is a very good place for receiving. The best report is from Mr. Adcock, as he copied all my programme and all I said very clear and on a two-tube set from 2.30 to 3.30 p.m., your time. Now I am one hour advanced on account of eastern daylight saving in U.S.A., where thousands do hear me and report me by the bunches. My book will have a special chapter on New Zealand, containing the three reports and the great achievement of a $7\frac{1}{2}$ watt amateur broadcaster, the unique in this world. Hope that my English will satisfy you and that you can understand no matter if broken up, but queer and lively. I am an old man of 49 years, yet I have to feel like a boy to reply to over 100 letters per week. If you feel like helping toward my book, please do it that you will be making a help towards the world of radio fanship."

A D.X. Four-Valver.

ON August 13 I was successful in logging 3 more Americans, KMTR, Hollywood, KPRC, San Francisco, and KSL, Salt Lake City. This brings my total of Americans to 24 on a 4-valve set. As well as these I have received 23 Australians, 22 New Zealanders, 7 Japanese, and 7OL Caucutta, most of which are verified. I have also received about 40 short-wavers on the same set, and I can only tune down to 28 metres. I should like to know how many stations other listeners using a 4-valve all-wave set can receive. E.W.A. (Nelson).

A Seldom-Heard American.

AT 5.30 p.m. on 5/8/30, I picked up station WCAL, Northfield, Minneapolis, U.S.A. Reception was very clear, and we held the station for about one hour. It has not been reported as heard in New Zealand.—W.B.

A Good Log.

CONCERNING DX reception in the city, the Americans are coming in at great strength now, on the speaker. On 10/8/30, three Americans were heard. I logged KMOX on 1090 kc. (275m.) on the speaker, loud, and with great clarity, signing off with "The Midnight Serenade," at the conclusion of their request programme. WENR, Chicago, on 345 metres (870 kc.), was at good strength at 5.35 p.m. At 10.15 p.m. KFOX, Long Beach, California, on 239 metres (1255 kc.) was coming in at great strength. A

Audibility Signs

New readers have inquired the meaning of the "R" signs used in the log each week. The British "R" system of indicating audibility is used by all amateurs at the present time. The meaning of the various "R" signals are as follows:—

- R1—Faint signals, just audible.
- R2—Weak signals, barely readable.
- R3—Weak signals, but readable.
- R4—Fair signals, easily readable.
- R5—Moderately strong signals.
- R6—Strong signals.
- R7—Good strong signals, readable through much interference.
- R8—Very strong signals, audible several feet from the 'phones.
- R9—Loud speaker strength.

dance number, "Out Where the Little Moonbeams are Born," was heard, and at 10.30 p.m., "Three o'Clock in the Morning" was played at the signing off. My log now consists of 39 verified short-wave and 41 verified long-wave, totalling 80 verified stations.—A. D. Rogers (Wellington).

A New American.

ON July 15 I logged KHQ, Spokane, Washington, transmitting a few degrees below 7ZL. One of the numbers noted was "Dancing with Tears in My Eyes," a song which is evidently very popular in the States just now. Also on 9/8/30 I tuned KTAB Oakland in on 535 metres (560 kc.) in time to hear them closing down at 8.30 p.m. They announced that the station was operated by "Associated Broadcasters," but I am not sure if this is correct. On 10/8/30 at 5 p.m. I received WFAA Dallas, Texas, at good strength, so loud, in fact, that I plugged in the loudspeaker, and music was audible all over the room. This station, 8000 miles away, being heard on my three-valve set at RS, I consider good reception. The same evening KFI came in very strongly, and I heard the announcer say that every Saturday night their orchestra would play a number of old-time songs for a quarter of an hour, commencing at 11.30, Los Angeles time. Listeners have to guess the names of the pieces played, and the winner gets a free ticket to the R.K.O. theatre in Los Angeles. The announcer then erad the order of winners of last week's competition. I always find KFI the most reliable of all American stations.—"Reinartz" (Auckland).

New Schedule for PCJ.

I RECENTLY received a verification from PCJ, Holland, and on it they give a new schedule for transmission. Times given are as follows (corrected to New Zealand time):—
Friday: 5.30 a.m.—7.30 a.m.; 10.30 a.m.—2.30 p.m.
Saturday: 5.30 a.m.—7.30 a.m.; 11.30 a.m.—5.30 p.m.—M. W. (Wellington).

New Loggings.

ON August 6 I logged KROW, Oakland, California. This station closed down at 6.30 p.m., "in favour of KFWI, San Francisco," which came on the air a few minutes after. Apart from the first call and a few words, reception was then too weak to listen to. Frequency was given as 930 k.c. (322 metres). An August 18KGHF, Hot Springs, was very strong indeed. I don't think even a very good imagination could have done justice to the way he came in. He was broadcasting election results, interspersed with musical items. He comes in about 1 degree above KNX. 22T drowned him out at 6.15 p.m. I cannot find his call in the "Call Book," so he must be a new station.—"Ray Dio" (Shannon).

Reception from Overseas.

THE new station 5AD, Adelaide, 229 metres (1310 k.c.), comes in as clear as a bell, with no distortion or fading. His baritone solo "My Little Gipsy Sweetheart" at 9.50 p.m., was better than I had heard anywhere. I had just previously been listening to 3BA, Ballarat. His transmission was weak and inclined to fade. His power is 50 watts on 231 metres (1300 k.c.). I afterward logged 5KA, Adelaide, 250 metres (1200 k.c.), and he also was putting over some good stuff. I also managed to "bag" another American, KLO, Ogden, Utah, on a request programme of gramophone records. He invited listeners to ring him up, report on reception, and let him know their favourite records. KGBM, KFOX, KGER, and WOAI were also going "great guns." The projected DX competition will, no doubt, stimulate DX hunting and increase the revenue of the Post Office, but how am I going to "foot it" with old stagers like "Kauspanka" and S. R. Ellis? We youngsters will have to look to our laurels. Good luck to the uncrowned DX king! I am prepared to do him homage. — "Amazon" (Palmerston North).

Special N.Z. Programme.

TO-DAY I received certification from WTAM, Cleveland. They mention that they are putting on some special New Zealand programmes, about 2 a.m. E.S.T., and will go till daylight there, so they will be going all the evening here. This will be in September.—E. W. Anglesey (Nelson).

News from the States.

WRITING to Mr. R. Leslie Jones, Lyall Bay, Mr. Fred Easter, Ohio, U.S.A., states that WSXK operates daily on 11.880 kc., between the hours of 12.00 (noon) and 10.00 p.m., Eastern daylight saving time. On Wednesday and Saturday two other short-wave transmitters are operated, as follows: 8.00 a.m. to 12.00 (noon), Eastern daylight saving time, WSXK, on 19.7 metres, or 15.210 kc.; also 5.00 p.m. to 12.00 (midnight), Eastern daylight saving time, WSXK, on 48 metres, or 6140 kc. Eastern daylight saving time is four hours earlier than Greenwich mean time. Mr. Easter goes on to say: "I used to hear KDKA on a crystal set back in 1923. I received Hastings, Nebraska, on the same set in the winter of 1924 (station KFKX); this was my greatest DX on a crystal (650 metres)."

Trans-Atlantic telephone uses about 5000 metres. HRB is now on 49.9 metres, using 2000 watts power, and should be good in New Zealand, says the writer. VRY now has 120 watts power. Mr. Easter says KAIKR on 31.3 metres is not heard; this station refuses to come in. The R.C.A. receiving station at Riverhead, Long Island, have the last word in receiving and amplifying equipment. They have provisions for overcoming fading and employ directional receiving antenna which pick up a signal that could not be heard with the ordinary receiving aerial, there being a great number of short-wave stations there for communicating with all parts of the world, the signals being picked up from many foreign countries and sent over (Concluded on page 27.)

ON a recent night "Switch" listened to an animal and bird imitator performing at the Japanese station, JOHK, Sendai, which transmits on a wavelength slightly shorter than that of 4QG, Brisbane. The entertainer, judging by his remarks, which were interpreted for the writer by a Japanese visitor, was somewhat of a comedian. He gave some very clever imitations of the whistling of various birds, and the mournful note of the curlew was particularly well done. His imitations of a cat and a puppy were very realistic. By the way, listeners are frequently disappointed when they cannot pick up the Japanese stations. This is caused, however, by the latter's frequent observance of intervals in their programmes.

ON a recent Sunday evening, shortly after 5 o'clock, the writer picked up a Lyall Bay amateur transmitter talking on 'phone to another transmitter in Wanganui. "Switch" was using an ordinary broadcast a.c. receiver, and got the conversation on about 200 metres. "Switch's" home is over two miles in a direct line from the Lyall Bay man, and this seems to show how easy it must be for one living in their vicinity to pick up, on the broadcast band, some amateur transmissions.

THE proposed challenge yacht race from Melbourne across the Tasman Sea to New Zealand would lose a tremendous amount of public interest if the yachts did not carry radio transmitters. The Melbourne yacht carried a transmitter last season in the race across Bass Strait to Tasmania. The yachts, by means of short-wave transmitters, could keep the world posted on their progress, positions, and the kind of weather they were experiencing. The YA stations would be able to pass the news along at prearranged periods. The question of safety to which a radio transmitter would contribute cannot be overlooked.

SOME nights ago the writer picked up 2ZF, Palmerston North, broadcasting gramophone records at a very late hour. The Manawatu station appeared to have shortened its wavelength considerably. The tone was generally good, but there were brief cycles of fading, though not intense.

A FAMILIAR question has come to hand from "T.N.G." (Petone). He asks whether a T aerial is better for broadcast reception than an inverted L aerial. The latter is universally proclaimed as the more suitable for broadcast reception.

"SWITCH" has received authentic news of 2FC, Sydney, being received with fair loudspeaker volume on a four-valve portable receiving set located at Papanui, Christchurch. The set was used without an aerial or earth connection. This must be conceded to be a good performance for a little portable set, which, it may be mentioned, was of English manufacture.

IF one wants to be provided with a mirth-making programme, he has only to tune in the Sydney broadcasts

Reception Table for Australian Stations

FOR the guidance of those who wish to check their reception of the Australian stations, "Switch" prepares weekly a table showing the average relative strengths with which he has obtained reception at 11.30 p.m. during the past week:—

2FC, Sydney	10
2BL, Sydney	8
3LO, Melbourne	7
4QG, Brisbane	7
3AR, Melbourne	6
2GB, Sydney	4½
2UE, Sydney	4
3UZ, Melbourne	4
7ZL, Hobart	3
3DB, Melbourne	2½
5CL, Adelaide	2
2KY, Sydney	1½

The above figures are the points assessed, with 10 as the maximum.

of the Monday night community singing in the Ashfield Town Hall. The master of ceremonies is a born comedian, and his witticisms are responsible for roars of laughter. Judging by his remarks, he receives many letters from New Zealand listeners. A commendable idea is the additional

help of the Ashfield Band, which provides a break in the community singing.

MRS. CLINTON-HUNT'S concert party contributed a delightful programme from 2YA recently. The items, comprising choruses, part songs, duets, and solos, were judiciously selected, and "Switch" learns that the studios received several telephoned requests for encores. The party comprised fifteen ladies who had practised under the baton of Mrs. Clinton-Hunt, a lady who has a fine conception of musical art and appreciation of public taste. The items were uncommon and delightfully tuneful.

AN uncommon item was recently broadcast by 3LO, Melbourne, when an Australian "snake charmer" gave an address on the secrets of his profession. His talk abounded in interest, and he revealed several mysteries which were not known to many who had lived for many years in the backblocks. The average backblocks Australian settler does not trouble to study snakes, his ritual providing only for the speedy dispatch of same.

"SHIRLEY" (Miramar) writes suggesting that the ages of all juvenile performers at the children's sessions should be announced. "This," she says, "would add greatly to the appreciation of the efforts of these clever little entertainers. Our children contend that the kiddies broadcasting are

much older than I believe them to be. Anyhow, if their ages were announced in every case an additional interest and pleasure would be derived from the children's sessions."

THAT there are still a few who prefer to build their own sets is evidenced by a Wellington radio dealer who disclosed to "Switch" his sales of minor parts over the past six months. The chief demand, however, would appear to come from builders of short-wave sets. Some owners of a.c. broadcast receiving sets seem to prefer a small battery-model short-wave set as against the more costly a.c. short-wave receiver.

THANKS to 2YA, the news of the Invercargill by-election was promptly radiated all over the Dominion. It is on special occasions like this when broadcasting proves its incomparable utility as a disseminator of news. This was borne out by the number of people throughout the Dominion who listened to the broadcast description of the fourth test match. In various towns scores of people were grouped around loudspeakers placed conveniently for the public to hear the running description of the game.

AN ex-hospital patient informed "Switch" that he is convinced the broadcast description of the fourth Test match, to which he listened while lying on his back, did more to put him on his feet than all the medical treatment and kind attention of the nurses. He said: "From the moment I heard the cheering when the teams took the field until the final whistle I completely forgot that I was lying in a hospital, and for hours afterward I felt a joyous thrill as I went over in my mind every moment of the game so graphically described by Mr. Lamberg. Good-luck to him, to 2YA, to the Broadcasting Co., to the Rugby Union and to both teams!"

THE general opinion expressed to "Switch" concerning the broadcast description of the Fourth Test was that it was the best yet heard over the air in New Zealand. Mr. Lamberg certainly excelled himself, and the writer, who was unable to witness the epic struggle, heard the broadcast description with the profoundest appreciation for the man in front of the microphone.

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Feature Peeps at Future Programmes

MONDAY

2YA Notes.

Competitions Broadcast

MR. H. C. KENT, of General Motors, Ltd., will give another of the interesting series of talks on "The Motor."

The whole of the evening's programme will be devoted to a relay of items from the Wellington Competitions Society's Festival. Competitors from all over New Zealand will participate. An entertainment of merit and interest is assured.

Christchurch Broadcast.

AT 7.30 p.m. Mr. C. H. Reece, late of the State Forestry Department, will speak on "Tree Surgery."

The concert will be provided by the Woolston Band (Conductor, Mr. R. J. Estall), and the following artists: Miss Muriel Johns (soprano), Mrs. J. A. Stewart (mezzo-soprano), Mr. Percy A. Caithness (baritone) and Miss Ruby Boot (elocutioniste). Bandsman Ohlsen will play as a cornet solo "God is our Refuge," and will take part in a cornet duet, "Sandy and Jock," with Bandsman Annand. Bands-

man H. Biggs will present a xylophone solo, "Chu Chin Chinese," to band accompaniment.

Items From 4YA.

SOME very fine quartettes will be sung by The Majors at 4YA. The numbers will comprise: "The Chough and Crow," "The Redesdale Lassie," "Laughing Chorus" (Root), "Love Me Little, Love Me Long," "The Keel Row," "It Was a Summer Morning" and "Curfew." There will be solos by Miss Freda Elmes (soprano), Miss G. Burt (contralto), Mr. W. Harrison (tenor) and Mr. L. M. Cachemaille (bass). An instrumental quintette will play Kern's "Beauty Prize," Ring's "Carnival Suite," a selection from Monckton's "Dancing Mistress" and a fantasia by Finck, "Day in Paris." As a pianoforte solo, Mrs. C. Drake will play Chopin's "Berceuse." Miss E. Newbold will recite.

Silent Day at 1YA.

TUESDAY

1YA's Programme.

Spelling Bee

AT 3.15 p.m. Mrs. Les Crane will continue her talks on "The Beauty of



MISS DOROTHY LOVELACE MILNE, soprano, one of the more recent 1YA artists.

—S. P. Andrew, photo.

Mind and Body in Relation to Diet." At 7.15 p.m. Mr. R. Talbot will give a further talk on "Motoring."

The feature of the programme will be the spelling bee competition (referred to elsewhere). The supporting concert programme will be contributed by the Studio Trio and Mr. J. M. Clark, elocutionist.

Gleanings From 2YA.

Eight O'Clock Revue

THE weekly talk to farmers will be given from 2YA this evening at 7.40 by a representative of the Department of Agriculture.

"The Eight O'Clock Revue" will be featured in the concert programme from 2YA. A talented combination under the able direction of Mr. Will Bishop, assisted by the Salon Orchestra, will give an hour and a half of bright popular entertainment, after which the usual dance programme will be presented.

Silent Day at 3YA.

Notes From 4YA.

THE St. Kilda Band, under Mr. J. Dixon, will provide the programme at 4YA. The whole evening's concert will be of a popular nature. The vocal soloists will be Miss Daphne Pearce (soprano), Miss M. Teviotdale (contralto) and Mr. Ed. Bond. Miss M. Seelye, elocutioniste, will recite poems by Yeats and Kipling. Included in the band items will be a cornet solo, "In a Monastery Garden," and a trombone solo, "The Switchback," both with band accompaniment.

WEDNESDAY

Auckland Features.

THERE will be the usual relay of the community singing at the Town Hall from 12.30 p.m. At 7.40 Mr. Norman Kerr will continue his interesting and instructive talks on "Physical Culture."

The main portion of the evening programme will be given by the Birkenhead Municipal Band under the direction of Lieut. J. T. Lighton. This band, composed mainly of young players, is steadily making a name for it-



MR. D. W. FAIGAN, or, as he is more widely known, "Uncle Dave" of 1YA.

—S. P. Andrew, photo.

SUNDAY

Notes from Auckland.

THE evening service will be relayed from the Baptist Tabernacle, the preacher being the Rev. Joseph Kemp, and the organist and choirmaster Mr. A. E. Wilson. Mr. Wilson has arranged some very fine music for this evening, and as the Tabernacle possesses one of the finest choirs in Auckland, listeners will hear some splendid renditions of sacred music, given not for its entertaining worth but for the place that music has in church worship. Following the church services there will be a studio concert which will include instrumental trios by the Studio Trio and pianoforte solos by Mr. Eric Waters. Mr. Tom Moffitt, one of Auckland's popular tenors, will sing ballads. Miss Myra Monk, soprano, will be heard at 1YA for the first time. Miss Monk has an excellent voice and a gift for interpretation.

2YA Features.

CANON PEROIVAL JAMES will be the preacher in St. Paul's Pro-Cathedral, Wellington, on Sunday evening when the service will be broadcast. The relay of a concert to be given in St. James Theatre by the Wellington Municipal Band will follow.

From 3YA.

Relay from Timaru

THE service conducted in St. Paul's Presbyterian Church by the Rev. Bower Black will be broadcast. There will follow the relay from Timaru of a concert to be given in the Theatre Royal by the Timaru Cadet Military Band under Mr. G. A. Booth.

4YA Notes.

THE Rev. A. Mead will be the preacher at Moray Place Congregational Church on Sunday evening, when the service will be broadcast. Mr. Alfred Walmsley is the choirmaster. The relay of a concert by the Kaikorai Band, to be given in His Majesty's Theatre, will follow.



MR. AND MRS. RAY KEMP,

two members of the Etude Quartette, a popular vocal combination, who appear regularly from 2YA. These two artists are also well known in amateur theatrical circles in Wellington.

—Andrew, photo.

self in Auckland, and this will be the first opportunity listeners generally will have of hearing it. A new vocalist will appear in the person of Mr. S. Hislop, a young bass-baritone, who will sing "Drake Goes West," "Tally Ho!" and "Aylesbury Ducks." Mr. J. F. Montague will give further humorous sketches from his extensive repertoire, and Mr. William Leo Benbow, who has often appeared at 2FC, Sydney, will be heard in vocal numbers, accompanied by the Spanish guitar.

Silent Day at 2YA.

The Programme from 3YA.

THE vocalists will be Mrs. Graham Jamieson (mezzo-contralto), Mr. Syd. Andrews (tenor), and Mr. Fred A. Bullock (baritone), while elocutionary items will be given by Miss Dorothy Jenkin. The instrumental portion of the programme will be provided by Miss Lucy Fullwood (pianiste), and the Studio Octet, which will play "Folk Tune and Fiddle Dance" (Fletcher), a selection from "La Traviata," Bellini's overture "Norma," incidental music to "Monsieur Beaucaire," and Ern's "Pulcinello." The

concert items and continuing with dance music till 11 p.m. The vocalists for the evening will be Miss Jean Johnson (contralto) and Mr. Sydney Armstrong (baritone). Mr. George Titchener will dispense humour. "Cello solos by Mr. Harold Beck will be "Skye Boat Song" and Becker's "Minnetto."

Civic Farewell Broadcast

THE Hon. G. W. Forbes, who is to represent New Zealand at the Imperial Conference, will be given a civic farewell in Wellington on Saturday evening, August 23. Speeches will be made by Mr. Geo. Troup (Mayor of Wellington), the Rt. Hon. J. G. Coates (Leader of the Opposition), and Mr. H. E. Holland (Leader of the Labour Party). Mr. Forbes will reply. The proceedings will be broadcast.

From 4YA.

AMONG the songs to be heard will be: "A Song of Autumn," "Summer Afternoon," "Blind Ploughman," "Crown of the Year," "Fishermen of England," "Marcheta," "The Diver," "Flute Across the Lake," "Ash Grove," and "Mary of Argyle." The vocalists will be Miss M. Isobel Crowe, Miss Betty Hamilton, Mr. R. A. Mitchell, and Mr. B. C. Bellhouse. Miss Leonore Mackenzie will give three elocutionary items. There will be instrumental items by Mr. Max Scherek (piano), Mr. P. J. Palmer ('cello), and the 4YA Trio.

THURSDAY

"Meatless Meals."

FROM 1YA, 2YA, and 3YA, the afternoon talk, prepared by the Home Science Extension Department of Otago University, will be on "Meatless Meals."

At 1YA.

AT 7.40 Mr. N. M. Richmond, Director of the W.E.A., will commence a series of talks on "Problems of Capital and Labour."

A popular programme has been arranged for this evening. It includes the New Clarion Quartet, consisting of Miss Lillian Woods (soprano), Miss Beryl (Smith) (contralto), Mr. Lambert Harvey (tenor), and Mr. Duncan Black (bass). The quartet enjoys an enviable reputation in the Auckland Province, and they have many calls for professional work. The members are all prominent soloists, and some excellent item are assured. Mr. Frank Wade and his Melody Boys, an instrumental combination already very popular with listeners, will again be heard. The Asquiths will give a twenty-minute drawing-room entertainment, and humour will be supplied by Mr. T. T. Garland. The programme will conclude with dance music, the station closing down at 11 p.m.

2YA Notes.

Spelling Bee

THE speaker for the weekly home science talk at 2YA is Miss Imelda F. Meadows, a graduate of the Home Science Extension Department of Otago University.

This evening's programme will be one of the most novel that has been

given from this station in that it will feature the "Radio Record" Spelling Bee. The supporting concert programme will be given by Miss Christina Young, Mr. Les. Stapp, and Mr. Claude Bennett.

Miss Young was one of the first artists to perform from this station, being a soloist on the opening programme. On that occasion Miss Young featured Maori songs, but to-night she will be heard in a Mexican folk song, "Caram Carmela," May Brahe's "Country Folk," and Gwynne's Morris's "I'm Longing for the Spring." Mr. Les Stapp is a young tenor from the West Coast. He has an excellent radio voice. His numbers will comprise a ballad by Elsie Strickland, "Mir Johan" and two Irish songs, "Molly Brannigan" and "Sweet Lady." Mr. Claude Bennett, who is well known on the Fuller circuit, will feature piano novelty numbers.

Christchurch Features.

THE talk to farmers will be given by Mr. R. McGillivray, of the Department of Agriculture, the subject being "Potato Certification." This talk has been arranged for by the 3YA Primary Productions Committee.

The Grand Opera Quartet—Madame Gower Burns, Miss Alice Vinsen, Mr. Ernest Rogers, and Mr. J. Filer—will sing concerted and solo numbers. The quartets will include Mendelssohn's "Departed" and Lane Wilson's "Come All Ye Lads and Lasses." As duets, "The Fishers" and "On Wings of Song" will be sung. An orchestral programme will be given by the Studio Octet.

Silent Day at 4YA

FRIDAY

1YA Gleanings.

MR. B. S. JONES will begin a series of radio service talks on "How to Get the Best From Your Receiver."

The Orchestral Octet will be heard in some very interesting numbers, including the "Mosaic" overture (by Rolinson), "In a Fairy Realm" (by Kettelbey), and selections from "The Chocolate Soldier" (by Strauss).

Miss D. Lovelace Milne, who created such a favourable impression with her last appearance at 1YA, will again be heard. She has a delightful light soprano voice, and also infuses into her singing a great gift of interpretation.

Mrs. Evelyn M. Prime, who is acting as studio pianist during Mr. Cyril Towsey's absence, will be heard in a pianoforte solo. Another new singer to 1YA will be Mr. Peter Baxter, a young baritone from England, who will make his debut through the microphone in New Zealand. He has chosen three fine numbers, "The Slighted Swain," "Her Picture," and "Don Juan's Serenade." There will be a further talk on "Sidelights of Parliament" by Mr. L. J. Cronin, whose previous talks on this subject have been very much appreciated. The programme will conclude with a gramophone lecture-recital of the latest recordings, a very popular feature of this station's programmes.

Outstanding From 2YA.

"Merrie England"

THE concert programme this evening will feature the Etude Quartette in vocal gems from "Merrie England." This Comic Opera by Edward German is well suited for the demands of either concert version or radio performances.



MR. LEO O'MALLEY,

A baritone, who broadcasts from 1YA.
—Andrew, photo.

whole concert will provide an entertainment of a high standard.

On the Air from 4YA.

THE Home Science Extension Department of Otago University will broadcast a talk this afternoon on "Salads." At 7.15 Mr. G. A. Holmes will speak to farmers on "The Improvement of Poor Pasture." Both talks are under the auspices of the 4YA Primary Productions Committee.

The Novelty Syncopaters will help to brighten the evening's concert. Numerous popular melodies played by them will intersperse the programme. There will also be piano novelties by Mr. J. M. Wilson, while Messrs. J. McCaw and T. Law will play a saxophone duet, "Slip'n' Sax." The vocal portion of the programme will be contributed by Miss T. C. Blackman (mezzo-soprano), Miss D. Youd (contralto), and Mr. D. Wrathall. Mr. A. Gorrie will give a lecture-recital, "Twelve Minutes With Kipling."

Dance Items

Notes from 3YA.

THE Bailey-Marston Dance Orchestra will be featured, interspersing the



MR. ALAN BROWN.

who appears regularly from 3YA.
—Steffano Webb, photo.

The items will include such well-known numbers as the quartet "In England, Merrie England," the baritone (Concluded on page 29.)

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Full Programmes for Next

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Sunday, August 24

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, AUGUST 24.

- 3.0 : Afternoon session—Selected studio items, including literary selection by the Announcer.
 4.30: Close down.
 6.0 : Children's session, conducted by Uncle Bert.
 6.55: Relay of Divine Service from Baptist Tabernacle. Preacher, Rev. Joseph Kemp. Organist, Mr. A. E. Wilson.
 8.30: (approx.) Orchestral—Madrid Symphony Orchestra, "Noche de Arabia" (Arabian Nights) (Arbos) (Columbia 02923).
 Soprano—Miss Myra Monk, "My Dearest Heart" (Sullivan).
 Instrumental trio—The Studio Trio, "Extract from Second Symphony."
 Tenor—Mr. Tom Moffitt, (a) "Maire, My Girl" (Aitken); (b) "Sometimes in Summer" (Bennett).
 Piano—Mr. Eric Waters, "Adagio from Sonata D Major" (Beethoven).
 Orchestral—New Queen's Hall Orchestra, "Slavonic Dance in G Minor."
 Soprano—Miss Myra Monk, (a) "Sing, Sweet Bird" (Ganz); (b) "Night and Dawn" (Liddle).
 Instrumental trio—The Studio Trio, "Reve Angelique" (Rubenstein).
 Tenor—Mr. Tom Moffitt, "O Lovely Night" (Landon-Ronald).
 Piano—Mr. Eric Waters, "Impromptu G Flat Major" (Chopin).
 Male choir—Don Cossacks, "Vetshernij Svon" (Evening Bells).
 Instrumental trio—The Studio Trio, (a) "Serenade" (Haydn); (b) "Cradle Song" (Schubert).
 Orchestral—B.B.C. Wireless Symphony Orchestra, "La Boutique Fantastique" (Respighi—arrgd. Coward).
 9.30: (approx.) God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, AUGUST 24.

- 3.0 to 4.30: Afternoon Session of selected gramophone records.
 7.0 : Relay of Evening Service of St. Paul's Pro-Cathedral, Muirgrave Street, Wellington. Preacher: Canon Percival James. Organist and Choirmaster: Mr. Robert Parker.
 8.15 approx.: Relay from St. James Theatre of the Band Recital of the Wellington Municipal Tramways Band. (Conductor Mr. E. Franklin).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, AUGUST 24.

- 3.0 : Afternoon Session Gramophone Recital.
 4.30: Close down.
 5.30: Children's Song Service from Children of Presbyterian Sunday Schools, conducted by Rev. McNuer.
 6.15: Musical interlude from studio.
 6.30: Relay of Evening Service from St. Paul's Presbyterian Church, Cashel Street. Preacher: Rev. W. Bower Black. Organist: Mr. Norman Williams. Choirmaster: Mr. H. Blakeley.
 From Studio:
 7.45: 'Cello—Mr. Harold Beck, "Adagio Pastorale" (Handel).
 Instrumental—Trio, Christchurch Broadcasting Trio, "From Trio in D Minor Allegro Moderato" (Arensky).
 8.15 approx.: Relay of Charity Concert from the Theatre Royal, Timaru, by Timaru Cadet Military Band (Conductor G. A. Booth).
 March—Band, "Stars and Stripes" (Sousa).
 Selection—Band, "Iolanthe."
 Festal March—Band, "Cornelius."
 Hymn—Band, "Abide With Me."
 Assisting Artists: Mesdames W. I. Tait, N. O. Mangos, F. M. Drewitt.
 Miss L. Greig, Messrs. R. Holdgate, H. Holdgate, N. Osborne, G. Andrews.
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, AUGUST 24.

- 3.0 : Chimes. Selected Gramophone Items.
 4.30: Close down.
 5.30: Children's Song Service, conducted by Big Brother Bill.
 6.15: Close down.
 6.30: Relay of Church Service from Moray Place Congregational Church. Preacher: Rev. A. Mead, M.A. Choirmaster: Mr. Alfred Walmsley.
 7.45: Alfred De Greef and Royal Albert Hall Orchestra, "Hungarian Fantasia" (Liszt) (H.M.V. 1306-7).
 8.0 : Chimes. Relay of Charity Concert from Theatre Royal, Timaru, by the Timaru Cadet Military Band, and assisting artists. The Band will play, March, "Stars and Stripes" (Sousa). Selection, "Iolanthe" (Sullivan). Festal March, "Cornelius." Hymn, "Abide With Me."
 9.30: God save the King.

Monday, August 25

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, AUGUST 24.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, AUGUST 25.

- 3.0 : Chimes. Selected Studio Items.
 3.30 and 4.30: Sporting results to hand.
 4.55: Close down.
 5.0 : Children's Session, conducted by Uncle Jeff.
 6.0 : Dinner Session, "Columbia" Hour.
 Overture—Basle Symphony Orchestra, "Der Freischutz" (Weber).
 6.12: Tacet.
 6.15: Instrumental—J. H. Squire's Celeste Octet, "The Grasshoppers' Dance."
 Instrumental—"The Butterfly" (Bendix) (3608).
 Musical Art Quartet, "To a Wild Rose" (MacDowell) (01506).
 Violin—Yvonne Curti, "Madrigale" (Simonetti) (01529).
 6.27: Tacet.
 6.30: Instrumental—J. H. Squire's Celeste Octet, (a) "I Love The Moon" (Rubens); (b) "Two Eyes of Grey" (McGeoch) (01213).
 Instrumental—J. H. Squire's Celeste Octet, (a) "Amoureuse Valse" (Berger); (b) "Valse Bleue" (Margis) (3643).
 6.42: Tacet.
 6.45: Instrumental—J. H. Squire's Celeste Octet, "Valse Caprice."
 'Cello solo—W. H. Squire, "Sarabande" (Seitzer) (04283).
 Instrumental—J. H. Squire's Celeste Octet, "Perpetuum Mobile."
 6.57: Tacet.
 7.0 : News session, market reports and sports results.
 7.40: Lecturette—Mr. H. C. Kent, of General Motors Limited, "The Motor."
 8.0 : Chimes.
 From the Town Hall:
 A relay of the second night of the Wellington Competitions Society's 1930 Festival.
 Piano duet—"Husaren Marsch" (Gurlitt).
 Action Recitation—Boy or Girl—12 years and under 16.
 Vocal solo and accompaniment—Gentlemen vocalist, lady or gentleman vocalist.
 1. Mr. Hamilton Dickson, Christchurch, "Golden at My Feet."
 2. Mr. Ernest Glading, Petone, "Au Pays" (Holmes).
 3. Mr. A. Flanagan, Wellington, "When the King Went Forth to War" (Koenemann).
 Shakespearean Recitation, Gentleman—"Anthony's Speech" (Julius Caesar Act 3, Scene 1).
 Mezzo-soprano solo—"The Lass with the Delicate Air" Key G (Arne).
 Children's Action Song—Kilbirnie Convent School, "The Glow Worm."
 Joan Maunder's Children's Chorus, "Come Lassie and Lads" (Old English).
 Humorous Recitation—Ladies.
 Ballet in Costume—Mr. Joe Knowsley's School of Dancing "Way Out West."
 Contralto Solo—"Sea Rapture" (Eric Coates).
 Dicken's Character Sketch—Gentleman, "Own Selection."
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, AUGUST 25.

- 3.0 : Afternoon session—Gramophone recital.
 4.25: Sports results.
 4.30: Close down.
 5.0 : Children's hour, "Sunny Jim and Cousin Margot."
 6.0 : Dinner session, "Columbia" hour.
 Band—B.B.C. Wireless Military Band, "Haste to the Wedding—Folk Dance" (Arr. Cecil J. Sharp) (01809).
 Orchestral—The Elite Dance Orchestra, "In Einer Konditorei—Tango" (Raymond) (01775).
 Orchestral—New Concert Orchestra, "Life in Vienna," Part 1 and 2.
 6.12: Tacet.
 6.15: Orchestral—New Concert Orchestra, "Life in Vienna" Part 3 and 4.
 Band—Military Band (of specially selected musicians), "The Guards' Patrol" (Williams) (01830).
 Orchestral—Dinicu and His Orchestra, "Crepuscle Tango" (Bianco).
 6.28: Tacet.
 6.30: Band—B.B.C. Wireless Military Band, "The Flamborough Sword Dance" (Arr. Cecil J. Sharp) (05051).
 Orchestral—Gustav Holst, conducting the London Symphony Orchestra, "Marching Song" (Gustav Holst) (02968).
 Orchestral—Sir Hamilton Harty and Orchestra, "An Irish Symphony" Scherzo (Sir Hamilton Harty) (05024).
 Orchestral—Debroy Somers Band, "The Blue Danube Waltz."
 6.43: Tacet.

Week-all Stations-to Aug. 31

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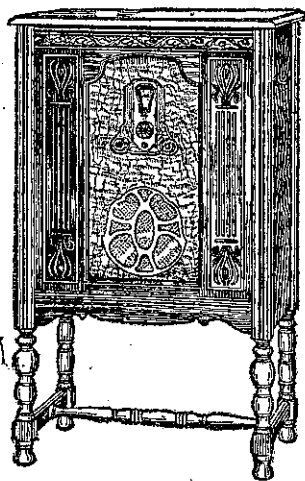
- 6.45: Band—B.B.C. Wireless Military Band, "Kirkby Malzeard Sword Dance" Folk Dance (Arr. Cecil J. Sharp) (05051).
Orchestral—Debroy Somers Band, "Wiener Blut Waltz" (Strauss, arr. Debroy Somers Band) (01860).
Orchestral—Halle Orchestra, "Londonderry Air" (Hamilton Harty).
Band—Military Band, "Ever or Never" (Waldteufel) (01830).
- 6.57: Tacet.
- 7.0: News session.
- 7.30: Talk—Mr. C. H. Reece (late of the State Forest Service), "Tree Surgery."
- 8.0: Chimes.
Band programme by Woolston Band (Conductor J. R. Estall) and assisted by 3YA Artists.
March—Band, "Ethellois" (Player).
Overture—Band, "Don Giovanni" (Mozart).
- 8.13: Baritone—Mr. Percy Caithness, "I Am Fate" (Hamblen).
8.17: Violin—Efrem Zimbalist, "Zapateado" (Sarasate) (Col. 04221).
8.21: Soprano—Miss Muriel Johns, (a) "Because I Love You Dear" (Hawley); (b) "A Lover's Wish" (Evile).
8.26: Cornet duet—Bandsmen Ohlsen and Annand (with band accompaniment), "Sandy and Jock" (Rimmer).
8.31: Recitation—Miss Ruby Boot, (a) "Lion and Horse" (A. P. Herbert); (b) "What Do the Ladies Talk About?" (A. P. Herbert).
8.37: Mandolin Band—Circolo Mandolinistica, "Semiramide Overture."
8.45: Mezzo-soprano—Mrs. J. A. Stewart, "Lorraine, Lorraine, Lorraine."
8.49: Selection—Band, "Sir Henry Bishop's Songs" (arr. Rimmer).
8.59: Weather report and station notices.

- 9.1: Orchestral—Herman Finck's Orchestra, "Schubertiana" (arr. Finck).
9.9: Baritone—Mr. Percy A. Caithness, (a) "Salaam" (Lang); (b) "Bells of the Sea" (Solman).
9.16: Novelty Orchestra—Flanagan Bros.' Orchestra, "Chicken Reel—Turkey in the Straw" (Traditional).
9.19: Xylophone—Bandsman H. Biggs (with band accompaniment), "Chin Chinee" (Green).
9.25: Soprano—Miss Muriel Johns, "A Song of Sleep" (Somerset).
9.29: Violin—Efrem Zimbalist, "Liebeslied" (Old Vienna Waltz) (Kreisler).
9.35: Recitation—Miss Ruby Boot, "The Organist" (Harry Graham).
9.40: Descriptive piece—Band, "In a Monastery Garden" (Ketelbey).
9.46: Mezzo-soprano—Mrs. J. A. Stewart, (a) "If You Were the Opening Rose" (Hewitt); (b) "From the Land of Sky-blue Water."
9.52: Novelty Orchestra—Flanagan Bros.' Orchestra, "Irish Hornpipe."
9.53: Cornet—Bandsman R. Ohlsen (and band accompaniment), "God is Our Refuge" (Carey).
March—Band, "London Pride" (Moorhouse).
God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, AUGUST 25.

- 3.0: Chimes. Selected gramophone items.
4.25: Sporting results.
4.30: Close down.
5.0: Chimes. Children's hour, conducted by Big Brother Bill.
6.0: Dinner session—"H.M.V." Hour.
Orchestral—New Light Symphony Orchestra, "Merry Wives of Windsor" (Nicolai) (C1260).
Waltz—Marek Weber's Orchestra, "Moonlight on the Alster" (Fetras).
6.12: Tacet.
6.15: Intermezzo—New Light Symphony Orchestra, "Hearts and Flowers."
Waltz—Marek Weber's Orchestra, "Wine, Women and Song" (Weber).
Wurlitzer organ—Reginald Foort, "By the Blue Hawaiian Waters."
6.26: Tacet.
6.30: Orchestral—New Light Symphony Orchestra, "The Glow-worm Idyll."
Orchestral—Victor Salon Orchestra, "Indian Love Call."
Orchestral—Victor Salon Orchestra, "The World is Waiting for the Sunrise" (Lockhart) (EA186).
Orchestral—De Groot and His Orchestra, "When Summer is Gone."
6.43: Tacet.
6.45: Orchestral—De Groot's Orchestra, "The Merry Widow" (Lehar).
Wurlitzer organ solos—Reginald Foort, (a) "Leave Me Alone"; (b) "Songs My Mother Taught Me" (Dvorak) (C1459).
6.57: Tacet.
7.0: News session.
7.40: Talk—Under the auspices of W.E.A.
8.0: Chimes. Overture—Orchestre Symphonique, "L'Arlesienne Overture, Act 1" (Bizet) (Columbia 01324).
8.9: Quartet—The Majors, (a) "The Cough and Crow" (Bishop); (b) "The Redesdale Lassie" (arr. Reay).
8.17: Selection—Instrumental Quintet, "Beauty Prize" (Kern).
8.26: Recital—Miss E. Newbold, "Mrs. Arris at the Baths" (Poultney).
8.32: Soprano—Miss Freda Elmes, (a) "A Song of Sunshine" (Thomas); "The Reason" (Del Reigo).
8.38: Suite—Instrumental Quintet, "Carnival Suite" (Ring): (1) Cavalcade, (2) Pierette, (3) Harlequin, (4) Colombine, (5) Frolic.
8.52: Bass—Mr. L. M. Cachemaille, "Songs My Mother Taught Me."
8.56: Piano—Mrs. C. Drake, "Berceuse" (Chopin).
9.1: Weather report.
9.3: Suite—Orchestre Symphonique, "L'Arlesienne Entr'acte and Intermezzo" (Bizet) (Columbia 01325).
9.11: Quartet—The Majors, (a) "Laughing Chorus" (Root); (b) "Love Me Little, Love Me Long" (Shaw).
9.17: Contralto—Miss G. Burt, "Ka-lu-a" from "The Cabaret Girl" (Kern).
9.21: Selection—Instrumental Quintet, "Dancing Mistress" (Monckton).
9.28: Recital—Miss E. Newbold, "The Village Debate" (Squires).
9.32: Violin—Joseph Szigeti, "Slavonic Dance in E Minor."
9.36: Quartet—The Majors, (a) "The Keel Row" (Traditional); (b) "It was a Summer Morning" (Traditional).
9.41: Fantasia—Instrumental Quintet, "Day in Paris" (Finck).
9.46: Tenor—Mr. W. Harrison, (a) "Casend Hill" (Clarke); (b) "Elegie."
9.53: Quartet—The Majors, "Curfew" (Thompson).
9.56: Suite—Orchestre Symphonique, "L'Arlesienne Marche des Rois."
10.0: God save the King.

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RADIO DIVISION *Hope Gibbons Ltd* WELLINGTON.

Tuesday, August 26

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, AUGUST 26.

- 3.0: Afternoon session—Selected studio items.
3.15: Talk—Mrs. Les. Crane, "The Beauty of Mind and Body in Relation to Diet."

- 3.30: Further selected studio items.
 4.30: Close down.
 5.0: Children's session, conducted by "Uncle Dave."
 6.0: Dinner session—"Columbia" Hour.
 Orchestral—Milan Symphony Orchestra, "Mignon" Overture, Parts 1 and 2 (Thomas) (05058).
 Band—H. G. Amers and the Eastbourne Municipal Band, "The Little Clock on the Mantel" (Wheeler) (01768).
 Orchestral—Jean Lensen and His Orchestra, "Millions D'Arlequin."
 6.14: Tacet.
 6.15: Orchestral—Symphony Orchestra, "Hungarian March" (Berlioz).
 Violin solo—Toscha Seidel, "Hebrew Melody" (Achror—arr. Zimbalist)
 Orchestral—Jean Lensen and His Orchestra, "Si Mes Avoient des Ailes."
 Orchestral—Bernardo Gallico and His Orchestra, "The Dance of the Dwarfs" (Noack) (05037).
 6.29: Tacet.
 6.30: Orchestral—H. G. Amers and the Eastbourne Municipal Orchestra, "Silhouettes" (Arensky): (1) Introduction, (2) La Coquette.
 Orchestral—Bernardo Gallico and His Orchestra, "The Clock is Playing" (Blaauw) (05037).
 Band—H. G. Amers and the Eastbourne Municipal Band, "Dancing Doll" (Poupee Valsante) (Podlani) (01768).
 Orchestral—H. G. Amers and the Eastbourne Municipal Orchestra, "Silhouettes," The Dreamer (Arensky (05032).
 6.44: Tacet.
 6.45: Orchestral—Zurich Tonhalle Orchestra, "Il Seraglio" Overture, Parts 1 and 2 (Mozart—arr. Busoni) (05025).
 Violin solo—Toscha Seidel, "Ave Maria" (Schubert) (05045).
 Orchestral—Symphony Orchestra, "Coppelia Ballet—Entr'acte and Valse" (Delibes) (05055).
 6.59: Tacet.
 7.0: News and market reports.
 7.15: Talk—Mr. R. Talbot, "Motoring."
 8.0: Chimes. Instrumental Trio, Selection from the Opera "Cavalleria Rusticana" (Mascagni).
 Elocution—Mr. J. M. Clark, "The Spelling Bee at Angel" (Bret Harte).

"SPELLING BEE" (AUCKLAND SECTION).

(Ajudicator, Mr. A. B. Chappell, M.A.)

Evening weather forecast and announcements.
 Instrumental trio—Studio Trio, Ballet Music from "Faust" (Gounod).
 Resumption of "Spelling Bee," interspersed with musical and elocutionary items.

STUDIO TRIO NUMBERS:

- Violin solo—Miss Ina Bosworth, (a) "On Wings of Song" (Mendelssohn); (b) "Tango" (Albeniz).
 Elocution—Mr. J. M. Clark, "Story of the Old Racer" (Mark Twain).
 Trio—Studio Trio, two numbers from the ballet "The Shoe" (Ansell), (a) "The Court Shoe," (b) "The Brogue."
 10.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, AUGUST 26.

- 3.0: Chimes. Selected studio items.
 3.0 and 4.30: Sports results to hand.
 4.55: Close down.
 5.0: Children's session, conducted by Uncle Jeff, assisted by pupils of Miss Lottie Rastall.
 6.0: Dinner session, "Columbia" hour.
 Waltz—Symphony Orchestra, "Artists' Life" (Strauss) (02577).
 Instrumental—Columbia Symphony Orchestra, "Al Fresco" (Herbert).
 Foxtrot—La Nuova Orchestra, "Di Napoli" (Romani) (3066).
 Band—H.M. Grenadier Guards, "La Paloma" (Yradier) (0987).
 6.13: Tacet.
 6.15: Instrumental—Ketelbey's Orchestra, "In a Monastery Garden."
 Waltz—Jacque Jacobs' Ensemble, "Over the Waves" (Rosas) (02556).
 6.27: Tacet.
 6.30: Instrumental—Columbia Symphony Orchestra, "Badinage" (Herbert).
 Waltz—Royal Serbian Tambouritzza Orchestra, "Kosovo" (3066).
 Waltz—Symphony Orchestra, "Tales from the Vienna Woods."
 March—H.M. Grenadier Guards Band, "Twist and Twirl" (Kottaun).
 6.43: Tacet.
 6.45: Waltz—Royal Philharmonic Orchestra, "Blue Danube" (Strauss).
 Waltz—Jacque Jacobs' Ensemble, "Espana" (Waldteufel) (02560).
 6.57: Tacet.
 7.0: News session, market reports and sports results.
 7.40: Lecturette—Representative, Agricultural Department, "For the Man on the Land."
 8.0: Chimes, followed by—

"THE EIGHT O'CLOCK REVUE."

The third instalment of a series of Grown-up Children's Hour, specially composed, written and arranged by Mr. Will Bishop.

The 2YA Salon Orchestra, under the conductorship of Mr. M. T. Dixon, will play—Overture, "Romantique" (Kela Bela); "Dance of the Rose Elves" (Moszkowski); "Les Deux Pierrots" (Drigo); "Jervington Suite" (Loughborough); "Clovetown Selection" (Haydn Wood).

- 9.30: Dance programme, "H.M.V."
 Foxtrot—The Rhythmic Eight, "I'm Doing What I'm Doing for Love."
 Foxtrot—The High Hatters, "Hoosier Hop" (Dreyer Macdonald).

- Foxtrot—Jack Hylton and His Orchestra, "Button Up Your Overcoat."
 Foxtrot—Nat Shilkret and His Orchestra, "Chant of the Jungle."
 Foxtrot—Nat Shilkret and His Orchestra, "Am I Blue?"
 9.45: Vocal duet—The Duncan Sisters, "I'm Following You."
 Foxtrot—The High Hatters, "Look for the Silver Lining."
 Foxtrot—Rudy Vallee and His Connecticut Yankees, "You're Just Another Memory" (Coots-Davis-Klages) (EA689).
 Foxtrot—The High Hatters, "Wild Rose" (Grey-Kern) (EA708).
 Foxtrot—Waring's Pennsylvanians, "Navy Blues" (Turk-Ahlert).
 Foxtrot—Leo Reisman and His Orchestra, "Happy Days are Here Again" (Yellen-Ager) (EA701).
 10.3: Waltz—George Olsen and His Music, "Romance" (Leslie-Donaldson).
 Foxtrot—George Olsen Orchestra, "A Precious Little Thing Called Love" (Davis-Coots) (EA507).
 Foxtrot—Waring's Pennsylvanians, "My Mother's Eyes" (Baer-Gilbert).
 Vocal—Daniel Haynes and Dixie Jubilee Singers, "Waiting at the End of the Road" (Berlin) (EE186).
 10.15: Foxtrot—George Olsen and His Music, "After a Million Dreams."
 Foxtrot—New Mayfair Orchestra, "There's Room in My Heart."
 Foxtrot—Nat Shilkret and His Orchestra, "That Wonderful Something" (Goodwin-Alter) (EA674).
 Foxtrot—New Mayfair Dance Orchestra, "I'll be Getting Along."
 Foxtrot—Ray Miller and His Orchestra, "Nobody's Using It Now."
 10.30: Waltz—Rudy Vallee and His Connecticut Yankees, "If You were the Only Girl in the World" (Grey-Ayer) (EA684).
 Foxtrot—The High Hatters, "I'm Following You" (Dreyer-Macdonald).
 Foxtrot—Jack Hylton and His Orchestra, "The Banjo" ("That Man Joe Plays") (Porter) (B5622).
 Vocal duet—The Duncan Sisters, "Hoosier Hop" (Dreyer-Macdonald).
 10.42: Foxtrot—Jackie Taylor's Orchestra, "A Night of Happiness."
 Foxtrot—Jack Hylton and His Orchestra, "Turn on the Heat."
 Foxtrot—Jackie Taylor's Orchestra, "Sitting by the Window."
 Foxtrot—Jack Hylton and His Orchestra, "If I Had a Talking Picture of You" (de Sylva-Brown-Henderson) (B5741).
 Foxtrot—George Olsen and His Music, "South Sea Rose."
 Foxtrot—Leo Reisman and His Orchestra, "Lucky Me, Lovable You."
 11.0: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, AUGUST 26.

SILENT DAY.

4YA, DUNEDIN (600 KILOCYCLES)—TUESDAY, AUGUST 26.

- 3.0: Chimes. Selected gramophone items.
 4.25: Sporting results.
 4.30: Close down.
 5.0: Chimes. Children's hour, conducted by Uncle Pete.
 6.0: Dinner music—"Columbia" Hour.
 Selection—H.M. Grenadier Guards Band, "New Sullivan Selection."
 Waltz—Court Symphony Orchestra, "Destiny Waltz" (Baynes).
 6.12: Tacet.
 6.15: Orchestral—Columbia Symphony Orchestra, "Idilio" (Lack) (01076).
 Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor): (1) La Caprice de Nanette, (2) Demande et Response (02588).
 6.26: Tacet.
 6.30: Suite—New Queen's Hall Light Orchestra, "Petite Suite de Concert" (Coleridge-Taylor): (1) Un Sonnet d'Amour, (2) La Tarantelle Fretillante (02589).
 Wurlitzer organ solo—Terence Casey, "I'm Lonely" (Coates).
 6.42: Tacet.
 6.45: Dance suite—H.M. Grenadier Guards Band, "Nell Gwynn Dances" (German): (1) Country Dance, (2) Pastoral Dance (01329).
 Orchestral—Columbia Symphony Orchestra, "Spring Song."
 Waltz—Symphony Orchestra, "Morgen Blatter" (Strauss) (9218).
 6.58: Tacet.
 7.0: News session.
 8.0: Chimes. Programme of music to be supplied by St. Kilda Band, under direction of Mr. J. Dixon, assisted by 4YA artists.
 March—The Band, "Red Gauntlet" (Rimmer).
 Intermezzo—The Band, "Just a Memory" (Marsden).
 8.11: Soprano—Miss Daphne Pearce, (a) "The Reason" (Del Reigo); (b) "June is in My Heart" (Vaughan).
 8.17: Orchestral—New Mayfair Orchestra, "Wake Up and Dream" (Porter).
 8.21: Recital—Miss M. Seelye, "The House With Nobody In It" (Yeates).
 8.26: Descriptive selection—The Band, "From a Russian Village" (Marsden).
 8.34: Bass—Mr. Edward Bond, "Father O'Flynn" (Stanford).
 8.38: Piano—Mrs. C. Drake, (a) "La Fille Aux Cheveux de Lin" (Debussy); (b) "Jardins Dan le Pliu" (Debussy).
 8.44: Contralto—Miss M. Teviotdale, (a) "Break, Break, Break" (Carey); (b) "Silent Moon" (Williams).
 8.51: Cornet with band accompaniment—The Band, "In a Monastery Garden".
 8.59: Weather report.
 9.1: Orchestral—New Light Symphony Orchestra, "The Glow-worm Idyll."
 9.5: Soprano—Miss Daphne Pearce, "Charming Chloe" (German).
 9.9: Male quartet—The Rounders, "Singin' in the Rain" (Brown) (EA643).
 9.12: Selection—The Band, "Pirates of Penzance" (Sullivan).
 9.21: Recital—Miss M. Seelye, "When Earth's Best Picture is Painted."
 9.27: Guitars—Walter Kolomoku's Honoluluans, "Southern Melodies Waltz."
 9.35: Bass—Mr. Edward Bond, (a) "Rolling Down to Rio" (German); (b) "The Sailor's Paradise" (Richards).

- 9.41: Trombone with band accompaniment—The Band, "The Switchback."
 9.47: Contralto—Miss M. Teviotdale, "A Blackbird Singing" (Head).
 9.50: Organ—Jesse Crawford, "Roses of Yesterday" (Berlin) (H.M.V.).
 9.53: March—The Band, "The Exile" (Weaver).
 10.0: God save the King.

Wednesday, August 27

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, AUGUST 27.

- 12.30: Relay of Community Singing from Auckland Town Hall.
 1.30: Close down.
 3.0: Afternoon session—Selected studio items, including literary selection by the Announcer.
 4.30: Close down.
 5.0: Children's session, conducted by "Uncle Tom."
 6.0: Dinner session—"H.M.V." Hour.
 Orchestral—New Symphony Orchestra, "Minuet" (Boccherini).
 Orchestral—Nat Shilkret and the Salon Group, "Stephen Foster Melodies" (Foster) "Old Kentucky Home" (EB42).
 Band—H.M. Coldstream Guards, "Wee MacGregor's Patrol" (Amers).
 Orchestral—Salon Orchestra, "Pagan Love Song" (Freed-Brown).
 6.13: Tacet.
 6.15: Orchestral—De Groot and His Orchestra, "Waldteufel Memories."
 Band—H.M. Coldstream Guards, "Policeman's Holiday" (Ewing).
 Organ—Jesse Crawford, "I Get the Blues when it Rains" (Klauber).
 6.29: Tacet.
 6.30: Band—H.M. Coldstream Guards, "Belle of New York" (Kerker).
 Cello—Rentrice Harrison, "Viennese Melody" (Kreisler) (C1647).
 Orchestral—Nat Shilkret and the Salon Group, "Stephen Foster Melodies" ("Old Black Joe") (Foster) (EB42).
 6.43: Tacet.
 6.45: Orchestral—New Symphony Orchestra, "Nell Gwynne Dances No. 3."
 Organ—Jesse Crawford, "I'll Always be in Love with You."
 Band—H.M. Coldstream Guards, "Geisha Selection" (Jones) (C1703).
 Orchestral—Salon Orchestra, "Wedding of the Painted Doll."
 6.58: Tacet.
 7.0: News and market reports.
 7.40: Talk—Mr. Norman Kerr, "Physical Culture."
 8.0: Chimes. Overture—Regal Cinema Orchestra, "Broadway Selection."
 8.9: Bass-baritone—Mr. S. Hislop, "Drake Goes West" (Sanderson).
 8.13: Barch—The Birkenhead Municipal Band, under direction Lieut. J. T. Lighton, "Punjab" (arr. Chas. Payne).
 Waltz—The Birkenhead Municipal Band, "Unrequited Love" (Linck).
 8.26: Vocal with Spanish guitar—Mr. William Leo Benbow, "Tiptoe Thru the Tulips" (Burke).
 8.31: Operatic selection—The Band, "Classic Gems" (arr. Rimmer).
 8.44: Humour sketch—Mr. J. F. Montague, "The Babies" (Rutherford).
 8.51: Patrol—The Band, "Jamie's Patrol" (Dacre).
 8.56: Organ—Terence Casey, "Annie Laurie Variations" (arr. Casey).
 9.0: Evening weather forecast and announcements.
 9.2: Male choir—Sheffield Orpheus Male Voice Choir, "The Lincolnshire Poacher" (arr. Chambers) (Columbia 01175).
 9.6: Intermezzo—The Band, "Secrets" (Ancliffe).
 Overture—The Band, "Crimson Star" (Greenwood).
 9.18: Bass-baritone—Mr. S. Hislop, (a) "Tally Ho!" (Leoni); (b) "Aylesbury Ducks" (Harding).
 9.25: Organ—Terence Casey, "Key of Heaven" Variations (arr. Casey).
 9.29: Vocal with Spanish guitar—Mr. William Leo Benbow, (a) "Painting the Clouds with Sunshine" (Burke); (b) "If I had a Talking Picture of You" (de Sylva-Brown-Henderson).
 9.36: Male chorus—Sheffield Orpheus Male Voice Choir, "There is a Taverna in a Town" (Traditional) (Columbia 01175).
 9.40: Morceau—The Band, "Sally Trombone" (Esher).
 9.45: Humorous sketches—Mr. J. F. Montague, (a) "The Soldier's Story" (MSS.); (b) "A Scotch Night" (Ogilvie).
 9.55: March—The Band, "Argandab" (Thompson).
 10.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, AUGUST 27.

SILENT DAY.

3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, AUGUST 27.

- 3.0: Afternoon session—Gramophone recital.
 4.25: Sports results.
 4.30: Close down.
 5.0: Children's hour, "Uncle John."
 6.0: Dinner session, "H.M.V." hour.
 Selection—New Mayfair Orchestra, "Lilac Time" (Schubert-Clutsam).
 Orchestral—Royal Opera Orchestra, "Carmen Ballet No. 1" (Bizet).
 6.12: Tacet.
 6.15: Orchestral—National Symphony Orchestra, "William Tell Overture."
 6.27: Tacet.
 6.30: Instrumental—Royal Opera Orchestra, "Sylvia Ballet Pizzicato and Procession of Bacchus" (Delibes) (C1418).
 Orchestral—Royal Opera Orchestra, "Carmen Ballet No. 2" (Bizet).
 6.42: Tacet.

- 6.45: Orchestral—London Symphony Orchestra, "Chanson de Matin" (Elgar).
 Trio—Fritz and Hugo Kreisler and Michael Rauchen, "Arlésienne Intermezzo" (Bizet, arr. Kreisler) (DB1168).
 Instrumental—Philadelphia Symphony Orchestra, "Nocturne No. 2 Fetes" (Debussy) (E507).
 6.57: Tacet.
 7.0: News session.
 7.30: Addington stock market reports.
 8.0: Chimes.
 Overture—National Symphony Orchestra, "Zampa" (Herold).
 8.9: Tenor—Mr. Syd. Andrews, "The Bloom is on the Rye" (Bishop).
 8.13: Instrumental—Studio Instrumental Octet, (conductor, Mr. Harold Beck), "Folk Tune and Fiddle Dance" (Fletcher).
 8.22: Mezzo-contralto—Mrs. Graham Jamieson, (a) "The Song of the Lotus Lily" (Woodford-Finden); (b) "Nocturne" (Head).
 8.27: Pianoforte—Miss Lucy Fullwood, "Polonaise in O' Sharp Minor."
 8.34: Recitation—Miss Dorothy Jenkin, "The Glory of the Garden."
 8.39: Violin, cello, fute and harp—Florentine Quartet, "Come Back to Sorrento" (de Curtis) (Zono. EF70).
 8.43: Baritone—Mr. Fred A. Bullock, (a) "In Time of Roses" (Greig); (b) "Devon O' Devon" (Stanford).
 8.49: Instrumental—Studio Instrumental Octet, "Operatic Selection 'La Traviata'" (Verdi).
 9.1: Weather report and station notices.
 9.3: Band—H.M. Coldstream Guards, "La Source Ballet" (Delibes, arr. Winterbottom) (H.M.V. B2798).
 9.9: Tenor—Mr. Syd. Andrews, (a) "Far Across the Desert Sands" (Woodford-Finden); (b) "Where the Abana Flows" (From "A Lover in Damascus" (Woodford-Finden).
 9.15: Overture—Studio Instrumental Octet, "Norma" (Bellini).
 9.21: Baritone—Mr. Fred A. Bullock, (a) "Where the Tiszas Torrents" (Korby); (b) "The Vagabond's Song" (Cundell).
 9.27: Pianoforte—Miss Lucy Fullwood, "1st Movement of Sonata in F Sharp Minor" (Brahms).
 9.30: Recitation—Miss Dorothy Jenkin, "That Terrible Tommy" (MS.).
 9.35: Instrumental—Studio Instrumental Octet, "Incidental Music" from "Monsieur Beaucaire"—(a) Intermezzo; (b) Leit Motiv; (c) Gavotte; (d) Chant d'Voyageurs; (e) Chant d'Amour; (f) March.
 9.45: Mezzo-contralto—Mrs. Graham Jamieson, "The Sea Hath its Pearls."
 9.50: Chorus—Light Opera Company, "Lilac Time Vocal Gems."
 9.53: Instrumental—Studio Instrumental Octet, "Pulcinello" (Ern).
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, AUGUST 27.

- 3.0: Chimes. Selected gramophone items.
 3.15: Talk—Home Science Extension Department of Otago University, under auspices of 4YA Primary Productions, "Salads."
 4.25: Sporting results.
 4.30: Close down.
 5.0: Chimes. Children's hour, conducted by Big Brother Bill.
 6.0: Dinner music, "Brunswick" hour.
 Orchestral—Brunswick Concert Orchestra, "Dance of the Hours."
 Orchestral—A. and P. Gypsies, "Herbertiana" (Stone) (4287).
 Violin—Frederic Fradkin, "Le Cygne" (Saint-Saens) (4528).
 Orchestral—Brunswick Concert Orchestra, "Badinage" (Herbert).
 Orchestral—A. and P. Gypsies, "The Far-Away Bells" (Furber-Gordon).
 6.14: Tacet.
 6.15: Orchestral—Brunswick Concert Orchestra, "Wine, Women and Song."
 Orchestral—Anglo-Persians, "Cossack Love Song" (Katzman) (4483).
 Violin—Frederic Fradkin, "Nola" (Arndt) (4318).
 Orchestral—Ray Miller and His Orchestra, "Iowa Corn Song."
 6.28: Tacet.
 6.30: Orchestral—A. and P. Gypsies, (a) "White Acacia"; (b) "Petite Causerie" (Stone) (4287).
 Orchestral—Brunswick Concert Orchestra, "Thousand and One Night" (Strauss) (20088).
 Orchestral—Ray Miller and His Orchestra, "Go You North-western."
 6.43: Tacet.
 6.45: Orchestral—Brunswick Concert Orchestra, "La Danseuse" (Von Blon).
 Orchestral—Brunswick Concert Orchestra, "Hungarian Lutspliel."
 Violin—Frederic Fradkin, "A Kiss in the Dark" (de Sylva) (4318).
 Orchestral—Anglo-Persians, "Ragamuffin" (Greer) (4483).
 6.58: Tacet.
 7.0: News session.
 7.15: Talk—Mr. G. A. Holmes, c/o. National Mortgage, Dunedin, "The Improvement of Poor Pasture."
 8.0: Chimes.
 Patrol—Ketelbey's Concert Orchestra, "Jungle Drums" (Ketelbey).
 8.5: Mezzo-contralto—Miss T. C. Blackman, "Laugh, Clown Laugh."
 8.9: Popular melodies—Novelty Syncopators, "Revolutionary Rhythm" (Davies); "My Varsity Girl" (Bryan).
 8.17: Lecture recital—Mr. A. Gorrie, "Twelve Minutes with James Kipling."
 8.30: Piano novelty—Mr. J. M. Wilson, (a) "Melody from Rhapsody in Blue" (Gershwin); (b) 1—"Told in the Dog Watch" (Arnold); 2—"Amon, Enchanted Isles" (Tchakoff).
 8.39: Baritone—Mr. Dudley Wrathall, "Hallelujah" (Youmans).
 8.42: Popular melodies—Novelty Syncopators, (a) "Singing in the Bathtub" (Magidson); (b) "I Love You So" (Magidson).
 8.50: Soprano—Miss D. Youd, (a) "Some Day Waiting Will End" (Caryl); (b) "Love's Old Sweet Song" (Craig).
 8.56: Saxophone duet—Messrs. J. McCaw and T. Law, "Slip'n' Sax."
 9.0: Weather report.

- 9.2 : Mezzo-soprano—Miss T. C. Blackman, (a) "Mary Ann" (Silver); (b) "Wait and Dream" (Spier).
- 9.8 : Popular Melody—Novelty Syncopators, (a) "Lonesome Little Doll" (Cowan); (b) "South Sea Rose" (Gilkret).
- 9.17: Baritone—Mr. Dudley Wrathall, (a) "Harlequin" (Sanderson); (b) "Border Ballad" (Cowan).
- 9.24: Popular melody—Novelty Syncopators, "Counting the Stars Above."
- 9.27: Soprano—Miss D. Youd, "I Wonder if Love is a Dream" (Forster).
- 9.30: Dance session, "H.M.V."
- Onestep—Jack Hylton and His Orchestra, "Moscow" (Evans).
- Foxtrot—Jack Hylton and His Orchestra, "My Wife is on a Diet."
- Foxtrot—The High Hatters, "The Web of Love" (Cowan-Titsworth).
- Foxtrot—Charles Dornberger and His Orchestra, "Campus Capers."
- Foxtrot—Johnny Hamp's Kentucky Serenaders, "Sunny Side Up."
- Foxtrot—The High Hatters, "I'm in Love with You."
- 9.48: Waltz—The Troubadours, "Alice Blue Gown" (McCarthy-Tierney).
- Waltz—Nat Shilkret and His Orchestra, "Dream Lover."
- 10.3 : Foxtrot—Nat Shilkret and His Orchestra, "Broadway Baby Dolls."
- Foxtrot—Nat Shilkret and His Orchestra, "You Wouldn't Fool Me Would You?" (de Sylva-Brown-Henderson) (EA670).
- Foxtrot—Rudy Vallee and His Connecticut Yankees, "A Little Kiss Each Morning" (Woods) (EA665).
- Foxtrot—Henry Busse and His Orchestra, "After the Clouds Roll By."
- 10.15: Waltz—Nat Shilkret and Orchestra, "Until the End."
- Waltz—Jack Hylton and His Orchestra, "Tondeleyo" (Gay) (B5721).
- Foxtrot—Leo Reisman and His Orchestra, "My Sweeter than Sweet."
- Foxtrot—Nat Shilkret and His Orchestra, "Wishing and Waiting for Love" (Clarke-Akst) (B5689).
- 10.30: Foxtrot—Jack Hylton and His Orchestra, "Jollity Farm" (Sarony).
- Foxtrot—The High Hatters, "Aren't We All" (de Sylva).
- Foxtrot—Jack Hylton and His Orchestra, "On Her Doorstep Last Night" (Hargreaves-Demeral-Tilsley) (B5744).
- Foxtrot—The High Hatters, "You've Got Me Picking Petals off of Daisies" (de Sylva-Brown-Henderson) (EA656).
- 10.45: Waltz—The Troubadours, "Beautiful Lady" (McLennan-Caryll).
- Foxtrot—The High Hatters, "Nobody's Using it Now."
- Foxtrot—Johnny Johnson and His Orchestra, "Just You, Just Me."
- Nat Shilkret and Orchestra, "Love Me" (Lenoir-Morse) (EA655).
- Foxtrot—Jack Hylton and His Band, "Yours Sincerely."
- Foxtrot—The High Hatters, "My Love Parade" (Grey-Schertzinger).
- Foxtrot—Ted Weems and His Orchestra, "Sophomore Prom."
- Foxtrot—Johnny Johnson and His Stetler Pennsylvanians, "You're Responsible" (Clare-Levant) (EA659).
- Foxtrot—Ted Weems and His Orchestra, "I Don't Want Your Kisses" (If I can't have your love) (Fisher-Brookes) (EA654).
- 11.0 : God save the King.
- 8.19: Bass solo—Mr. Duncan, (a) "To-morrow" (Keel).
- Soprano and Contralto—Misses Lillian Wood and Beryl Smith, "Hom-ing" (Del Reigo).
- 8.27: Vocal and Instrumental—Frank Wade and His Melody Boys, "Plantation Medley" (Own Arrgt.).
- 8.32: Vocal Quartet—New Clarion Quartet—(a) "Robinson Crusoe's Isle." Tenor solo—Mr. Lambert Harvey, (b) "I Know a Sea" (Grey).
- 8.40: Novelty entertainment—The Asquiths, "Twenty-minute Drawing-room Entertainment."
- 9.0 : Evening weather forecast and announcements.
- 9.2 : Vocal and instrumental—Frank Wade and His Melody Boys, "Weeping Willow Tree" (Fletcher).
- 9.7 : Contralto solo—Miss Beryl Smith, (a) "My Prayer" (Squire).
- Tenor and Bass duet—Messrs. Lambert Harvey and Duncan Black, (b) "Excelsior" (Balfe).
- 9.15: Vocal and instrumental—Frank Wade and His Melody Boys, "Climbing Up The Golden Stairs" (Robinson).
- 9.20: Humour—Mr. T. T. Garland, "A Fireside Chat."
- 9.27: Vocal quartet—New Clarion Quartet—"Plantation Medley."
- 9.31: Programme of Dance Music ("Radio") "Edison Bell."
- Foxtrot—with vocal trio—Alfredo and His Band, "Sweetheart of All My Dreams" (Fitch) (976).
- Foxtrot with vocal chorus—The Blue Jays, "Dance of the Paper Dolls."
- Foxtrot—Alfredo and His Band, "Deep Night" (Henderson) (976).
- Foxtrot—The Blue Jays, "The Toymaker's Dream" (Golden) (1224).
- 9.42: Waltz with vocal chorus—Alfredo and His Band, "My Song of the Nile" (de Sylva) (1262).
- Waltz—Alfredo and His Band, "I'll Always Be in Love With You."
- Foxtrot with vocal chorus—Alfredo and His Band, "Turn on the Heat."
- Foxtrot with vocal chorus—Alfredo and His Band, "This Is Heaven."
- Foxtrot with vocal chorus—Alfredo and His Band, "If I Had a Talking Picture of You" (de Sylva) (1299).
- Vocal—G. H. Elliott, "Muddlin' Thro'" (Howard-Flynn) (1291).
- 10.0 : Foxtrot with vocal duet—Alfredo and His Band, "Little Pal."
- Foxtrot—Alfredo and His Band, "Laughing Marionette" (Collins).
- Foxtrot with vocal chorus, Alfredo and His Band, "Why Can't You?"
- Waltz with vocal chorus—Alfredo and His Band, "Sometimes."
- Waltz with vocal trio—Alfredo and His Band, "Let Me Dream in Your Arms Again" (Nicholls) (1250).
- 10.15: Vocal—Stanley Kirkby, "My Mother's Eyes" (Baer) (1235).
- Foxtrot with vocal chorus—Radio Rhythm Boys, "Painting The Clouds With Sunshine" (Burke) (1297).
- Foxtrot with vocal chorus—Alfredo and His Band, "Mean To Me."
- Foxtrot with vocal chorus—Radio Rhythm Boys "Tiptoe Thro' The Tulips With Me" (Burke) (1297).
- Foxtrot with vocal chorus—The Plaza Band, "A Precious Little Thing Called Love" (Davis) (1236).
- 10.30: Waltz with vocal chorus—Alfredo and His Band, "Lady Divine."
- Foxtrot with vocal chorus—Harry Hudson's Melody Men, "Why Do I Love You?" (Kern) (852).
- Two-step—Bal Musette Orchestra, "Mayorqua" (Brunel) (945).
- Vocal—G. H. Elliott, "Yodeling Coon" (Howard-Flynn) (1291).
- 10.42: Foxtrot with vocal chorus—Alfredo and His Band, "I've Never Seen a Smile Like Yours" (Johnson) (1262).
- Foxtrot with vocal chorus—Alfredo and His Band, "I Think of What You Used to Think of Me" (Turk) (912).
- Foxtrot with vocal chorus—Harry Hudson's Melody Men, "Ol' Man River" (Kern) (852).
- Foxtrot with vocal chorus—Alfredo and His Band, "I Don't Know Why I Do It, But I Do." (912).
- Foxtrot with vocal chorus—Alfredo and His Band, "Do Something."
- Dutch Dance—Bal Musette Orchestra, "Rafle" (Berniaux) (945).
- 11.0 : God save the King.

Thursday, August 28

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, AUGUST 28.

- 3.0 : Afternoon Session—Selected Studio Items.
- 3.15: Talk—"Meatless Meals." Talk prepared by Home Science Extension Service Otago University.
- 3.30: Further selected studio items.
- 4.30: Close down.
- 5.0 : Children's session, conducted by Peter Pan.
- 6.0 : Dinner Session, "Parlophone" Hour.
- Orchestral—Grand Symphony Orchestra, "Suite Orientale" (a) "March"; (b) "On the Shore of the Ganges" (Francis Popy).
- Orchestral—Edith Lorand Orchestra, "Toreador and Andalousé."
- Orchestral—Grand Symphony Orchestra, "Naila" (Delibes) (A4191).
- 6.14: Tacet.
- 6.15: Orchestral—Dajos Bela Orchestra, "Woodland Peace" (Favilla).
- Orchestral—Berlin State Opera House Orchestra, "The Barber of Seville Overture" (Rossini) (A4193).
- Orchestral—Edith Lorand Orchestra, "Minuet" (Boccherini).
- 6.29: Tacet.
- 6.30: Orchestral—Grand Symphony Orchestra, "Suite Orientale" Pt. 4 "The Patrol" (Francis Popy) (A4156).
- Orchestral—Grand Symphony Orchestra, "Lastspiel Overture."
- Orchestral—Dajos Bela Orchestra, "The Court Ball" (Josef Lanner).
- Orchestral—Grand Symphony Orchestra, "Japanese Lantern Dance."
- 6.44: Tacet.
- 6.45: Orchestral—Grand Symphony Orchestra, "Suite Orientale" Pt. 3 The Dancers (Francis Popy) (A4156).
- Orchestral—Dajos Bela Orchestra, "Viennese Waltz Pot-pourri."
- Orchestral—Grand Symphony Orchestra, "Chinese Street Serenade."
- 6.59: Tacet.
- 7.0 : Book Review.
- 7.10: News and market reports.
- 7.40: Talk—Mr. N. M. Richmond—"Problems of Capital and Labour."
- 8.0 : Chimes.
- Overture—New Light Symphony Orchestra, "The Waltzing Doll."
- Vocal Quartet—New Clarion Quartet, (a) "On With the Motley."
- Soprano solo—Miss Lillian Woods, (b) "A Birthday" (Cowan).
- 8.10: Vocal and instrumental—Frank Wade and His Melody Boys, "The Letter Edged in Black" (Nevada).
- 8.15: Humour—Mr. T. T. Garland, "Some Humour."

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, AUGUST 28.

- 3.0 : Chimes. Selected studio items.
- 3.15: Lecture—Miss I. F. Meadows, "Meatless Meals." Home Science Talk prepared by Home Science Extension Service of Otago University.
- 3.25: Selected studio items.
- 3.30 and 4.30: Sporting results to hand.
- 4.55: Close down.
- 5.0 : Children's session, conducted by Uncle George.
- 6.0 : Dinner session—"H.M.V." Hour.
- Orchestral—New Symphony Orchestra, "Toy Symphony" (Rombert).
- Orchestral—Concert Orchestra, "Minuet" (Boccherini) (Zono. 5019).
- Violin—Peter Bornstein, "Musette" (Rameau-Liebersen) (EA676).
- 6.13: Tacet.
- 6.15: Orchestral—Zonophone Salon Orchestra, "Old Rustic Bridge" (Skelly).
- Orchestral—International Novelty Orchestra, "Eva Waltzes" (Lehar).
- Cornet—Zylvester Ahola, "The English Rose" (German) (Zono. 5451).
- Orchestral—International Novelty Quartet, "Over the Waves" (Rosas).
- 6.28: Tacet.
- 6.30: Orchestral—International Novelty Orchestra, "Carmen Sylva."
- Orchestral—Zonophone Salon Orchestra, "Killarney" (Balfe).
- Violin—Peter Bornstein, (a) "Mazurka" (Wieniawski); (b) "Polichinelle" (Kreisler) (EA676).
- Orchestral—International Novelty Quartet, "See Me Dance the Polka."
- 6.43: Tacet.
- 6.45: Orchestral—Concert Orchestra, "Sous Bois" (Staub) (Zono. 5019).
- Organ—Sandy Macpherson, "I Promise" (Hirsch-Wilhite) (EA690).
- Orchestral—National Symphony Orchestra, "Zampa" Overture, parts 1 and 2 (Herold) (Zonophone EF29).

- 6.58: Tacet.
 7.0: News session, market reports and sports results.
 7.40: Lecturette—Mr. A. E. Wilson, Tourist Department, "Tourists and Holiday Resorts."
 8.0: Chimes. Overture—American Legion Band, "March Salutation."
 8.45: Band of H.M. Coldstream Guards, "The Belle of New York" (Kerker).
 8.49: Mezzo-contralto—Miss Christina Young, "Carmen Carmela" (Mexican folk song—arr. Loomis).
 8.53: Novelty piano—Mr. Claud Bennett, "Florella" (Francesco).
 8.57: Tenor—Mr. Les Stapp, "Mir Johan" (Strickland).
 9.1: Weather report and announcements.
 9.3: Band of H.M. Coldstream Guards, "The Geisha" (Jones) (H.M.V.).
 9.7: Mezzo-contralto—Miss Christina Young, (a) "Country Folk" (Brahe); (b) "I'm Longing for the Spring" (Gwyane Morris).
 9.13: Novelty piano—Mr. Claud Bennett, (a) "Waltz Futuristic" (Revel); (b) "A Japanese Love Song" (Zamecnik).
 9.18: Tenor—Mr. Les Stapp, (a) "Molly Brannigan" (Stanford); (b) "Sweet Lady" (Sprott).
 9.24: Band—De Groot and Piccadilly Orchestra, "The Waltz Dream."
 9.30: Second half of "Spelling Bee."
 10.0: March—Sousa's Band, "The National Game" (Sousa) (H.M.V. EA591).
 10.3: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, AUGUST 28.

- 3.0: Afternoon session—Gramophone recital.
 3.15: Home science—"Meatless Meals." Talk prepared by the Home Science Extension Service of Otago University.
 4.25: Sports results.
 4.30: Close down.
 5.0: Children's hour—"Ladybird and Uncle Frank."
 6.0: Dinner session—"H.M.V." Hour.
 Orchestral—Berlin State Opera Orchestra, "Polonaise" (Liszt).
 Violin—Isolde Menges, "Nocturne in E Flat, Op. 9, No. 2" (D1288).
 6.13: Tacet.
 6.15: Band—H.M. Coldstream Guards, "La Fille de Madame Angot."
 Piano—Mark Hambourg, "Rakoczy March" (Liszt) (C1439).
 Orchestral—John Barbirolli's Chamber Orchestra, "A Little Night Music, First Movement" (Mozart) (C1655).
 6.29: Tacet.
 6.30: Orchestral—John Barbirolli's Chamber Orchestra, "A Little Night Music, Second, Third and Fourth Movements." (Mozart) (C1655/6).
 Piano—Mark Hambourg, "On Wings of Song" (Mendelssohn) (C1439).
 6.44: Tacet.
 6.45: Quartet—Virtuoso String Quartet, "Londonderry Air" (arr. Bridge).
 Violin—Isolde Menges, "Air on G String" (Bach) (D1288).
 Quartet—Virtuoso String Quartet, "The Emperor" Quartet, Op. 76, No. 3 (Haydn) (C1470).
 6.58: Tacet.
 7.0: News session.
 7.30: Talk—Mr. R. McGillivray, Fields Superintendent, Department of Agriculture, "Potato Certification." Arranged by 3YA Primary Productions, Committee.
 8.0: Chimes. Overture—Bournemouth Municipal Orchestra, "Pique Dame."
 8.9: Vocal quartet—Grand Opera Quartet, "Departure" (Mendelssohn).
 Soprano—Madame Gower Burns, "Pastoral" (Lane Wilson).
 8.15: Flute quartet—London Flute Quartet, "Scotch and Irish Airs."
 8.18: Tenor—Mr. Ernest Rogers, (a) "O Lovely Night" (Ronald); (b) "Oh, That Summer Smiled for Aye" (Davies).
 8.24: Octet—Studio Instrumental Octet (Conductor, Mr. Harold Beck), "Russian Dances, Nos. 2 and 4" (Borthkiewicz).
 8.31: Bass—Mr. J. Filer, "Clouds May Rise" from "Orlando" (Handel).
 8.34: Trio—Cherniavsky Trio, "By the Waters of Minnetonka" (Lieurance).
 8.37: Contralto—Miss Alice Vinsen, "Hark What I Tell to Thee" (Haydn).
 8.40: Cello—W. H. Squire, (a) "Songs My Mother Taught Me" (Dvorak); (b) "The Spinning Wheel" (Dunkler).
 8.46: Duet, tenor and bass—Grand Opera Male Duo, "The Fishers."
 8.50: Instrumental—Studio Instrumental Octet, "Three Songs," (1) Hindoo Song (Bemberg), (2) At Evening (Debussy), (3) Open Thy Blue Eyes (Massenet).
 8.59: Weather report and station notices.
 9.1: Band—B.B.C. Wireless Military Band, "Kirkby Malzeard Sword Dance."
 9.4: Soprano—Madame Gower Burns, (a) "The Asra" (Rubenstein); (b) "The Tear" (Rubinstein).
 9.9: Violin and orchestra—Soloist, Miss Irene Morris, and Studio Octet, "Concerto for Violin and Orchestra" (Accolay).
 9.19: Contralto—Miss Alice Vinsen, "Thoughts have Wings" (Lehmann).
 9.22: Flute quartet—London Flute Quartet, "The Carnival of Venice."
 9.25: Bass—Mr. J. Filer, "King of the Vasty Deep" (Withers).
 9.29: Instrumental—Studio Instrumental Octet, (a) "Scene de Ballet" (Tscherepinne); (b) "Vecchio Minnetto" (Sgambati).
 9.39: Tenor—Mr. Ernest Rogers, "In Her Simplicity" (from "Mignon").
 9.43: Duet soprano and contralto—Grand Opera Duo, "On Wings of Music."
 9.46: Instrumental—Studio Instrumental Octet, (a) "Second Minuet" (Besly); "Valse Lente" (Ballet Russe) (Luigini); (c) "Hungarian Dance, No. 20" (Brahms).
 9.50: Mixed quartet—Grand Opera Quartet, "Come All Ye Lads and Lassies."
 9.54: Band—B.B.C. Wireless Military Band, "The Flamborough Sword Dance" (arr. Sharp) (Columbia 05051).
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, AUGUST 28. SILENT DAY.

Friday, August 29

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, AUGUST 29.

- 3.0: Afternoon session—Selected studio items, including Literary Selection by the Announcer.
 4.30: Close down.
 5.0: Children's session, conducted by "Nod" and "Aunt Jean."
 6.0: Dinner session, "Columbia" hour.
 Selection—Court Symphony Orchestra, "The Windmill Man" (02909).
 J. H. Squire's Celeste Octet, "Scene de Ballet" (de Berliot, arr. Sear).
 Halle Orchestra, "Hungarian Dance No. 5 in G Minor" (Brahms).
 6.13: Tacet.
 6.15: Plaza Theatre Orchestra, "The Three Bears" Fantasy (Coates).
 J. H. Squire Celeste Octet, "A Vision of Christmastide" (Harrison).
 6.27: Tacet.
 6.30: Regimental Band of H.M. Grenadier Guards, "La Benediction des Poignards" (Meyerbeer) (02931).
 Bournemouth Municipal Orchestra, "Echoes of the Valley" (Gennin).
 J. H. Squire Celeste Octet, "Second Movement from 'Symphonie Pathétique'" (Tchaikowsky, arr. Robertson) (02937).
 Halle Orchestra, "Hungarian Dance No. 6 in D" (Brahms) (01677).
 6.43: Tacet.
 6.45: Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).
 Regimental Band of H.M. Grenadier Guards, "Lo, Here the Gentle Lark" (Bishop, arr. Godfrey) (02931).
 Herman Finck's Orchestra, "Christmas Memories" (arr. Finck).
 6.58: Tacet.
 7.0: News and market reports.
 7.40: Talk—Mr. B. S. Jones, "Receiving Sets, How to Get the Best out of Your Receiver."
 8.0: Chimes.
 Overture—1YA Orchestral Octet, under direction of Mr. J. W. Litford Waugh, "Mosaic Overture" (Rollinson).
 8.7: Baritone—Mr. Peter Baxter, (a) "Her Picture" (Schubert); (b) "Don Juan's Serenade" (Tchaikowsky).
 8.14: Piano—Mrs. Evelyn M. Prime, "Quand Il Pleut" (Less Pouischhoff).
 8.22: Soprano—Miss D. Lovelace Milne, (a) "I Attempt from Love's Sickness to Fly" (Purcell); (b) "Early One Morning" (Traditional).
 8.29: Suite—1YA Orchestral Octet, "In a Fairy Realm" (Ketelbey). (a)—The Moonlit Glade; (b)—The Queen Fairy Dances; (c)—The Gnomes March.
 8.40: Baritone—Mr. Peter Baxter, "The Slighted Swain" (arr. Lane Wilson).
 8.44: Lecture—Mr. L. J. Cronin, "Sidelights of Parliament."
 8.59: Evening weather forecast and announcements.
 9.1: 1YA Orchestral Octet, (a) "In My Dream Garden" (Rayners); (b) "The Call of Spring" (Williams); (c) "Voice of Spring" (Strauss).
 9.16: Soprano—Miss D. Lovelace Milne, "In the Springtime" (Newton).
 9.20: Selection—1YA Orchestral Octet, "Waltz Dream" (Strauss).
 9.30: Lecture recital—A Commentator, Lecture Recital: Latest Gramophone Recordings.
 10.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, AUGUST 29.

- 3.0: Afternoon session—Selected gramophone items.
 3.30 and 4.30: Sporting results to hand.
 5.0: Children's session.
 6.0: Dinner music, "Parlophone Hour."
 Overture—Berlin State Opera Orchestra, "Mignon" (Thomas).
 Instrumental—Grand Symphony Orchestra, "Tales of Hoffman—Barcarolle" (Offenbach) (A4061).
 6.12: Tacet.
 6.15: Fantasia—Edith Lorand Orchestra, "Faust" (Gounod) (E10579).
 Piano—Karol Szreter, "Fledermaus" (Strauss) (A4082).
 6.27: Tacet.
 6.30: Berlin State Opera Orchestra, "Italiana in Algeria" (Rossini).
 Cello—Orabio de Castro, "Nocturne in E Flat" (Chopin) (E10581).
 6.42: Tacet.
 6.45: Overture—Grand Symphony Orchestra, "Fra Diavolo" (Auber).
 Instrumental—Grand Symphony Orchestra, "Tales of Hoffman—Entr'acte and Minuet" (Offenbach) A4061).
 6.57: Tacet.
 7.0: News session, market reports and sports results.
 8.0: Chimes.
 A Programme featuring the Etude Quartet in Vocal Gems from "Merrie England" by Edward German.
 Note.—During the course of this programme there will be a relay of a Sound Film Picture from the Majestic Theatre.
 Overture—2YA Orchestral (Conductor, Signor A. P. Truda), "Tancredi" (Rossini).
 Quartet—The Etude, "In England, Merrie England."
 Soprano—Miss Greta Stark, waltz song, "Who Shall Say?"
 Piano—Miss Eileen Clark, "Berceuse" (Chopin).
 Baritone—Mr. Ray Kemp, "The Yeomen of England."
 Selection—2YA Orchestral, "I Pagliacci" (Leoncavallo) (Studio).
 Entertainers—Mr. and Mrs. Albert Russell, (a) "Always Wear a Happy Smile" (Low); (b) solo, "My Dear Soul" (Sanderson); (c) duet, "Good Morning" (Bishop).

'Cello—Gaspar Casado, "Le Cygne" (Saint-Saens) (Col. 03579).
 Duet—Miss Gretta Stark and Mr. Will Hancock, "Come to Arcady."
 Contralto—Mrs. Ray Kemp, "O Peaceful England."
 Selection—2YA Orchestra, "A Chinese Honeymoon" Dance.
 Weather report and announcements.
 Soprano—Miss Gretta Stark, "She had a Letter from her Love."
 Band—Band of H.M. Grenadier Guards, Selection from "Tom Jones" German (Col. 02626).
 Duet—Mrs. Ray Kemp and Mr. Will Hancock, "It is the Merry Month of May."
 Selection—2YA Orchestra, "Serenata Espagnole" (Bizet).
 Humour—Mr. and Mrs. Albert Russell, (a) "Farm Yard" (by request) (David); (b) "The House that Jack Built" (Low).
 'Cello—Gaspar Casado, "Melodie Arabe" (Glazounov) (Col. 03579).
 Tenor—Mr. Will Hancock, "The English Rose."
 Octet—J. H. Squire Celeste Octet, "Polonaise" from "Mignon" (Thomas, arr. Robertson) (Col. 02749).
 Duet and chorus—Messrs Will Hancock, Ray Kemp and Etude Quartet, "Two Merry Men a Drinking."
 Concert Valse—2YA Orchestra, "Les Sirenes" (Waldteufel).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, AUGUST 29.

3.0 : Afternoon session—Gramophone recital.
 4.25 : Sports results.
 4.30 : Close down.
 5.0 : Children's hour—"Chuckie."
 6.0 : Dinner session—"Columbia" Hour.
 Orchestral—Albert W. Ketelbey's Concert Orchestra, "Cockney Suite," Nos. 1 to 4 (Ketelbey) (05052/3) : (1) A State Procession, (2) The Cockney Lover, (3) At the Palais de Dance, (4) Elegy.
 6.13 : Tacet.
 6.15 : Orchestral—Albert W. Ketelbey's Concert Orchestra, "Cockney Suite," No. 5—Bank Holiday ('Appy 'Amstead) (Ketelbey) (05054).
 Band—Regimental Band of H.M. Grenadier Guards, "Radio—Quick March" (Pecking) (01854).
 Orchestral—Jack Payne and the B.B.C. Dance Orchestra, "Say it with Songs" Selection, Parts 1 and 2 (de Sylva) (05029).
 6.28 : Tacet.
 6.30 : Orchestral—Albert W. Ketelbey's Concert Orchestra, "Jungle Drums" Patrol (Ketelbey) (05054).
 Organ solo—Emil Velazco, "Estrellita" (01795).
 Band—Debrov Somers' Band, "Hungarian Medley," Parts 1 and 2.
 6.43 : Tacet.
 6.45 : Orchestral—Albert W. Ketelbey's Concert Orchestra, "By the Blue Hawaiian Waters," Parts 1 and 2 (Ketelbey) (05035).
 Organ solo—Emil Velazco, "La Golondrina" (01795).
 Band—Regimental Band of H.M. Grenadier Guards, "Fighting Strength" (Jordan) (01854).
 6.58 : Tacet.
 7.0 : News session.
 8.0 : Chimes. Overture—Marek Weber and His Orchestra, "Potpourri of Waltzes" (Robrecht) (H.M.V. C1544).
 8.9 : Baritone—Mr. Sydney Armstrong, "Afton Water" (Scottish Traditional).
 8.13 : 'Cello—Mr. Harold Beck, "Ske Boat Song" (Rowley).
 8.16 : Male quartet—National Cavaliers, "Beautiful" (Gillespie).
 8.20 : Dance music—Bailey-Marston Dance Orchestra, (a) "Lonesome Little Doll" (Cowan); (b) "Turn on the Heat" (Henderson).
 8.26 : Contralto—Miss Jean Johnson, (a) "To a Miniature" (May Brahe); (b) "Mighty Lak a Rose" (Nevin).
 8.32 : Instrumental—Christchurch Broadcasting Trio, "Trio No. 5—Allegro Minuetto, Allegretto" (Carl Bohm).
 8.42 : Dialogue—Angela Baddeley and L. Du Garde Peach, "Motoring without Tears" (Peach) (H.M.V. B2813).
 8.48 : Dance music—Bailey-Marston Dance Orchestra, (a) "Baby, Oh Where Can You Be?" (Macine); (b) "When You're Smiling" (Fisher).
 8.54 : Humour—Mr. George Titchener, (a) "Our Wedding" (Frank Woods); (b) "When Father was Mother for a Day" (Frampton).
 9.2 : Weather report and station notices.
 9.4 : Organ—Reg. Foort, "In the Heart of the Sunset" (Nicholls).
 9.7 : Baritone—Mr. Sydney Armstrong, (a) "There's a Song Down Every Roadway" (Haydn-Wood); (b) "Love is Mine" (Gartner).
 9.13 : Dance music—Bailey-Marston Dance Orchestra, (a) "Sunbeams" (Brennan); (b) "Liebestraum" (Liszt).
 9.19 : Humorous song—Sir Harry Lauder, "Tobermory" (Lauder).
 9.23 : 'Cello—Mr. Harold Beck, "Minnetto" (Becker).
 9.26 : Contralto—Miss Jean Johnson, "Pleading" (Elgar).
 9.30 : Dance music—Bailey-Marston Dance Orchestra, (a) "Hitting the Ceiling" (Conrad); (b) "Aribique" (Scheherazade—arr. Katzman).
 9.36 : Male quartet—The Revellers, "Oh, Lucindy" (Hollingsworth).
 9.39 : Instrumental—Christchurch Broadcasting Trio, (a) "Melody" (Papini); (b) "Estrellita" (Ponce); (c) "Ballet Music" (Schubert).
 9.49 : Humour—Mr. George Titchener, "Wait Till I've Finished my Oragne."
 9.53 : Dance music—Bailey-Marston Dance Orchestra, (a) "My Love Parade" (Schertsinger); (b) "The Language of Love" (Razaf).
 Dance music until 11 p.m. by the Bailey-Marston Dance Orchestra.
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, AUGUST 29.

3.0 : Chimes. Selected gramophone items.
 3.15 : Talk—Miss Buccleugh, "Fashions."

4.25 : Sporting results.
 4.30 : Close down.
 5.0 : Chimes. Children's Hour, conducted by Aunt Shiel.
 6.0 : Dinner Music, "H.M.V." Hour.
 Overture—National Symphony Orchestra, "Orpheus in Hades."
 Instrumental—National Symphony Orchestra, "Caprice Viennois."
 6.12 : Tacet.
 6.15 : Instrumental—New Light Symphony Orchestra, (a) Spring Song" Mendelssohn; (b) "Narcissus" (Nevin) (Zon. EE111).
 Instrumental—San Francisco Symphony Orchestra, "Coppelia Ballet."
 Violin—Fritz Kreisler, "Tango Albeniz" (arrgd. Kreisler) (DA1009).
 6.28 : Tacet.
 6.30 : Instrumental—Philadelphia Symphony Orchestra, "Invitation to the Waltz" (Weber) (D1235).
 Instrumental—San Francisco Symphony Orchestra, (a) "Serenade" (Moszkowski); (b) "Oriental" (Auber) (ED6).
 6.42 : Tacet.
 6.45 : Orchestral—San Francisco Symphony Orchestra, "Valse de Concer."
 Instrumental—San Francisco Symphony Orchestra, "Liebeslied."
 6.57 : Tacet.
 7.0 : News session.
 8.0 : Chimes.
 Overture—New Queen's Hall Orchestra, "Summer Days Suite." 1. In a Country Lane; 2. On the Edge of the Lake (Coates).
 8.9 : Baritone—Mr. B. C. Bellhouse (a) "Crown of the Year" (Martin); (b) "Fishermen of England" (Phillips).
 8.16 : Instrumental—4YA Trio, "1st Trio" (Ireland).
 8.28 : Recital—Miss Leonore Mackenzie, "At the Bathroom Door."
 8.33 : Violin—Toscha Seidel, "Le Deluge" (Saint Saens) (Col. 09505).
 8.37 : Mezzo-soprano—Miss M. Isobel Crowe, "A Song of Autumn" (Elgar).
 8.41 : Piano—Mr. Max Scherek, "Impromptu in A Flat" (Schubert).
 8.48 : Tenor—Mr. R. A. Mitchell, (a) "Marcheta" (Schertzinger); (b) "The Diver" (Schirmer).
 8.54 : Orchestral—New Queen's Hall Orchestra, Summer Days Suite 3, "At the Dance" (Coates) (Col. 02591).
 8.57 : Contralto—Miss Betty Hamilton, "Summer Afternoon" (Coates).
 9.0 : Weather report.
 9.2 : Baritone—Mr. B. C. Bellhouse, "Blind Ploughman" (Clarke).
 9.5 : Instrumental—4YA Trio, "1st Movement from Trio" (Arensky).
 9.17 : Recital—Miss Leonore Mackenzie, (a) "Lochnivar" (W. Scott); (b) "The Hen in Church" (Adelar).
 9.24 : Violin—Toscha Seidel, "Chanson Arabe" (Korsakoff-Kreisler).
 9.28 : Mezzo-soprano—Miss M. Isobel Crowe, (a) "Cabbage Roses" (From "Flowers from a Cottage Garden") (McGeoch); (b) "Farewell to Summer" (Johnson).
 9.34 : Instrumental—4YA Trio, "6th Trio" (Mozart).
 9.45 : Tenor—Mr. R. A. Mitchell, "Mary of Argyle" (Glenn).
 9.49 : 'Cello—Mr. P. J. Palmer, "Bouree" (Handel).
 9.53 : Contralto—Miss Betty Hamilton, (a) "Flute Across the Lake" (El-lot); (b) "Ash Grove" (trdtl.).
 9.59 : Orchestral—Budapest Philharmonic Orchestra, "Rakoczy March."
 10.3 : God save the King.

Saturday, August 30

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, AUGUST 30.

2.45 : Relay Rugby football match from Eden Park.
 4.30 : Close down.
 5.0 : Children's session, conducted by Cinderella.
 6.0 : Dinner Session, "H.M.V." Hour.
 Selection—Kauffman's Orchestra, "The Gipsy Baron" (Strauss).
 Waltz—La Vittoria Orchestra, "Wedding of the Winds" (Hall).
 6.12 : Tacet.
 6.15 : Orchestral—Piccadilly Orchestra, "If Only I Had You" (Davies).
 "Lolita" (Ferrete) (B2713).
 Hawaiian—Kolomoku's Honoluluans, "Aloha Oe" (Liliuokalani).
 Orchestral—Piccadilly Orchestra, "Charmaine" (Rapee) (B2523).
 6.27 : Tacet.
 6.30 : Selection—New Mayfair Orchestra, "This Year of Grace" (Coward).
 Orchestral—Waring's Orchestra, "Ah! Sweet Mystery of Life."
 Hawaiian—Kolomoku's Honoluluans, "Three O'Clock in the Morning."
 6.42 : Tacet.
 6.45 : Orchestral—Victor Concert Orchestra, "Minuet in G" (Paderewski);
 "Amaryllis" (Thys) (EA240).
 Orchestral—Piccadilly Orchestra, "Bird Songs at Eventide" (Coates).
 Waltz—International Concert Orchestra, "Blue Danube" (Strauss).
 6.57 : Tacet.
 7.0 : News and market reports.
 8.0 : Chimes.
 Overture—National Symphony Orchestra, "Orpheus in Hades."
 8.8 : Baritone—Mr. Arthur Simpson, (a) "Devonshire Cream and Cider" (Sanderson); (b) "Wondering Why" (Clarke).
 8.15 : Instrumental Trio—The Mati Trio, (a) "Yaaka Hula" (Kaili); (b) "A Shady Tree" (Donaldson); (c) "Latest Hit."
 8.25 : Vocal trio—Celeste Trio, "Just a Little Ring" (Lilac Time).
 Solo and chorus—Celeste Trio, "There's a House" (Lilac Time).
 8.32 : Novelty piano—Mr. Ivan Perrin, (a) "Lover Come Back To Me" (Hammerstein and Romberg); (b) "Medley of Own Compositions."
 8.39 : Novelty trio—The Snappy Three, (a) "If I Had My Way" (Sears); (b) "When My Dreams Come True" (Berlin).

- 8.47: Novelty Entertainment—Mister Ree, Radio Magic, "Mystery."
 9.0: Evening weather forecast and announcements.
 9.2: Orchestral—Paul Whiteman's Orchestra, "Suite of Serenaders," 1. Spanish; 2. Chinese; 3. Cuban; 4. Oriental.
 9.10: Baritone—Mr. Arthur Simpson, "Red Devon by the Sea" (Clarke).
 9.14: Instrumental Trio—The Mati Trio, (a) "Wabash Home" (Meinken); (b) "Sweet Violet" (Kail); (c) "Latest Hit."
 9.24: Vocal Trio—Celeste Trio, "White Wings" (Winter).
 9.28: Piano—Mr. Ivan Perrin, (a) "I'm Just a Vagabond Lover" (Vallee); (b) "Varsity Drag Extemporisation" (de Sylva).
 9.36: Novelty Trio—Snappy Three, "Latest Hits."
 9.44: Novelty—Syd Howard, Vera Pearce and Company, "Our Village Concert" (H.M.V. C1781).
 9.52: Vocal Trio—Celeste Trio, (a) "Belle Mahone". (b) "On Departure."
 9.59: Programme of Dance Music, "Brunswick."
 Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "Hangin' On The Garden Gate" (Kahn, Florio) (4698).
 Foxtrot—Ben Bernie and His Orchestra, "Have a Little Faith in Me."
 Foxtrot—Jack Denny and His Mount Royal Hotel Orchestra, "A Night of Happiness" (Conrad) (4698).
 Waltz—Castlewood Marimba Band, "Springtime, Lovetime, You."
 Foxtrot—Colonial Club Orchestra, "I Never Dreamt."
 Foxtrot—Bob Haring and His Orchestra, "I'm in the Market for You."
 10.18: Vocal Trio—Earl Burnett's Biltmore Trio, "If I Can't Have You."
 Foxtrot—Tom Clines and His Music, "So Sympathetic."
 Foxtrot—Ben Bernie and His Orchestra, "Let Me Sing And I'm Happy" (Berlin) (4741).
 Foxtrot—Tom Clines and His Music, "Alone With My Dreams."
 Waltz—Castlewood Marimba Band, "Melancholy Moon."
 10.33: Foxtrot—Lloyd Huntley and His Isle o' Blues Orchestra, "Just Another Night With You" (Newman) (4797).
 Foxtrot—Tom Clines and His Music, "The Free and Easy."
 Foxtrot—Lloyd Huntley and His Isle o' Blues Orchestra, "Take Me."
 Vocal Trio—Earl Burnett's Biltmore Trio, "Out of the Past."
 10.45: Foxtrot—Colonial Club Orchestra, "I'm on a Diet of Love."
 Foxtrot—Colonial Club Orchestra, "Like a Dream."
 Foxtrot—Colonial Club Orchestra, "We'll Build a Little World of Our Own" (Brockman) (4739).
 Foxtrot—Bob Haring and His Orchestra, "Just Like in a Story Book."
 Waltz—Tom Clines and His Music, "It Must Be you."
 11.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, AUGUST 30.

- 3.0: Chimes. Relay description of the Football Match played at Athletic Park.
 5.0: Children's session, conducted by Uncle Toby, and assisted by the pupils of Mrs. Martyn Williams.
 6.0: Dinner music session—"H.M.V." Hour.
 March—American Legion Band, "The Conqueror" (Teike).
 Selection—Savoy Orpheans, "Lido Lady" (Rogers) (C1310).
 6.12: Tacet.
 6.15: New Light Symphony Orchestra, "Rustic Wedding Symphony."
 Victor Olof Sextet, "To a Water Lily" (Macdowell) (B2690).
 New Light Symphony Orchestra, "Spanish Dance" (Moszkowski).
 Wurlitzer organ—Reginald Foort, "Just Like a Darby and Joan."
 6.28: Tacet.
 8.30: Jack Hylton's Orchestra, "The Selfish Giant" (Coates) (C1253).
 Victor Olof Sextet, (a) "To a Wild Rose"; (b) "In Autumn."
 Violin and Wurlitzer organ—De Groot and Terence Casey, "Parted."
 6.44: Tacet.
 6.45: Victor Symphony Orchestra, "Dance of the Hours" (Ponchielli).
 Wurlitzer organ—Reginald Foort, "Love Lies" (Kellard) (B2775).
 March—American Legion Band, "Iowa Corn Song" (arr. Beeston).
 6.58: Tacet.
 7.0: News session, market reports and sports results.
 8.0: Chimes.
 8.1: Overture—2YA Salon Orchestra (Conductor, Mr. M. T. Dixon) "The Chocolate Soldier" (Strauss).
 8.9: Mezz-soprano—Miss Mavis Chamberlain, "A Japanese Love Song."
 8.13: Novelty trio—The Three White Coons, (a) "Sand Dance" (arr. H. Clapperton); (b) "Luciana Holdown" (arr. Rodger).
 8.20: Popular songs—Miss Betty Hilliard, (a) "Coal Black Mammy," from "Babes in Wood" (St. Helier); (b) "My Mammy," from "O, Lady, Lady" (Donaldson).
 8.26: Tenor—Mr. William Renshaw, (a) "I Know of Two Bright Eyes" (Clutsam); (b) "Linden Lea" (Vaughan Williams).
 8.32: Clarinet—Mr. H. Langtry and 2YA salon Orchestra, "Reve."
 Selection—2YA Salon Orchestra, "Vision of Salome" (Lampe).
 8.40: Humour—Mr. T. O'Connor, "Coming Home" (Jackson).
 8.46: Accordion—Pietro, "The Kiss Waltz" from "Il Bacio" (Arditi).
 8.49: Contralto—Miss Nora Greene, "My Dearest Heart" (Sullivan).
 8.53: Selection—2YA Salon Orchestra, "Request Item."
 9.1: Weather report and announcements.
 9.3: Mezzo-soprano—Miss Mavis Chamberlain, "Here in the Quiet Hills" (Carne).
 9.7: Chorus and orchestra—Light Opera Company, Vocal Gems from "Whoopee" (Kahn-Donaldson).
 9.11: Novelty trio—The Three White Coons, (a) "Irish Airs and Melodies" arr. Rodger; (b) "Chinese Gallop" (Godfrey).
 9.18: Popular song—Miss Betty Hilliard, "Barefoot Days."

- 9.22: Selection—2YA Salon Orchestra, (a) "The Lost Chord" (Sullivan); (b) "Bells Across the Meadow" (Ketelbey).
 9.30: Humour—Mr. T. O'Connor, "Dismal Jimmie" (Winter).
 9.36: Tenor—Mr. William Renshaw, "Annabelle Lee" (Leslie).
 9.40: Wurlitzer organ—Sandy Macpherson, (a) "The Monk's Dream" (Holmes); (b) "Starlight" (Brownsmith) (H.M.V. B3173).
 9.46: Contralto—Miss Nora Greene, "Sink, Red Sun" (Del Riego).
 9.50: Chorus and orchestra—Light Opera Company, Vocal Gems from "Hold Everything" (de Sylva, Brown and Henderson) (H.M.V. EB41).
 9.54: Instrumental—2YA Salon Orchestra, "The Latest Dance Novelties."
 10.4: Dance programme—"Columbia" Hour.
 Foxtrot—Ipana Troubadours, "Building a Nest for Mary" (Greer).
 Slow foxtrot—Piccadilly Players, "Bogey Wall" (Wallace) (01567).
 Foxtrot—Ipana Troubadours, "I Used to Love Her in the Moonlight."
 Waltz—Rhythmic Troubadours, "My Irish Paradise" (Tilsley).
 10.12: Vocal duet—Layton and Johnstone, "Lady Divine" (Shilkret) (01658).
 Foxtrot—Piccadilly Players, "I'll Always Be Mother's Boy" (Green).
 Foxtrot—Paul Whiteman's Orchestra, "When My Dreams Come True."
 Foxtrot—Piccadilly Players, "There'll be You and I" (Green) (01639).
 Foxtrot—Piccadilly Players, "I'm Ticked to Death I'm Me" (Butler).
 10.27: Cinema organ—Regal Cinema Organ, "Long Ago" (Elliott) (Regal).
 Foxtrot—Lou Gold's Orchestra, "Walking with Susie" (Gottler).
 Foxtrot—Paul Whiteman's Orchestra, "Reaching for Someone."
 Foxtrot—Bert Lown's Loungers, "Big City Blues" (Gottler).



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Waltz—The Cavaliers, "My Dear" (Kahn) (01646).

10.45: Vocal solo—Ruth Etting, "You're the Cream in My Coffee" (de Sylva).

Foxtrot—Paul Whiteman's Orchestra, "S'posin'" (Razaf) (07027).

Foxtrot—Piccadilly Players, "My Mother's Eyes" (Baer) (01646).

Foxtrot—Paul Whiteman's Orchestra, "Laughing Marionette" (Collins)

Foxtrot—Lou Gold's Orchestra, "Breakaway" (Gottler).

11.0 : Sporting summary.

11.10: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, AUGUST 30.

3.0 : Afternoon session—Gramophone recital.

4.25: Sports results.

4.30: Close down.

5.0 : Children's Hour, "Aunt Pat."

6.0 : Dinner session, "Parlophone" Hour:

Fantasia—Edith Lorand Orchestra, "Johann Strauss Fantasia."

Piano and orchestra—Raie da Costa and Orchestra, "When Day is Done" (De Sylva) (A4041).

6.12: Tacet.

6.15: Hawaiian—David Kaili, "Honolulu March" (A2464).

Cinema organ—Leslie Harvey, "Where the Shy Little Violets Grow."

Waltz—Dajos Bela Orchestra, "The Grenadiers" (Waldteufel) (A4081)

Saxophone—Arnold Briliant, "Fascination" (Bernie) (A2676).

6.28: Tacet.

6.30: Waltz—Dajos Bela Orchestra, "Polish Life" (Nedbal) (A4008).

Piano and orchestra—Raie da Costa and Orchestra, "Sweetheart, I'm Dreaming of You" (Carter) (A4041).

Instrumental—Dajos Bela Orchestra, "Dancing Demoiselle" (Fall).

6.42: Tacet.

6.45: Selection—Edith Lorand Orchestra, "Dollar Princess" (Fall) (E10512)

Waltz—Dajos Bela Orchestra, "Casino Tanze" (Gungl) (A4081).

6.57: Tacet.

7.0 : News session.

7.30: Sports results to hand.

8.0 : Chimes.

Overture—Edith Lorand Orchestra, "Tales from the Vienna Woods."

8.9 : Soprano—Miss Betty Sutton, (a) "Fairy Lures" (Stanford), (b) "The China Dancer" (Rolt).

8.15: Cornet solo—Mr. Fred Fox, "Weber's Last Waltz" (Hartmann).

8.19: Male chorus—Parlophone Melody Company, "Convivial Songs, Part 1": "There is a Tavern," "Drink to Me," "Little Brown Jug," etc.

8.23: Violin—Miss Irene Morris, "Cantilene" (Bohm).

8.26: Novelty—Charles Lawrence's Happiness Boys in a Medley of Songs and Patter.

8.41: Instrumental—Christchurch Broadcasting Trio, "Miniature Trio."

8.49: Popular songs—The Melody Maids, (a) "The Album of My Dreams" (Arlen), (b) "Ragamuffin Romeo" (Wayne).

8.55: Duologue—Clapham and Dwyer, "Golf" (Clapham and Dwyer) (Parlo.)

9.1 : Weather report and station notices.

9.3 : Orchestral—Edith Lorand Orchestra, "La Serenade" (Valse Espagnole) (Metra) (Parlophone E10522).

9.7 : Soprano—Miss Betty Sutton, "Pale Moon" (Knight Logan).

9.11: Violin—Miss Irene Morris, "Waltz" (Brahms).

9.14: Male chorus—Parlophone Melody Company, "Convivial Songs, Part 2": "I Married a Wife," "John Peel," "Sally in Our Alley," etc. (Parl.).

9.18: Military calls on the cornet—Mr. Fred Fox: Cavalry Calls—Reveille, Stables, Feed, Watering, Mess Call, Field Calls—Prepare to Mount, Mount, Walk, March, Trot, Canter, Gallop and Charge, Halt—The British Grenadiers (arr. Fred Fox).

9.24: At the piano—Charles Lawrence's Happiness Boys, "A Vaudeville Turn" (own arrangement).

9.44: Instrumental—Christchurch Broadcasting Trio, (a) "Berceuse" (Illynski), (b) "Reverie du Soir" (Saint-Saens), (c) "Poupee Vals-ante" (Poldini).

9.55: Popular songs—The Melody Maids, (a) "I'm Following You" (McDonald), (b) "Smile when the Raindrops Fall" (Howlett).

Dance music until 11 p.m.—"Edison Bell" Hour.

10.0 : Foxtrots—Alfredo and His Band:

"Now I'm in Love" (Shapiro, Yellen) (1318).

"Singin' in the Bathtub" (Magidson, Washington, Cleary) (1331).

"Am I Blue?" (Akst, Clarke) (1248).

Waltz—Harry Hudson's Melody Men, "Sleepy Valley" (Hanley) (1277).

10.12: Foxtrots—Alfredo and His Band:

"My Love Parade" (Grey, Schertzinger) (1319).

"Smiling Irish Eyes" (Ruby Perkins) (1331).

Tango—Marcu and His Orchestra, "Do You Still Love Me?" (934).

10.24: Vocal—G. H. Elliott, "Plain Chocolate" (Lutzen) (1325).

One-step—Harry Hudson's Melody Men, "Tell Me, Mother" (Yvain).

Foxtrot—Harry Hudson's Melody Men, "Happy Days are Here Again."

Foxtrot—Harry Hudson's Melody Men, "O, Ya, Ya!" (1336).

Waltz—Harry Hudson's Melody Men, "Marie" (Berlin) (1274).

10.36: Foxtrot—The Plaza Band, "Cute Little Flat" (1230).

Foxtrot—Harry Hudson's Melody Men, "Lucky Me, Lovable You."

Vocal—G. H. Elliott, "Sentimental Luke" (Lutzen) (1325).

10.45: Tango—Motoi and His Orchestra, "In the Twilight" (934).

Foxtrots—Harry Hudson's Melody Men:

"Mickey Mouse" (1321).

"Building a Nest for Mary" (Rose, Greer) (1274).

"Cuckoo in the Clock" (Collins) (1321).

Waltz—Alfredo and His Band, "Let Me Have My Dreams" (1248).

11.0 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, AUGUST 30.

1.30: Carisbrook—Running Description of Rugby Football.

4.30: Close down.

5.0 : Chimes. Children's hour, conducted by Aunt Anita.

6.0 : Dinner music—"Columbia" Hour.

Orchestral—Herman Finck and His Orchestra, "Waldteufel Memories."

'Cello—W. H. Squire, "Gavotte" (Mehul) (03646).

Mandolin band—Circolo Mandolinistico, "Torna a Surriento."

6.13: Tacet.

6.15: Band—B.B.C. Wireless Military Band, "Dance of the Tumblers."

Octet—Squire's Celeste Octet, "Funeral March of a Marionette."

Saxophone—Chester H. Hazlett, "Valse Inspiration" (Hazlett).

Orchestral—Plaza Theatre Orchestra, "Pearl o' Mine" (Fletcher).

6.28: Tacet.

6.30: Waltz—New Concert Orchestra, "Nights of Fragrance" (Ziehrer).

Quartet—Squire's Celeste Octet, "Air on G String" (Bach) (01713).

Saxophone—Chester Hazlett, "To a Wild Rose" (MacDowell) (01627).

Orchestral—Plaza Theatre Orchestra, "Bal Masque" (Fletcher).

6.43: Tacet.

6.45: Selection—Circolo Mandolinistico, "Stephanie Gavotte" (Czibulka).

Band—B.B.C. Wireless Military Band, "Golliwog's Cake Walk."

'Cello—W. H. Squire, "Madrigale" (Simonetti) (03646).

Waltz—New Concert Orchestra, "Vienna Maidens" (Ziehrer) (02979).

6.57: Tacet.

7.0 : News session.

8.0 : Relay of vaudeville programme from 3YA, Christchurch

10.0 : Dance session—"Brunswick" Hour.

Foxtrot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra,

"When the Little Red Roses Get the Blues for You."

Foxtrot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra,

"Puttin' on the Ritz" (Berlin) (4679).

Foxtrot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra,

"Leven-Thirty Saturday Night" (Burnett-Grantham-Kirkpatrick)

Waltz—Regent Club Orchestra, "It Happened in Monterey."

10.12: Foxtrot—Ben Bernie and His Orchestra, "To My Mammy" (Berlin).

Foxtrot—Roger Wolfe Kahn and His Orchestra, "The Moon is Low."

Foxtrot—Slatz Randall and His Orchestra, "What a Perfect Night

for Love" (Lenzen-Cameron-Bontsema) (4719).

10.21: Vocal—Chester Gaylord, "Any Time's the Time to Fall in Love."

Foxtrot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra,

"Courtin' Time" (Stoddard-Coburn-Burnett) (4754).

Foxtrot—Meyer Davis' Hotel Astor Orchestra, "Oh! How I Adore You."

Foxtrot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra,

"Song of the Dawn" (Yellen-Ager) (4756).

Waltz—Meyer Davis' Hotel Astor Orchestra, "Farewell."

10.36: Foxtrot—Ben Bernie and His Orchestra, "Looking at You" (Berlin).

Foxtrot—Earl Burnett and His Los Angeles Biltmore Hotel Orchest

"There's Danger in Your Eyes, Cherie!" (Richman-Meskill-Wend-

ling) (4716).

Foxtrot—Slatz Randall and His Orchestra, "Sweetheart Trail."

10.45: Vocal—Chester Gaylord, "Blue is the Night" (Fisher) (4766).

Waltz—Colonial Club Orchestra, "Why Don't You Love Me?"

Foxtrot—Roger Wolfe Kahn and His Orchestra, "Montana Call."

Foxtrot—Louis Panico and His Orchestra, "Wabash Blues."

Foxtrot—Earl Burnett and His Los Angeles Biltmore Hotel Orchestra,

"With You" (Berlin) (4679).

11.0 : God save the King.

Sunday, August 31

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, AUGUST 31.

3.0 : Afternoon session—Selected studio items, including literary selection by the Announcer.

4.30: Close down.

6.0 : Children's song service conducted by "Uncle Bert."

6.55: Relay of Divine Service from Unitarian Church (Preacher, Rev. Wm. A. Constable; Conductor, Rev. Wilna Constable; Organist, Mr. W. H. Wood).

8.30 (approx.): Relay of Municipal Band Concert from the Auckland Town Hall, under the conductorship of Mr. Christopher Smith.

9.30 (approx.): God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, AUGUST 31.

3.0 : Chimes. Selected gramophone items.

4.30: A recital of Hymns and Hymn-writers, ancient and modern, arranged by Mr. Andrew Morrison.

5.30: Close down.

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

7.0 : Relay of evening service of the Vivian Street Baptist Church (Preacher, Rev. J. T. Crozier; Organist, Mr. Chas Collins. Choirmaster, Mr. J. R. Samson).

8.15 (approx.): Relay of the Band Recital of the Port Nicholson Silver Band from the Grand Opera House (Conductor, Mr. J. J. Drew).
God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, AUGUST 31.

8.0 : Afternoon session—Gramophone recital.

4.30 : Close down.

5.30 : Children's Song Service by children of Salvation Army Young People's Brigade (conducted by Adjutant Goffin).

6.15 : Intermission of instrumental musical items.

6.30 (approx.): Relay of evening service from St. Stephen's Church of England, Ashburton (Preacher, Rev. A. J. Petrie; Organist and Choirmaster, Mr. J. O. Thompson).

7.45 (approx.): Intermission from studio of musical recordings.

8.15 (approx.): Relay from His Majesty's Theatre, Ashburton, of concert by Ashburton Silver Band (Conductor, H. J. Osborne).

Band numbers:

Hymn, "Nearer, My God, to Thee" (Mason).

March, "National Guard" (Alex. F. Lithgow).

Selection, "Nabucco" (Verdi).

Trombone solo (Bandsman S. Wallis), "The Joker" (Harold Moss).

Fantasia, "The Smithy in the Wood" (T. H. Michaelis).

Cornet polka (Dep.-Bandmaster Teale), "The Bostonian" (Rimmer).

March, "Federation" (J. H. Carter).

Vocal items:

Soprano—Mrs. W. R. Featherstone, "I Know That My Redeemer Liveth" (from Handel's "Messiah").

Contralto—Mrs. Sydney Bryant, "Arise, O Sun" (Maude Craske Day).

Mixed quartet—Mesdames H. J. Constable and F. J. Chambers, Messrs. K. R. Norrish and E. R. Hopwood, "Fierce Raged" the Tempest."

Baritone—Mr. R. J. Laurenson, "The Midnight Review" (Glinka).

Elocution—Miss Enid Thompson, "Captain Oates" (Rain).

God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, AUGUST 31.

3.0 : Chimes. Selected gramophone items.

4.30 : Close down.

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

6.15 : Close down.

6.30 : Relay of evening church service from First Presbyterian Church, Dunedin (Preacher, Rev. J. Stevely; Organist, Dr. V. E. Galway).

7.50 : Berlin State Orchestra, "The Mastersingers" (Wagner) (H.M.V.).

Victor Symphony Orchestra, (a) "Kamenoi Ostrow" (Rubinstein).

(b) "Liebestraum" (Liszt) (H.M.V. EB10).

8.15 : Relay from Ashburton of concert by the Ashburton Silver Band under Conductor H. J. Osborne.

Band numbers:

Hymn, "Nearer, My God, to Thee" (Mason).

March, "National Guard" (Alex. F. Lithgow).

Selection, "Nabucco" (Verdi).

Trombone solo (Bandsman S. Wallis), "The Joker" (Harold Moss).

Fantasia, "The Smithy in the Wood" (T. H. Michaelis).

Cornet polka (Dep.-Bandmaster Teale), "The Bostonian" (Rimmer).

March, "Federation" (J. H. Carter).

Vocal items:

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Elocution—Miss Enid Thompson, "Captain Oates" (Rain).

God save the King.

Australian Programmes

(Times shown are corrected for New Zealand.)

Thursday, August 21.

STATION 2FC.—9.30 p.m.: "My Old Dutch," a four-act drama, presented by the A.B.C. Players. Commencing at 10.30 p.m., the cricket scores of the Fifth Test match, England v. Australia, will be transmitted every half-hour and relayed to 4QG, Brisbane. At 12.45 p.m., scores and description of play up to the luncheon adjournment will be relayed to 4QG, Brisbane, 3LO Melbourne, and 5CL, Adelaide. 2BL will continue to give the scores until stumps are drawn.

2BL.—9.30 p.m.: Concert programme arranged by the Musical Association of New South Wales. 9.30 p.m. and 11.15 p.m.: Lindley Evans, pianist, in classical numbers. 9.46 p.m., 10.48 p.m., and 11.24 p.m.: Stanley Clarkson, basso. 10.2 p.m., and 11.6 p.m.: Gwen Selva, soprano. 10.10 p.m. and 11.32 p.m.: Trios for piano, violin and 'cello.

3LO.—9.30 p.m.: Dance programme by Clarrie Collins and His Orchestra. Vaudeville numbers will also be presented between dance numbers.

3AR.—9.45 p.m.: Studio reproductions of classical selections recorded by world-famous orchestras.

Friday, August 22.

STATION 2FC.—9.30 p.m.: A concert programme from the Aeolian Hall. 9.30 p.m. and 10.41 p.m.: Organ solos. 9.40 p.m. and 10.9 p.m.: Constance Burt, soprano. 9.59 p.m.: Piano and organ. "Prelude in C sharp minor," and "Prelude in G minor" (both by Rachmaninoff). 10.45 p.m.: Relay from 3LO, Melbourne, of the second half of a concert by the Brunswick City Band. (See programme for 3LO.)

2BL.—9.30 p.m. and 10.37 p.m.: The Carol Quartet. 9.37 p.m.: "The Air We Celebrate," a musical novelty. 9.52 p.m. and 10.24 p.m.: Fred Bluett, comedian. 10.1 p.m.: Clive Amado, saxophonist. 10.10 p.m. and 10.44 p.m.: Joe Bluett, entertainer. 10.45 p.m.: The A.B.C. String Quartet present "Slumber Song" (Squire).

3LO.—9.30 p.m.: An hour of vocal and instrumental music. 10.30 p.m.: "The Retreat from Mons," told by J. Howlett Ross. 10.45 p.m., and at subsequent intervals: Selections by the Brunswick City Band. 10.55 p.m.: The Paulasto Brothers present "In the Army," a comedy sketch. 11.30 p.m.: Novelty trio with harmonised chorus. 12.15 p.m.: Latest cricket information.

3AR.—9.45 p.m.: Community singing from the Central Hall, Geelong.

Saturday, August 23.

STATION 2FC.—9.30 p.m.: Concert programme from the Sydney Town Hall, under the auspices of the Fellowship of Mons. 10.45 p.m. and 11.29 p.m.: Queenie and David Kaili, Hawaiian entertainers. 10.52 p.m.: "Bluff King Hal," a radio sketch. 11.9 p.m. and 11.40 p.m.: Lucille Blair, popular vocalist. 11.2 p.m. and 11.36 p.m.: The A.B.C. Orchestra. 11.47 p.m. and 12.5 p.m.: Dance music from the ballroom of the Oriental.

2BL.—9.30 p.m. and 11.26 p.m.: Norman Wright, tenor. 9.37 p.m. and 11.9 p.m.: Stan Cartnell, comedian. 9.44 p.m. and 11.2 p.m.: Douglas McKinnon, concertina solos. 9.51 p.m. and 11.33 p.m.: Edith Cowley, entertainer. 10 p.m.: Description of boxing contest from the Sydney Stadium.

3LO.—9.30 p.m., 10.28 p.m., and 11.6 p.m.: The studio orchestra in classical selections. 9.40 p.m.: Miss Edith HARRY, pianiste, in a recital from her own compositions. At 11.15 p.m. she will present a short recital from the modern classics. 9.55 p.m.: The A.B.C. String Quartet. 10.3 p.m.: "In Summer Time on Bredon," a radio scene. 10.33 p.m.: Vernon Sellars and Patsy Hills, entertainers. 10.53 p.m. and 11.44 p.m.: Frank Tozer, novelty instrumentalist.

3AR.—9.30 p.m.: From the Town Hall, Melbourne, a concert by the Royal Victorian Liedertafel.

Sunday, August 24.

STATION 3LO.—9.30 p.m.: Transmission from the Plaza, St. Kilda, of a concert by Gustave Slapoffski and the Victorian Professional Orchestra.

3AR.—8.30 p.m.: Divine service from Scots Church, Collins Street, Melbourne. 10 p.m.: Relay of programme by 2BL, Sydney.

Monday, August 25.

STATION 3LO.—9.30 p.m.: "The Second Mrs. Tanqueray," a four-act play. 12 p.m. and 11.18 p.m.: Latest dance numbers by the studio dance band.

3AR.—9.30 p.m.: A vaudeville programme from the Tivoli Theatre. 10.30 p.m., 10.47 p.m. and 11.27 p.m.: The Fifty-ninth Battalion Band present selections from the studio. 10.35 p.m. and 11.47 p.m.: John Wright, baritone. 10.42 p.m. and 11.53 p.m.: Melo-piano solos. 10.57 p.m.: "La Viva Ensemble," half an hour of vocal and instrumental selections.

Tuesday, August 26.

STATION 3LO.—9.30 p.m.: A.B.C. orchestral concert, with Gustave Slapoffski and the Victorian Professional Orchestra. 10.30 p.m.: "Thunderbolt's Treasure Chest," a talk of the bushranging days.

3AR.—9.45 p.m.: "Jack and Jill Proprietary, Unlimited." 10 p.m.: Clarrie Collins and His Orchestra present dance numbers. Also at further intervals throughout the evening. 10.18 p.m. and 10.57 p.m.: Billie King, entertainer. 10.33 p.m. and 11.8 p.m.: Ellice Burke, soprano. 10.44 p.m., 11.55 p.m. and 11.22 p.m.: Master Four Male Quartet. 10.40 p.m.: Instrumental ensemble, "My Old Kentucky Home." 11.28 p.m.: Don Blackwood, vibraphonist.

Wednesday, August 27.

STATION 3LO.—9.30 p.m.: "The Rise of Rosie O'Reilly," a musical comedy in two acts, relayed from the "Midget" Theatre.

3AR.—9.45 p.m. (and at intervals throughout the evening): Harry Shugg's Band present varied selections. 9.55 p.m. and 11.20 p.m.: Jorna Twist, pianiste. 10.5 p.m.: "World Disarmament," a talk by Judge Foster. 10.25 p.m. and 11.14 p.m.: John Hobbs, baritone. 10.57 p.m. and 11.42 p.m.: Frank Lozer, novelty instrumentalist. 10.40 p.m. and 11.27 p.m.: Sadie Gipp, contralto.



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MAKE SURE CONNECTIONS
Are Specially Plated **PRICES**
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SAVE TIME **4d upwards**

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IMPORTER OF RADIO GOODS
404 Worcester St. Christchurch

The "Akarana" Band-Pass Four

Screen-Grid R.F. Stage

Contributed by an Experimenter

THIS is a four-valve battery-operated receiver with screen-grid radio valve and a band-pass filter. Working drawings and particulars of construction have been contributed by Mr. H. F. Bashford, of Blake Street, Avondale, Auckland, who is an experimenter of considerable experience, and claims that after trial of many components a highly efficient four-valve receiver is the result. Situated in Auckland, this receiver will give, it is stated, full loud-speaker reproduction of 2YA in the daytime.

It is recommended that constructors should adhere closely to all measurements, which can be ascertained from the lay-out plan, and a most important point is that the variable condensers should all be of the same make, because the products of different makers, nominally the same, have not the same characteristics.

An aluminium base is specified, and to eliminate possibility of a "short," a disc of insulating material should be placed under each valve socket. All wiring is carried out with "Glazite," and where necessary may be covered with spaghetti as an extra precaution, especially where passing through the shielding.

The aperture in the partition through which the screen-grid valve passes should be made at a height suited to the arrangement used for holding the valve socket. All components are bolted to the base with 1-8in. screws and nuts.

A good method of bending aluminium is to place the sheet between two pieces of board with the proposed flange projecting. This may then be tapped lightly with a wood or hide mallet and gradually brought to a right-angle. Four pieces of $\frac{1}{4}$ in. vulcanite $\frac{1}{4}$ in. long are tapped and screwed to the four screws that fix the side panels to the base. These act as legs for the receiver, and also as insulators.

Drill the front and rear panels 1in. from the top to take 1-8in. bolts and nuts to support sides when in position.

Note that all dotted lines shown in the wiring plan indicate wires, mostly to filaments, passing underneath the base.

Band-Pass Filter Coils.

A VALVE-BASE is used for convenience of plugging in, a round block of wood $\frac{1}{4}$ in. high being turned to two diameters, as shown in the diagram.

The lower portion fits into the valve base, and is secured with seccotine, after winding coils and threading leads through holes in block and valve base. The upper portion fits into the lower end of coil former, which is secured in position with three small brass screws.

Note that the finish of the left-hand coil is exactly in line with the start of the right-hand coil. The 30-gauge wire is spaced 1-8in. from the 28 gauge.

A strip of formica 3-16 by $\frac{1}{4}$ in. is recessed 1-16in. as shown, so that it stands clear of the windings, while acting as a support for the side coil. Washers are placed between the strip and the coil formers on both sides, so that the windings are $\frac{1}{4}$ in. apart.

In order that the coils may be readily interchangeable, an insulated terminal may be put into the screen immediately above the screen-grid valve. A flexible wire is taken from the .0005 condenser to this terminal, and also one direct

from the valve terminal to the insulated terminal.

The flexible wire from the 1 mfd. condenser has a small "crocodile" clip attached to it, to clip to the "start" terminal of the right-hand coil. The "finish" terminal is then connected by a flexible wire to the insulated terminal on the screen.

Always switch off the "B" battery before changing coils, otherwise sparks will fly if the clip should touch the shielding.

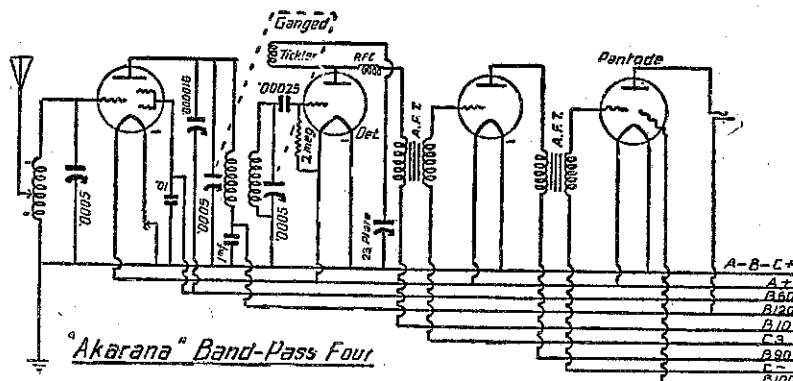
A sheet of glass in a wood frame is specified as a cover for the top of the receiver to exclude dust, but there does not appear to be any reason for not completing the shielding with an aluminium top.

The screen-grid valve used in the original was the A442, with A415 as detector and first audio. When a 6-volt accumulator is used with UX type valves in later stages, a total resistance of 34 ohms is required in the filament circuit of the A442, or 22 ohms for the UX222, but the use of the latter would entail slight alterations in the lay-out owing to the grid connection being on the top of the valve.

In the original a 4-volt pentode was used as the output valve, but in this stage the substitution of a different valve is a simpler matter than in the r.f. stage.

A trimmer condenser of 16 mmfds. is shown in parallel with one of the gauged .0005's and is situated on the right-hand end of the receiver.

A diagram of the front panel is given, showing a front dimension of 18 x 7 inches, but at the two ends and lower edge there is a $\frac{1}{4}$ in. flange turned at right-angles. Distances between drilling centres for holes are given at the foot. Suitable openings must be cut in the position of the dial apertures.



Aerial Coil

70 turns
28 d.s.c.



1/2

3/4

Wood

Valve Base

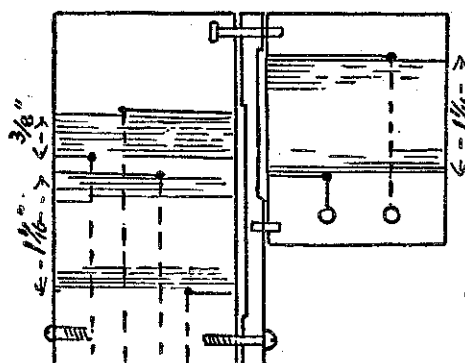
Start

Finish

70 turns Clockwise

Tap 15

Tap 30



Start

Finish

60 turns - Clock

40 turns Anti-clock

Start 30's

Finish 30's

60 turns Clockwise

Start 28's

Finish 28's

Start 30's

Finish 30's

Start 30's

Finish 30's

Start 30's

Finish 30's

Components Required

- 1 SLF .0005 variable condenser.
- 1 SLF .0005 variable gauged.
- 1 23-plate midget var. condenser.
- 1 5-plate midget var. condenser (.000016).
- 1 1 mfd. fixed condenser.
- 1 .01 fixed condenser.
- 1 .00025 fixed condenser.
- 1 30-ohm rheostat.
- 1 broadcast RF. choke.
- 2 audio transformers, 3.5 to 1.
- 1 2 meg. leak and mount.
- 1 s.c. jack, 6-valve sockets.
- 1 220v "B" switch, 1 "A" switch.
- 1 12-wire battery cable.
- 2 illuminated dials.
- 6 doz. 1 x $\frac{1}{4}$ screws and nuts.
- 12ins. 1 1/2in. Formica tubing.
- 1lb. 28 d.s.c. wire.
- 2oz. 30 d.s.c. wire.
- Glazite, spaghetti, etc.

Metal for Screening Box.

- Base 16 g. aluminium sheet, 18 $\frac{1}{2}$ x 11 $\frac{1}{2}$ in.
- Front panel 16 g. aluminium sheet, 19 x 7 $\frac{1}{2}$ ins.
- Rear panel, 16 g. aluminium sheet, 19 x 7 $\frac{1}{2}$ ins.
- 2 Sides, 11 x 7 $\frac{1}{2}$ ins.
- Screen, 10 x 7 $\frac{1}{2}$ ins.

Note that the above mentioned include flanges where required.

A.C. (Nelson) asks if there are two types of 171A valves, as he has seen in the "Guide" where one uses 1½ volts a.c. on the filament, and the other 5.

A.: Volts in the text should of course read watts. The table makes this clear.

2. What is the difference in construction of a power and a 201A type valve?

A.: The main points of difference are the longer and thicker filament in power valves, the grids, which in general purpose valves are of thin wire and close together, and the distance of the grid from the filament, for the smaller this is the greater will be the amplification and the less the ability to handle strong signals. The size of the plate has a very big effect on the valve for power valves usually have much larger than general purpose ones. A larger plate made hotter by greater voltage draws more current.

3. How are the differences in impedances arranged?

A.: They are due to the spacing of the elements and the size of the grid and filament.

4. Is it on account of different valves being filled with different gases that the impedances vary?

A.: Only in special valves is there any gas. Almost invariably in general receiving valves there is a vacuum.

DIAMOND (Christchurch) asks which valves should be used in an a.c. receiver.

A.: We do not draw comparisons between commercial products. The three types of valves mentioned by you are quite good, but in the case of the non-American valves see that you get the exact American equivalent if you decide to use that make.

E.J.S. (Takaka) has a five-valve commercially-built r.c.c. receiver. There is no C battery and reception is weak. How could the signals be strengthened, and how can a C battery be added?

A.: It appears as though one of the grid leak resistances used in the r.c.c. amplifier has broken down, and without a supply of these to test by trial and error, or an accurate instrument, it would not be easy for you to locate the trouble. If you wish to experiment buy a few grid-leaks of the following values: 100,000 ohms., 250,000 ohms., and ½-megohm. Try these in place of

those already in the set. To insert a C battery find the grid return of the last valve, that is "F" or "C—" on the last audio transformer. It will be the only connection running from this piece of apparatus to A—. Break the connection and attach enough leads to reach to the C battery. If you use a medium power valve in the last stage you will need about 9 volts bias, and with a suitable battery connect C+ to A—, and C— to the grid return of the last valve.

2. My valves are about 12 months old. Would this cause the drop in volume?

A.: No doubt it would have an effect. We think the real trouble lies in the resistances.

3. The makers stipulate 201a's. Will 221's do?—Yes.

4. Would an H.R. 4-valve receiver do better?

A.: It should do.

5. What is the value of a condenser with six moving and seven stationary plates 3in in diameter?

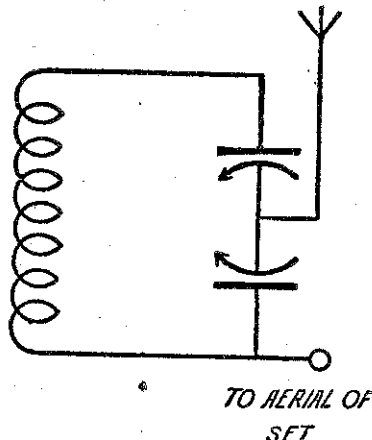
A.: Probably .00025.

MICRO-AMP (Gisborne) asks for data on resistances to convert a 0-25 volts a.c. meter (26 ohms per volt) to 250, 500, 750, and 1000 ranges.

A.: The following resistances are required: 6250 ohms, 12,500, 18,750, 25,000. These will be approximately correct to about 4 per cent.

2. Will the resistances require to be non-inductively wound?—Yes.

3. What would be the resistances to use with a 0-250 volt 1000 ohms per volt



This circuit should help the correspondent who is experiencing selectivity trouble.

d.c. meter to increase the range to 500, 750 and 1000?

A.: 250,000, 500,000, 750,000, 1,000,000 ohms. Each would be required to pass no more than one mil.

How would a meter reading 0-10-100 mils. be increased to read 100, 200, and 500 mils.?

A.: We could not tell you this without finding the resistance of the moving parts of your meter. This would be probably a few ohms or less. The best method is to shunt a 0-10 rheostat across the terminals and adjust it until it reads correctly to your requirements. One method of doing this is to arrange the meter in circuit so that the full drain is passing through it, then connect the meter in parallel and adjust it until the reading is some fraction of the whole. The range can then be recalibrated.

Where can one procure accurate resistances?

A.: Of those you mention the Electrad can be procured from at least Ballinger and Sons, Wellington, and Johns Ltd., Auckland, but they are probably procurable at most dealers.

J.H.C. (Sandringham) would like to hear from any Auckland constructors who have made eliminators or similar apparatus described in the "Record." He would like to compare notes for mutual advantage. His address is "J.H.C., c/o Fresno Press, 25 Swanson Street, Auckland." Telephone 45-393.

CURIOUS (Westland)—Is it possible and practicable to connect earphones to an all-electric 8-valve receiver?

A.: It is quite possible, and can be done by first locating the voice coil of the dynamic speaker. Trace this back to the stepdown transformer, and from the set side if this brings out two leads. These must be taken through the primary of a 1-1 transformer, and the secondary can be led off to the phones. The voice coil goes to the cone of the speaker.

2. Can you tell me which two sets you would favour from the following (and here the correspondent enumerates several well-known receivers)?

A.: We cannot differentiate between factory-made machines. It is even difficult to tell you their characteristics unless we know the particular models to which you refer. We have tested and reported on B, but have no technical data on the others.

L.W.S. (Te Awamutu) asks how a cone-speaker might be connected to an a.c. Console set.

A.: See the reply to the above correspondent.

T.H.C. (Runanga) asks concerning the crystal and two-stage amplifier described in the 1929 "Guide," whether the crystal is connected into No. 3 tapping.

A.: No, the crystal is connected to No. 2, and the speaker to Nos. 3 and 4. Disregard Nos. 1 and 5. By doing this your amplifier should work.

BATTERY (Hokianga) asks if it would be possible to add an additional screen-grid stage to a 4-valve Browning-Drake.

A.: Yes, the data in the 1929 "Listeners' Guide" should be sufficient. It would be possible for you to find out the circuit constants from the 2 r.f. Browning-Drake and the adapted screen-grid Browning-Drake.

2. We are supplied with 230 v.d.c. mains. Would it be possible to convert this set to an all-electric, and what would roughly be the cost.

A.: As we announced previously, we shall describe a d.c. eliminator for "A," "B," and "C" batteries. We publish with it directions for making a completely mains-operated d.c. set. This we will publish in a fortnight. Unfortunately we cannot tell you definitely the cost, but it should be about £3. You could use a rotary converter and an a.c. set, but the cost would be about £20.

M. (Napier) enclosed two stalled stampings, and wants to know if these will do in the Lofting-White amplifier.

A.: They can be used for the power transformer and the choke if they are regarded as 1½ in. stampings. The same number of turns will apply as have been given for this in the 1930 "Guide."

2. Could the transformer and a choke be made following the directions in the "Guide" without further directions for using this type of core stamping.

A.: The stampings in the "Guide" are a different shape. You would need first to work out the amount of space your transformer will take, but it should go into the window provided quite easily. The core is assembled by pushing the centre leg of the larger stamping through the centre of the wire, and then from the other side pushing in the short one until they meet. The spool of course will be 1½ x 1½ x the length of the window. The second layer of stampings will be arranged so that the short leg falls over the longer one. 1/t is then an alteration of short and long on each side. Shellac the stampings well and the transformer should be quite a good one. Before putting the power on to the filaments of your a.c. valves, borrow an a.c. volt-meter or a moving iron d.c. meter, and test the low voltage delivered.

Note.—We are sorry we could not answer your question before, but there were about 50 in ahead of you, and each inquirer must take his turn.

PUZZLED (Auckland) wants to know the current taken by his 5-valve set.

A.: You could have looked this up from the "Radio Guide." We make it to be about 14 mils if you have the maximum voltage and the appropriate bias.

2. I am using an electrolytic "B" power suit rated at 135 volts, 40m amps. Is this sufficient, at when I turn on the r.f. valves the loudspeaker makes a throaty noise.

A.: It should be quite satisfactory providing the solution is kept up to the right strength. For further information on electrolytic elimination see a dealer who handles them.

W.F.H. (Westport) wishes to know the voltage delivered from 3002 eliminator.

A.: This depends upon the drain. It will deliver 150 volts at 30 mils, maximum tapping. We cannot tell you what each tapping will give unless the drain is known. For a pamphlet on this eliminator write Philips Lamps, Hope Gibbons Buildings, Wellington.

2. Can I charge an "A" battery by adding a Bell stepdown transformer to the high voltage tapping of the above eliminator.

A.: No. You would require a separate transformer and a rectifier. The current delivered by the tappings on your eliminator is d.c. and you could not step it down with a transformer. It could be broken down with a resistance, but it would not supply nearly current enough to charge your "A" battery. A "B" eliminator and "A" battery charger combined can be obtained. The New Zealand agents are J. A. Smyth and Co., Victoria Street, Wellington.

3. Where might I obtain test tubes for making the wet "B" batteries?

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P.O. Box 1029.

LISTENERS must attach this coupon to all queries sent to the Technical Editor (Box 1032, Wellington). Questions arriving without it are likely to go astray or be delayed.

Name of set
Number of Valves
Name
Address

Nom de plume

To be kept in subsequent inquiries.

Date

Please Note:—

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

Solving trouble, as different from advice, is difficult by correspondence and while letters are given every consideration, answers are not necessarily correct—they are only our opinion based on the matter supplied, which may be quite inadequate. Intricate and involved specifications cannot be supplied without a specialist's fee.

5. How many turns would be required for the coils for the Browning-Drake?

A.: They are given in the "1930 Radio Listeners' Guide."

AERIAL (Greymouth).—The signals come through my set irregularly. Sometimes they are loud, other times inaudible.

A.: A fault such as this is difficult to locate when the set is not to hand. Your only method is by searching, preferably with a continuity tester. It may be a broken-down condenser.

2. I intend building a short-wave receiver which would give loudspeaker reception from all parts of the world. Where could I obtain a circuit, how many valves, what would it cost to operate, and what would be the approximate cost to build?

A.: We can recommend no better than the 4-valve screen grid receiver described in the "1930 Listeners' Guide." It would cost from £10 to £12 to build, and operation costs would include say, two sets of B batteries a year and the constant charging of your A battery.

C.W. (Christchurch): Should I be able to get American stations with a commercial receiver with a good aerial.

A.: If you looked for them at the right time and your set was sufficiently tuned up you probably would get them.

B.H.W. (Oamaru): Would you send me a diagram for a one-valve short-wave adaptor to plug in a six-valve set?

A.: An adaptor was described in the "1929 Guide," but omit the by-pass condenser between the plate and A-1 shown in the lower diagram. The theoretical is correct.

YALE (Wairoa): I like to listen to 2BL on Saturdays, but am interfered with by 1YA. Can this be remedied?

A.: Only by the use of a wave-trap.

2. Is there any way of eliminating or modifying blasting noises?

A.: A properly biased set should not blast. Check up and see if it is not the station.

SUBSCRIBER (Christchurch): Where could I obtain information as regards electric clocks?

A.: The Te Aro Book Shop, Wellington, has a volume priced less than 2/6 which would suit your requirements.

A Practical Scratch-Filter For the Radio-Gramophone

ALTHOUGH a new gramophone record of high quality gives very little scratch noise when reproduced by the medium of a pick-up, there are others that are less free from the necessary high frequencies constituting the scratch noises. Much-used records of any kind may be included in this class. If we reproduce all frequencies up to 5500 cycles per second, the recorded music will not be impaired, and by cutting out all frequencies above that figure it is possible to remove entirely the high-pitched "swish" that accompanies gramophone reproduction when a scratch-filter is not incorporated. When a test is carried out by connecting and disconnecting the filter during the playing of a record, the improvement effected by the filter is easily noted, and those constructors whose aim is to make reproduction as nearly perfect as possible, will recognise that the addition of a filter is worth while, especially as the task of construction is a comparatively small one.

It must be emphasised that the filter should not have any effect upon the reproduction of good, new records, but the older the record the more will the cleaning-up effect be noticed.

A honeycomb coil of 1500 turns in combination with a condenser of .008 m.f.d. capacity tunes to 5500 cycles, but a coil of this inductance (200 millihenries) is difficult to make, and at the present time is extremely difficult to procure.

By placing a small amount of iron in the centre of the coil the by-passed band is slightly broadened. This is an advantage, so a small audio choke of low inductance with a total of 1500 turns was decided upon. Taps are

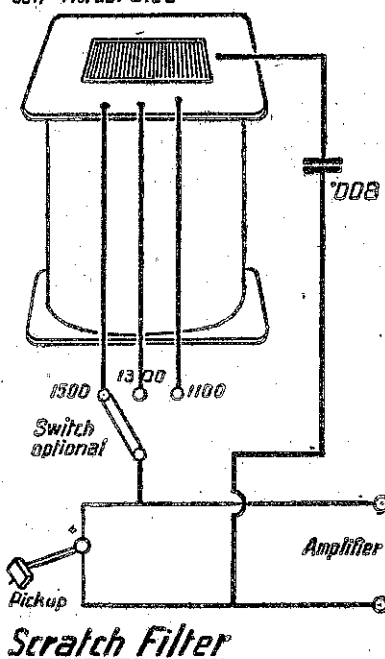
provided at 1100 and 1300 turns. For convenience in placing the spool on a winder, a core 5-8in. square was used, and in order to keep the inductance low and have easily-accessible material for constructors the core was constructed of common tin cut into strips 1 3/8 by 5/8 (bare) inches. On the wooden former, which is not less than two inches long, two thicknesses of stout paper 1 7/16in. wide are placed, securing with seccotine. Manilla or similar hard paper should be used. Spool ends 1 1/4in. square are made of cellu-

up leads, either at the gramophone or at the amplifier end. The taps on the coil may be brought to studs of a selective switch. Normally, 1500 turns are used, but for very noisy records it will be found necessary to switch over to a lower number. Values are not very critical in this piece of apparatus. It will not cut out scratch noises of a frequency below about 5000 cycles without considerably affecting the quality of the music.

Tests were made with numerous condenser values higher and lower than .008, but this figure was found to give best results.

If alternating-current is used to run the amplifier, the coil and condenser should be placed in a small tin box which is "earthed," otherwise the coil will probably pick up a small amount of hum. This was the writer's experience, but the tin box cut out every trace.

Coil—Actual Size



Operates a Good Station

ZLIBB, Auckland

THE call-sign ZLIBB is well known among New Zealand short-wave listeners and belongs to the amateur transmitting station operated by Mr. R. Beazk., Alexandra Avenue, Auckland. The station has been on the air since May, 1928, and has operated on three different wave bands. For the first six months it was on the 80-metre band, for the next three on the 30-metre band, while since then it has worked on the 40-metre band. The receiving valves used during the first year proved of insufficient power, so a UX852, 200-watt valve was installed and has been in constant use ever since. The power input is now 275-300 watts.

Considering that ZLIBB has never been operated on the 20-metre band it has put up a really excellent record. While working on the 30-metre band contacts were established with U.S.A., Australia, and Japan. On its present band it has been in communication with 24 countries, and has had over 200 QSO's with U.S.A., all these contacts being made before 9 p.m. The best contacts were made about last Christmas when Belgium, Germany, Siberia, Algiers and Morocco were worked, while many reports were received from listeners in England and Holland.

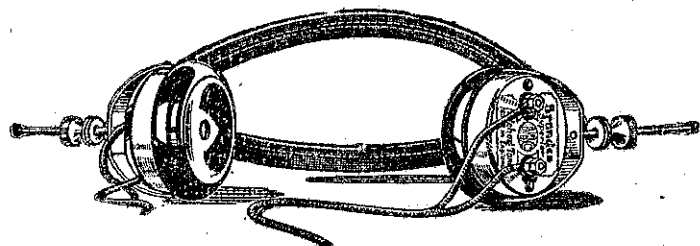
laid or other material, to fit over the ends of the manilla, leaving a space of 1 5/16 between. Wind with 36 s.w.g. enamelled wire. The original was layer wound, but the turns may be "run in." Insulate tap joints with tissue-paper and cover the coil with adhesive tape.

Half-fill the core space with laminations, filling the remaining space with a slip of wood or strips of cardboard, packing fairly tight.

THE coil and condenser are connected in series and across the two pick-

Brandes

The Name to know in Radio



Made in England

Price 15/-

OBTAINABLE FROM ALL RADIO DEALERS OF
INTERNATIONAL RADIO Co. Ltd., Ford Bldgs., Wellington

YOU, TOO, SHOULD OWN A

Philips Q.P. Radio Set

It operates from the light socket with or without an aerial, complete with Speaker,£19/15/-

One Year's guarantee with set—Small deposit on Terms

G. G. MACQUARRIE LTD.,

Radio and Electrical Dealers, 120 WILLIS ST., WELLINGTON.
DEMONSTRATIONS DAILY Phone 45-865

DX Topics

(Continued from page 8.)

land wires to the tape recorders in New York city, where the radiograms are received.

Establishment of the first commercial radio service using the ultra-high frequencies or channels beyond the range recognised as practicable for regular service, was authorised by the Federal Radio Commission, with a grant of 16 channels to the Mutual Telephone Company of Hawaii. The company sought these channels of inter-island telephone communication; experiments having proved the feasibility of these hitherto commercially unusual frequencies for linking the regular land-line telephone systems on the Islands. Two-way 'phone service will be possible among the islands, without distortion, it is claimed. The recognised radio output for commercial work is 23,000 k.c., although experiments are authorised beyond this limit. Under international agreement, however, 23,000 k.c. is designated as the extreme upper end of the radio spectrum.

Under date July 8, the General Electric Company, Schenectady, N.Y., in writing to Mr. R. Leslie Jones, stated that through the fine co-operation of VK 2ME, the General Electric Company had been able to put a signal completely around the world the lapse of time being about one-eighth of a second. PHI, of Huizen, and PLW, of Bandoeng, Java, were also in the circuit. Some excellent photos were posted to Mr. Jones, including a few depicting Kingsford Smith speaking into the microphone at Schenectady, N.Y., when in telephonic communication with his parents in Australia. Another fine photo was that of the following quartet—Messrs. Adolph Ochs ("New York Times"), Martin P. Rice (manager of the Broadcasting Department, General Electric Company), Arthur Mays Sulzberger (vice-president "New York Times"), C. D. Wagoner, News Bureau, General Electric Company.

DX Competition

Conditions Listed

OUR DX competition, fully announced in the issue before last, is meeting with general approval. Of the large number who have written us on this score, only a few have criticised adversely. We have been pleased to hear from these readers, and thank them for their suggestions, but in view of the several factors we have to consider, we do not, at this stage, intend to announce any changes. Nevertheless we welcome suggestions.

Among others, the suggestion has been made that a handicap be given for districts and types of sets. This cannot be; for very small sets, on account of the interference caused on stations enjoyed by owners of larger sets, cannot be encouraged to d.x. In this respect it is interesting to note that some of the best logs are held by four-valve sets.

Then location—it has been stated that city listeners have no chance of DX-ing. In some respects they are at a disadvantage, but one of the best logs we have seen is the proud possession of a Wellington listener.

Another suggestion is that Australian "B" class stations should be admitted if logged in daylight. Decision on this point is being held in abeyance for the present.

1. The listener who can, within six

months, collect the greatest log of stations and comply with the conditions set forthwith, will have his name inscribed on the "Radio Record" cup. This will remain the property of the "Radio Record," but the winner will be presented with an inscribed miniature. The original cup will, if possible, be on view at the Radio Exhibitions.

2. The stations counting for the competition must have frequencies not exceeding 1500 kilocycles nor less than 545 kilocycles per second (200-550 metres).

3. All stations must be verified. The enthusiast should listen to the items and note sufficient of them so that the station officials can recognise the broadcast. A letter or card to this effect must be in the possession of the listener before he can claim credit for a station. The winner must be prepared to send his verifications to the "Record" for checking. They will be returned. Overseas stations appreciate notes from listeners stating how their transmissions came through—were they fading, strong, weak, variable,



Miss Muriel Johns,
A popular
3YA vocalist,
who is to be
married
shortly.

musky, distorted, pure, etc.? It is really not good enough to say "I heard your station: please give me a card for the competition." You never know; under these circumstances they might refuse. Help them and they will help you.

4. The lists will be reviewed every six months, but stations received during one period of six months can count for the ensuing one, providing their frequencies remain constant during that period. If, however, the station changes its frequency after the commencing date of the six-monthly periods (in this case July 31), the old verification will count for the current period, but the station must be re-logged in order to count it in the next period. This arrangement should place old and newcomers on a more even basis. All logs for the first period must be in our possession by January 1, 1931. (The period here is slightly less to establish regularity.)

5. The following stations are not included in the competition:—All New Zealand and the following Australian stations: 2FC, 2BL, 4QG, 3LO, 3AR, 2GB, 2UE, 5GL, 6WF, 7ZL. This is to prevent possible interference with the programmes that are enjoyed by non-DX-ers.

6. The right is reserved to add further conditions or alter existing ones as unforeseen circumstances demand.

7. The decision of the judge will be final.

It is hoped that DX-ers will play the game and continue to help one another in the identification of stations. After all, the aid given will probably be mutual, and listeners will have the satisfaction of knowing that they have helped the other fellow along.

When due consideration is given it will be seen that the competition is fairly even. Listeners using large factory-built receivers certainly have the advantage as far as amplification is concerned, but the owner of the set with the fewer valves can use both 'phones and regeneration—an effective DX combination that is preferred by many amateurs.

China on Short-Wave.

I PICKED up on August 3 what I take to be a new s.w. station, on about 49.8 metres. I thought at first it was a

Jap., but it turned out to be Chinese. I asked one of the local Chinese to listen, and he translated some of the announcements, which related to the artists and the music. Announcements were made in English twice while I was listening, but it was hard to understand. The last announcement was to the effect that "our broadcasting is now finished," and that the station was closing down until 10.45 a.m. to-morrow (i.e., Monday, 4th).

Reception was excellent, being quite strong enough to enjoy 35ft. from the speaker. Modulation was perfect. Prior to the programme of Chinese music, a number of English items were broadcast. —"Ray Dio" (Shannon).

HAVE you renewed your subscription to the—

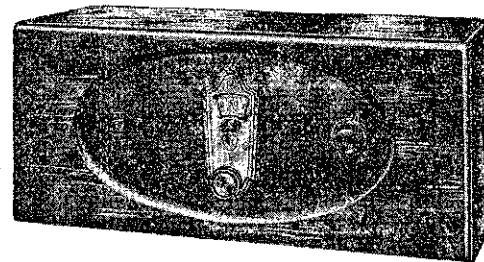
"Radio Record and Electric Home Journal"?

12/6 in Advance; 15/- Booked.
BOX 1032, WELLINGTON.

An all-electric set that costs less than 1/- weekly to run

Price £19/10/-

Complete. Easy terms:
£1 deposit, 6/- weekly
for 69 weeks.



The NEW 1931 Improved "ACE"

The Ace-3 Electric definitely costs less to run than any other 3-valve set. Current costs only 1d. for 10 to 50 hours (depending, of course, on the cost per unit in your district). 1/- a week would easily cover all your running expenses, and for this modest sum you would enjoy hours of pleasure each day. The easy buying terms, too, make the Ace-3 a very attractive proposition. Now see what the "Ace" can do.

20 Reasons for "ACE" Supremacy

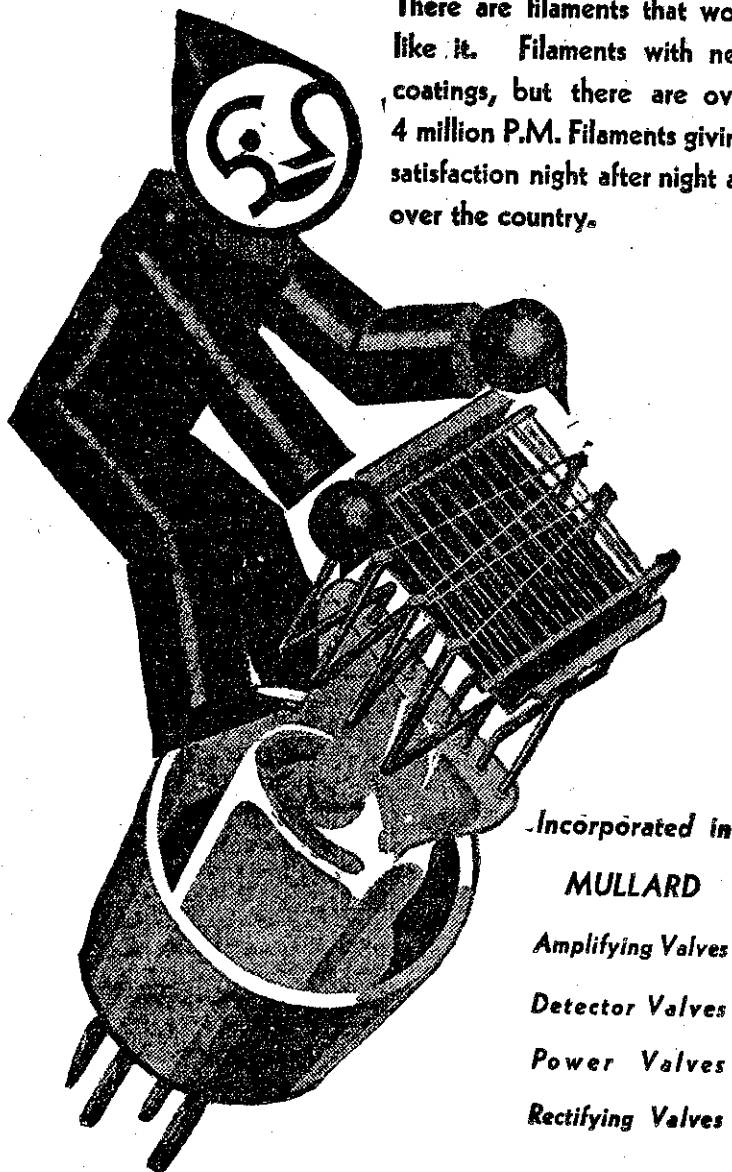
1. Very handsome appearance, with highly-polished wood cabinet.
2. DUCO polished, giving beautiful durable finish.
3. Three valves (all Radio).
4. Westinghouse metal rectifier is used instead of an extra rectifier valve. The latter has a short life, the Westinghouse lasts for ever.
5. Excellent range—in most localities, will bring in main N.Z. and Australian stations clearly on the speaker.
6. Volume ample for even large rooms.
7. Tone exceptionally good.
8. Pick-up terminals fitted—can be used as electric gramophone.
9. Locally built to suit New Zealand conditions.
10. Specially durable electrical equipment—experience shows that faults are an absolute minimum.
11. Being locally built, prompt service is always available if required. It seldom is required.
12. Design ensures exceptionally long valve life—eliminating large-scale renewal costs.
13. Low first cost.
14. Low upkeep cost—less than 1/- weekly, TOTAL running expense.
15. Current consumption, 50 to 200 hours for 6d. according to price paid per unit of current.
16. Designed by New Zealand engineers.
17. Built by New Zealand workmen.
18. Fully guaranteed.
19. Sold on easiest of easy terms.
20. Demonstrations gladly arranged anywhere in New Zealand.

JOHNS Ltd.
CHANCERY ST., AUCKLAND.

Johns' reputation stands behind the Ace-3. Write to us if you are interested and we will arrange for you to try the Ace in your own home.

HERE'S THE P.M. FILAMENT....!

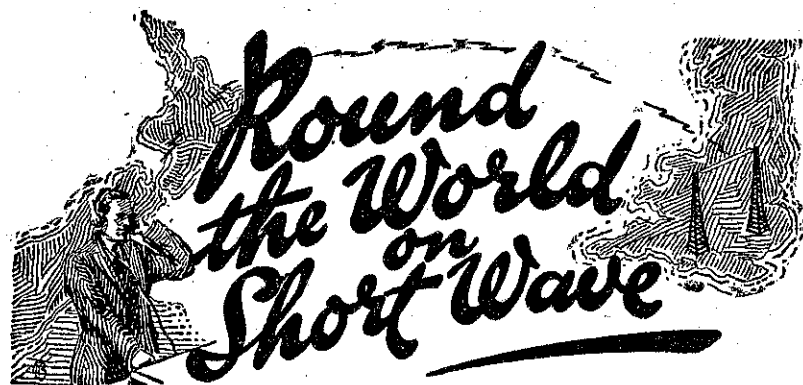
Here's the whole secret of perfect radio. The whole secret of Mullard success. There are filaments that work like it. Filaments with new coatings, but there are over 4 million P.M. Filaments giving satisfaction night after night all over the country.



Mullard

THE MASTER VALVE

Obtainable from all good Radio Dealers in 2, 4 and 6 volt UX and English bases.
Sole New Zealand Selling Agents: SPEDDING, LTD., 2 Anzac Avenue, Auckland; Dominion Bldgs., Wellington; 214 Madras St., Christchurch; 42 Grawford St., Dunedin.
Advt.—The Mullard Wireless Service Co., Ltd., Mullard House, Charing Cross Road, London, W.C.2.



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.

The Recent Silence of RV15.

A SHORT-WAVE listener reports that this Russian announced a few weeks ago that the station was closing down indefinitely because of lack of funds. This trouble has apparently been arranged satisfactorily, as they are as talkative as ever.

FL's New Job.

THE Eiffel Tower has been fitted with a special short-wave transmitter for the purpose of keeping in touch with receivers installed in police stations in other French towns. The wavelengths used will not be disclosed, and the idea is to cover the country with a secret police radio network.

Rome Short-wave Station.

THE Turin correspondent of "World Radio" announces that early in July the new Rome short-wave station began

regular transmissions, and is now relaying the evening programme from the Rome studio.

A New Short-wave Station for Turin.

A NEW short-wave station is under construction at Turin. When ready, it will begin by relaying the Milan-Turin programmes.

Its ultimate object, however, appears to be the transmission of pictures. The wavelength of the station will be in the neighbourhood of 80 metres.

The Vatican Short-wave Station.

Nothing definite appears to be known about the operation of this station. It is stated that test transmissions will be conducted on 50.26 and 19.84 metres.

Stations Heard During Week Ending August 16

3RO Rome, 80 metres: This is one of the best stations now for clarity, although the volume is seldom more than R5-6. Each morning from soon after 7 a.m.

RV15 Siberia, 70 metres: Comes in well each evening. Plenty of talk as usual, but some very good musical items at times.

W9XF Chicago, 49.83 metres: Only heard on Sunday this week. Not so strong as usual.

W9XAA Chicago, 49.34 metres: Was heard at R8 on Friday after 10.30 p.m.

W3XAL New Jersey, 49.18 metres: Saturday and Sunday. R3 at 4 p.m., increasing to R7 by 5 p.m.

W2XE New York, 49.02 metres: Tuned in on Saturday at 4 p.m. when they were R4 with a slight gush. They signed off at 4.30 p.m.

Radio Sarjon, Indio-China, 49 metres: The schedule of this station is not known yet. They are on nearly every night, but sometimes are too late in commencing for me to hear. On Sunday, Friday, and Saturday they were good volume. R8 early reaching R9 later.

KIXR Manila, 48.8 metres: This station has made another change in wavelength, being back to 48.8 metres, where we used to hear them. They were heard each evening except Sunday and Monday. Volume as a rule about R7, but up to R9 on Saturday. Modulation is not the best; this, with static at times, mars reception.

W2XAF Schenectady, 31.4 metres: This one time regular station to be heard, is more or less a stranger now. Was on the air on Tuesday at 10 p.m. with records and calling 2ME Sydney. R8 at first with slight gushiness, becoming more steady and louder by 10.30 p.m.

Zeeseen, Germany, 31.38 metres: This German is not the station it was in the morning. It is heard each evening from about 6 a.m., usually reaching R7-8 by 7.30 a.m. It used to be R9 before the latter time.

PCJ Holland, 31.28 metres: On Friday at 6.30 a.m. they were very gushy at R5, increasing to R7-8 by 7.32 a.m., when they signed off. Saturday the quality was also poor, and only R6 at 7.30 a.m. During the afternoon, reception was not worth while. The best was at 5 p.m., when they were R7-8, but gushy.

2ME Sydney, 28.5 metres: Duplex with GBP.

GBP Sydney, 27.7 metres: Duplex with 2ME. Both these stations are on morning and early evening.

5SW Chelmsford, 25.53 metres. Heard each morning except Sunday and Monday. Not audible now till about 7 a.m., and still very weak when I have to close down.

At long last some definite agreement seems to have been reached at Home in regard to the establishment of a high-power short-wave transmitter working at regular hours for the benefit of listeners in the colonies. Last week it was announced that a piece of land adjoining the existing Daventry stations has been purchased by the British Broadcasting Company for the erection of such a station. There is a possibility that overseas listeners will be asked to contribute 5/- per annum for its maintenance.

The Week's Features

(Continued from page 11.)

The duet "Come to Arcady," the soprano solo, the waltz song "Who Shall Say," and the tenor solo "The English Rose," as well as other solos and concerted numbers.

Mr. and Mrs. Albert Russell, two entertainers who are very popular in entertaining circles in Wellington, will contribute to the lighter side of the programme, their items including solos and duets of a humorous nature.

The Orchestra under Signor A. P. Truda will play the overture "Tan-

credi," a selection from "I Pagliacci," and "A Chinese Honeymoon," and Bizet's "Serenata Espagnole," and a concert valse "Les Sirenes" by Waldteufel. A relay of a sound film feature showing at the Majestic Theatre will be incorporated in the programme.

SATURDAY

Auckland Notes.

Radio Magic

THERE will be very many interesting items on the evening's programme from 1YA. Particularly outstanding is that portion wherein listeners will be entertained for a quarter of an hour with "Radio Magic," to be given by Mister Ree. This type of entertainment is very popular in other countries, and is an innovation as far as 1YA is concerned.

The Celeste Trio, consisting of Miss Winifred Hill, Miss Gwenda Weir, and Mrs. Daisy Basham, will be heard in trios and solos, and the Snappy Three, very popular with their lighter music, will be heard in vocal and instrumental items. Mr. Ivan Perrin is a particularly fine pianist, and a player of novelty solos, and included in his items is a melody of his own composition. The Matl Trio, consisting of three Rarotongans, will present items from their lengthy repertoire. Another new singer to-night will be Mr. Arthur Simpson, who will sing "Devonshire Cream and Cider," "Wondering Why," and "Red Devon by the Sea."

2YA Features.

THE Salon Orchestra, under Mr. M. T. Dixon, will play as an overture a selection from "The Chocolate Sol-

dier," Lampe's selection "A Vision of Salome," Sullivan's "Lost Chord," Ketelby's "Bells Across the Meadow," and several of the latest dance novelties. The assisting vocalists will be Miss Mavis Chamberlain (mezzo-soprano), Mr. William Renshaw (tenor), Miss Betty Hilliard, of Christchurch (popular songs), and Miss Nora Greene (contralto). Mr. T. O'Connor, a comedian who is well known in Wellington as an artist of merit, will contribute "Coming Home" (by Nelson Jackson) and "Dismal Jimmie" (by Winter).

A feature of the evening's programme will be items by the "White Coons' Novelty Trio." This is an unusual combination consisting of a dulcimer, banjo, and mandolin. The members of this combination have had to arrange their music specially for this instrumentation.

Vaudeville from 3YA and 4YA.

AN interesting item on the programme will be the playing of various cavalry calls, which are now entirely unknown to most people. They will be blown by Mr. Fred. Fox, an ex-cavalryman, and a highly qualified cornet player. He belongs to a very musical family, his father and brothers having been bandmen, and he has played for many fine orchestras and brass bands. In addition to the cavalry calls Mr. Fox will play "The British Grenadiers" and "Weber's Last Waltz."

FOR SALE OR EXCHANGE

The rate for small advertisements under this heading is 1/6 cash for 20 words, and twopence for every other word thereafter.

WANTED to Buy, back numbers of the English Radio Journal, "Modern Wireless," December issue, 1928 particularly wanted.—M. O'Lea, Ongarue.

THREE 45-volt Standard Batteries; never been used. Apply "Battery," care "Radio Record."

8 SCREEN-GRID RADIO CHASSIS, £26, Triple S.G. R.F., Power Detection, 245's Push-pull. Write for details. Royds-Howard Co., Christchurch.

NORMAL weight permanently restored by Youth-o-Form. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

EVERY Radio enthusiast should have **JOHNS, LTD.**'s wonderful Radio Catalogue. Everything for Radio. Post free. Johns, Ltd., Chancery Street, Auckland.

YOUTH-O-FORM—Be slim, graceful, reduce with safety. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

9D. 4½-volt Torch Batteries, Round Units 8d., 9-volt C, 3/-, No. 6 1/11 posted. Royds-Howard Co., Christchurch.

HAVE Venus-like figure by taking Youth-o-Form. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

On Shortwave

We do not claim to receive all stations, but we beat all that do! No man has been disappointed in his Add-a-phone, and never will. Works independently of any set, or in conjunction with any modern set (electric or battery).

Radio Service Problems are our work. Come and see us at

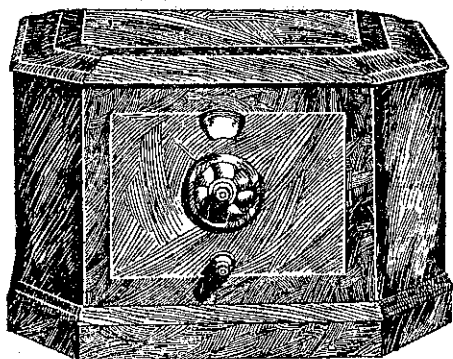
Mack's Radio Service

76 KENT TERRACE

WELLINGTON.

'Phone 20-798.

PERFORMANCE PLUS---



Tone, Design, Value!

The price speaks for itself. Comparison will convince you of the dominating fact that there is no greater value in fine sets offering in the radio world to-day.

6-Valve A.C. complete with Speaker £27/10/- and ready to instal

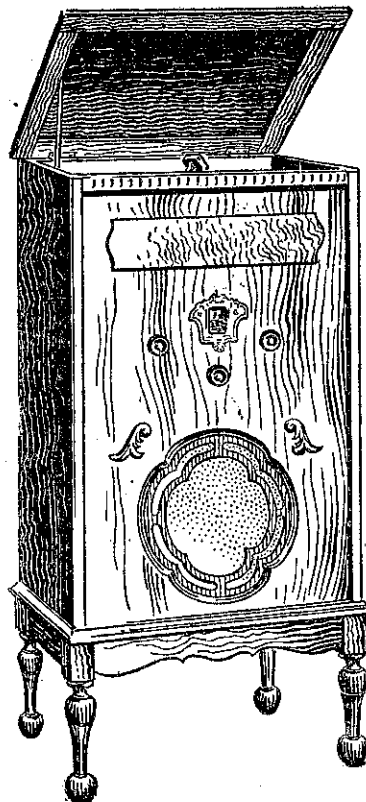
SPLITDORF 6-Valve AC RADIO

DISTRIBUTORS:

BOND & BOND LTD.,
AUCKLAND.

PILOT "IMPERIA" SEVEN

Radio-Phonograph Combination Receiver



This high-class Radio-Phonograph machine employs the very latest in Radio including the new Vaultype condenser, and, additional to being highly selective, has great power on both radio and phonograph.

Seven valves are employed: 3 x P224's, 2 x P245's, 1 x P227, 1 x P280.

The cabinet with auto balanced lid is made of walnut—the pick-up is the renowned Harlie—the Speaker Magnavox Dynamic, and the motor high-quality electric.

CASH PRICE—

£65

Terms: Deposit £10, Balance payable in monthly payments over 18 months.

N.Z. AND AUSTRALIAN DISTRIBUTORS:

Harringtons

N.Z. Ltd.

40/42 WILLIS STREET (P.O. Box 738), WELLINGTON.
142 QUEEN STREET (P.O. Box 1484), AUCKLAND.



THE ELECTRIC HOME JOURNAL

HAVE you ever tried to make out a list of all the electrical units there are in existence? I have to-night, and it has made my head whirl. We are surrounded by electricity, but not overwhelmed by this strong power, so safely are we guarded by our efficient power-boards and Public Works Department and city councils, to say nothing of the inspectors from the N.Z. Fire and Underwriters' Association. Electricity, this faithful, reliable, strong servant of ours, is subservient to our very touch. She cooks for us, washes, sews, scrubs, washes-up, dusts and polishes, and when we are ill heals us with health-giving rays. She is ready at once to light us on our way, to take us from place to place, to transport our voices, deliver our messages, warm us and cool us, guard our food from microbes, and control our shops and factories. Whether we are working or playing, we turn naturally to this our servant, yet our greatest friend, for it seldom fails us in our hour of need, and gives us of her best to save our lives.

Electricity is doing everything it can nowadays to preserve beauty and health. All modern lighting fittings are designed for resting and preserving the eyesight as well as for attractiveness.

A SHORT time ago it was the fashion for housewives to send their maids to evening classes for fancy cookery. But since the introduction of electric stoves things are reversed, as most mistresses delight in doing the cooking themselves; and it is they who attend classes to learn the most economical way of using electrical power. For there is a right and wrong way, and the thrifty housewife will soon learn just when to turn off the switches and cook on storage heat, and what things to put into a cold oven to cook while the oven heats; thus halving her bill.

IS it fashionable to be slender or of magnificent build? Well, just in case being willowy is the rage—let me tell you there is no quicker and easier way of attaining the thin silhouette than to eat a small head of raw cabbage each day. Make the cabbage into salads or into sandwiches with Rex cheese and brown bread, or just eat it with salt. This diet is the very latest "slimming" food in the United States, but a friend of mine tumbled upon it several years ago and passed it on to her friends with excellent results.

JUST a moment, while we are on the subject of fickle fashion. Personally, I love grey hair, but I'm in the minority—however, if you want to prevent hair turning grey use cold tea

once every week as a dye. It is harmless and most effective. Do men read these pages?

THERE is a proposal afoot in the University of Chicago to institute a degree of Bachelor of Arts in Dishwashing, Cooking and Sweeping, the reason being that educated girls refuse to enter domestic service, which they consider undignified. Perhaps in the not-too-distant future our Wellington housewives, instead of asking for references, will simply demand succinctly, "B.A. or M.A.?" and engage accordingly.

PEOPLE are having their ears pierced again, now that long, heavy earrings are returning to fashion. Formerly, this slight operation was performed by a doctor, and occasionally by a jeweller; but now there is a lady "puncturiste" in London, who devotes her whole time to the job, and does it scientifically. On one occasion she was surprised to receive a visit from a male client, until she discovered that he was going on Secret Service work to the East, disguised as a native, and pierced ears were an important part of his make-up.

THE following lesson in hygiene is quoted from an English paper:
Scene: A music-hall. The occupant of the next seat had sneezed when making his way into his seat after the interval. A few minutes later a note was passed along. It was on a slip of paper with the printed name of a London hospital, and read as follows: "Your education in hygiene has been sadly neglected. If you will call upon the undersigned at the above address he will be pleased to remedy this, free of charge." It was only lack of a pencil that prevented me from passing along a much more pungent note at a Wellington theatre the other evening—and for a similar offence.

AMY JOHNSON'S successful flight from England to Australia seems to have created an atmosphere of nearness between the two countries. At all events, one Australian lady is known to have sent invitations to her London friends for her daughter's wedding in Sydney a month hence. We presume that the few extra days are to allow for emergency stops—forced landings, and any other little contingencies which might arise.

APROPOS of a request made to the football authorities by the City Council for payment of the traffic inspectors employed during the recent Test match, I have just received from a friend an account of the expenses of

his wedding, at a fashionable London church. Included in the usual items—such as carpets, floral decorations, choir-boys and organist—was a bill for the service of police. In order to ensure the comfortable arrival and departure of his guests he had to request Scotland Yard to send a certain number of police to keep the crowds back; and each policeman had to be paid for at so much a head, inspectors costing double.

AT this time of the year, when oranges are comparatively cheap and plentiful, it is a good idea to vary the daily menu with dishes made from that wholesome fruit. Here is a recipe for orange jelly:—

Ingredients.—1 pint of water, $\frac{1}{2}$ oz. granulated gelatine, 6 oranges, $\frac{1}{2}$ lemon,

Electricity

ELECTRICITY can do

*Lots of useful things for you;
Light your room and warm your bed,
Cook the food on which you're fed;
Wash and dry the clothes you wear,
Put a nice wave in your hair!
Milk the cows and saw the wood;
Lots it does for public good;
Life was surely drab and gray
Ere Electric Power held sway!*

—J.M.

4 oz. sugar. Method.—Peel off thinly the rind of two oranges and the half lemon. Soak it in the water with the gelatine. Then add the sugar and stir over the fire till the gelatine is dissolved. Add the juice of the oranges and lemon, and bring to the boil. Strain it and pour into an oiled or wetted mould. This dish is delicious with meringues and cream.

WHAT would you do if your daughter was "dying to go on the films"? Discourage her," says Elinor Glyn, "by every means in your power." According to Mrs. Glyn the necessary qualities for a successful film career are too seldom met with among girls of to-day, or are too difficult of attainment for the average. Good features and personality should be the chief attributes of a would-be film actress, and to these must be added a perfect speaking voice. Only after unremitting toil for at least two years in the culture of her mind and body can a girl hope to get a chance in British films; but if she is really determined, no amount of parental discouragement will keep her back. But it's a hard life.

THE latest letters from London have been full of the Henley Regatta, and the opening of the river season. For once the weather was kind, and the result was a record crowd, and a cosmopolitan one at that. The best oarsmen from all over the world were assembled to do battle for the various trophies. The gorgeous colours of the women's frocks and parasols as they sat in launches and punts turned the river into a beautiful flower garden. Flowing chiffon and georgette draperies of ankle length and huge hats were the order of the day, but it is a significant fact that nearly all the American women were wearing sensible short white or coloured frocks. A vivid note was struck by a punt full of girls wearing pyjama trousers of "jazz" hues, with enormous straw hats. Altogether this appears to have been the most picturesque regatta for many years.

IF you ever get a piece of steel in your eye, try using a magnet. You laugh! It's not a joke.

"NEVER let life knock you down. Meet it fair and square, and if it hits you hard give to it like a tense spring—and spring back."—Wilfred Ewart (in "Way of Revelation").

ELECTRICITY in the farmyard will soon be a commonplace of everyday life. Already many of the larger farms have their own plant which supplies power for lighting and heating the house, and at the same time enables the farmer to use it for milking machines, thus saving labour. New possibilities in the poultry-yard are foreshadowed in the following episode:—A film company at the Elicstic Studios in England wanted a hen as local atmosphere in a farmyard setting. They borrowed a Buff Orpington, which had refused to lay an egg for over two years. Directly the hen took up its residence in the studio it began to lay a daily egg, and this is attributed to the violet ray values of the studio lights.

THOSE who have old pewter articles as part of their decorative scheme in a room are sometimes puzzled to know whether to polish them or let them remain dull. Since the main object of such articles is obviously to embellish a room, the metal should not be allowed to lose its decorative lustre. Only museum examples or fragile pieces should be left with the dirt of antiquity on them. To clean pewter first soak for several hours in strong soda water, then clean with sandsoap. Polish with brasso and "elbow-grease."

Prize Poem Competition

London Calling!

Test Cricket Broadcasts

NOT a few listeners have been mystified to find in an unknown station broadcasting what is apparently an eye-witness description of the Test cricket matches between Australia and England. One optimistic correspondent in an excited letter claimed that he had received London direct! However, judging by the realistic commentary, broadcast as though from the famous Oval, there is some justification for such a claim.

The descriptions heard by New Zealand listeners are really broadcast by 2UW, Sydney, and are made possible by an ingenious system of communications. The following article from "Wireless Weekly," an Australian contemporary, explains in detail how these broadcasts are accomplished.

"We have engaged Captain Ballantyne, a famous English cricket-writer, to describe the matches from the field. At the end of every over, he puts an exact description of each ball through the cable. These messages are in the usual cable or beam-message form, and give the name of the bowler, the batsman taking strike, the disposition of the field, if it changes, the kind of delivery, if it is different, the stroke, and where the ball went, the runs, and anything else worth remark. All this, of course, may be conveyed in very few words.

"The messages arrive in Sydney, either at the A.W.A. offices or at the Cable office, at each of which we have a man stationed at a telephone. He 'phones the decoded messages to the outside table, and there the nucleus of the story is arranged and discussed. Finally it is brought in to Mr. Brown, the commentator, who puts it over just as though he were at the cricket ground. This is the most difficult part of the whole broadcast, and it is due to Mr. Brown's knowledge of cricket and cricketers, and also to his ability to dramatise the simple facts, that we have succeeded so well.

"One would scarcely credit what a great number of people think that these descriptions come from England. We have made no attempt to deceive them—in fact, some of our regular announcements betray our methods unmistakably; nevertheless, listeners seem to WISH to believe that the matches are described from England, and so long as they are satisfied . . . Really, it would be quite easy for us to put over the scores just as they come in; but this would break the cumulative effect of a ball-to-ball description, and would destroy interest in the game. As it is, thousands of listeners stay up with us till four in the morning, many have arranged listening parties for their friends, and dance to our music. We have received thousands of letters, congratulating us on the success of our arrangements."

TWO American "Gold Star" visitors to France (mothers of American soldiers who lost their lives in the Great War) became seriously ill during their pilgrimage. To save the lives of these ladies it was necessary that they should receive blood transfusions. Two French soldiers immediately offered themselves and the patients recovered.

THE prize of half a guinea this week is awarded to A.N.I.C. for her poem entitled "Wait for Me," which sets forth in artistic fashion the keen visualisation and love of this young poet for the glad days that are coming, when "blossom by blossom the spring begins." Next in order of merit are "Eldon's" austere beautiful lines of the loveliness of an Auckland seascape, conveying a clearly-etched word-picture envisaging deep shadows splashed with glowing colour, somehow reminiscent of a vivid Brangwyn sketch.

J.Y.: We like your ode to the Wild Wind, so pertinent to climatic conditions of the Capital City, and are holding it over till next week in the hope that room may be found for it.

"Lucibel Lee" sends topical but halting lines about wireless. We prefer her whimsies of flowerets, bird songs, and little dancing zephyrs.

Viva: A pretty idyl of Strophon and Chloe, which lags in the last lines.

"Wild Rose's" contributions have the freshness and ingenuous charm of youth, with something of its immaturity. Perhaps the better of the two poems submitted is "Spring or Summer," but they're both attractive. Well done, Wild Rose!

S.E.F.-J.: Subject-matter apropos, but too tautological.

Jacobite: The sonnet form is hardly the vehicle for an ethical argument, and anyhow you propound a fallacy.

"Never-Never": Meanderings in a meadow, insipid to a degree.

"Britomart": Sentiment of a past decade. Why not call a spade a spade?

E.M.F.: We commend the brevity of your pessimistic poem.

... Wait for Me ...

DON'T go so quickly . . . for the wind is calling
As he ruffles through the newness of the grass,
And the wattle with her fluffy yellow bubbles
Waits to shower them on my hair as I pass.
Wait for me . . . I'm coming . . . though the birch trees
With their new pale leaves bid me stay,
And the frail pink blossom buds are quivering
So softly that I daren't steal away.
The primroses, a golden carpet weaving,
Are raising starry faces to the sky
While quiet-eyed the daffodils are blowing,
And lazily the thistledown drifts by.
Don't hurry . . . for the dragonflies are tilting,
The blackbird shouts his song beneath the trees,
The violets are breathing magic fragrance
Mid the grave beauty of anemones.
Wait for me . . . I'm coming . . . though the willows
To me wave proudly from the river's brink,
And gnats are dancing gaily in the shallows
Where brown-eyed cows come slowly down to drink.
The poplars on the sandy hill are silver,
The shadows there are velvety and black,
But wait for me . . . wait . . . for I am coming!
It is Spring who is holding me back!

—A.N.I.C.

Chocolate Cream Caramel

"CONSTANCE" forwards this recipe, which was invited several issues back:—1 tin condensed milk, $\frac{1}{2}$ lb. sugar, $\frac{1}{2}$ lb. butter, 1 teaspoon essence vanilla, 1 dessertspoon cocoa. Melt the butter and add the cocoa, sugar, milk and flavouring. Boil for 15 minutes, stirring all the time. Pour on to a greased tin, and cut in squares when cold.

sponsored by the League of Arts. Various dancing-class students perform in the arena in the sunshine, and hundreds of spectators view the display from beneath the shady elms, on the grassy, semi-circular slope. At one of the recent performances dances of various na-

—ALISON.

equal in any country. There are special reflectors used which produce diffused illumination, making the course proper absolutely shadowless. More than 120 miles of electric wiring has been used on this wonderful installation.

WASHING nowadays has lost its terrors in an up-to-date home. Only a few days ago I saw a lady acquaintance, dressed ready to attend a charity meeting, doing her washing with an electric washer. All she had to do was to put the clothes into the washer, and in a very brief time they were beautifully white. The lady wore her pink crepe de chine without getting a drop of water on it.

ONE of the most delightful events in London is the weekly dancing in the natural amphitheatre in Hyde Park,

HUNTING through some tattered recipes in my grandmother's desk the other day, I came upon an old-fashioned remedy for broken chilblains. It was nothing more or less than grated raw turnips, applied as hot poultices over the sore parts. Apparently it was quite effective, too, being underlined twice in faded violet ink.

WHEN enamel bowls are used for home dyeing, the stains left on them are often difficult to remove. Try rubbing the bowl with a mixture of cooking salt and paraffin, then wash in warm soapy water and rinse with cold. The stains will be found to have completely disappeared.

THERE is a craze at present among young mothers in England for giving their children poise, by having them taught ballroom dancing from their tenderest years. Many tots who can scarcely prattle a sentence, have mastered the rhythm of clapping to music, and prance about on their feet with absolute unself-consciousness. The shy child will soon be as great an anachronism as the retiring bachelor.

AMERICANS are much addicted to statistics, even on such romantic subjects as trousseaux. Economy in the purchase of a trousseau is one of the foundation stones of a happy marriage. This is the principle laid down by the New York Federation of Women's Clubs (says a British United Press message). The budget is graduated according to the salary of the prospective husband, the relation between salary and trousseau expenditure being: For the 50 dollars (£10) a week husband; 200 dollars (£40) for trousseau. For the 100 dollars (£20) a week husband; 500 dollars (£100) for trousseau.

IF a door is jamming at the top and you want to discover the exact spot in order to plane it, place a sheet of notepaper on the top of the door and close it. At one point the paper will be caught, and this will give the required indication.

THE latest whim for the entertainment of England's idle rich (by which I do not mean the recipients of the dole) is to be a "floating casino." In plain words this means a liner which will be chartered, fitted up as a palatial hotel, replete with restaurant, ball-room, swimming bath and gambling rooms, and anchored somewhere off the coast. Motor-boats will be used to convey visitors to and fro, and if any are unfortunate enough to miss the last boat to shore they can stay the night on-board in sumptuous cabins. What about the magnificent liners lying unused in our own harbour off Ngahauranga? Here is an idea—free of charge—for some of our enterprising organisers.—(Henley Cable T. and J.).

AMONG a very large percentage of the population of New Zealand, "horse-racing" has played a very important part in the enjoyment of life this week. Are we to let Australia always lead, or is the time soon coming when our electrical engineers turn night into day, and illuminate our racecourses? We need not then fear the approach of evening during the winter months when we attend the race meetings. On the racecourse at East Perth where night horse racing is conducted, everything is so wonderfully equipped that it is probably without

GRETA GARBO, the talented actress at present appearing in the screen version of "Anna Christie," is Swedish born. She was first "discovered" at the Royal Dramatic School in Stockholm, and soon afterwards was invited to Hollywood by the Metro-Goldwyn-Mayer combination. In her first talking picture, "Anna Christie," Greta Garbo has scored a real triumph. It is a triumph of personality, for she has no expensive clothes or exotic scenes to help her out, and the character she portrays is absolutely different from those which have made her a popular favourite of the past. The world was watching, ready to criticise, but the only fault it could find in those deep, slightly husky tones was the faint touch of Americanism, which no amount of elocution can entirely eliminate. In passing it may be added that although Miss Garbo lives in Hollywood, she keeps aloof from the notorious extravagances of that much-discussed city.—"Fan."

"I THINK you will be interested in the following little experiment," writes a correspondent to the "Radio Times" (the organ of the British Broadcasting Co.). "I wondered if I could arrange a nightingale duet, the two songsters being many miles apart. Accordingly, when the B.B.C. nightingale struck up the other night, I waited until the last strain of the dance band had faded out completely, and I then quietly opened the window and got the loudspeaker on the sill. Up till then a profound stillness had enfolded the countryside. The B.B.C. nightingale had not sung many notes before our nightingale joined in. He usually sings in a tree a short distance from the house, and sings his duets with other birds further away in the woods. Last night, however, he came right into the orchard, and at times it was impossible to decide which bird was which. Our little singer thoroughly enjoyed himself, and was carolling away joyously long after I had switched off and retired to bed."—"Music."

DURING the recent wet weather any and every sort of umbrella has been pressed into service. One day last week a girl in a tramcar was heard bemoaning the fact that her best umbrella had blown inside out the day before, and she was reduced to using a light-coloured one which was anything but weatherproof. Immediately one of those kindly souls who seem to have a remedy for everything, and don't mind letting the world know it, gave tongue, "Try squeezing a small quantity of liquid court-plaster over the worn parts from the inside of the umbrella," she announced. "It won't show on a light-

ARE YOU A SMOKER?

Thousands of smokers are to-day only half alive and don't know it! They find it hard to concentrate and easily fall a prey to disease that robs them of their vital powers—all as a result of the deadly effects of Nicotine Poisoning. Why continue to neglect your nerves and wreck your health, your greatest asset? Write to-day for wonderful FREE Book on the dangers of Tobacco. It will astonish you.

HOME WELFARE PTY.,
36.R. Hunter Street, Wellington.



coloured cover, and will make it quite waterproof." We all made a mental note of this interesting bit of information, and I pass it on for what it is worth.—"Handy."

DOES the modern girl enjoy too much freedom? There is a bitter controversy raging on this subject in many English journals, but on the whole people seem to answer the question in the negative. I quote a few opinions:—

"Too much freedom is better than not enough, for, with the perversity of human nature, the gift that falls readily into their hands is never used to the

too much freedom. To achieve individuality, freedom is a necessity, and there is nothing the world is more in danger of than standardisation."—B.C.

THE recent cold weather recalls that a friend who had spent some time in Western Canada told me what a good time was enjoyed by the Canadian farmers, and the manner in which they keep their dwellings warm in winter. Everyone works very hard for about seven months in the year; then when the "freeze-up" comes—which lasts from four to five months—no more outside work being possible, and all

... The Amazing Movies ...

(Written in a frenzy after reading a number of cinema advertisements.)

'FAIN would I to the movies hie me,
Come, let's look what a bob will buy me.
What shall it be now? Let me see, now—
"Love in the Desert," "The Poisoned Kiss,"
"Whirled in the Vortex"—Ah! What's this?
"A Heart-throbbing, red-blooded super-attraction,
A throat-gripping, soul-tearing drama of action,
Enthralling, appalling, a whirlwind of fashion,
Powerfully pulsing with Primitive Passion,
Scenes simply seething with Molten Emotion,
Tragedy, Love and Heroic Devotion,
Triumphant, tremendous, terrific and thrilling,
Seats (including the tax) two and two and a shilling.
Gosh! That's a stunner, but not very restful;
Now, here's "Fanny's Folly," that sounds rather zestful.
"A laughable, lovable, side-splitting happy-thing,
A frolicsome, rollicsome, farcical snappy-thing;
A corking concomitant, gorgeously gigglesome,
Fizzing with funniness, screamingly ticklesome,
Ten chuckles a foot and a laugh to a line,
Hits on your funnybone hard every time,
Three rollicsome reels!"—Oh, quite enough said,
I'm feeling exhausted, I'm going to bed.

—"Brer Rabbit."

full." On the other hand we hear: "The modern girl in her teens has the makings of a very fine woman, and we are hardly fair to her in allowing her quite so much freedom from home restraints, before she is old enough to have a true sense of values." Let us end on a philosophic note: "I do not think that the modern girl is allowed motor-cars locked away, they amuse themselves with skis and sleighs on the frozen snow. The horses are kept in stables during the winter, and when the thaw comes those stables are cleaned out, the refuse put into huge heaps, and, when dry, burnt. Later on, just before the "freeze-up" comes again, the ashes are piled thick and high around

the lower part of the house, which is built of wood, to about two feet from the ground. This freezes into a firm, thick wall, excluding wind and cold, and keeps the house snug and warm in winter.—Nada.

A NURSE tells a good hospital radio story. A Scottish patient in desperate plight, asked, as a kind of dying wish, to hear the bagpipes over the air, once more before he departed this life. The position was explained to the broadcast station by the nurse, at the suggestion of the medical director. The station director, kindly soul, put on a bagpipe gramophone record specially for the dying Scotsman. Next morning the doctor asked whether Sandy has passed away peacefully, his wish having been granted. "No," said the nurse, "Sandy has not died. He is recovering, but most of the other patients are worse, and seven died during the night!"—Iconoclast."

THERE is a world of truth in the following comment by a Melbourne writer: "Because you do not naturally possess one of the slender figures that grace the front page of fashion journals, it is not necessary to confine your diet to raw cabbage, carrot, wholemeal cakes, and water. In fact, nowadays one need exercise very little self-denial to attain the slim, youthful figure. Salads may be served in a dozen ways, disguised so you would never recognise them. All you need to do is to spend a little time and thought as to the arrangement of the meal. The main reason why so many people fail to maintain their resolution to refrain from eating fattening foods, is not so much that the forbidden foods are tempting, as that the diet they would set themselves is most unattractive."—"Rational."

A PARTICULARLY interesting personality now visiting New Zealand is Mrs. Russell Jackson, wife of Captain Jackson, of the steamer City of Khartoum. Mrs. Jackson is famous as a sculptor in Europe, America and Australia, and has sculptured such celebrities as the late Emperor of Japan, the King of Siam, President Hoover, Mr. Lloyd George, Ghandi, and "Bobby" Hughes. She is soon to hold exhibitions of her work in Melbourne, London, and New York.

Adventure has loomed largely in her life, and during the war she was imprisoned in Russia by the Bolsheviks. Other adventures include a voyage as a stowaway on a Japanese tramp steamer and a trek across Portuguese West Africa. She is now voyaging round the world with her husband on his steamer. Altogether a most interesting and accomplished person.—"Rolling Stone."

THEY have been having a torrid summer in Vienna, and the municipality installed a huge battery of electric lights in the public baths, on the lawn and dressing halls for night bathing up till 10 o'clock. Crowds of city girls from shops, stuffy workshops and offices, who cannot have a dip in the daytime, flock nightly to the baths.

HOUSEWIVES in Northern Ulster, Ireland, were a few weeks ago able to purchase potatoes at 7 pence a bushel and butter at 12 pence halfpenny a pound. This was all very well for the public, but what about the farmers!

FAMA For Bathrooms, Lavatories,
Sink-tops, etc.
FAMA STONEWOOD FLOORING CO., Wellington.

Ham Toast

Ingredients: ½ lb. cooked ham, 1 raw egg, 1 hard-boiled egg, rounds of toast; pepper and salt.

Method: Mince the ham and pound it with the yolk of the hard-boiled egg and seasoning. Add the beaten raw egg, and stir over the fire till hot. Spread on the buttered toast and then sprinkle with white of egg rubbed through a sieve. Place in the oven to heat for a few minutes, and serve.

Savoury Omelette

Ingredients: Yolks of 3 eggs, a small piece of chopped onion, a tablespoon of chopped parsley, a teaspoon of savory herbs, pepper and salt, and the whipped whites of the eggs.

Method: Pour into a hot, well-buttered frying-pan, and cook slowly about 10 minutes. Turn on a hot plate. Chopped ham or bacon may be used instead of the herbs.

A Nice Breakfast Dish

Method: Butter a flat dish and place slices of tomato on it; break carefully some fresh eggs between the slices of tomato, season with salt and pepper; bake in a hot oven for about 15 minutes. Send to table in dish in which it is cooked. If properly and carefully done this is a very pretty dish.

Beef Steak and Kidney Pie

Ingredients: 2lb. of beef, cut into small pieces, 2 tablespoons of flour, ½ teaspoon mustard, ½ teaspoon of ground ginger, one grated onion, salt and pepper, one or two kidneys, minced.

Method: Mix all together, and put into a pie dish, cover with boiling water and put a piece of buttered paper. Bake in a slow oven for three hours. Remove paper, put on a crust of pastry, return pie to the oven and bake for ½ hour longer.

COUNSEL for the COOK

By "ELECTRA"

Cheese Busters

Ingredients: 1 cup of boiling water, quarter cup of butter, half a pound of flour, half a cup of grated cheese, two eggs, half a teaspoon of salt, a little cayenne.

Method: Bring the water and butter to boiling point, add flour, salt, and cayenne, stirring constantly, and cook until the mixture leaves the sides of the saucepan. Add cheese and mix well. Cool, add eggs, one at a time, beating well after each egg is added. Drop by teaspoonful on a greased pan. Cook in a moderate oven (350 deg.) thirty to forty minutes.

Cheese Pudding

Ingredients: 1 cup of grated cheese, one cup bread-crumbs, one cup milk, one egg. Season with salt, pepper and cayenne.

Method: Mix all together and let it stand two or three hours. Beat the egg well and add it just before putting in the oven. Bake in rather a quick oven half an hour.

Vienna Pudding

Ingredients: 6 oz. of stale bread (cut into dice), 3oz. sultanas, 2oz. chopped peel, 4oz. sugar, ½ pint of milk, 2 eggs, ½ tea cup cream, ½ tea cup of sherry. Carmel made of 1oz. sugar and 1 teaspoon of water.

Method: Put the sugar and water into an iron saucepan over the fire and let it colour a dark brown. Take

off the fire and pour in the milk, and leave it till it is coffee coloured. Mix bread, sultanas, peel and sugar together. Beat the egg and mix with the milk; add cream and sherry, and pour over the dry ingredients. Leave mixture to soak for ½ an hour, then put into a well greased mould and steam for 1 hour. Serve with wine or brandy sauce.

Chutney

Ingredients: 2lb. of apples, pared, cored and chopped, 1lb. of raisins, 1lb. of onions, 1lb. of brown sugar, 1lb. of chopped candied peel, 2oz. of salt, 2oz. ground ginger, ½ teaspoon of cayenne, 1 teaspoon ground cloves, 1 quart of vinegar.

Method: Mix well and boil for 2 hours, thin out with more vinegar if too thick. Bottle and cork for use.

French Pancakes

Ingredients: 2 eggs, 2oz. butter, 2oz. fine sugar, 2oz. fine flour, 1 cup milk.

Method: Beat butter and sugar to a cream, beat in the egg, then milk and flour. Stir well, and let it stand for an hour. Place on buttered plates and bake in a quick oven for 20 minutes. Pile high on a dish; sprinkle with sugar, and serve with cut lemon.

Date and Walnut Cake

Ingredients: ½ lb. stoned dates, baked over night in a good ½ cup of water and ½ teaspoon of soda; 2 eggs, 3oz. margarine, 6oz. soft sugar, 6oz. flour, 1 teaspoon cream-of-tartar, ½ cup walnuts.

Method: Beat the margarine and sugar to a cream; add eggs, one at a time. Beat the mixture well; add flour and other ingredients lightly; put into papered tin. Bake in moderate oven. Time, about 40 minutes.

Chocolate Eclairs

Ingredients: ½ cup boiling water, 2oz. butter, 3oz. flour, 2 eggs.

Method: Put water and butter into

the pan. When quite boiling take off fire, and add flour; stir until quite smooth and free from lumps. Return to fire, and cook for a few seconds until mixture will form into a ball. Take off, let cool slightly, add eggs one at a time; give the mixture a good beating. When cold put mixture on to a cold greased tray in finger lengths. Bake in quick oven till brown and well puffed up. Time, about 20 to 30 minutes. When cool, ice top with chocolate water icing. When quite cold fill with whipped cream.

Hints on Cooking

IF JAM is slightly warmed before being spread on a jam roll the latter will not be sodden.

When mixing mustard always add a pinch of salt.

To give your fruit cake a richer appearance, place the flour in a cool oven to slightly bake and brown before mixing in with the other ingredients.

Suet kept in the flour-bin will retain its freshness and sweetness for a long time.

Wash the rind of sweet oranges, then put in a paper bag and set on the rack until quite hard. Mince with finest mincer and store in an air-tight bottle and use like spice in fruit or apple squares.

The water in which rice has been boiled is splendid for mixing cakes. It helps to keep them moist.

To make the steak that is being stewed tender, add a teaspoon of brown sugar. It will also impart a new flavour.

Parsely sauce is greatly improved by adding vinegar (1 tablespoon to 1 pint of sauce) just before serving.

Cheap Train Fares

for SCHOOL HOLIDAYS

From 21st to 30th August railway fares will be reduced approximately 6/- in the £. Tickets (obtainable any time in advance) are available for return until 27th September.

Only three whole tickets needed for father and mother and ALL their children under sixteen years of age.

Book Holiday Trips Now!



O Sole Mio

—is a wonderful song when the dishes have been cleared away and you are sitting by a cosy fireside—but it isn't much of a help to the housewife preparing scones and cakes for the evening meal.

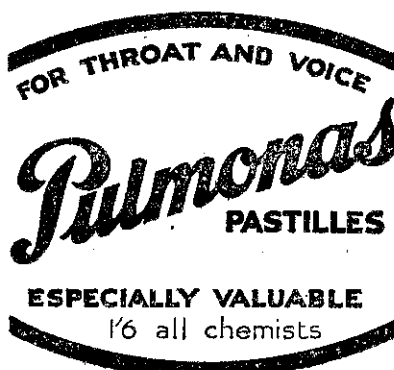
ANCHOR SKIM MILK POWDER

Now—there is something useful. Makes scones and cakes much lighter, gives them richer flavour, increases food value. Keeps them fresh for days longer.

From Your Grocer.

Price 1/2 Per Tin

The "Anchor" Folder contains a number of excellent tested recipes. Write for Free Copy to-day to "Anchor," Box 314, Auckland.



ESPECIALLY VALUABLE
1/6 all chemists

SPECIAL stamps are now on sale throughout Denmark in support of a fund to provide wireless sets for the sick and aged.

THE charge for one hour of broadcasting time on stations covering the whole of the United States is approximately £2000.

IT is reported that the cancellation stamps in use at a number of German post offices now bear the exhortation, "Werdet Rundfunkteilnehmer!" i.e., "Become a broadcast participator!"

ENGLAND'S new trans-Atlantic liner, the "Britannic," is fitted with a Marconi valve installation and direction-finder. A new development in marine radio is the two-valve receiver which covers the entire commercial waveband from 15 to 20,000 metres. Hitherto two receivers have always been fitted.

NO less than 60 per cent. of the American National Broadcasting Company's transmitting time is occupied



by "sponsored" programmes. The remaining 40 per cent. is retained in order that the company may balance the entertainment side with news, educational talks, religious services, and other items which do not lend themselves to trade publicity.

THE municipality of Bockelum, a small town in Germany, has set an excellent example to the rest of the world by introducing special measures to prevent electrical interference with wireless reception. In a decree just issued, the use of all high-tension ap-

paratus is forbidden unless it bears the Government stamp signifying that no undesirable radiations are produced.

THE uncomfortable conviction that only 25 per cent. of the broadcast listeners in Italy are duly licensed has led the Italian broadcasting authorities to plan a wholesale "comb out" by means of a radio census. All householders and tenants will be required to send in returns stating whether a set is in use and giving particulars of make and type.

DURING the recent terrible fire at the Ohio State Prison hurried arrangements were made to enable a negro convict to broadcast an account of an eye-witness. From a news value point of view only, the broadcasting authorities are to be commended, but their coldbloodedness in countenancing such a broadcast cannot be too strongly condemned.

A NOVEL broadcast was attempted recently in Germany when a rifle meeting was relayed. The microphones were placed near the target so that listeners first of all heard the whining of the bullet, then its impact, and last of all the explosion which ejected it. In addition, listeners were "shot." This was accomplished by sacrificing an old microphone, which at the end of the transmission was made the target.

ALTHOUGH television is as yet in the experimental stage, the Baird Television Company, in co-operation with the B.B.C. on July 14, produced the first television drama. This was broadcast from Brookman's Park and listeners were able to see as well as hear the radio version of "The Man With a Flower in His Mouth." This was by far the most interesting television experiment attempted to date. Just how the play succeeded we shall not hear until the next English mail.

CONFLICT seems inevitable in connection with the Paris Annual Radio Exhibition. Last year two rival shows were held, one by the official manufacturers' association, and the other by independent firms. The arrangement was mutually destructive, however, and this year arrangements were made for an all-embracing international show, under one roof. It was reported recently, however, that warfare has been renewed, this time on the question of the alleged excessive stand rentals demanded. It appears possible that the Parisians may again enjoy two shows.

THE much-discussed French broadcasting Bill which provides for long overdue improvements in France's inefficient broadcast services has again been temporarily shelved. As a result, a resolution condemning the dilatory methods of the French Government in this matter has been passed by the French Radio Manufacturers' Association. The assembly considered that "the present Government has hitherto shown itself incapable of establishing the necessary wireless statute; it is thus allowing an industry to perish and is sacrificing for the benefit of the foreigner the most efficient instrument for the diffusion of French thought and art." The projected Bill seeks to terminate the existing chaos in the French ether by regularising the ownership of stations and introducing a measure of State control.

RADIO DIRECTORY

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MAJESTIC RADIO RECEIVERS	Kirkcaldie & Stains, Wellington Agents, Lambton Quay.
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