

PUBLISHED WEEKLY

THE RADIO RECORD

AND

ELECTRIC HOME JOURNAL

Vol. IV., No. 28.

WELLINGTON, FRIDAY, JANUARY 23, 1931.

Price, 3d.

Circuit—

Latest development in Radiola Screen-Grid Circuit.

Tuning Dial—

Illuminated and magnified dial makes for ease in tuning in the station desired. Horizontal position of dial permits use of large, clear markings—frequency range 550 to 1500 kilocycles.

Volume Control—

The new "Compound" Type, consisting of two controls operated by the one knob. One operates to regulate the input and the other to regulate the voltage on the screen grids of the amplifier valves. By this method the regulation of volume, from maximum to minimum intensity, is accomplished without impairment of tone.

Dynamic Speaker—

Of further improved design, assuring excellent response to full musical range, and fine tone quality. Field excitation by UX-280 which also provides voltages for valves in Model 48.

Cabinet—

Of walnut veneer; early English showing Jacobean influence; 34½in. high; 20½in. wide; 17½in. deep. Interior of cabinet designed to provide excellent acoustical properties, usually achieved only in large areas.

Radiotrons—

Four Screen-Grid Type UX-224; two UX-245 and one UX-280.

Wonderful Value

£52/10/-

You get
all these features
in the marvellous, new
Screen-grid
RADIOLA 48

You must hear it! Ask your Radiola dealer

Amalgamated
WIRELESS
(Asia) Ltd.

P.O. BOX 830, WELLINGTON.



REPRODUCTION of Radio or of Records as vivid as you can imagine; but no loss of harmonics and a bass response that is undistorted. No hum or background noise. A new quality of reproduction due to the latest Philips Dynamic Speaker, linear power detection and from Philips single lift audio amplification. A new vividness that is thrilling.

PHILIPS
radioplayers

GUARANTEED FOR 12 MONTHS

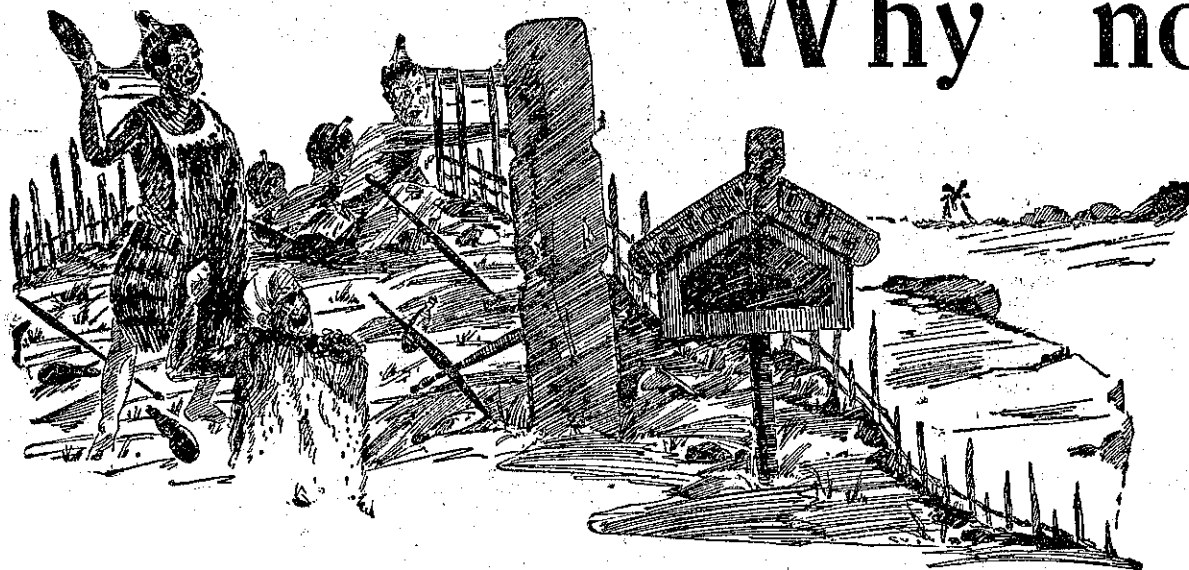
SEE THE NAME 'PHILIPS' ON EVERY SET

2610 RADIO
 CONSOLE
 (MAINS OPERATED)

2810 COMBINATION
 CONSOLE
 (MAINS OPERATED)

W31R

Advertisement of Philips Lamps (N.Z.) Ltd. (Radio Division) Hope Gibbons Building, Courtenay Place, Wellington
 Auckland Office: Paykel's Building, Anzac Avenue, Auckland



Why not write Our Own Drama?

"NO. I disagree," contended Mr. Montague when we expressed the opinion that radio broadcasting was killing amateur drama.

"On the contrary, it is bringing to light a great amount of talent, both in authorship and in acting. It is tending to develop the New Zealand spirit—to make New Zealanders more self-reliant, and to encourage them to do things that were previously left to the outsider.

"In these days of seemingly exorbitant royalties we have to do these things ourselves or go without."

And so the whole subject of plays and royalties was opened.

"There are literally dozens of plays that could be put on the air, but the high price that has to be paid for them makes their presentation utterly impossible. Splendid one, two and three-act plays they are, too. In England and America, where conditions are somewhat different, the public have grown to appreciate these excellent plays, and they look forward to their presentation. In our country there is no doubt that the listening public appreciate the radio play, but there are factors that greatly restrict the number broadcast."

"But isn't it a fact that a large number of these plays are produced by amateur societies? How then, are they not affected by the royalties," we asked.

"Yes, sometimes there are as many as four and five plays produced in Auckland at the same time. These plays are either free from royalties, like some of those put over the air, or their producers evade the payment by changing the name or trusting to their good luck. There is no doubt that a great deal of this dodging goes on. Over the air, of course, there is no opportunity for doing this, even if the inclination were there. We can get over the difficulty by using certain American material, but it is not altogether suitable, and often has to be arranged and altered."

"Then there is a definite opening for New Zealand talent?"

"Exactly. We have had a little, though not enough. There is enough talent in

this country, but it is dormant or is attracted overseas. We are willing to produce over the air anything that reaches a sufficiently high standard. Not a little matter reaches us but it cannot be used because the authors forget that the play has to be broadcast. They hide their characters behind curtains, make them change their costumes, have them unfold the plot through facial or body expressions, and sometimes hinge the climax on one of the characters, removing some characteristic such as a beard.

"WRITING a play for the air is a much different affair from writing one for the stage, but one can often be adapted for the other. Down south there is a society which produces nothing but New Zealand plays, and a high standard has been reached. I should like to get some of these, as they could probably be adapted for broadcasting purposes."

"You say that people go wrong in not writing a radio play. What would you consider the main elements of such a play?" we questioned.

"In the first place it must be dramatic. Drama is so much easier to write than humour, for the latter needs brilliant dialogue to make it a success. Some New Zealanders have succeeded, but not many. But there is ample scope for the dramatist. Our history abounds with incidents that can be dramatised—scenes from the

lives of the early Maori, the landings of the explorers, the Maori wars, the lives of the politicians, soldiers, and pioneers, who figured in our early history—all are dear to the New Zealander, and he likes them infinitely more than the imported play.

"The plays should be restricted to one act, though two and three are always welcome. It is somewhat difficult to maintain interest over three acts, and a long play must reach a high standard to be successful.

"The climax must be dramatic and forceful. This is essential. The play that just fizzles out is useless for radio purposes. There must be interest and excitement all the way, and it must culminate in the last few lines. (Concluded on page 2.)

Our Conversation with Mr. J. F. Montague

on

New Zealand Dramatic Talent and how it can be made to solve

The Royalty Problems

Our Own Drama

(Continued from page 1.)

"Effects should be made use of. Scenes by the shore, such as Miss Kerr's 'Devil's Rock,' are useful on this count. Wind, sea and others of nature's noises, laughter and street noises all come over the air well and heighten the effect.

"As for the constructional technique, I should advise anyone interested to consult the appendix to 'Eight Modern Plays.' The essentials are set out there very well, and will help those who are interested. I can recommend no better.

"If those who are interested in the construction of drama would follow English plays and follow them with the seeing eye and hearing ear they would derive untold help. Too many go to the plays or to the talkies, laugh at the obvious jokes, become intrigued with the plot, chatter about the scenery, then promptly forget everything. They do not look beyond the obvious. They do not think of the construction. To anyone who is truly interested in drama these are the bright spots of the whole performance. You will see how an actor will achieve his end, often without saying a word. The situation can be made tense or hilarious by his very gestures.

Radio on English Trains

Regular Service

THE first regular radio-service to be inaugurated on English trains was successfully demonstrated to railway officials recently during a journey from London to Leeds.

The headphones, which are fitted with volume controls, may be obtained from the car attendant at the cost of one shilling. They are then plugged in on the backs of the seats, and continuous programmes may be enjoyed while the journey lasts.

"Of course, many of these devices are not applicable to the radio drama, but the idea is there. Study plays intelligently and they will help you immensely.

"Now, I think I have answered your question. I can summarise my remarks by saying that broadcasting has not killed the amateur. In some fields it has stimulated his efforts, and it has certainly unearthed many amateur playwrights. But they must write New Zealand drama, and remember they are doing so for the microphone."

World Radio News

"THE age of international broadcasting is on us long before we are ready for it," remarks an English writer, deploring the lack of a universal language. "The first step toward a universal tongue is to find from among the welter of sounds in the whole realm of speech those that are common to all languages—if there be any. There is no single language that can be understood by the whole world, and there appears not the smallest particle of hope that we are within centuries of attaining this very desirable end."

A LIFEBOAT reported to be the fastest in the world, was recently launched at Dover. It was specially designed to rescue aeroplanes which have been forced down at sea. A further innovation was the fitting of a special telephone transmitter for communication with coastguard stations.

IN spite of many denunciations of "synchronised" transmissions, that is, transmissions by several low-power stations of the same programmes on the same wave-length, there is a scheme in America to set up a network of such stations throughout the country. Ten companies are to sponsor the evening programmes, which are to be conducted

ed as all-the-evening entertainments, and not as sections of an hour, or half, or quarter of an hour, as is the practice with most American broadcasters at present.

WE hear much against the American type of programme, with its advertising propaganda, so much so, in fact, that we are rather inclined to pity the unfortunate American listener. So it comes as rather a surprise to learn that someone—even when that someone is the president of the American N.B.C.—goes so far as to warn Americans to beware of adopting such a broadcasting system as that favoured in England and Australia. In his own words: "Broadcasting in the United States, unlike that in England and Australia, where it is taxed, must remain a free institution. It is sponsored programmes which have saved the industry from extinction, by giving to the public that which it desires to hear. Vying with one another to gain the attention of the listener, our broadcasting stations slowly better themselves, for they are as envious of their audiences as publishers are of their circulation."

HAVE you renewed your subscription to the—

"Radio Record and Electric Home Journal"?

Radio Bargains in Shop-Soiled and Demonstration Sets

EVERY Set is tested and guaranteed free from Mechanical or Electrical Defects. At the prices quoted each Instrument is complete with all Accessories including Valves, Batteries and Loudspeaker, etc., but not including Aerial Equipment, which can be supplied for 11/6 extra, when desired. Further particulars of any Model will be gladly furnished on request.

	List Price	Bargain Price	Deposit	12 Monthly Payments of
"BROWNING DRAKE" 5-Valve Resistance-Coupled complete	£37 10 0	£20 0 0	£4 0 0	£1 10 6
"FEDERAL" 5-Valve, complete	46 0 0	18 10 0	3 10 0	1 8 7
"AMRAD" 5-Valve, complete	30 0 0	19 0 0	4 0 0	1 8 8
"CROSLEY" 6/85 Console, complete	42 10 0	22 10 0	4 10 0	1 13 6
"SELECTRA" 6-Valve Screen Grid, complete	47 10 0	25 0 0	5 0 0	1 18 0
"DIVA" 5-Valve Neutrodyne, complete	27 10 0	14 10 0	3 0 0	1 1 8
"BRANSTON" Super Heterodyne 7-Valve, complete	45 0 0	22 10 0	4 10 0	1 14 3
"KELLOG" Wavemaster, 5-Valve, complete	35 0 0	18 10 0	3 10 0	1 8 6
"TRAVELER" Portable, 5-Valve, complete	27 10 0	15 10 0	3 10 0	1 3 0
"AIRZONE" Portable, 5-Valve, complete	27 10 0	16 0 0	3 10 0	1 4 0
"CROSLEY" R.F.L. 90 Console, 6-Valve, complete	45 0 0	20 0 0	4 0 0	1 10 6
"CROSLEY" Bandbox Junior, 4-Valve, complete	21 0 0	13 10 0	3 0 0	1 0 6
"BROWNING DRAKE" 4-Valve, complete	34 10 0	16 10 0	3 10 0	1 5 0
"NORA" 3-Stage Amplifier for 230 v. or 110 v. A.C.	18 10 0	12 10 0	2 10 0	19 6
"CROSLEY" Gembox, 6-Valve, 230 V.A.C.	32 10 0	20 0 0	4 0 0	1 10 6
"CROSLEY" Showbox, 8-Valve, 230 V.A.C.	45 0 0	25 0 0	5 0 0	1 18 0
"CROSLEY" Jewelbox, 8-Valve, 230 V.A.C.	56 0 0	32 10 0	6 10 0	2 9 6
"CROSLEY" Model 32, 8-Valve, 230 V.A.C. Console	42 10 0	32 10 0	6 10 0	2 9 6
"CROSLEY" Model 42A, 8-Valve, 230 V.A.C. Console	52 10 0	37 10 0	7 10 0	2 16 9
"CROSLEY" Jewelbox 704, 7-Valve, 230 V.A.C.	48 0 0	26 0 0	5 0 0	1 19 10
"CROSLEY" Model 41A, 8-Valve, 230 V.A.C.	40 0 0	27 10 0	5 10 0	2 1 9
"CROSLEY" Model 31, 7-Valve, 230 V.A.C.	31 10 0	26 0 0	5 0 0	1 19 10
"CROSLEY" Gembox, 5-Valve, 230 V.A.C.	30 0 0	18 10 0	3 10 0	1 8 6

CROSLEY SETS SUPPLIED TO NORTH ISLAND ORDERS ONLY.

ABEL, SMEETON LTD.

CUSTOMS STREET EAST, AUCKLAND.
Bank Street, Whangarei.
Taranaki Representative: C. R. RUSCOE,
Devon Street, New Plymouth.

Director of 2YA Retires

Complimentary Luncheon tendered by Radio Dealers, Listeners and Associated Programme Interests

ON the occasion of his retirement from the position of station director of 2YA, which position he has occupied since the opening of the station in July, 1927, Mr. J. Davies was tendered a complimentary luncheon by the Radio Branch of the New Zealand Electric Federation and representatives of religious, musical and sporting bodies associated with 2YA in its many-sided activities. There was a representative attendance of over thirty, thus testifying to the general regard entertained for Mr. Davies.

Apology From the Postmaster-General.

IN a letter of apology regretting his inability to attend, the Hon. J. B. Donald Postmaster-General, wrote: "I should very much have liked to have been able to be present personally to express my appreciation of the admirable way in which Mr. Davies has carried out the duties of station director of 2YA during the past three and a half years. It is, I am sure," he said, "largely due to his enthusiasm for broadcasting, his wise understanding of public taste, and his tact in dealing with artists and listeners, that he has made such a success of his position at the principal New Zealand station."

Mr. E. Palliser, chairman of the 2YA Musical and Dramatic Committee, in telegraphing his apologies for absence occasioned by urgent business, said that that committee would greatly miss Mr. Davies, as his great tact and personal charm had made their association so pleasant.

Apologies for unavoidable absence were also received from Mr. L. J. Retallick, hon. secretary, Wellington Apollo Singers, V. R. Bennett, Wellington Harmonic Society, and H. B. Robb, Orpheus Club.

Expressions of Regard.

AFTER luncheon, the chairman, Mr. C. W. Rickard, vice-president of the New Zealand Electrical Federation, expressed the pleasure of the organisers of the gathering at seeing such a representative attendance. In addition to radio traders, they had representatives of the church, musical, elocutionary, and sporting interests, and also the Listeners-in Society. "I feel quite sure," he said, "that you all are here to extend to Mr. Davies your goodwill, and that you have appreciated and realised the value that Mr. Davies has been, not only to the Broadcasting Company, but to the community as a whole. In appointing a station director, I feel sure that it was the desire of the company to secure a man not only with a broadcasting experience, but one with a fair knowledge of the world, one ever courteous, tactful, and with a genuine desire to give service. All these attributes I feel Mr. Davies possesses very richly. He has been very largely responsible for the smooth running and success of 2YA."

"The radio traders are all very sorry that Mr. Davies is retiring from the position. We feel that the Broadcasting Company is losing the services of a very loyal and a very efficient officer. We can only hope that the services of the

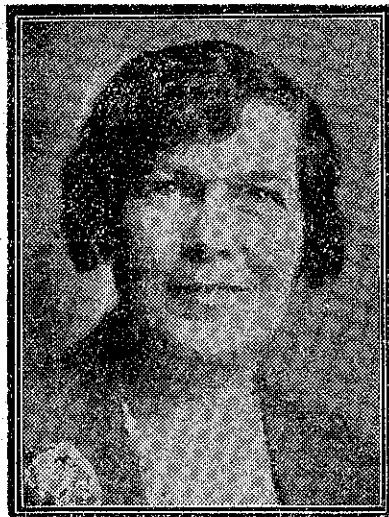
station will not in any way be impaired."

"I have, sir," he continued, turning to the guest of honour, "a very pleasing duty to perform on behalf of those present. It is to ask you to accept from them these tokens of our esteem. In deciding to make this presentation to you, those responsible have not lost sight of the fact that you have been very largely assisted by Mrs. Davies, and we are asking you to accept these with our very sincere regard, and our best wishes for your future prosperity and happiness."

Mr. Rickard then presented Mr. Davies with a handsome crystal decanter set.

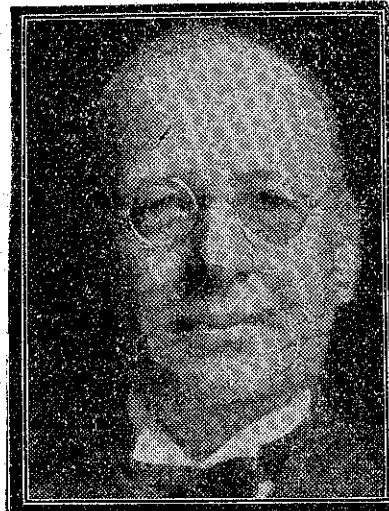
From Church and Sport.

IAM sorry I am here," said the Rev. C. V. Rooke, chairman of the 2YA Church Committee. "That is the Irish way of expressing regret that such a luncheon and its object are necessary," he continued. "It was with the very deepest regret that I saw that Mr. Davies was to retire from the 2YA directorship. I have been associated with him during the past three years and I have always found him courteous and kind, and efficient in every way, and he has made our church committee simply a happy little family of which he has been the father. It is with the very deepest regret that we lose him, and 2YA will find it very hard indeed to replace him. Mr. Davies, on my own behalf I personally feel your loss very much, and on behalf of our committee I would tender our good wishes for your future prosperity and happiness."



Mrs. J. Davies, who has been associated with 2YA as hostess for the last 3 1/2 years.

MR. G. F. ALDRIDGE, representing sporting bodies, said that he esteemed it a great privilege to be invited to the function to pay his loyal tribute to the qualities of Mr. Davies. Mr. Davies, he said, had had considerable experience outside the broadcasting company in the control of men. He was a man who had travelled the world, and had been associated with all types of men, and who held the very



Mr. J. Davies, director of 2YA for 3 1/2 years. In this interval listeners in the Wellington area grew from 6000 to upwards of 25,000. Mr. and Mrs. Davies were presented with a set of crystal-ware in recognition of their services to radio.

highest qualifications as a marine engineer. His services were used in the Great War when he had control as a marine engineer of ships trading from India, and other parts of the world.

"I may mention that Mr. Davies has spoken very highly of the loyalty of the staff generally associated with him in the various services at 2YA. You gentlemen all know what a very fine staff he had under him, including him whom I consider the world's finest announcer, Mr. Clive Drummond. (Applause.) I say that the sporting bodies generally join in wishing Mr. Davies all prosperity and health in the future."

ON behalf of the Amateur Radio Society of which he is past president, Mr. J. H. Owen said that he had met Mr. Davies on many occasions, and he had always been ready with a pleasant greeting, and a desire to meet one in every possible way. He conveyed to Mr. Davies on behalf of his society his very

best wishes for the future in whatever direction he went.

MR. HARISON COOK, representing the 2YA Musical and Dramatic Committee, expressed his gratitude for the kindness and courtesy that they had always received at the hands of Mr. Davies, and wished him and Mrs. Davies every happiness.

Mr. Davies in Reply.

MR. DAVIES, who was greeted with prolonged applause, in reply, said that he hardly recognised himself in face of all the nice things that had been said. He was grateful for the recognition extended to Mrs. Davies. As to broadcasting, certainly there had been difficulties to overcome, but that was all in the day's job, and when that job was a pleasure, then overcoming the difficulties was a pleasure too. They could see what a great service in the future broadcasting was going to be to New Zealand, and the world in general. Although 2YA had been going 3 1/2 years it might be said to have only just started, and he trusted his successor, for the sake of broadcasting, would be a 100 per cent. better man than he was. The service was more than a matter of just giving pleasure—it was a matter of rendering service to many different sections of the community. As a listener for the future he would probably be as critical as any one, but he would know something of the difficulties under which they were being presented. No more loyal staff could be found anywhere than those associated with him at 2YA, and he appreciated the way in which they had invariably co-operated in overcoming difficulties. On behalf of Mrs. Davies and himself he thanked them for their kind words and beautiful presents.

Mr. Davies resumed his seat amid heartfelt applause.

A Broadcasting Fancy

BROADCASTING one programme from two cities at once seems to have captured the fancies of Continental broadcasters. The stations at Munich and Vienna were connected together recently, and the former opened the programme with an orchestral selection. The next announcement and item came from Vienna, and so on. Then a Viennese soprano sang to an accompaniment from Munich, and an actress in Vienna performed a play with an actor in Munich.

YOUR BAGGAGE
INSURED against loss
or damage from any cause

The premium is moderate
the cover is **WORLDWIDE**

Offices in all principal towns
and cities throughout New Zealand

NORTH BRITISH & MERCANTILE
INSURANCE CO. LTD.

The New Zealand Radio Record

—AND—

Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX. 1032, WELLINGTON.

Published Weekly. Price 8d. Subscription Post Free in advance, 12s. 6d. per annum; booked, 15s.

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

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

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

WELLINGTON, FRIDAY, JANUARY 23, 1931.

A MILESTONE AT 2YA.

IN view of the fact that Mr. J. Davies, late Director of 2YA, has occupied that position since the formation of the station in July, 1927, it may fairly be said that his retirement marks a milestone in the history of the station. The gathering of radio dealers and representatives of the religious, musical and sporting bodies which have been associated with 2YA in manifold activities, at a farewell luncheon to Mr. Davies on Friday last, gave fitting expression to the regard commanded by him during his term at the station, through his invariable tact and courtesy and keen desire to give the fullest possible service. The speeches made at that gathering testify abundantly to the personal regard felt for Mr. Davies and his work. Those remarks may fittingly be endorsed by the "Radio Record." It can be said without hesitation that Mr. Davies has devoted himself whole-heartedly to the interests of the station and listeners and in his retirement he carries with him not only the expressed good wishes of dealers and his other associates, but the unexpressed wishes of listeners in general.

IT is interesting on this occasion to glance back at the progress made by the station during Mr. Davies's occupancy of the position of Director. 2YA was opened in July, 1927. On June 30th preceding, the total number of listeners was 18,326. Auckland provided 8,933, Wellington 3,347, Christchurch 4,606, Otago 1,440. The superior service provided from that point by the Radio Broadcasting Company through 2YA and its other stations which were then being reorganised and strengthened, started a period of expansion which has continued to the present. To-day the latest figures give the grand total of licensed listeners and dealers as 61,948. Wellington has displaced Auckland from the premier position and

takes the lead with the splendid total of 25,227. Auckland is next with 18,189, Canterbury third with 10,014, and Otago fourth with 6,727. In contemplating these figures some satisfaction must be felt by Mr. Davies at the position attained by Wellington. In an interview with Mr. Davies published in the first issue of the "Radio Record" these remarks were made: "We have here one of the most perfect plants in the world and we intend to provide the best programmes that Wellington can produce. Of course, we will not please everyone. I hardly need to say that, but if we provide a service of a high standard of education and as large a variety as possible in the way of entertainment, I think public approval will be gained and kept." The ideals thus enumerated by Mr. Davies have provided a steady objective for the station. Recognising from the outset the impossibility of pleasing all listeners all the time, Mr. Davies has nevertheless aimed at giving a service which would give as many as possible the highest degree of satisfaction.

THE testimony of his success is recorded in the figures of licensed listeners for the provincial area. No one not closely associated with a broadcasting studio can quite appreciate the long hours and incessant work required to keep the routine of broadcasting running smoothly. Mr. Davies has never spared himself in the time devoted to his task. His tact never failed to our knowledge and his urbanity was never ruffled. This is in itself a notable tribute for occasions have been seen when telephonic and other pressure of an irrational nature might have excused the ruffling of a remarkably even temper.

TRIBUTE should also be paid to Mrs. Davies for assistance rendered by her on social occasions as official hostess. Her part was recognised at the complimentary gathering by the nature of the presentation. To both Mr. and Mrs. Davies the hearty thanks of listeners are due for services rendered over the past three and a-half years and best wishes for future happiness and prosperity. Their departure marks a milestone at the station, and for the sake of broadcasting in general we trust the next period of service will witness as high a standard of service and an equal improvement in popularity.

Licenses Unaffected by Summer Conditions

Numbers Still Rise

RADIO licenses at the end of 1930 totalled 61,948. Wellington province has 25,227 receiving licenses and 495 dealers' licenses.

Transmitting seems to be more popular in Wellington than elsewhere, provincial enthusiasts having taken 112 licenses out of the total of 296.

Detailed comparisons, showing the number of licenses of the various types, are given below:—

	Receivers.	Dealers.	Trans- mitters.	Exp'mn'tl. and Special.	Free.
Wellington	25,227	495	112	4	54
Auckland	18,189	308	88	2	98
Canterbury	10,014	260	54	1	56
Otago	6,727	181	42	1	35
Total	60,157	1244	296	8	243
Grand Total: 61,948.					

The radio license year does not expire until March 31, and it is expected that the grand total will be augmented before April 1, when new licenses will be required.

ROLA Screen-Grid RADIO

The Radio which is noted for its Beautiful Tone Quality and Distance-getting.

Install one and be Satisfied.

Cash or Easy Terms

£38

Cash or Easy Terms

G. G. MACQUARRIE, LTD.
120 WILLIS STREET.

Mullard
THE MASTER-VALVE

The only Valve with
the wonderful P.M.
Filament. Gives longer
life — more power —
greater volume.

Rebroadcast of 5SW

All Stations on the Air
Wednesday Next

FROM 5SW, Chelmsford, England, at 9 a.m., New Zealand time, Wednesday next, the Right Hon. Ramsay MacDonald will summarise the results of the India Conference. In view of the great interest this is to the Empire, efforts will be made to rebroadcast the talk. With this end in view all YA stations will be on the air shortly before the appointed hour for the rebroadcast. Good reception of this English station is not usual at this time of day, but if it is to be had on the elaborate short-wave receivers used by the stations listeners on crystal sets will be able to hear the proceedings through the rebroadcast.

New Zealand-Made Talkies

Local Company Operating

BY reason of the association with the venture of Mr. W. J. Bellingham, formerly Musical Director for the Radio Broadcasting Company, listeners will be interested in the development of the New Zealand Cinema Sound Films Limited. This young organisation is embarking upon an ambitious programme of film production, aiming at utilising our scenic resources and Maori folk-lore as well as the industrial activities of the Dominion. The company has an arrangement with Fox Films by which one-third of the Fox Movietone News is supplied each week chiefly dealing with New Zealand subjects.

The new company has a strong group of technicians and hopes to achieve a definite success not only in New Zealand but in venturing upon the world market.

Personal

A NEW uncle is being heard over the air from 1YA. He is Uncle Reg (Mr. Reg Morgan), who has taken the place of Uncle Tom (Mr. T. T. Garland).

Captain Chandler, of the Salvation Army in Dunedin, has received notice of his transfer to Auckland. He is an enthusiastic broadcaster, well known to 4YA children as "Uncle Bert." Captain Chandler was also chairman of the 4YA Children's Sessions Advisory Committee.

Mr. J. T. Montague, who has broadcast from all New Zealand stations, returned to Auckland Tuesday last.

KNOW the time all over the world with a

DX Clock.

Printed on Heavy White Paper.
Posted in Cardboard Tube.
9d. Each.

Wednesday Programme from 2YA

Special Recording of Artists of International Repute

AS announced last week, the silent day will be deleted from 2YA's schedule from the beginning of February. This is in accordance with the wishes of radio dealers, and will give general satisfaction to all listeners.

The programmes proposed will be very much out of the ordinary so far as New Zealand is concerned. They will be composed of recorded features selected from overseas broadcast entertainments. Arrangements for their supply were made by Mr. A. R. Harris during his recent visit to America. When the question of deleting the 2YA silent day was under consideration the chief obstacle was the type of entertainment to be presented. It was realised that the programmes must differ as much as possible from those at present broadcast, for to extend the number of concerts with the present available local talent would simply mean a lowering of the average standard. The problem has, however, now been solved, and listeners will be treated to some excellent recorded entertainment by overseas artists of international reputation now resident in America.

The whole of the programmes on Wednesday evenings will be of an international character, for, apart from the concert items, arrangements have been made for talks on subjects of international importance. In this connection may be mentioned Dr. Guy H. Scholefield, a noted journalist and now Parliamentary Librarian.

There will be five entertainment features on the first of the Wednesday programmes, February 4. They will be:—

- (1) "The Ormandy Orchestra," Eugene Ormandy being an eminent Hungarian violinist and conductor, famous in music circles in U.S.A. A wide range of items will be presented.
- (2) "Abroad With the Lockharts," an unusual and amusing series of travelogues.
- (3) "The International Singers," considered to be one of the best male quartets heard on the air in America.
- (4) "Hy Wide and Handsome"—two worthies, one, an ex-cowboy who prefers the life of a gentleman of leisure; and his valet, a coloured gentleman. They are a sort of Don Quixote and Sancho Panza in music.
- (5) "The Ambassadors of Melody Land," comprising an orchestra and singers.

The Recent Mine Disasters

A Thrilling Broadcast

THE two recent mining catastrophes on the Continent have once again brought to mind the terrible risks run by miners in their daily work. Following upon these Continental tragedies the B.B.C. broadcast a talk from Cardiff (in the heart of the Welsh mining country) showing the dangers of mining and the precautions taken to eliminate these risks as far as possible.

In addition a play based on a mining disaster was performed. What a subject for drama! A party of miners buried by a fall after an explosion: the search party frantically seeking the entombed men; the agonising but philosophical discussions of the prisoners as to the probability of their rescue; and all the time the faint sound of the rescue party cautiously working

to effect their release. Finally the singing of Welsh miners as they come to the pit-head. A canary and a pit pony played their roles before the microphone as they would play it in reality.

It was undoubtedly a tragic and thrilling programme, especially to those listeners living in mining areas.

Broadcasting House

Britain's Super Studio

BROADCASTING House, the new headquarters of the B.B.C. in Edinburgh, is the largest studio in the British Isles, possibly in Europe. Quite a palatial place, nothing has been omitted that will help to create the atmosphere essential to successful performance; and artists will feel happy in congenial theatre surroundings created by co-operation of engineer, radio specialist, acoustic expert and decorator, while choirs and orchestras have the benefit of travelling microphones suspended from the ceiling.

In the galleries spacious accommodation for visitors is provided, and for those giving talks there is a diminutive studio, with an armchair for the greater ease of the speaker. "Wireless is a great asset in our life," said the Secretary of State for Scotland at the opening ceremony, "and the new Scottish headquarters of the B.B.C. will satisfy the soul of the artist and the technical demands of the radio engineer. The B.B.C. has made a genuine effort to foster Scottish drama, music and literature, and many a lonely hamlet, many a ship's company at sea, is grateful for what the B.B.C. is doing. When I was in the Hebrides in August it was the wireless bulletin that brought the glad news from Glamsis."

A Novel Broadcast

Programme Review of 1930

ON a recent evening, 3LO, Melbourne, broadcast an attractive novelty under the title of "The 1930 Review." This presented to listeners, in humorous and entertaining vein, a review of some of the outstanding features of 3LO's programmes during the past twelve months.

A feature of the entertainment was the presentation, in retrospect, of the running of the Melbourne Cup, in which the New Zealand-bred wonder horse Phar Lap secured such a thrilling victory. Step by step the race was run once more before the microphone. Once again listeners had the thrill of it—the gay scenes, the plaudits of the crowd, the horses thundering up the straight to an exciting finish.

Metrodyne

WRITE OR CALL AT ROYDS-HOWARD CO. 553 COLOMBO ST. CH. CH.

RADIO FOR TONE & DISTANCE

Burgess Batteries
are used in all
big events.

Why?

**BURGESS
RADIO
BATTERIES**

More Burgess
Batteries are sold
in New Zealand
than any other.

Why?

Seasonal Decrease in Licenses

Australian Position

MEMBERS of the radio trade in New South Wales have recently studied the seasonal variation of radio-receiver sales, and have discovered that there is more than a 50 per cent. difference between the monthly issue of new receiving licenses in summer and in winter.

The obvious reason for such a position is, of course, that summer days are longer, and that people spend much more time out of doors. Home life is, in fact, transferred from the fireside to the garden.

There is really no justification in this excuse. Older forms of household amusement were suitable only for the fireside. Radio is not. It can be more pleasant in the garden than in a closed room. It is just as easily transferable, with a slight adjustment, to the tea table on the lawn as it is to another part of the house.

"Radio Record and Electric Home Journal."

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

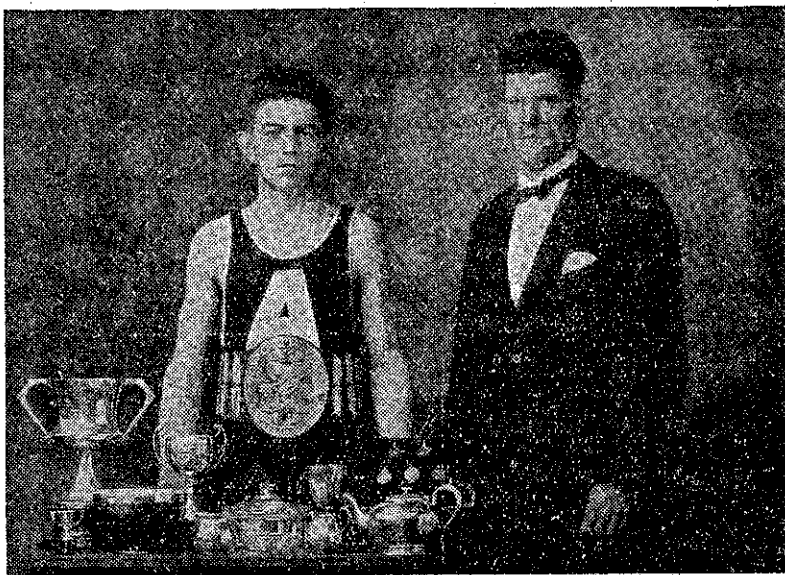
Interesting Boxing Broadcast

All Eyes on Johns v. Leckie Bout

THE match for the lightweight championship of New Zealand which is to take place on Monday, January 26, between H. Johns and Hector Leckie (the holder) will be broadcast by 1YA.

The event will do much to stimulate interest in boxing, for it is some considerable time since the Northern Box-

titles. Two years later he was successful in annexing the featherweight championship of Auckland and the Craig Cup for the most scientific boxer. The same year at Greymouth he won the featherweight championship of New Zealand and the Jamieson Belt and Cup for the most scientific boxer. Defending his title at Auckland in



H. Johns, challenger for the title.

ing Association staged a contest, owing to the dearth of first flight boxers.

While Leckie, the lightweight champion, can boast a record of professional engagements extending over many years, he will find a redoubtable opponent in Johns, who will be making his debut as a professional when he steps into the arena this month.

Johns commenced his boxing career in 1925 when at the age of 14 he won the midweight championship at the military boxing tournament. The two succeeding years he followed up his success in the military tournaments by winning the paper and bantamweight

1930 he was disqualified, but was runner-up in the New Zealand featherweight class championships.

His age is now 19 years, and during his boxing career he has been in the ring on 46 occasions and 41 times has left it the victor. He is trained by Mr. W. Williams, of Avondale.

In Johns, Auckland has a good boy, and from the fact that all the other front-rank boxers in the Dominion graduated from the amateur ranks springs the hope that Johns will prove another Purdy or another Murray, and thus carve a name for himself in the annals of the New Zealand ring.

A New Use For Television

Destroying Enemy Submarines

TELEVISION pictures transmitted from an army observation plane were recently employed to locate and destroy theoretical enemy submarines intent on reaching the Golden Gate and San Francisco.

The observation plane was sent out to find the "enemy" vessels, particularly submarines, known to be proceeding toward the harbour. The plane

was equipped with a television transmitter, which was operated in conjunction with a ground station far inland. The trained observer saw the tell-tale spear-head wake of two submarines on the water below, although the vessels were so deep that their periscopes were under water.

He immediately made a sketch of the ocean and adjacent land below, depicting the position of the submarines by two crosses. On the map he printed a request for a bombing plane, and then transmitted the sketch by television to the ground station, where it was handed to a bombing crew.

The bombing plane immediately took off, flew to the indicated locality, and dropped dummy depth charges before the submarines had proceeded a mile.

Mr. Tennent and Farmer Brown

Popular Lecture Series

THE January issue of the "New Zealand Farmer" has the appended reference to the broadcast dialogues by Mr. R. B. Tennent, Fields Superintendent, Department of Agriculture, Dunedin, and Mr. L. W. McCaskill, B.Agr. These talks on farming are, as the "New Zealand Farmer" says, novel, interesting, and profitable. They take place in 4YA Studio, and are relayed to 3YA. Farmers and townspeople throughout New Zealand listen, for the two broadcasters have the knack of being able to grip and hold the attention of all who are tuned in to either station at the moment. Nothing more natural than these dialogues on farming can be imagined, and their effect is increased by the "setting" which is given by the introduction of noises typical of life down on the farm. The dialogues are of the series of weekly talks for farmers arranged for by the 4YA Primary Productions Committee, of which Mr. Tennent is chairman. The next dialogue will be given on Wednesday, February 11, when pros and cons of Farmer Brown selling his farm will be discussed.

The extract from the "New Zealand Farmer" referred to is as follows:—

"The use of the radio by the Department of Agriculture in the diffusion of knowledge and hints with respect to seasonal farming operation and problems is proving most successful in Dunedin, and farmers all over the province, and in Southland as well, express the keenest appreciation of a service that is novel, interesting, and profitable.

Mr. R. B. Tennent, of the Fields Division, has arranged to go on the air periodically, and in conversation with Mr. L. W. McCaskill, B.Agr., discuss matters of special interest at the time of the broadcast. Mr. Tennent takes the part of guide, philosopher, and friend, while Mr. McCaskill assumes the diverting role of Farmer Brown, who has all manner of questions and problems to put to his mentor.

The whole discussion is carried out in the most casual conversational style, but the points raised are none the less forcefully made. Farmers in all parts of the province eagerly await the weekly sessions of Farmer Brown and Mr. Tennent, and, moving around the country, one hears all sorts of discussion on the questions dealt with on the air. These broadcast talks may be regarded as among the most effective of the department's efforts at the present, and, it may be conjectured, will accomplish a good deal more than stereotyped lectures and papers read on stock subjects.

Farmers in Otago and Southland have reason to congratulate themselves on having the advantage of so wide-awake and progressive a State service as the local branch of the Department of Agriculture operating in the district for their benefit."

EIGHT modern wireless stations now serve Iceland, and a new 15,000-watt long-wave Marconi transmitter is now being built near Reykjavik to communicate with the United States and other countries.



It has the SECRET OF SUCCESS at its fingers' ends.

CLASP IT NOW, and take the I. C. S. "Lift" to the Top.

DON'T SAY YOU NEVER HAD A CHANCE! The I.C.S. Illustration Method makes home study practical.

International Correspondence Schools (NEW ZEALAND) LIMITED

"Wakefield Chambers," 182B Wakefield St., Wellington.

Sirs,—Please send me free prospectus giving full particulars of all branches of the profession or occupation before which I have marked X (If your subject is not on this list, write it here):

Architect, General Bookkeeper, Mach. Draughtsman, Station Bookkeeper, Concrete Contractor, Salesman (any branch), Building Contractor, Show Card Writer, Carpenter, Advertiser (any branch), Plan Drawer, Com. Illustrator, Shire Engineer, Journ'ist (any branch), Shire Overseer, General Education, Motor Engineer, Language (G'phone), Motor Mechanic, Special Examinations, Electrical Engineer, Accountant (Inst. Ex), Elec. Mech. Exams, Matriculation, Mechanical Engin'g, Intermediate, Mine Electrician, Hereford House, Telephone Mech., Public Service, Aeroplane Engineer, Special Women's Dept., Aeroplane Rigger, Dressmaking, Textile Expert, Millinery, Plumber, Shortland Typing, Mathematician, Bus. Correspondence (There are over 4,200,000 I.C.S. Students, over 26,000 of these being in New Zealand).

ENQUIRIES COST NOTHING—POST NOW

Name.....

Age..... Occupation.....

Address

Dangers of Navigation Notes and News from the North

Locating Icebergs

(By "Call Up.")

EFFORTS are still being made to devise a practical iceberg finder that will give infallible warning to an ocean liner of the presence of the danger.

Radio has been of some aid in preventing a repetition of a disaster such as that which caused the loss of the Titanic some years ago, but even this medium is not entirely successful.

American coast-guard ice patrols, by means of radio, are able to warn vessels of the presence of icebergs they have located, but no instrument has been found sufficiently practical to pay for its installation on liners themselves.

Sounding apparatus has been made which will detect icebergs a mile or so distant, but such apparatus is not very successful because of the speed of modern ships and the lack of accuracy in making distance measurements. The development of the radio compass, or directional-finder, however, now enables rescue ships to reach a boat in distress much more quickly than was possible at the time of the Titanic disaster.

THE IYA Broadcasting Choir will be heard next on February 11, when they will give another community sing from the studio. On April 1 they will present Gounod's "Messe Solennelle" (St. Cecilia Mass), with orchestral accompaniment.

THE Auckland District Telegraph Engineer advises that all listeners who take their receiving sets away for the holidays must first obtain temporary permits for the transfer. These permits are obtainable, free of charge, at his office, third floor, G.P.O., Building, Auckland. A number of people do not seem to be aware that whenever a set is moved to a new address the license must be amended, although this regulation is clearly stated on every receiving license.

A NEW theory of wireless interference is advanced by a listener of Mount Albert, Auckland. He suggests that patent orange drink machines which exhibit an intermittent light at regular intervals are a new cause of interference. This listener has tested

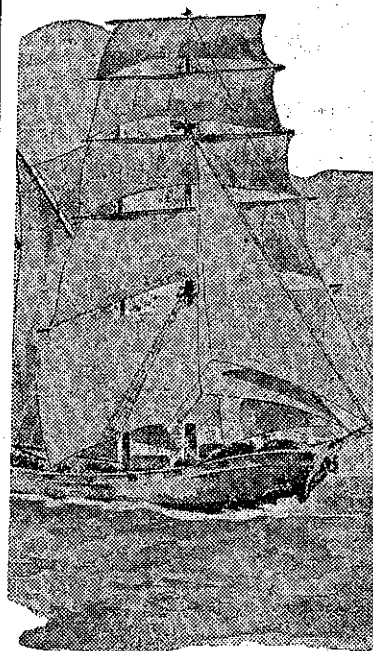
his set and the light on one of these machines, which are located at different places throughout the city and suburbs, and has found that the interruptions in his set correspond with the flashes of the machine light. As the light goes on and off once every five seconds throughout the twenty-four hours it can be seen that if this is a cause of interference it is a really serious one.

"UNCLE" REG has now definitely taken "Uncle" Tom's place at IYA, the latter having resigned last month. "Uncle" Reg is a clever entertainer both at the piano and as a singer, and should soon become a favourite "uncle."

THE Little Play Club under the direction of Mrs. Zoe Bartley-Baxter will present a three-act play entitled "Don," by Besier, from IYA on February 6. Among a number of new artists to be heard from the Auckland station during the next few weeks are Miss Nance Macklow, soprano, Miss Janet Brash, contralto, and Miss Joyce Houlo, an accomplished elocutionist, formerly of 4YA Dunedin.

OF all the present-day popular sports, from football and cricket to yachting and wrestling and many others, the only important one not so far broadcast by IYA is broadsiding. Nego-

"Passengers"



A Specially Arranged

Sketch

from 2YA

Saturday, January 31

Presented by

H. E. Lucas

WHAT DO WOMEN WANT MOST?



BE A BRITON!

Read This Wonder Book



For a limited time you may get this wonder book free, if you act quickly. Its message and its many illustrations will amaze you. It contains matter of vital information that you should know about at once. Rip the coupon out and post TO-DAY!

ALFRED J. BRITON

Dept. R.R. 107 Pitt St., Sydney, N.S.W.

WOMEN want He-Men for their Husbands and Sweethearts—None of this chorus-man stuff for the real girl. She wants to be proud of his physical make-up, proud of his figure in a bathing suit. She knows that it's the fellow that is full of kick and vitality that gets ahead in this world. He's got the physical backbone to back up the mental decisions he makes. He'll win out every time.

LOOK YOURSELF OVER!

HOW do you shape up? Are you giving yourself a square deal? Have you got those big, rolling muscles that mean health and strength inside and out? The vitality that gives you the ambition to win out at everything you start. Make that girl admire you first and foremost for a real he-man, and the hardest part in winning her is over.

I CAN GIVE IT TO YOU IN 30 DAYS

IN 30 days I can make you over so that she will hardly know you. I'll put a whole inch of solid muscle on each arm in 30 days, and two whole inches of rippling strength across your chest. I've done it for thousands of others, and I can do it for you. I don't care how weak and puny you are. I like to get them weak and puny because it's the hopeless cases that I work with best. It gives me a lot of real joy just to see them develop, and the surprised look in their eyes when they step before the mirror at the end of 30 days and see what a miracle I have worked for them.

YOU'LL BE A HE-MAN FROM NOW ON!

AND it's no temporary layer of muscle I put on you. It's there to stay! With those newly-broadened shoulders; that perfect neck and great, manly chest, you can maintain your self-respect in any society. Every woman will know that you are what every man should be—a forceful, red-blooded he-man.

I WANT YOU FOR 90 DAYS

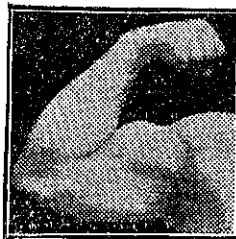
AT the end of 30 days you think you have improved, wait till you see yourself at the end of 90 days. Then friends you thought were strong will seem like children by comparison. I'm not called the Man Maker for nothing. My system scientifically builds real muscle faster than you ever imagined.

WATCH THEM TURN AROUND

NOTICE how every woman prefers the fellow who carries himself with head up. Notice how the broadshouldered man always gets their eye. They want a dependable he-man when they make their choice—one who can protect them. And you can be that man. Remember, I not only promise it. I GUARANTEE IT. Now don't put it off a minute. Get going to new happiness and real manhood to-day.

RIIP THIS OUT — MAIL NOW!

I Dear Sir.—Please send me, absolutely
T FREE and without any obligation on my
S part, a copy of your latest book, "The
S Secrets of Muscular Strength—and How to
S Acquire It." I enclose 6d. in stamps for
F NAME
F FULL ADDRESS
R R.R. 23/1/31
E **ALFRED J. BRITON,**
E Dept. R.R., 107 Pitt St., Sydney, N.S.W.



tations for relaying a programme from the Western Springs Stadium were entered into early last year, but were not successfully finalised. The stadium is some distance from the station and possibly the expense of the relay would not justify it, but nevertheless, if such a feature could be incorporated in the IYA programmes, there is no doubt that it would be most popular.

THE news that 2YA Wellington is to have its silent night eliminated has naturally made local listeners more optimistic that IYA will also soon be on the air every night of the week. Mr. C. A. Tucker, president of the Auckland Radio Dealers' Association, says that local dealers regard the extension of 2YA's hours with great satisfaction, and that they hope to see a similar extension of IYA's schedule before long.

BARGAINS

We have a few NEW 2.5 Amp. Chargers for Sale at the exceptionally low price of £2/5/-. Worth more than twice this amount.

L. M. SILVER & CO.

Lucas House
WAKEFIELD STREET,
WELLINGTON.

NEW ZEALAND listeners who find that 3AR, Melbourne, has become very weak lately will be interested in the complaint of a listener residing in Caulfield (an outside suburb of Melbourne), published in a recent issue of the "Listener In":—Sir,—Considering the power used by 3AR, this station should be received in Melbourne suburbs as loudly as any other, yet, strangely enough, it is one of the weakest, and, although my two-valve receiver brings in all other stations, including amateurs, 3AR is the weakest of them all.

SHORTWAVE listeners will soon hear a super-abundance of telephony from the Philippine Islands. Radio telephony is now being installed throughout the Philippines, in order to place Manila in conversational reach of every point. Later the inter-island radio telephone service will be extended to connect with the United States and Hawaii.

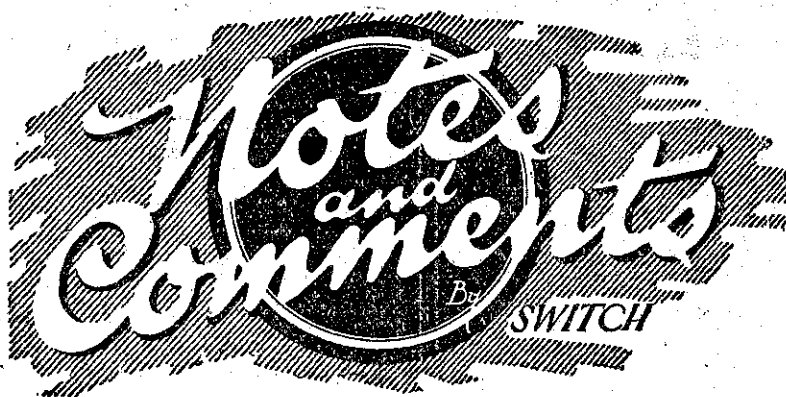
FOR a while recently patrons of the Wellington dirt track speedway missed the cheery voice of Mr. Geof. Shrimpton, the official announcer at the speedway microphone. Mr. Shrimpton, however, is back again in the arena, and his lively remarks are making the crowd laugh as of old. This well-known amateur radio transmitter appears to have given up his hobby.

SOME disappointment was expressed among listeners when it was announced that Miss Mercedes Gleitze had accepted an invitation to leave shortly for Sydney to compete in the ladies' endurance swim there, as many were looking forward to listening to the progress reports broadcast from the accompanying launch during her swim across Cook Strait. Miss Gleitze, however, has reassured us by stating that she had come to New Zealand for

the special purpose of swimming Cook Strait, and she would return from Sydney to carry out her intention.

WHILE listening to Mr. Scullin's address in the Ashfield Town Hall, Ashfield, Sydney, recently, "Switch" found that 2FC, Sydney, was decidedly weak. Switching over to 2NC, Newcastle, he received Mr. Scullin's speech many times louder than from 2FC. Within half an hour, however, 2FC recovered, and the volume soon overshadowed all the other Australian stations. An unusual steadiness was also maintained. Atmospheric vagaries may have accounted for 2FC's behaviour on that occasion.

AN indifferent receiving set can sometimes be improved 50 per cent. by the use of the "best" valves, and the "best" set may not perform within 50 per cent. of its capacity with indifferent valves. "Switch" is moved to reiterate this warning to listeners, as only a few days ago he inspected a friend's set which was obviously not pulling its weight, although six months previously it had done well. The reason was clearly deterioration



in the efficiency of the valves, which had not given more than half the period of usefulness obtainable from first-class makes of valves.

THE ship's barber on the Union Company's new San Francisco—Wellington liner "Monowai" has a first-class American screen-grid a.c. broadcast receiver in his barber's shop on the vessel. For an aerial he ran about 30 feet of insulated wire out of his cabin port-hole up to a stanchion on the boat-deck above his cabin. He obtains good loud-speaker reception of American stations far out in the Pa-

"ROY" (Kelburn) writes: "When searching for distant stations lately I have experienced loud clicking which considerably interfered with reception. I made a tour of the vicinity of my home and found a street light flickering with every gust of wind. What do you advise?" The street lamp was undoubtedly the cause of the interference. The best thing to do is to take the number of the post to which the street light is attached and write or 'phone to the city corporation electricity department. The trouble will then be rectified.

AFTER a splendid record, 2FC, Sydney, has at last dropped back second to 2BL, Sydney, in volume. Seasonal effect may be the cause of this lapse, and yet it may be due also to technical causes. A defective valve at the transmitting station would weaken transmission. Still, as 2NC, Newcastle, has been relaying 2FC, and the Newcastle station has good volume, the programmes from the Sydney station have been readily available, in the early portion of the evening when 2FC is weakest.

"SWITCH" always enjoys that prince of entertainers, Mr. J. F. Montague, of Auckland, who is touring the YA stations. Mr. Montague is a cultured performer, who carries his personality over the air. "Switch" has figuratively followed him from station to station, and has found him consistently entertaining.

THAT there are still a number of radio "pirates" in and around Wellington is evident from the whispers heard from time to time. This is nothing less than theft, and should be punished by a penalty commensurate with the offence, instead of the trivial fines recorded in the daily papers against those stealing broadcast programmes.

ALTHOUGH it was 2YA's "silent day" when Mr. Guy Menzies landed in the West Coast swamp after his great flight across the Tasman, the Wellington station was promptly put on the air, and the surprising news of the Southern Cross Junior's departure from Sydney for New Zealand was flashed throughout the country. A country listener living in the Wairarapa informed "Switch" that he picked up 2YA on that afternoon, much to his surprise, and received the news promptly. He, himself, spread it far and wide by telephone messages to his friends.

THE foregoing paragraph again exemplifies the value of a powerful broadcast station at Wellington for use in reaching the public of New Zealand in case of national emergency. The geographical position of the capital city justifies the placing of New Zealand's most powerful station there.

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 strength with which he has obtained reception at 11.30 p.m. during the past week:—

2BL, Sydney	10
2FC, Sydney	9½
2NC, Newcastle	8
4QG, Brisbane	7½
3LO, Melbourne	7
2GB, Sydney	6
2UE, Sydney	5½
3UZ, Melbourne	4½
3DB, Melbourne	4
7ZL, Hobart	3
3AR, Melbourne	3
5CL, Adelaide	2½
6WF, Perth	2
2KY, Sydney	1½

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

cific, and gets the New Zealand "Y.A." stations hundreds of miles out from Wellington.

"SWITCH" notes that in last week's "Record" a correspondent, "Jaka," mentions that the new Australian station, 2MV, is one degree above 2NC, Newcastle. "Switch" hears the newcomer nightly, and, in fact, he finds that when either 2NC or 2MV "swing" slightly they clash a little. 2HD, Newcastle, is now well below 2NC, but "Switch" is quite certain that a little while ago he heard 2HD and 2NC metaphorically rubbing shoulders.

SILVER-MARSHALL RADIO EXTRAORDINARY

These complete console receivers are now available. The receivers employ the most modern features in radio design, incorporating:—

FOUR SCREEN GRID BAND PASS
SELECTOR, DYNAMIC SPEAKER.
BUILT-IN AERIAL, FREE FROM
"HUM."

Official S.M. franchised dealers for Wellington City
ELECTRICAL SUPPLIES, LTD.,
37 LOWER CUBA STREET.

Station Interference Overcome

ONE of the greatest radio problems at present facing broadcasting authorities in America and on the Continent is that of overcrowding of the ether. In the broadcast band only 90 or 100 channels are available for radio stations, and yet in the United States alone there are over 600 stations operating. The apparent anomaly of the last statement is explained when it is realised that many of these stations—in one case over 50—operate on the same frequency.

These are of course as geographically remote from one another as possible, yet imagine the resulting babel from the speaker of a sensitive set situated in the centre of such a group of transmitters. This, briefly, was the serious problem facing the American Federal Radio Commission a short time ago.

And then preliminary announcements were made in the English daily press concerning a new and sensational invention called the "Stenode Radiostat." Imagine a system of reception which enables over a thousand stations to operate on a band where previously one hundred was the recognised limit. This was the claim made by Dr. James Robinson, M.B.E., Ph.D., a noted English scientist and radio engineer.

Successful Demonstrations.

IF Dr. Robinson's invention would truly allow the multiplication of possible transmissions by even two, then the word "revolutionary" could be applied without exaggeration, and the commercial importance of the invention would be immense. Dr. Robinson and his associates, however, claimed more than this; they said that under their system there was theoretically almost no limit to the multiplication of stations, and a multiplication of ten or even twenty would be comparatively simple.

No wonder the scientific world was full of doubt and was inclined to suspend judgment until a further demonstration and a disclosure of the technique could be given.

Such a disclosure and demonstration have now very effectively been given, both in England and America, and radio engineers are unanimous in their agreement with the somewhat startling claims made.

In the following extract from "Radio News" Dr. Robinson himself explains the working of his invention, and discusses the various difficulties which had to be overcome before success was achieved.

The Inventor Explains.

IT has often been said that in order to solve a problem the best way is first of all to define that problem clearly. Just what did we want to do? Obviously we had to clear the ether and make room for more stations.

"The main reason why, for example, a minimum space of 10 kilocycles was laid down as the minimum separation between broadcasting stations, was that according to the side-band theory

In a recent number of the "Record" advance particulars of a revolutionary radio invention, the Stenode Radiostat, were given. This set was designed to relieve the serious congestion of the ether in America and Europe—a condition of affairs which happily will not obtain for many years in New Zealand. Nevertheless, we believe the majority of our readers will be interested in the inventor's own explanation of the working of his new apparatus, and in his discussion of the difficulties encountered during its evolution.

a station modulated by frequencies up to 5000 cycles automatically produced wave lengths which had to be received up to 5000 cycles of each side band carrier. It is, of course, essential that the receiver should go as far as possible and faithfully copy all the sounds impressed upon the broadcast transmitter microphone.

In order to get any selectivity, the phenomenon of resonance or tuning had to be recognised. If we made our receivers too sharp then we received the carrier wave and practically nothing on the side waves. At the same time, the quality was thoroughly bad, high notes being cut off and music and speech made unrecognisable. It was considered necessary that the resonance curve of the receiver should be sufficiently wide to embrace all of the side-bands without appreciable loss, and receivers which we made flat enough in tuning to embrace all these side-bands inevitably received some of those of the next channel.

"This was particularly the case when the strength of the station on the next channel was of a high order, or to put it more simply, when we wanted to receive a comparatively weak transmission through the interference of a local station but one channel away, the interference from the local station was then noticeably present.

"The fact that the cutting of the side bands was accompanied by a sacrifice of quality led everyone to believe that this was a case of cause and effect, and one of my first important discoveries was that a loss of quality was due to an entirely different cause.

"A thorough mathematical investigation of the principles of modulation, of the form of the

modulated wave transmitted and of its effect on receiving circuits of various degrees of damping, gave me my first clue to the Stenode Radiostat. I soon realised that no matter how selective the receiver may be, it can be made to reproduce faithfully all the modulation frequencies impressed upon the transmitting microphone.

Laboratory Research.

"THE next step was to prepare in the laboratory, experimental apparatus to give a degree of sharpness of tuning hitherto considered useless.

"My theory, at this point, had developed far enough for me to see that we could cut off all the side bands, leaving only the carrier frequency without loss of any modulation frequency. The quartz crystal resonator at once suggested itself as almost the ideal sharply-tuned circuit, for a properly prepared quartz crystal will resonate freely at one frequency, and scarcely at all on the frequencies more than two cycles on either side, even on such high frequencies as are used on the broadcast band.

"A receiver made up in this way with a quartz crystal ground accurately to the frequency of a broadcast transmission gave reproduction so bad that it was useless in any form of reception of speech or music, and the result would appear to confirm the deductions from the side band theory.

"I know, however, that the reason for this bad quality was that the frequencies in the audio spectrum were being disproportionately magnified, and we could say that if all frequencies from 100 to 5000 were impressed at equal strength upon the transmitting microphone, the output from our

highly selective receiver would be expressed as inversely proportional to frequency.

"Thus notes of 100-cycle frequency were twice as strong as those of 200 cycles, those in turn being twice as strong as notes of 400 cycles and so on. It then remained to design a special audio frequency amplifier having a characteristic curve directly proportional to frequency, notes at 200 cycles being magnified twice as much as those of 100, and so on. In this way the overall response curve of the receiver could be made substantially uniform over the whole scale, giving first-class quality without sacrifice of the abnormal selectivity which characterised the radio frequency portion.

Designing the Tuning Circuit.

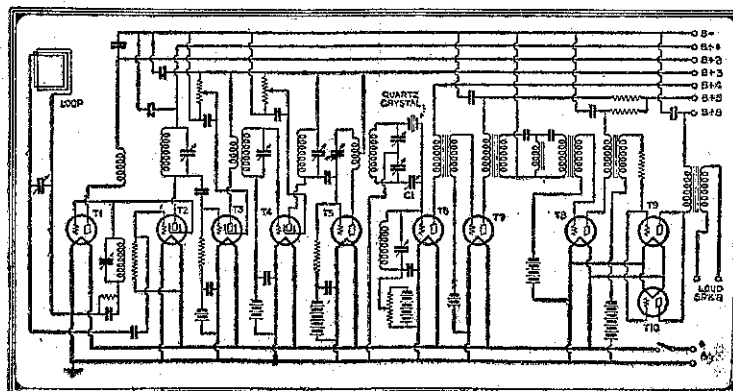
"EARLY in the article I indicated that according to the theoretical views held by practically all scientists, the resonance curve of a receiver must embrace all of the side-band frequencies if proper quality is to be obtained, also indicating that my own theory had shown this reasoning to be fallacious. Let us now consider for a moment exactly what happens in a circuit of a very low impedance, one that is tuned so sharply that hitherto it has been considered useless for radio telephone communication.

"Let us imagine, for example, that a pure note of 1000 cycles is played in front of a broadcast station microphone. This note causes a rising and falling in amplitude of the carrier wave 1000 times a second, and we say that the carrier is modulated at this frequency. When the signal is picked up in a receiver tuned to the particular transmission, a resonance effect takes place and we have, roughly speaking (considering a carrier frequency of a million) 1000 radio waves to each rise and fall. If we impress upon the microphone a note of 2000, then we have only 500 waves for each rise and fall, similarly a note of 4000 will have 250 waves, and so on.

"Now the intensity of current which the signal will build up in a sharply resonant circuit is a function of the number of waves impressed upon the receiver. You will see that in each pulsation note of 1000 you have twice as many waves for resonance purposes as you have in the note of 2000, therefore, the built-up signal will be roughly twice as strong. Carry this reasoning through all the frequencies in the audio spectrum and you will see very easily that the reproduction of frequencies in a very sharply tuned circuit is, as I have pointed out early in this article, inversely proportional to frequency.

"So far, of course, we have not found the ideal sharply tuned circuit, which would be a circuit that would respond easily to one frequency to the total exclusion of all others. Even the quartz crystal falls considerably short of this ideal. At the same time the commercial application of such a circuit would be impractical because we would pass through the station so easily when tuning as to miss it altogether.

"The present Stenode circuits have been worked out to be a practical com-



promise between infinite selectivity and easy handling. The tuning is broad enough to be easy to handle while being at least twice as sharp as the most difficult modulated conditions require; and when turning the dial we find a station, pass through it, find silence, and then, sure enough, the next station will come up clearly and distinctly, without a trace of interference, so soon as we reach the correct degree on the dial.

Phase Reversal.

"I HAVE already mentioned the phase reversal method of receiving which forms the basis of one of my Stenode receivers. In this the effects of persistence in giving a disproportionate building up of different frequencies are counteracted in the high frequency part of the circuit without in any way sacrificing selectivity, the audio frequency amplifier being of a normal type. The particular circuit used for this is one of great potentialities

and has already given admirable results, but at the moment is not quite so simple as that used in the Stenode Radiostat receiver which I have brought to this country.

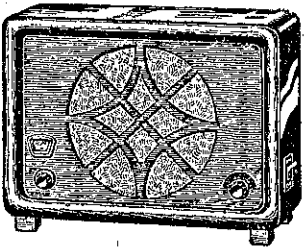
"The reproduced circuit diagram will enable you to see how the Stenode is worked out in practice. The high selectivity which is the great feature of the receiver is obtained by sending the incoming signal through a quartz resonance circuit, and in order that one quartz circuit can be made to function for all frequencies in the broadcast band, we utilise the superheterodyne principle, converting the incoming waves from their normal frequency to that of the quartz crystal circuit.

"We thus have a loop receiving circuit, or tuned circuit connected to an aerial if necessary, an oscillator circuit for beating the local oscillations with the incoming oscillations, so as to produce the intermediate frequency, screen grid intermediate circuits, a

Could You Like a Blue Spot

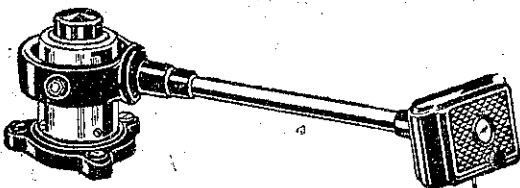
75 per cent. of the Speaker Units sold in England are of Blue Spot manufacture.

Every Blue Spot product offered in New Zealand is of the same exact quality as a Blue Spot product sold in England.



PRICE £15

The complete 3-valve all electric Radio Set, with built-in Blue Spot Loud Speaker, is a faithful receiver of broadcast. Chamber Music has the fine tone of the concert room; jazz music bubbles with pep and snappiness, whilst from the voice of the announcer or lecturer you can picture the very enthusiasm as he gives out good news or new information. Records also may be played electrically with the addition of the Magnet System Blue Spot pick-up.



Price £4

Volume control is noiseless, the music is clear perfect music, without scratch.

FACTORY REPRESENTATIVES:

SCOTT & HOLLADAY LTD.

CIVIC CHAMBERS, WELLINGTON.



"Pros and Cons"

ONE ACT PLAY

Written by
Keneth Barnes

Produced by
J. W. Bailey & Company,

from
1YA Friday, 30th

SCENES:
"Man Proposes,"
"Woman Espouses,"
"God Disposes."

highly selective quartz circuit (or the 'Gate' as we sometimes call it), the second detector and a specially designed audio frequency amplifier to correct the effects of persistence. For fixed wave-length working, such as amateur radio telephone, for example, or for trans-oceanic telephone communication, it is unnecessary to utilise the supersonic superheterodyne principles, for the special quartz tuned circuit can be tuned directly to the transmission frequency and considerable simplification effected in this way.

Numerous Problems.

"I HAVE not, of course, much space to deal with the thousand and one problems and difficulties which have had to be overcome in developing the Stenode receiver in its present form.

"The quartz crystal, for example, which is mounted in a vacuum, had to be very carefully investigated, and the best form of mounting found; the superheterodyne receiver had to be re-studied from the very beginning, for it was found that in the forms most

generally used the superheterodyne suffered from a number of defects which prevented me from obtaining really high-grade quality.

"Special precautions had to be taken in the design of apparatus to tune sharply enough for the Stenode. Thus, by many months of intensive work, with a laboratory staff held keenly interested in the development of something essentially new, all of the difficulties were overcome.

Basis of Operation.

"Finally, I would like to point out that the whole of the work on the Stenode has been based on well-known mathematical and physical principles and the fact that the apparatus works in a way which has hitherto been held impossible according to the side band theory does not worry me in the slightest.

"A number of scientists of international repute are now working on the theoretical basis of the Stenode, and it has already been indicated to me that at least two of them have found what may be termed the missing link in the side band theory which will enable it to accommodate the Stenode facts and also the basic theory of side bands.

What of the Future?

The ultimate theory may be a year or two in appearing, but meanwhile the practical work and application of the new facts go on. In this connection I would point out that there is no general agreement on the theory of the crystal detector which was rendered obsolete by the valve, and even Marconi's coherer is not properly understood!

"Probably the Stenode Radiostat will be in universal use long before scientists agree on the theory, but what does that matter so long as we have cleared the ether?"

NOTE THE LOW PRICES FOR 1931.

KOLSTER BRANDES Inductor Dynamic Speaker, usually £6, now £4/17/6. BLUE SPOT, all electric, built-in speaker sets were £17, now £12 10/- for a few weeks only. AEROTONE all-electric local receivers, two valves, were £16, now £11. GREDX 4 valve screen grid, all electric, all wave, was £36, made by Green & Dixon and guaranteed in writing 12 months, to clear at £24/10/-. COSSOR 3-valve screen-grid melody maker, was £11/15/- now £9. Junior model was £7/10/-, now £6, and gets Australian stations, too. IGRANIC push-pull transformers were £4, now £3/6 pair, absolutely new stock. BRIGHT STAR 45-volt B batteries usually £1, now 12/6, new stock too. PHILIPS B battery charger 1001, usually £5/5/-, now 30/-, new; all replacements guaranteed. HEGRA cone speakers, 3 impedances, were 75/-, now 58/6, and as good as dynamos; aerial insulators from 1/- per doz. BOND torch refills 5d. each unit. Aerials and all accessories greatly reduced. Any Radio supplied. Send inquiries; postage paid on 10/- orders.

BOB HORROBIN,

Flashlight Corner, Courtenay Place, Wellington. Quick repairs. Phone 22-357.

Use Our Booking Offices in Advance

S-O-S

TRAVEL IN COMFORT BY CAR

WELLINGTON - PALMERSTON
NEW PLYMOUTH

Readers' Queries

"CRYSTAL ONE-VALVE" (Auckland): A diagram of the earth you inquire about appears in our "Questions and Answers" columns this week. Full particulars were published about two years ago.

J. E. (Tauranga): The DX (short for long-distance) Club is conducted solely in the interests of those radio enthusiasts who are interested in comparing reception conditions, reporting new loggings, etc. There is no membership fee, and anyone contributing notes of interest automatically becomes a member.

Identification Wanted

ON January 13 I heard a station on 1200 k.c. (250 metres). Strength R3-5, for the most part mushy. Announcer spoke about a place in South Dakota and mentioned that the station was on a special test programme authorised by the Federal Radio Commission. He then mentioned Chicago, operating on a frequency of 1200 k.c. (250 metres) on a power of 100 watts. One item played just before closing down was a gramophone record, "The Morning After the Night Before, With You." Closed down at 8 o'clock N.Z.S.T. after asking for reception reports. Call sounded something like "KGBY." A station a few kilocycles below this was heard closing down a little later. "Operating on a frequency of 1200 k.c. (250 m.) by authority of Federal Radio Commission. Station K—" (call sign in three letters). He said something about a valley and remarked that he was closing down until 7 o'clock the following morning.—W.S.K. (Nelson).

STATION on approximately 1440 k.c. (208 metres), heard frequently of late after 11 p.m. I once heard a talk on gardening, but talks are usually on Scripture. On January 12 at 11.10 p.m. someone was reading from the 22nd Chapter of Genesis.—W.H.R. (Dunedin)

ARE there any short-wave stations in Hawaii? If so, on what frequencies do they operate?—B.C. (Hamilton).

WHAT is the call-sign of the Auburn Motor Company's station on 1000 k.c. (300 metres)? Also of the Theosophical Society's station in Sydney?—J.E. (Tauranga).

[Call-sign of latter is 2GB. Address: Theosophical Broadcasting Station Ltd., Adyar House, 29 Bligh Street, Sydney.—Ed.]

Stations Identified

R.J.R. (P.N.): 3KZ, Carlton, Victoria, operating on 222 metres (1350 k.c.). He announces "3KZ, Melbourne." After the "Song of the Dawn," an orchestral item, "The Toy-maker's Dream," was played. This was followed by a vocal number, and the station closed down at 12.55 a.m. **B.W. (Stratford):** Station heard was 3KZ. Particulars as above. Re Japanese or Chinese station on 490 metres (610 k.c.), as you remark, it is very close to 3AR. I logged him

News and Views of the D.X. CLUB

on November 3 at 1.50 a.m., and heard the call "JOAK" twice repeated. On November 6 at 2 a.m. I heard on 422 metres (710 k.c.) the call "JOAK." He was just below 6WF, Perth. I logged him again on December 28 at 12.32 a.m., when the announcer gave the call "JOJK." Station was operating on 490 metres (610 k.c.). JOJK and JOAK evidently relay one another's programmes, and at the same time alter their frequencies. The former station appears to be a one-man show—one hears nothing else but the slow and deliberate talking of the announcer. He seems to have a bad cold, because between the talking he coughs quite a lot.—Barl J. Haynes (Christchurch).

"FOREIGN" (Wellington): You probably heard KFVD on 1000 k.c. (300 m.) broadcasting a special session of Spanish items and giving announcements in that tongue, as previous to the date you mention I once heard a similar programme and thought I had a Mexican station. However, on December 25 at 7 p.m. onward I logged what I thought was Mexican on or near 1020 k.c. (293 m.). I could not catch the call letters, as the announcer spoke too fast. His frequency is identical with 2UE, Sydney. I have just received a verification from KGGF, Coffeyville, Kansas, my report being their first overseas one.—C. V. Blucher (N. Auckland).

DX Topics

Particulars of WMBI.

I HAVE just received a verification from WMBI, Chicago, which operates on 1080 k.c. (278 metres), with a power of 5 k.w. This station is run on purely religious lines and broadcasts services only at the rate of five a day. Address: Moody Bible Institute, Radio Department, 153 Institute Place, Chicago. Re controversy on power of KTM. I have a verification dated November 12 in which they state their power is 500 watts, but I also have to hand the December number of the American "Radio Digest," which gives their power as 1 k.w. The station heard by "Switch" and "Jaka" (Wellington) is KZRM, Manila. On January 3 I listened to him for an hour and a half, but he omitted to give his station call until the last item. He closed down at 2.50 a.m. He operates right on 3AR's frequency.—J.P.C. (P.N.).

WCCO's Address.

THE address of WCCO, taken from a recent verification, is: WCCO (Gold Medal Flour), North-western Broadcasting, Inc., Minneapolis, Minnesota. He operates on 370 metres (810 k.c.)—"Red Bird" (Wellington).

News from KFVD.

KFVD transmits from the Hal Roach Studios on 299.8m. (1000 k.c.), with a power of 250 watts. Culver City is seven miles from Los Angeles, and is

between the latter and Venice, one of the principal beaches of California. At Culver City are located the Hal Roach studios, and also the big Metro-Goldwyn-Mayer studios. I receive this station at about R9 on the speaker fairly often.—K.D.B. (Taumarunui).

Power of KTM.

H. WALKER (Bluff): I have just received the latest Pacific Call Book, and this states that KTM uses 1 watt in the daytime, and at sunset drops to 500w., so that when DXers log KTM they are logging a 500-watts station.—S. Ellis (Okato).

A New Australian "B."

IN a recent issue a correspondent stated that 3WR, Wangaratta, would be on the air in a few weeks. I picked this station up on December 31. He was so close to 2NC that I had to wait until the latter closed down before I could hear what was going on. The following night 2MV was very strong, and I logged 2AY, Albury, between KGMB and 3BA, Ballarat. On January 2, at 1.30 a.m., I heard Radio Manila on about 483 metres (620 k.c.) Music was audible about 50 feet from the speaker. The same evening I logged an American on 535 metres heterodyning JOJK. Just after the latter closed down I heard the announcer refer to the weather re-

port for Louisiana. This is probably KWKH, Shreveport, on 352.7 metres (850 k.c.). Incidentally the station I mentioned in January 9 issue as transmitting a metre or two above KNX, is KFKB, not KFKZ.—"Ray Dio" (Shannon).

Verification News.

THE following is an extract from a letter dated November 25, which I received a few days ago: "KTM operates an 780 k.c. (384.4m.), with 500 watts power, and is owned and operated by the Pickwick Broadcasting Corporation." I also received by the same mail letters and cards from KBX, KSL, and WMAQ. The latter I have not seen reported by DXers for some time. I have been able to get him only when 2FO is silent, as these two stations are very close in frequency.—"Kohi" (Auckland).

Good DX-ing.

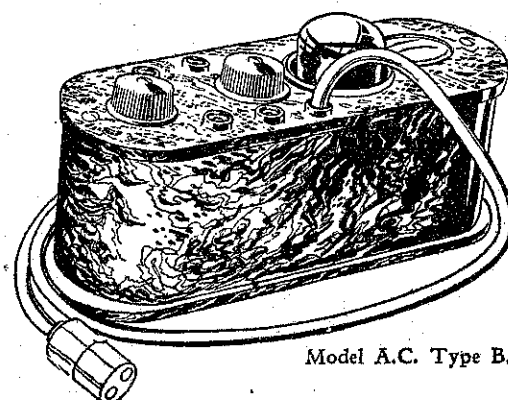
RE station on 3AR's wavelength (484 metres), as mentioned by "Switch" in his notes in the issue of 9/1/31. I picked this up at 2.3 a.m., January 4. Heavy static and long fades. Station was on records and I identified "If I were a King" and "Dancing with Tears in My Eyes." Static, fading and morse made it difficult to get his call, which I thought to be KGW. Have written him to see if this was correct, or only my DX receiver, which is an optimistic detector plus two stages of imagination.—"Cromdale" (Otago).

Christmas Reception Conditions.

A MERCIAN reception during December and the Christmas holidays has been the best I have known during my four years of listening. I have logged 18 new American stations, including WPG, Atlantic City, N.J., and the

Don't Bother with Batteries

Why bother with troublesome and expensive "B" batteries when a Lissen H.T. Eliminator will supply your radio with a steady, economical flow of "B" current? Exceptionally reliable, strongly constructed, and housed in Bakelite casing,



Model A.C. Type B.

a Lissen Eliminator will give maximum voltage at all times.

A.C. Type A., £4/5/-

A.C. Type B (with voltage controls), £5/10/-

Both for operation on 230 volts A.C.

D.C. Type A., £2/2/-

D.C. Type B. (with voltage controls) £3

For operation from 230 volts D.C.

See your Radio dealer today and find out which model is suitable to your requirements. If you have any difficulty write to the—

N.Z. Distributors:

ABEL, SMEETON, LTD.

27-29 Customs St. East,
AUCKLAND.

LISSEN

H.T. ELIMINATORS

100-watters KMJ, KGFJ, Cal., and KGBY, South Dakota. Also 250-watters in Vancouver, British Columbia, namely, CJOR and CKMO, and two Mexican stations, one on 1140 k.c. (263 metres), giving a call that sounded like XAH. It was probably XEA. The other was on 1020 k.c. (294 metres), but the call was too difficult to catch. B.W. (Stratford): I heard the Melbourne station and also assumed the call to be 8KZ. I am still using a four-valve regenerative set of popular make and have identified over 130 American stations. Many thanks to Guy C. Holmes for his good wishes to fellow DX-ers.—C. V. Blucher (N. Auckland).

Another New Australian B.

R. J.R. (P.N.): I have not logged the new Canberra station yet, but you appear to have heard it fairly definitely. From information I have received, their call should be 2CA, Canberra, operating on 480 metres (625 k.c.), but until the station was officially opened they would be broadcasting from VK2LE on 1050 k.c. (286 metres). I have heard a station interfering with 2ZF lately and I think it is KNX. J.P.C. (P.N.): Reception has been very noisy during the last week and consequently I have had no trace of the station on 610 k.c. (492 metres). The last time I heard them I listened for half an hour, but no call sign was given. I think you will find the Moss Vale station's call is 2MV. Your locality appears to be ideal for American reception. "Ray Dio" (Shannon): Probably a printer's error. "N.Z." at the conclusion of 3KZ's address is certainly wrong.—B.W. (Stratford).

[3KZ's address is: Industrial Printing and Publishing Coy., 24-30 Victoria Street, Carlton, N.S.—Ed.]

An Often-Hard American.

I NOTICE that "Kia Ora" (Frankton) has been receiving KFKB, Milford, Kansas, very well of late. I received this station very clear on my loudspeaker one night about 11 p.m. On looking up the time on the DX clock I made it out about 4.30 a.m. there, so I came to the conclu-

sion that someone was "pulling my leg." Are these American stations on the air all night?—"New Chum" (Napier).

[Not as a general rule, though quite often certain stations will stay on the air all night either for testing purposes or for broadcasting special programmes for overseas listeners.—Ed.]

News From Siam.

THE following is an extract from a letter received from short-wave station HS4PJ, Siam:—"On the evening in question we were testing our telephony communication with Berlin from our HSJ station on a wavelength of 18.7 metres, power being 20kw. I may also mention that we rarely use HS4PJ now, and we use HS2PJ as our broadcasting station or short-wave. The transmission from this latter station is carried out every Monday evening from 18.00 to 16.00 G.M.T., on a wavelength of 29.5 metres. Power 500 watts. Reports on reception would be greatly appreciated. Telegraphic address: "Telepost," Bangkok, Siam.—J.O. (New Plymouth).

A Suggestion for the Competition.

COULD the DX competition rules be amended to exclude the Australian B class stations? With the advent of all the new Bs across the Tasman, much unnecessary correspondence will be occasioned as the majority of them are receivable by any valve set in a fair location. The V.K. experimental stations also entail a lot of late hours, which I think is a contributing factor toward a falling-off of the enthusiasm which we all feel at the start of a competition. It is really a heart-breaking proposition when one looks forward to all the Aussies one will have to write to for the next competition.—V. Cuncliffe (Tasman).

[Your suggestion is not without merit, though some of the lower-powered B class Australians are not easy to log. What do other DX-ers think?—Ed.]

On Short-waves.

THE station heard by Mr. Sellens on approximately 47m. and identified

Laboratory Jottings

Gulbransen Radio

MESSRS. H. W. CLARKE, LTD., have sent for test their two new Gulbransen models, the Champion Highboy and the Champion, Lowboy. These have been in use for quite a few weeks, and we have consequently been able to make a thorough examination of these new models. Both use screen-grid radio frequency valves, but the large model, the Highboy, has one stage more r.f. than the Lowboy, and uses a 227 as power detector. Other than this the circuits are the same. In the Lowboy is a screen-grid detector which feeds into two 245 valves in push-pull through a stage of 227.

The Lowboy is much smaller than the Highboy, but is very neat and efficient, and we were rather surprised

by another listener as CT8AG, is correct. It is situated at Funchal, Madeira Is., and is on the air Fridays and Sundays, 11 a.m.-2 p.m. New Zealand summer time. In January 2 issue Mr. Sellens heard a station on 49.9m. in the morning. According to information received this is VQYLO, Nairobi. It broadcasts on 50m. now daily, 4-7 a.m. N.Z.S.T. The Rome station known as I3RO has now changed its call to I2RO and transmits on 80m. (?), 4-6 a.m. and 7.30-10 a.m. The address is: "Via Maria Cristina, 5, Rome, Italy." Station HS1PJ is experimenting irregularly on 37.6m., with a power of 60 kw. The address of Morocco stations is. "Director de Office de Postes, Des Telegraphies et Telephones, Rabat, Morocco."—"ZLDX" (Palmerston N.).

The DX Competition

SOME excellent logs were received for the above, and the winner has been chosen. As soon as the latter's verifications have been received and checked, a further announcement will be made.

at its distance-getting abilities. Although at the present season the Australian stations are well below normal, it was able to bring them in at quite comfortable strength.

We heard the Japs. regularly, and when making comparisons with our standard, we found that it lost very little through having only two stages of screen-grid radio frequency. So far as New Zealand stations are concerned, it brought in the main YA stations in addition to Wanganui and an occasional Dunedin station in the daytime. At night the B stations came in very well.

We liked very much the tone of the Lowboy. If anything it was slightly deeper than that of the Highboy though it lost nothing in the higher frequencies.

Incorporated in the Highboy and the Lowboy is one of the new features for the 1931 season, that is, a tone control. This comprises a resistance, and a condenser shunted across the grids of the push-pull valves. By varying this a good percentage of the high frequency notes can be eliminated, giving the bass greater prominence than it would otherwise have. Tone controls are interesting features and no doubt many people will welcome them so that they may obtain whatever balance of bass and treble they require.

Faithful reproductions, however, cannot be had when the higher frequencies are cut out, and for this reason we did not use the tone control when operating on the local station or for gramophone records. What we did find the control useful for was to cut out during bad conditions a great deal of static and other interference on outside stations.

Stations that could not be listened to with the set in the normal state could be brought in quite well when the tone control was turned round to the bass side.

The volume control of both sets operates in a dual capacity. It varies the coupling between the aerial and earth and also decreases the voltages on the screen-grids of the high-frequency valves. This system, which, by the way, is another feature of this year's models, enables the volume to be turned down considerably without interfering with the quality; in fact, we found that the local station could be heard without removing the aerial, and this is asking a good deal for a modern set.

On the Highboy there is a local and a distance switch which cuts out part of the aerial inductance, so that the set may be used on the local station without overloading.

The selectivity of both sets was such that we could bring in 2FC and 4QG. These, of course, were received with 2YA operating fairly late at night. There was a background to both stations. We consider it is a very selective set that will do this.

Both models are adapted for a gramophone pick-up, and our measured frequency range showed that both brought in all the frequencies, high and low, which go to make up good reproduction. The tone control operates as quickly and efficiently on gramophone as on wireless.

The sensitivity of the Highboy is, as is to be expected, slightly greater than that of the Lowboy. Both receivers should be capable of bringing in the American stations when operated in reasonably favourable localities.

The Highboy consumes 110 watts and the Lowboy 90.

"LYRATONE" The Set with the Lyre on the Speaker

The Production of GILLFILLAN BROS., LOS ANGELES.

1931 MARVEL MIDGET

With the VOLUME, POWER and TONE of a large Console Set

Features:

- Rola Full Tone Dynamic Speaker.
- Four Screen-Grid Valves.
- Six A.C. Valves.
- Shielded Cadmium Plated Steel Chassis.
- Four Tuned Circuits for Extreme Sensitivity.
- Compact Attractive Walnut Cabinet.
- Made under R.C.A. License.

N.Z. Retail Price, £21/15/-

LIBERAL TERMS AND DISCOUNTS TO DEALERS.

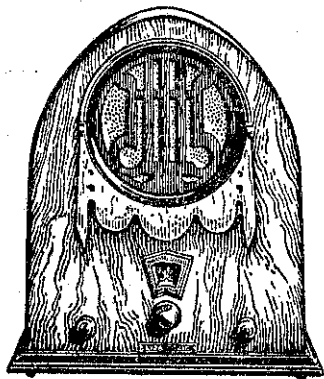
Write, Wire, or 'Phone the Factory Representatives:—

CRAWFORD & FINLAYSON Ltd.

BOX 675

WELLINGTON

'Phone 42-530.



2: I have only four turns on the tickler coil for the 80-metre band, and I still cannot control oscillation. The other coils behave remarkably well.

A.: If you are using tin for shielding this may be the cause. Try aluminium or copper shields, and shield the coils and the screen grid valve separately. Also, try reducing B voltage.

"HAMRAD" (Auckland): What is the size of the variable condenser used in the wave-trap described in a recent issue?—0.005 mfd.

372 (Wellington): My set is difficult to control, and goes into oscillation abruptly.

A.: You appear to have tried all the usual remedies. Try taking the grid leak to A+ instead of having it in parallel with the grid condenser.

"DYNAMO" (Awararino): Enclosed is a plan of my all-wave set. I am troubled with a whistle when using the audio stages.

A.: Your lay-out is a poor one and the whole set should be re-designed.

2: On short-wave I can only receive morse.

A.: An article on short-wave tuning was published recently. This is a much more delicate business than on the broadcast band. Also, it appears, as you are receiving only morse, that your set is oscillating.

3: What stations should I be capable of receiving at speaker strength? I can receive only 2YA.

A.: With an efficient aerial and earth system, the New Zealand "A" class stations, and some of the more powerful Australians.

4: How can I improve my set?

A.: Re-design and re-build it.

5: Would it be an improvement to have more than 80 volts on the plate?—Yes; try 135.

D. B. (Dunedin): Would the chemical rectifier described in the issue dated January 29 for a transmitter be suitable for a receiver?—Yes.

2: Is the solution made up of ordinary borax?—Yes.

3: Is it necessary to use distilled water in mixing it?

A.: Yes, or you could use rain water.

4: Are the condensers used on motor ignition systems suitable for use in radio sets?

A.: Yes. They have a capacity of about 2 mfd.

"INQUISITIVE" (Motueka): Should I receive 2YA on the phones using the "Differential One"?

A.: Yes, quite easily.

2: What would be the approximate cost of the "One" and the "Two"?

A.: The "One" about £3/10/- The "Two" about £5.

3: Where could I obtain some old five-pronged valves for the coils?

A.: Any city dealer would probably supply you.

J. H. G. (Hawke's Bay): I am not too clear on how to connect up the rheostat in the "Differential One."

A.: You mount a 30-ohm rheostat on the panel, as shown in the photo graph. Leave out the amperite and connect the wires that should have gone to the amperite one on either side of the rheostat, that is to say, one side of the rheostat connects with the switch and the other side with A+ or the valve holder.

2: In your diagram, A+ is connected with the switch and B+ and B- together. Is this right?

A.: Yes, it is quite usual for small sets to be designed like this.

3: What value should the rheostat be?—30 ohms.

4: Could I get Wellington on this set 12 miles north of Dannevirke?

A.: On the phones, yes.

"WIRE" (Wellington). I have two .0003 variable condensers with 17

A.: It is suitable, but rather too long.

4: How long should my "A" and "B" batteries last on a one-valve set, using it two hours a day?

A.: "A" batteries, four or five months; "B" batteries, ten to twelve months.

3: What Australian stations should I get at this time of the year?

A.: At least 2FC and 2BL, and probably 3LO and 4QG, as well as some of the smaller stations.

"TUNGA" (Wanganui): Could I use a tungar bulb to use a "B" charger?—Yes.

2: What filament voltage would it use?—2½ volts.

3: How many electric light bulbs would I need to connect to charge 120 volts of accumulator?

A.: You must use a transformer or you will be falling foul of the regulations.

4: Could I use a wet rectifier and light bulbs as resistances?

A.: Only if a transformer is used first.

"TEMP" (Chch.): I have completed a Loftin-White amplifier. With a coil and condenser across the input it gives excellent reproduction of the local stations. Before I used the amplifier continually I would like your opinion on the following points:—

1: The insulation between the rectifier filament winding and the secondary winding has broken down, so, having two spare 2½-volt windings on the transformer, I joined these to give me a five-volt centre tap winding to use for the rectifier filament. Will the winding, being on the outside, affect the efficiency and will the faulty winding be O.K. if left dead?

A.: The rectifier, being outside, will be quite O.K. The faulty winding, providing it is not short-circuiting, will not take harm.

2: Can I put two more filament windings on top of the present rectifier filament without introducing complications?—Yes.

3: The main chain of resistances, especially the 5,500 ohms wire wound one, warms up slightly.

A.: This is quite usual.

4: The 245 and 280 valves get hot. Is this due to heavy filament current or high plate voltage?

A.: To both. It is quite in order.

"TUFF" (Kuwrow): How can the capacity of a variable condenser be determined?

A.: From a table given in last year's "Radio Guide."

2: I have two condensers in a short-wave adapter and would like to know if they would be suitable for use in the "Differential One."

A.: Yes, if they are of the correct capacity.

3: When using my short-wave adapter it will oscillate only with defective valves.

A.: Try varying the plate voltage and the number of turns on the tickler.

4: What is the address of ZLABS?

A.: We do not know. Perhaps some reader will assist.

R. T. D. (Auckland): My nine-valve commercial set has been out of order for some months. The agent has fixed it several times, but a few days later it goes wrong again. The

RADIO DIRECTORY

What to Buy and Where

CITIES

ACE and HAMMARLUND SETS,	Johns, Ltd.
WESTINGHOUSE Rectifiers	Chancery Street, Auckland.
BROWNING DRAKE SPECIALISTS	F. J. W. Fear & Co. 63 Willis Street, Wellington.
BURGESS RADIO BATTERIES,	All Radio Dealers.
KING RADIO RECEIVERS	F. J. W. Fear & Co., 63 Willis Street, Wellington.
LOFTIN-WHITE AMPLIFIERS	Stewart Hardware Ltd., Courtenay Place, Wellington.
MAJESTIC RADIO RECEIVERS	Kirkcaldie & Stains, Wellington Agents, Lambton Quay.
MULLARD VALVES	All Radio Dealers.
PILOT 1930 PARTS—PILOT SUPER WASP KITS, GILFILLAN, KELLOGG and AT-WATER KENT SETS	Harrington's, N.Z., Ltd., 138-140 Queen St., Auckland. 40-42 Willis St., Wellington.
RADIOLA RECEIVERS and Expert Radiola Service.	Farmers' Trading Co., Ltd., Hobson Street Auckland.
STEINITE RADIO	G. G. Macquarrie, Ltd., 120 Willis St., Wellington.

COUNTRY TOWNS

MAJESTIC	Radio House, Hamilton. G. S. Anchor, Manager.
PHILIPS VALVES AND APPARATUS	All Good Radio Dealers.



MARION IRVING,
a well-known 1YA elocutionist.
—S. P. Andrew, photo.

plates in each. How many plates will I have to take out of each to make a .00025 and a .00014?

A.: Reduce the first to thirteen plates and the second to eight. In the latter take out each alternate plate.

2: Could you give me the size of coils to match these condensers?

A.: A table will be published next week.

3: What is the valve combination used in the 5-valve B.D.?

A.: Two 112A type valves, r.f., 615 type special detector, a 112A type first audio, and a 171 or 605 type, second audio.

"WIRELESS" (Invercargill): There are 25 turns upon my primary and I have taken tappings out of every five. The set will not work from the taps, so I use only ten turns. Why?

A.: It appears that there is a broken connection somewhere.

2: Is a choke necessary in the single valve set described in the 1930 "Guide"?

A.: It is preferable to use one.

3: For my earth, which is about 30ft. away, I use an ordinary cold water tap. Is this suitable?

valves have been tested. The agent thinks the trouble is caused when the lightning arrester gets damp.

A.: Take out the lightning arrester and see if reception improves. Again, a defective transformer may be causing the trouble; also, ask your local Power Board to test the line voltage for fluctuations. Otherwise, communicate with Frank Wiseman, Queen Street, Auckland.

W.G. (Petone): Power interference is very bad on my a.c. Would it be as bad on a battery set?

A.: Probably not, unless the battery set were as strong as the a.c. set. Power noise is caused not because the set is a.c. (unless it is being brought in through the mains), but because it has so many stages of amplification.

2: Would I get the trouble on a short-wave set?

A.: Not to the same degree as with a broadcast set.

I HAVE added another valve to my three-valve set, but the "B" batteries appear to run down too quickly.

A.: Are you sure the bias is correct? You should have about $4\frac{1}{2}$ volts in the last valve. Just check your connections to see that there is not a broken-down connection or any other fault.

2: The set plops in and out of oscillation.

A.: This points to some trouble in the set other than in the last audio stage. Try a different valve grid leak, say 5 megs. and a .00085 grid condenser.

3: Could I employ a pentode in the last stage?

A.: A pentode is not particularly satisfactory for a circuit such as yours. A high gain power valve of the B605 type would be better.

4: Could I use another stage of h.f. screen grid?

A.: It would be better if you wanted to do this to construct the five-valve screen grid set we are describing shortly. You could use the parts in your kit set in this receiver.

5: Could I use Mack's short-wave adapter with this set?—Yes.

H.S. (Te Awamutu): Write to Fear & Co., Willis Street, Wellington, who may be able to help you.

"HAMROD" (Northcote): When a short-wave adapter is plugged into my four-valve set I get a hum in the loudspeaker, and it is impossible to tune in any stations.

A.: Examine the grid circuits of the amplifier and see if the "C" battery is not dead. Try another valve of radio frequency choke, otherwise everything seems quite in order, except that you

may use a 1-mfd. condenser between A— and B+ detector.

2: I am using a twin aerial of the L type. Is it O.K.?

A.: Yes, it is quite a good aerial, though you are not gaining a great deal by having it twin wired, as the single wire amounts to 100 feet.

3: Would a two-stage amplifier and a separate unit be better than altering the present broadcast set?—Yes.

4: Could any additional screening be used on the broadcast set to make it more selective? I cannot cut out Brisbane and get Japan.

A.: Your only chance of making the set more selective would be to use a smaller aerial or a .00025 condenser in the aerial. Another method would be to couple the aerial more loosely.

J.W.D. (Timaru): Can I use a speaker field to break down 480 volts to 433?

A.: No, the speakers require a bigger voltage drop than this. Use a 1,500-ohm resistance.

2: Could I wind a choke upon the iron, a sample of which I enclose?

A.: No, it is much too small.

"OMAR" (Wellington): I have a 1.3 amps charger. How often will I have to charge my "A" battery running a two-valve set using 201A type valves on an average of 30 hours per week?

A.: Every three weeks, but as you have a charger, every week would be safer.

2: Could I overcharge my battery?

A.: No; the accumulator will bubble when it is fully charged.

3: Would the charger keep my "A" battery charged using a moving coil 6-volt speaker and the two-valve set on an average of 18 hours per week, the "A" battery to supply the speaker with field current?

A.: Yes. The charging time will depend upon the speaker used, but on the average for every hour the set is in use the battery should be charged for $1\frac{1}{2}$ hours. It should be charged after use each day, if possible.

K.S.J. (New Plymouth): I have a commercially-made six-valve set, originally designed as a battery model. Prior to purchasing it, however, it was converted to an all-electric by the use of an eliminator. When purchased the set was fitted with American valves. After a time I replaced these with another make and then discovered that I could not control volume. I have since been using the following combination: four 201A's, one A615, and one C603. Is the above combination harmful to my set?

A.: No. Have you correct bias on the C603?

2: I recently replaced a failing 201A with an A609 and volume improved appreciably. Would this alteration be harmful?—No.

"KAREHANA" (Wellington): I am having difficulty with the coils of my four-valve short-wave set, which works very well on wavelengths from 100 down to 22, but does not operate with the coils intended to work below that wavelength. The present coils are in accordance with the given specifications.

A.: For the 15-28 metre band reduce the turns on the aerial coil from $5\frac{1}{2}$ to 4, and increase those on the reaction from $5\frac{1}{2}$ to 6. Otherwise cut out the aerial coil and use a midget condenser (.000015) in the aerial circuit. This, however, is not usually needed when the aerial coil is used.

2: The 50-100 metre coils and the upper parts of the 31 to 54 metre coils work on 22½ volts or less, but the lower wavelength coils require between 22½ and 45 volts.



D. YOUNG,
a very pleasing 4YA soprano.
—Photo by Torquist.

A.: Use as high a voltage as is consistent with good control of oscillation.

3: I use a 20,000 ohm variable resistance in the B lead to the detector.

A.: This should be 200,000 ohms.

4: I have made up the coils supposed to give 9-15 metres in accordance with specifications. These will not oscillate at all except over part of the detector dial when using 90 volts plate.

A.: Reduce the turns on the aerial coil from $2\frac{1}{2}$ to $1\frac{1}{2}$, those on the tuned anode from $2\frac{1}{2}$ to 2, and increase those on reaction from $2\frac{1}{2}$ to 4. Try placing the aerial wire close to the set (after disconnecting it from the aerial terminal), about 4ft. away, as coupling is evidently too tight. Advance reaction full on and leave for five minutes or so, when the set should oscillate.

Note: You did not state the size of your grid condensers.

6: I have made up the coils for 320 to 550 metres band described in the issue dated September 26, using extensions four inches high, which come up to the lid of the receiver. The diameter of the extension is $1\frac{1}{2}$ in. I cannot obtain the specified wire, but have used 30 d.s.c. for the upper coils (aerial and tuned anode) and 40 d.s.c. in the lower. I have made both

r.f. and detector coils alike, using 181 turns of 30 d.s.c. for the aerial and tuned anode coils, to allow for the difference of wire, and 50 turns of d.s.c. for the grid and reaction coils.

A.: This should read grid and tuned anode, and aerial and reaction.

7: There is hardly any room on the formers to wind them all flat, so I have wound the 181 turns in three layers of 60 turns each, and the 50 turns in the usual way.

A.: Wind the tuned anode and the grid coils flat. The reaction and aerial jumble or bank wound. Keep the aerial away from the grid. Tuned anode and grid coils wound with 30 d.s.c. will measure out at 66 turns per inch, and aerial and reaction wound with 40 d.s.c. 142 turns per inch.

8: These coils will oscillate on all wavelengths except the highest and should therefore receive some stations, but I could find none. There is not even a sound from 2YA, so there must be something radically wrong.

A.: Rewind the coils, as indicated above.

9: I notice that you will shortly be publishing data for .0001 condensers for this set, but I expect these will be different from those already calculated for the .00015 condensers.

A.: No, there will not be much difference.

Amateur Electricians

B350 writes: Referring to paragraph commencing "The Underwriters' Regulations," page 12, in the issue of Friday, 16th inst., reference is made to "an expert" making dry joints, etc., etc. As a suggestion, why not have followed it up with something like this: "Listeners would be well advised when requiring any electrical work done to secure the services of a registered electrical wireman and not the local grocer or garage mechanic." A registered electrical wireman's license is at stake should he do anything in the way of "rough work." By securing his services the purchaser of a radio set is guaranteed a proper and safe electrical job.

"Radio Record and Electric Home Journal"?

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

**NO UNEMPLOYMENT
IN THIS CAREER!**

There's remunerative employment waiting for qualified wireless men on shore and ship. Johnson's Wireless School takes you up to 1st or 2nd Certificate Examination Standard by easy progressive stages. Write for particulars.

Day and night classes for Proficiency Certificates, Correspondence classes for Proficiency Certificates. Correspondence classes for Amateurs and others.

JOHNSON'S WIRELESS SCHOOL

St. George's Buildings,
3-10 Brandon Street,
Wellington.



PORTABLE RADIO SETS

for

Holidays and Camping

5-Valve Sets, complete £16/12/6

Transportable Models £21/5/-

Unspillable Accumulators, B Batteries, etc.

A. E. STRANGE

Telephone 36-774

404 WORCESTER ST., CHRISTCHURCH.

THE intervention of the holidays has delayed the continuation of the description of this popular "Differential One" receiver. However, here are the specifications of the short-wave coils:—

BAND.	L1.	L2.	L3.
60-100 metres	6	30	8
30- 60 metres	3	14	6
15- 30 metres	2	5	3
8- 15 metres	1	3	3

THESE windings should be made with 26 or 28 D.S.C. wire. Except in the case of the 60-100-metres F B coil.

Parts List for "Differential Two."

.00035 Fixed Condenser.
Differential Condenser.
.00025 Fixed Condenser.
.0001 mfd. Fixed Condenser.
Switch.
H.F. Choke.
2 meg. Grid Leak.
2 Valve Holders.
Dozen Terminals.
Panel, 18in. x 7in.
Valve Base Coils.
Audio Transformer.
One 50,000 ohms. Decoupling Resistance.
One 2 mfd. Condenser.

room can be found on the valve base itself for all the windings if they are not separated from each other more than 1-8-inch or so. The 80-metre coil, however, will probably have to be wound on a former of the type described for the broadcast coil, unless the constructor cares to experiment with finer wire. The 8-15-metre coil is intended to have its tuning turns (L2) spaced to the extent of 1-8-inch or so between turns; all the others are close wound.

The description of the broadcast coil was made in such detail that it should be unnecessary to say more here than that the short-wave coils are wound in an exactly similar fashion. Reference should be made to Fig. 3 in the article appearing on December 26 last, where all the connections are shown diagrammatically.

Use as Short-wave Adapter.

INQUIRIES have already reached us as to the practicability of using the "Differential One" as a short-wave adapter. This can readily be arranged. It is probable that an adapter based on the design of this receiver will be published shortly, and this, of course, will be arranged in a properly compact manner. In the meantime, however, a few notes on the minor changes necessary to use the "Differential One" as an adapter will no doubt be appreciated.

In the first place, of course, the broadcast coil will not be required. Neither will the filament switch, so that a wire may be run direct between the A+ terminal and the moving plate of the differential condenser instead of taking the same path via the switch.

The next step is to prepare the plug for inserting into the detector valve-holder of the broadcast set. A burnt-out valve having the same type of base as the detector valve normally used must have the bulb removed, preferably by using methylated spirits as a solvent for the cement. Three flex leads should then be soldered to the pins, the three pins used being the plate pins and the two filament pins. It will usually be found that the pins are hollow, and thin leads may be run down them and soldered at the tips. After the flex has been properly soldered in position, melted paraffin wax may be run into the valve base to lend a certain degree of mechanical strength to the assembly.

The piece of flex which makes connection with the plate pin on the valve base should now be connected to the terminal marked "Phones" "Differential One." The other two

lengths of flex are to be connected with the terminals marked "A—" and "A+." It will be necessary to make sure, however, that the pin on the valve-base adapter which connects with the "A+" terminal makes contact with the actual A positive socket on the detector valve-holder of the broadcast set. It is not always safe to trust to the markings on the valve-holder in this connection. However, it is some consolation to reflect that no harm will be done if this connection is wrong except to the performance of the adapter so that it is even possible to achieve the correct connection by a process of trial and error if the broadcast set is too inaccessible for proper investigation.

In case this description is not absolutely clear, the necessary connections have been shown in theoretical form in Fig. 1. If, now, the valve-base adapter is plugged in in place of the detector valve of the broadcast set and the aerial and earth changed over from broadcast set to short-wave adapter, there should be no difficulty in tuning in both morse and short-wave broadcast. For the reception of morse, the adapter should be just oscillating, and for the reception of music it should be just on the verge of oscillation.

The "Differential Two."

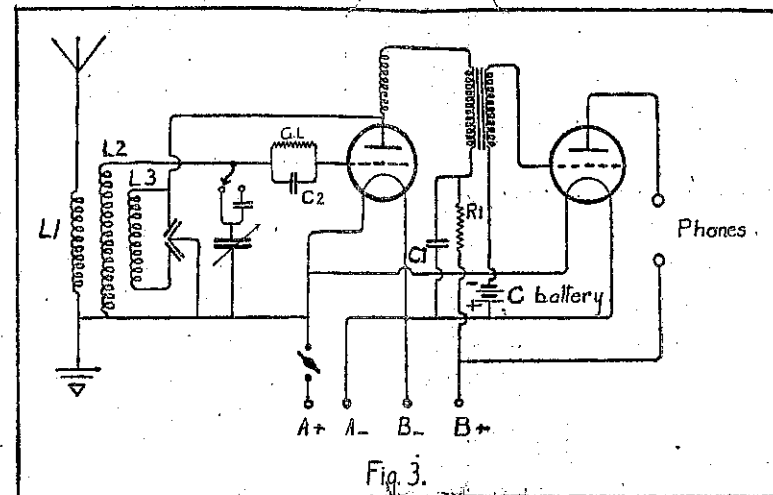
IT has often occurred to the writer that the ideal method of constructing a multi-stage receiver is to make a start with the detector alone, subsequently adding the other stages one by one. By this means one is enabled, if perfection is not attained at once, to search for any fault in a strictly localised area. When it is known that a fault lies in one of three or four components or their connections, it is not usually a difficult matter to find it. Where, however, one is faced with the problem of finding a fault in a complete four or five-valve receiver, one's logic is apt to be falsified by a confusion of causes and effects.

This has been one of the considerations which prompted the description of the "Differential" receiver in the form which it has taken. Those numerous readers who have constructed the "Differential One" have had little or no difficulty in securing its perfect operation. If they had had a four-valve receiver to wrestle with from the commencement, it is possible that they would never have had their detector stage operating at the summit of efficiency which they have now attained. Now, with the detector operating smoothly both on broadcast and on short-wave bands, it is time to consid-

And now . . .

The "Differential" T

Short Wave Coils for "Differential One"



er the addition of the first audio amplifying stage.

For the conversion of the "Differential One" to the "Differential Two" four additional pieces of apparatus are required. These are as follow:—

1 Audio-frequency transformer (see text).

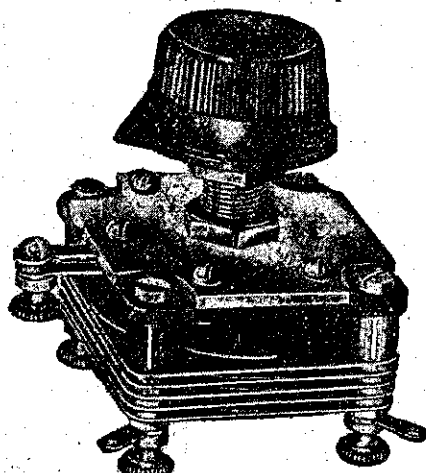
- 1 Valve-holder.
- 1 50,000 ohm. resistance.
- 1 2 mfd. condenser.

The receiver is worth putting a high-quality transformer in. It is recom-

ended that this should be of a ratio not greater than 3.5 to 1, although if it is not intended to add the second audio stage later on, it is permissible to use a transformer of higher ratio, say, 5 to 1. Incidentally, in case any one should be tempted to buy two transformers of the one type in readiness for the addition of a second stage, it is well to mention that it is inadvisable to use two identical transformers in a two-stage amplifier owing to the danger of peaks being apparent

The "Differential" Series

Are Easily the Most Popular Sets yet. Study these Prices.



Lotus Differential Condenser.

Kit for Differential One, complete Set (broadcast fixed coil only). Good components, with Valve A415 £3/5/-

With Plug-in Coils and Adaptations, as specified in "R.R." for all wavelengths £4/5/-

Kit for Differential Two (complete Set) broadcast, fixed coil. Good components. Valves A415, B409 £5/5/-

With Plug-in Coils, etc. £6/5/-

Other Kits and Prices on Application.

Lotus Differential Condensers (English) 8/-

Batteries for "Differential Series." "Full o' Power" 60-volt. (ideal for purpose) £1

"A" Cells 2/6; 9-volt "C" 2/6.

Phones (Brandes) 15/-

Terms—Cash with Order (please cross Postal Notes). We pay postage.

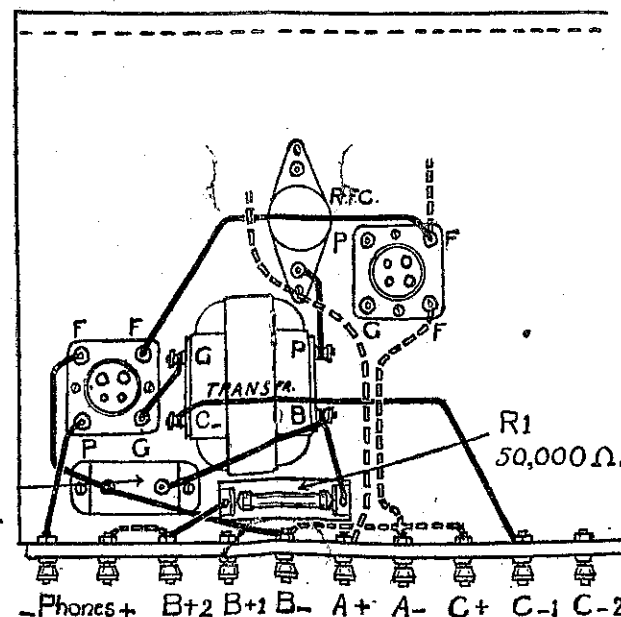
Satisfaction Guaranteed.

C.A.S.

COUNTRY ACCESSORIES SUPPLY

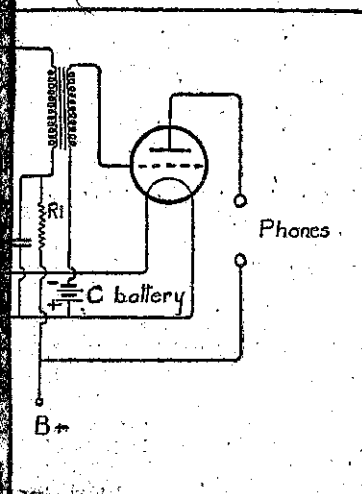
29 VENTNOR STREET, SEATOUN

WELLINGTON.

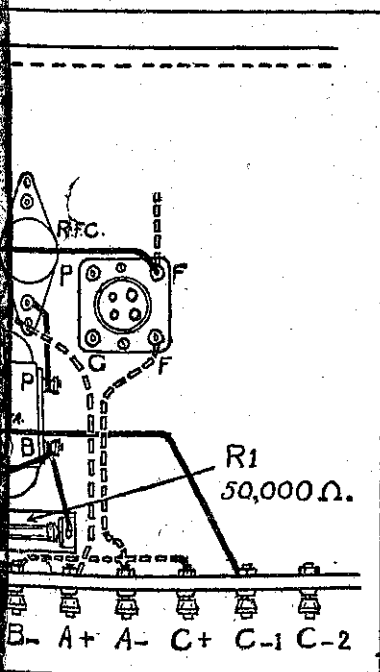


Differential Two

One" By "CATHODE"



recommended that this should be of a ratio not greater than 3.5 to 1, although if it is not intended to add the second audio stage later on, it is permissible to use a transformer of higher ratio, say, 5 to 1. Incidentally, in case anyone should be tempted to buy two transformers of the one type in readiness for the addition of a second audio stage, it is well to mention that it is inadvisable to use two identical transformers in a two-stage amplifier owing to the danger of peaks being apparent



in the output. The two transformers should differ either in make or type.

The filter circuit comprising a 50,000 ohm. plate feed resistance with a 2 mfd. by-pass condenser is intended to prevent back coupling between stages. With this included, there is practically no risk of encountering that distressing audio howl which has been becoming rather common of late. The precaution is perhaps unnecessary, unless a second audio stage is to be added, but there is no doubt that even with the single audio stage tone quality is likely to be improved by the inclusion of these components, which, after all, are not at all costly. It is not absolutely essential that the 50,000 ohm resistance should be wire-wound, although this type is recommended. A metallized cartridge type resistor can be used if cost is very much of a consideration. Avoid carbon resistors, however, as these almost invariably become very noisy after a little use. The 2 mfd. condenser need not have a very high voltage rating, the ordinary Mansbridge or low-voltage foil condensers being quite suitable.

Mounting the Components.

HAVING arrived at the stage of mounting the components, reference should be had to Fig. 2 to aid in the matter of locating them. The previously-mounted valve-holder and high-frequency choke have been drawn in in Fig. 2 as a guide to the situation of the four new components. It may be necessary to bend one or two of the existing wires in order to clear the new apparatus. The only wire which it is necessary to remove, however, is that which runs between the high-frequency choke and the phones (negative) terminal.

With the components firmly mounted, all that remains to be done is to do the additional wiring. As has already been mentioned, one of the existing wires must be removed, or, alternatively, it may be shortened so as to make connection between the H.F. choke and the transformer terminal marked "P" instead of between the chokes and the phones-terminal. Altogether there are eight new wires to be added. These can probably be put on most readily from the diagram, but may subsequently be checked from the following list of connections:—

- (1) From H.F. choke to terminal marked "P" on transformer.
- (2) From filament positive terminal on detector valve-holder to corresponding terminal on newly-mounted first audio valve-holder.
- (3) From terminal marked "G" on transformer to grid terminal on new valve-holder.

(4) From filament negative terminal on new valve-holder to one side of condenser C1, thence to B negative terminal.

(5) From other side of condenser C1 to terminal marked "B" on transformer, thence to one side of resistance R1.

(6) From other side of resistance R1 to B positive terminal.

(7) From plate terminal on new valve-holder to phones negative terminal.

(8) From terminal marked "C" on transformer to C negative terminal.

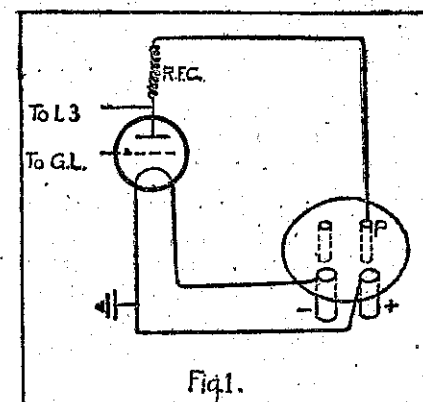
It should be noted that some transformers carry different indicating letters to those shown. The terminal for connection to the succeeding grid is always marked "G" or "Grid." The letter "P," however, is sometimes replaced by the letter "A," the letter "B" by "H.T.," and the letter "C" by "G.B." Before going on to other matters it may be pointed out, too, that the wires shown in dotted lines are those already existing in the "Differential One" itself. Only the heavy black lines represent the new wiring. Comparison with the wiring diagram of the "One" will assist considerably if the constructor is not quite clear on any detail. The complete circuit diagram of the two-valver is also given in Fig. 3 for those who prefer to wire from a theoretical diagram.

Operating the Two-Valver.

THE receiver should now be in working order again and very much more powerful. The B voltage should now be increased to something in the region of 120 volts, although 90 volts or so will give good results if the higher voltage is not available. Provision has now been made, too, for the inclusion of a "C" or grid-bias battery. At present this need only be of 3 or 4½ volts, but a 9-volt battery will come in handy later on for the second audio valve. A new valve will have to be purchased unless a suitable one is on hand. This should be of the L.F. or small power variety, having an impedance between about

6000 and 9000 ohms and an amplification factor between 9 and 15.

If the constructor has faithfully followed instructions, he will now be in possession of a very nice little short-wave receiver. In ease of handling it will be well-nigh unique, as the filter circuit in the plate lead to the detector valve is of great assistance in reducing both back coupling and our old enemy, "threshold howl." Amplification, while already considerable, is not so great as to render it impossible to listen with headphones. Thus, for



long-distance shortwave work, these can be donned and the very most made of the rather astonishing qualities of this little set. Then, for purposes of entertainment, the broadcast coil may be plugged in and the local station put on the loudspeaker.

To get good speaker volume on the outside stations, however, means using the reaction control, and, as this is a thing to be avoided as much as possible, it is recommended that, on the broadcast band, the receiver be used principally for the local station in the meantime. In two or three weeks will follow a description of the addition of a second audio stage and a screen-grid amplifying stage ahead of the detector. Then the constructor will have an excellent long-distance receiver for use both on the broadcast band and on short waves.

The 1931 Browning-Drake is here

Incorporating all the Latest Advancements in Radio.

9 Valves, including Rectifier, 4 stages of R.F. Tuned using S.G. Valves.

Power Detector, using S.G. Valve.

2 Audio Stages, using Push-pull with 245's in the last stage.

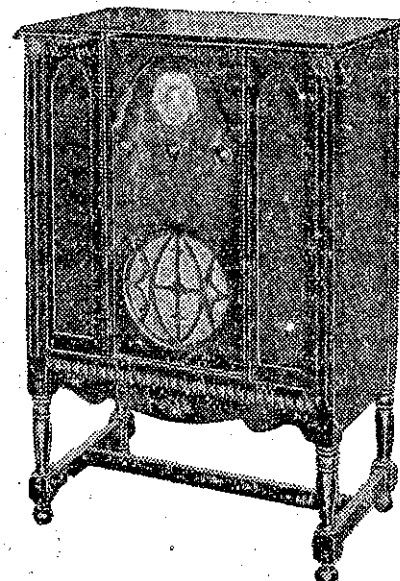
MAGNAVOX DYNAMIC SPEAKER.

A REAL BROWNING-DRAKE PRODUCT.

Arrange for a Demonstration—send for Particulars, Prices, etc.

F. J. W. Fear & Co.
"THE BROWNING-DRAKE SPECIALISTS,"

63 Willis Street. Phone 41-446
WELLINGTON.



FEATURE PEEPS

... at ...

FUTURE PROGRAMMES

SUNDAY

From Auckland

THE evening service will be relayed from the Beresford Street Congregational Church, Auckland, the preacher being the Rev. Albert V. Whiting, the choirmaster Mr. William Gemmell, and the organist Mr. Arthur Cherry. This will be followed by a relay of the Municipal Band concert from Albert Park under the direction of Captain George Buckley.

Wellington Notes

THE service to be held in St. Paul's Pro-Cathedral will be broadcast. The preacher will be Canon Percival James, the organist and choirmaster Mr. Robert Parker, C.M.G. At 8.15 p.m., approximately, a studio programme of high standard will be given by the Orchestra and leading 2YA artists.

Christchurch Topics

THE Rev. R. M. Ryburn will be the preacher at St. Andrew's Presbyterian Church on Sunday evening, when the service will be broadcast. A Woolston Band concert relayed from one of the parks will follow.

Dunedin Broadcast

THE service to be conducted in the Salvation Army Citadel will be on the air. Major Bear, Divisional Commander, will be the preacher. The after-church concert will be provided by the Kaikorai Band, assisted by 4YA artists.

MONDAY

2YA Items

A LECTURETTE that should prove of great interest will be given at 7.40 p.m. by Mr. M. de Montalk on



R. B. MACDONALD,
a fine bass-baritone singing from 4YA
on January 26.
—J. Webster, photo.

"Nieafu." This gentleman is well versed in matters pertaining to the island and was also a member of the recent New Zealand and American Expedition. Mr. Denis Sheard (tenor),

who has just completed a two years' engagement with the Humphrey Bishop Company and has broadcast extensively from 5OL, Adelaide, 2FO Sydney, 8LO, Melbourne, and 4QG, Brisbane, will be introduced to listeners this evening. He will sing "I Hear a Thrush at Eve," "Serenata," and "La Donna e Mobile."

Features from 3YA

THE programme to be presented by Derry's Military Band will be quite equal to the usual standard of this popular combination. Its numbers will include the marches "Entry of the Gladiators" and "Grand Coronation March" (from "Le Prophete"), Elgar's "Salut d'Amour," a selection from "The Merry Widow," and the overture "William Tell." Introduced into the programme will be mouth organ solos by Mr. J. Woodham.

4YA Features

THE vocalists on the programme, which will be of the popular type, will be well-known to the microphone and should provide excellent fare. On the instrumental side of the programme there will be trios and piano solos.

TUESDAY

Auckland Notes

ONE of the fortnightly talks on "Beauty of Mind and Body in Relation to Diet" will be given by Mrs. Les. Crane at 3.15 p.m.

The evening programme contains very many interesting and enjoyable items. A new instrumental combination, the "Whisker Instrumental Quartet," will make a first appearance at 1YA. Consisting of four of Auckland's leading instrumentalists, under the control of Mr. David Whisker, the popular flautist, this quartet should prove most acceptable to listeners.

From 2YA

THE 2YA Salon Orchestra, under Mr. M. T. Dixon, will open 2YA's programme with the rendition of the overture, "Racokzy," by Kela Bela, and during the evening will be heard in a number of interesting selections. Mr. F. H. W. Skinner (tenor), a new-comer to radio, will be heard in three solos, "My Pretty Jane," "My Mary Sweet and Brown," and "Who is Sylvia?"

A series of humorous war anecdotes will be told by Mr. O. P. McKenzie.

Dunedin Features

THE St. Kilda Band, under Mr. James Dixon, will provide the programme

HIGHLIGHTS

Dennis Sheard (tenor)
2YA, Monday

War Anecdotes
2YA, Tuesday

"More Daisies"
4YA, Wednesday

"Pros. and Cons."
1YA, Friday

Old-time Melodies
4YA, Saturday

"Passengers"
2YA, Saturday

this evening, and will be assisted by popular radio artists.

WEDNESDAY

Notes from 1YA

THE Birkenhead Municipal Band, under the baton of Lieutenant J. T. Lighton, will provide the concert programme. Their numbers will include the selection "The Pirates of Penzance" and "Operatic Beauties" (by Greenwood). The vocal portion of the programme will be provided by the



M. T. DIXON,
who will give pianoforte items from
2YA on January 27.
—Hardie Shaw, photo.

HAVE you renewed your subscription to the—

"Radio Record and Electric Home Journal."

12/6 in Advance; 15/- Booked.

BOX 1082, WELLINGTON.

KNOW the time all over the world with a

DX Clock.

9d. Each, Posted.

SPECIAL FOR PORTABLE SETS

45-Volt, only 16/- each. All Tested.

BRIGHT STAR BATTERIES

A compact 45-volt "B" battery which has been specially designed for use in portable radios. Longer life—less space—made for the job.

BRIGHT STAR Standard size "B" Batteries, from 18/6.

4½-Volt Standard "C" Batteries 3/6 each

22½-Volt Standard "B" Batteries 10/6 each

L. B. SCOTT LTD

Box 395
CHRISTCHURCH

New Zealand Four, a quartet of popular male singers.

Christchurch Items

JAZZ songs at the piano by the Joyous Pair, sketches by The Mascots, contralto solos by Miss Kathleen Bond, cornet solos by Mr. R. Ohlsen, and selections by the Studio Octet, under Mr. Harold Beck, will comprise 3YA's popular concert.

From Dunedin

THE talk to be given at 3.15 p.m. from 4YA by the Home Science Extension Department of Otago University will be on "Boys' and Girls' Clubs." At 7.15 p.m. the president of the Dunedin Chamber of Commerce, Mr. A. C. Cameron, will speak on "New Zealand Produce on the World's Markets."

A song cycle by Liza Lehmann, "More Daisies," will be sung by the Harmonists, who will also contribute to the supporting programme.

THURSDAY

Bringing Out Best Points

THE afternoon talk, prepared by the Home Science Extension Department of Otago University, from 1YA, 2YA and 3YA will be on "How to Bring Out Your Best Points."

From 1YA

MR. HAROLD BAXTER and his Orchestral Octet, a very popular combination with 1YA listeners, will present an attractive programme this evening, including a selection from "Iolanthe." Miss Hope Asher, a talented young mezzo-soprano, will be heard in a group of ballads, and a new combination of artists, "The Royal Trio," will broadcast excerpts from the musical comedy "The Bing Boys Are Here." Two short lecture-recitals on the latest recordings will be given by a commentator, and Miss Marian Irving (elocutioniste) will entertain listeners with a group of humorous recitations.

Wellington Features

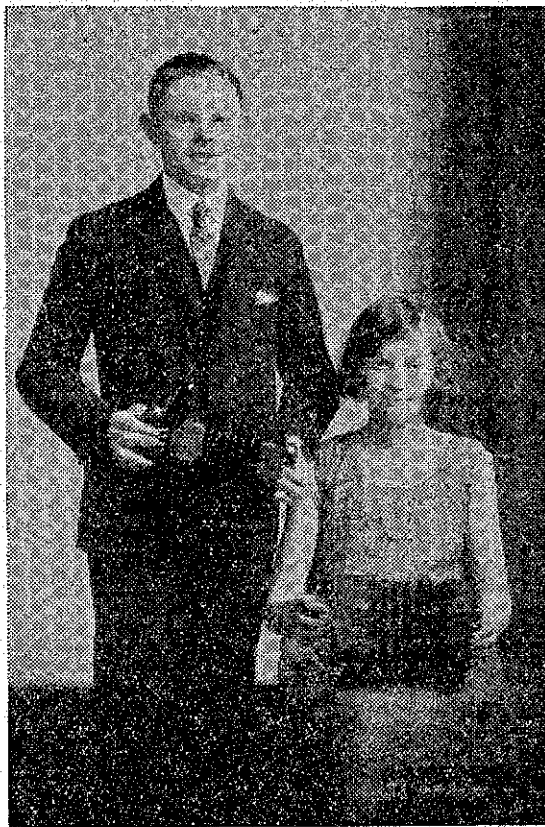
THE concert will be given by the Royal Naval Volunteer Reserve Band and assisting artists. A feature



HAROLD SHAW,

whose elocutionary items are always enjoyed by 3YA listeners.

—Steffano Webb, photo.



THEO AND FRANCES GUNTHER,
two young artists whose concertina numbers are quite a feature of 3YA's programmes.
—Steffano Webb Photo.

of the programme will be the rendition of four songs written by Mr. Joseph W. Carr, of Wellington, who will himself play the accompaniments with Mr. Allon Carr rendering a violin obbligato.

The singers will be Mr. Roy Hill and Mr. W. Binet Brown, two members of the Lyric Quartet, who with Miss Veronica MacKenzie (soprano), will provide the vocal portion of the evening's programme.

Notes from 3YA

THE evening's programme has been arranged by Miss Nellie Hayward who, with Miss Kathleen Garven, are well-known teachers of music in Christchurch. The programme will be provided by artists from their studio, assisted by the Christchurch Broadcasting Trio. The concert, which will be of a operatic-classical nature, will conclude with the singing of a part song by eight voices, "Julia's Garden."

FRIDAY

Items from 1YA

THE whole of the second part of 1YA's programme will consist of the presentation of a one-act play, "Pro and Cons," written by Kenneth Barnes and produced by Mr. J. W. Bailey and his company. There are three scenes in the play: "Man Proposes," "Woman Espouses," and "God Disposes."

Auckland is fortunate in its galaxy of producers of delightful plays, which are so welcome to listeners generally. In the first half of the programme listeners can again look forward to some bright entertainment from Frank Wade and His Melody Boys, who will broadcast novelty vocal and instrumental items. On her last appear-

ance at 1YA, Miss Dylvia Dobbs made an instant success with her singing, and this evening she will be heard again in some delightful ballads.

2YA Programme

THE concert session will be of a varied and interesting nature.

A banjo quintet under the direction of Mr. Jack Farrell will be new to listeners. The members of this combination are all vocalists, and their numbers accompanied by themselves should be very attractive.

Christchurch Topics

CONCERTED numbers will be sung by the Valencia Quartet in the presenting of a variety programme this evening. Duets and solos will also be presented, among the latter being "I Heard You Singing," "Lorraine," and "The Song of the Wagoner." As cello solos, Mr. Harold Beck will play Popper's "Serenade" and the "Prize Song" from Wagner's "Meistersingers." English concertina duets will be played by Theo and Frances Gunther, and there will be selections by the Christchurch Broadcasting Trio.

4YA Items

A PROGRAMME of old-time dance tunes and old-time melodies will be provided by 4YA, given by Mr. C. D. Dagg's Band, which specialises in this type of entertainment.

SATURDAY

Notes from 1YA

THE station will be on the air from noon in order to broadcast the results of the races conducted by the Takapuna Jockey Club. Items by the Octet, under the direction of Mr. Har-

old Baxter, will include a selection from "The Show Boat," and the "Lightning Switch" (by Alford). Miss Buntly Stuart, a very fine contralto, who has appeared several times at the Australian broadcasting stations, and is not unknown to New Zealand, having toured here professionally some time ago, will be heard in several numbers. She makes a speciality of Scottish songs.

Wellington Items

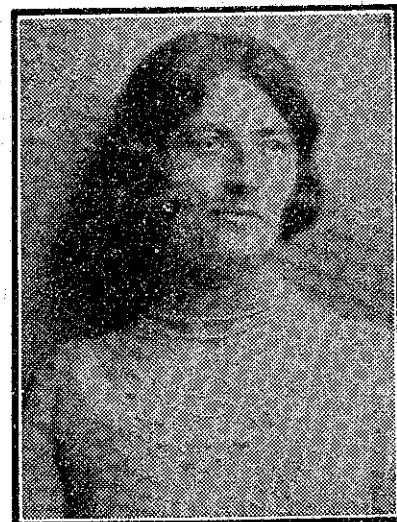
A PROGRAMME of high-class vaudeville will be presented to-night. The Salon Orchestra, under Mr. M. T. Dixon, will be heard in a number of varied pieces, including "Pique Dame" overture, "No, No, Nanette," and Grainger's novelette, "Country Garden."

A sketch by H. E. Lucas entitled "Passengers" will be featured. This sketch has been specially adapted for the microphone and listeners will be surprised and thrilled at the climax.

Mrs. R. Sierakowski (a favourite soprano singer from 3YA) will also be heard in the popular type of song: "Just a Cottage Small" (by Hanley), "Dream Lover" (by Schertzing), and "I Love to Hear You Singing" (by Wood).

From Christchurch

MRS. C. E. McDOWELL, a popular soprano who has many concert successes to her credit, will make her first appearance at 3YA, singing excerpts from musical comedies. Miss Elaine Moody and her Hawaiian Quartet will present some of the latest popular airs, with vocal refrains by Miss Moody.



MOLLIE FENTON,
a mezzo-contralto, who will sing duets with Miss Lalla Vondersloot from 3YA on February 1.
—S. P. Andrew, photo.

Dunedin Notes

ON to-night's variety programme will be several popular 4YA artists. A bright programme which should appeal to listeners will be broadcast.

KNOW the time all over the world with a

DX Clock.

Printed on Heavy White Paper.

Price 9d.

Write "Radio Record," Box 1032, Wellington.

Full Programmes for Next

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

Sunday, January 25

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, JANUARY 25.

- 8.0 : Selected gramophone recordings.
- 8.30 : Literary selection.
- 6.0 : Children's song service, conducted by Uncle Bert.
- 6.55 : Relay of Divine Service, Beresford Street Congregational Church. Preacher, Rev. Albert V. Whiting. Choirmaster, Mr. William Gemmell. Organist, Mr. Arthur Cherry.
- 8.30 : (approx.) Relay from Albert Park of concert by the Auckland Municipal Band, under the conductorship of Mr. George Buckley.
- 9.30 : (approx.) God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, JANUARY 25.

- 3.0 to 4.30 : Gramophone records.
- 6.0 : Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from St. Matthew's Anglican Church.
- 6.45 : Gramophone recordings.
- 7.0 : Relay of Evening Service from St. Paul's Pro-Cathedral. Preacher, Canon Percival James. Organist and Choirmaster, Mr. Robert Parker, C.M.G.
- 8.15 : (approx.) Studio concert.
Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "Semi-ramide" (Rossini); "Brahmsiana" (arrgd. Jungey).
Contralto—Miss Evelyn Robinson, (a) "Silent Noon" (Vaughan Williams); (b) "O, Could I but Express in Song" (Malashkin).
Piano—Mr. L. D. Austin, "Chant Du Voyageur" (Paderewski).
Tenor—Mr. Les Stapp, "My World" (Geehl).
Selection—Orchestra, "Lucia di Lammermoor" (Donizetti).
Soprano—Miss Gwladys Edwardes, (a) "In the Red April Dawn" (Willeby); (b) "After the Grim Daylight" (Willeby).
Weather report and station notices.
Violin—Naqum Blinder, "Variation on a Theme by Corelli" (Kreisler).
Contralto—Miss Evelyn Robinson, "Home Isn't Home Without You."
Suite—Orchestra, "Suite Romantique" (Ketelbey).
Tenor—Mr. Les Stapp, (a) "All the Fun of the Fair" (Martin); (b) "Evensong" (Burman).
Piano—Mr. L. D. Austin, "The Fountain" (L. D. Austin).
Selection—Orchestra, "In the Silence of the Night" (Rachmaninoff).
Soprano—Miss Gwladys Edwardes, (a) "O Lovely Night" (Landon Ronald); (b) "The Dove" (Landon Ronald).
Choral—Don Cossacks Choir, "Save, O Lord, Thy People."
Dance—Orchestra, "Searf Dance" (Chaminade); valse, "Return of Spring" (Waldteufel).
- 10.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, JANUARY 25.

- 3.0 : Gramophone recital.
- 5.30 : Children's Song Service by Children from Presbyterian Sunday Schools.
- 6.15 : Chimes from studio.
- 6.30 : Musical recordings from studio.
- 7.0 : Relay of evening service from St. Andrew's Presbyterian Church. Preacher, Rev. R. M. Ryburn, M.A. Organist, Mr. R. E. Lake. Choirmaster, Mr. J. Maclean.
- 8.15 : (approx.) Relay of programme from 4YA, Dunedin.
- 9.50 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, JANUARY 25.

- 3.0 : Chimes. Selected recordings.
- 5.30 : Children's Song Service, conducted by Big Brother Bill.
- 6.15 : Instrumental recordings.
- 6.45 : Relay of Evening Church Service from Salvation Army Citadel, Dunedin, conducted by Major Bear (Divisional Commandant).
- 8.15 : Studio concert by the Kaikorai Band, under direction of Mr. T. J. Kirk-Burnnand, assisted by 4YA artists.
March—Band, "Simplicity" (Hume); waltz, "The Choristers" (Dowell).
- 8.26 : Soprano—Miss Freda Elmes, "Jesus, the Very Thought of Thee" (Thiman); "Elegie" (Massenet).
- 8.32 : Organ—Arthur Meale, "March on a Theme of Handel" (Guilmant); "Pilgrim's Song of Hope" (Batiste).
- 8.40 : Tenor—Mr. Ernest Drake, "If With All Your Hearts" (Mendelssohn).
- 8.47 : Grand selection—Band, "Gounod" (Rimmer-Gounod).
- 9.2 : Weather report and station notices.
- 9.4 : Selection—Plaza Theatre Orchestra, "Gipsy Suite" (German).
- 9.20 : Soprano—Miss Freda Elmes, "Romanza E Scena" (Mascagni).
- 9.23 : Grand selection—Band, "Richard Wagner" (Wagner).

- 9.34 : Instrumental trio—Fritz and Hugo Kreisler and Michael Raucheisen.
(a) "Marche Miniature Viennoise" (Kreisler); (b) "Syncopation."
- 9.40 : Tenor—Mr. Ernest Drake, "Abide with Me" (Liddle).
- 9.43 : March—Band, "The Challenge" (Richardson).
- 9.47 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—SUNDAY, JANUARY 25.

- 6.0 : Children's service.
- 8.15 : Studio concert.

Monday, January 26

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, JANUARY 26.

- 8.0 : Relay from the Auckland Town Hall of Professional Boxing Bout between H. Johns and Hector Leckie.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, JANUARY 26.

- 3.0 : Chimes. Selected gramophone recordings.
- 3.30 and 4.30 : Sporting results to hand.
- 5.0 : Children's session, conducted by Uncle Jeff.
- 6.0 : Dinner music session. Paul Godwin's Orchestra, "Through Weber's Enchanted Woods" (Ernst Urbach); "Mignon—Entr'acte Gavotte" (Thomas); "Firefly's Idyll" (P. Lincke).
- 6.15 : Paul Godwin and His Orchestra, "Third Waltz Medley" (Robrecht). Members of the State Opera Orchestra, Berlin, "Don Pasquale."
- 6.30 : Paul Godwin's Orchestra, "Suite Algerienne" (Saint-Saens). Symphony Orchestra, "Homage March" (Grieg). Vienna Schrammel Quartet, "Firefly's Appointment" (Ludwig Siede).
- 6.45 : Polydor Brass Band Orchestra, "Il Trovatore" (Verdi). Great Symphony Orchestra, "Paying a Visit to Millicker" (Morena).
- 7.0 : News session, market reports and sports results.
- 7.40 : Lecturette—Mr. M. de Montalk, "Nieafu."
- 8.0 : Chimes. Overture—2YA Orchestra (Conductor, Signor A. P. Truda), "Overture in C" (Mendelssohn).
- 8.9 : Tenor—Mr. Denis Sheard, (a) "I Hear a Thrush at Eve" (Cadman); (b) "Serenata" (Toselli).
- 8.15 : Elocution—Mr. Clement May, (a) "The Crowning of Dreaming John" (Drinkwater); (b) "Ethelred" (Anon.).
- 8.21 : Selection—Orchestra, "Scene Pittoresque" (Massenet).
- 8.29 : Contralto—Miss Hilda Chudley, (a) "To Daisies" (Quilter); (b) "A Prayer to Our Lady" (Ford).
- 8.35 : Selection—Band of the Garde Republicaine of France, "Clarinet Concerto" (Weber).
- 8.43 : Baritone—Mr. Ernest Short, (a) "The Victor" (Sanderson); (b) "Whatever Is, Is Best" (Lohr).
- 8.50 : Relay of organ recital by Mr. H. Temple White, (a) "Cantilene in D Flat" (Salome); (b) "At Evening" (Kinder); (c) "March in G."
- 9.0 : Weather report and station notices.
- 9.2 : Tenor—Mr. Denis Sheard, "La Donna E Mobile" (Verdi).
- 9.6 : Selection—Orchestra, "Norma" (Bellini—arrgd. Tavan).
- 9.14 : Elocution—Mr. Clement May, (a) "The Boy at School" (Spurr); (b) "Lightenberg" (Kipling).
- 9.20 : 'Cello—Lauri Kennedy, (a) "Grade Song" (Dvorak); (b) "Songs My Mother Taught Me" (Dvorak); (c) "Hungarian Rhapsody."
- 9.28 : Contralto—Miss Hilda Chudley, (a) "Whene'er a Snowflake Leaves the Sky" (Lehmann); (b) "Silver" (Armstrong Gibbs).
- 9.33 : Selection—Orchestra, "Norwegian Rhapsody No. 1" (Svendsing).
- 9.41 : Baritone—Mr. Ernest Short, "The Beetle and the Boot" (Rubens).
- 9.45 : Piano—Sergei Rachmaninoff, "One Lives but Once" (Strauss).
- 9.53 : Waltz—Orchestra, "Waltz Ballet" (Granier).
- 10.1 : Dance programme.
Foxtrots—Harry Hudson's Melody Men, "A Bench in the Park." Alfredo and His Band, "Tancy You Falling For Me"; "My Fate is in Your Hands" (Razaf).
- 10.9 : Waltz—Radio Melody Boys, "What Have I Done?" (Rotter). Tangos—Marcu's Roumanian Orchestra, "Adieu, Venise"; "Do You Still Love Me?" Orlando and His Argentine Tango Orchestra, "Garufa."
- 10.21 : Vocal—Randolph Sutton, "We're Uncomfortable" (Wallace).
- 10.24 : Foxtrots—The Blue Jays, "By the Bend of the River." Radio Melody Boys, "A Little Old Cottage" (Hargreaves). The Blue Jays, "I'm Following You" (Dreyer). Harry Hudson's Melody Men, "Handsome Gigolo."
- 10.36 : Waltz—Alfredo and His Band, "Silv'ry Moon" (de Frank); "Molly." Tangos—Marcu's Roumanian Orchestra, "Argentina." Orlando and His Argentine Tango Orchestra, "Gente Bacana."

Week-all Stations-to Feb.1

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

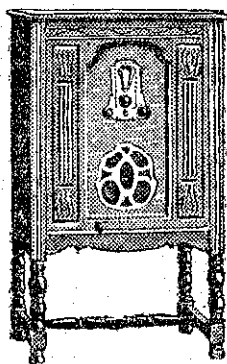
- 10.48: Vocal—Randolph Sutton, "Back to Gay Paree" (Stanley).
 10.51: Foxtrots—Alfredo and His Band, "Cryin' for the Carolines" (Lewis);
 "The Sunshine of Marseilles" (Gilbert); "Blondy."
 11.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, JANUARY 26.

- 8.0 : Gramophone recital.
 4.25: Sports results.
 5.0 : Children's hour, "Cousin Margot."
 6.0 : Dinner music session.
 Metropolitan Symphony Orchestra, "Lilac Time" Selection (Schubert).
 Russian Imperial Trio, "Because" (d'Hardelot).
 Bidgood's Dance Band, "Popular Musical Comedy Waltz Medley."
 6.15: Salon Orchestra, "Italian Nights" (Roberts).
 Symphony Orchestra, "Morris Dance" (from "Henry VIII") (German).
 Symphony Orchestra, "Shepherd's Dance" (from "Henry VIII").
 Orchestra with organ, "Demande et Response" (Coleridge-Taylor).
 Orchestra with organ, "Portia" Intermezzo (from "Merchant of Venice").
 6.30: Harry Jacobs and His Palais Orchestra, "The Earl and the Girl"
 Selection (Caryll).
 Salon Orchestra, "The Enchanted Lake" (Tchaikowsky).
 Russian Imperial Trio, "Liebeslied" (Kreisler).
 Stoll Theatre Orchestra, "The Grasshoppers' Dance" (Bucalossi).
 6.45: Band of H.M. Life Guards, "Ruy Blas Overture" (Mendelssohn).
 Stoll Theatre Orchestra, "The Phantom Brigade" (Myddleton).
 Bidgood's Dance Band, "Popular Classical Waltz Medley."

- 7.0 : News session.
 8.0 : Chimes. Public Open-Air Band Programme by Derry's Military Band
 (Conductor, J. Scott), and assisted by 3YA artists.
 March—Band, "Entry of the Gladiators" (Fueik). Morceau Mignon—
 Band, "Salut d'Amour" (Elgar).
 8.10: Mezzo-contralto—Miss C. L. Shrubshall, (a) "Piper of Dreams"
 (Wakefield); (b) "Twickenham Ferry" (Marzials).
 8.16: Mouth organ—Mr. J. Woodham, "Popular Melodies" (arrgd. Woodham).
 8.21: Bass—Mr. Sydney Hood, "Lighterman Tom" (Squire).
 8.25: Humour—Mr. Jack Darragh, "Presentations" (Anon.).
 8.30: Selection—Band, "The Merry Widow" (Lehar).
 8.40: Soprano—Mrs. Jean Scrimshaw, (a) "What a Wonderful World it
 Would Be" (Lohr); (b) "The Hole in the Fence."
 8.46: Songs at the piano—Mr. Jack Blair, (a) "The Rose of Tralee" (Tom
 Barry); (b) "Lonely Troubadour" (Kenner).
 8.52: Banjo—Mr. Arthur Hodgson, "La Serenata" (Braga).
 8.56: Cabaret songs—Mr. Cheslyn O'Connor, (a) "Louise" (Whiting); (b).
 "Sunny Side Up" (Henderson).
 9.2 : Weather forecast and station notices.
 9.4 : Overture—Band, "William Tell" (Rossini).
 9.14: Mezzo-contralto—Miss C. L. Shrubshall, "Sunshine and Rain."
 9.18: Mouth organ—Mr. J. Woodham, "Popular Melodies" (arr. Woodham).
 9.24: Bass—Mr. Sydney Hood, (a) "A King's Man" (Williams); (b) "If
 Ever I Meet the Sergeant" (Wright).
 9.30: Humour—Mr. Jack Darragh, "In Fifteen Parts" (Anon.).
 9.35: Xylophone—Bandsman E. Sheldon, (a) "Light Cavalry" (Suppe); (b).
 "Stars and Stripes for Ever" (Sousa).
 9.45: Soprano—Mrs. Jean Scrimshaw, "The Garden of Your Heart."
 9.49: Song at the piano—Mr. Jack Blair, "Under the Texas Moon" (Perkins).
 9.53: Banjo—Mr. Arthur Hodgson, (a) "Great Little Army" (Alford);
 (b) "Hustling Hinkler" (Baer).
 9.59: Cabaret song—Mr. Cheslyn O'Connor, "Smiling Irish Eyes" (Perkins).
 10.1 : March—Band, "Grand Coronation March" (from "Le Prophete").
 10.6 : God save the King.

A GREAT RADIO BACKED BY A GREAT NAME



"THE SET WITH THE
PUNCH."

STEWART WARNER RADIO

Screen-Grid Circuit

READY for New Zealand
 with all its amazing new re-
 sults is an utterly new and different
 radio, built by Stewart-Warner.

Five years ago Stewart-Warner set
 out to perfect a way of musical re-
 production that would bring you
 absolute fidelity of tone, unhamper-
 ed by hum or noises of any kind.

They developed a new way of con-
 trolling oscillation, using their new
 Screen-grid Circuit. It actually
 filters the broadcast from every out-
 side noise. The music comes to
 you in the midst of a perfect hush
 of quiet. You hear only the true
 mellow tones produced by the ar-
 tist or the musical instruments.

Here is a radio unlike anything you
 have ever heard before; its refine-
 ments give you a radio you'll prefer
 to all others. In fairness to your-
 self see the new Stewart-Warner
 Screen-grid Electric Radio—"The
 Set with the Punch."

Look up your nearest dealer and
 you'll thank us for an entirely new
 conception of what Radio can do.

SOLD THROUGH A HUNDRED LICENSED AUTHORISED DEALERS

RADIO

Hopie Gibbons Ltd

DIVISION

AUCKLAND

CHRISTCHURCH

WELLINGTON

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, JANUARY 26.

- 3.0 : Selected recordings.
 5.0 : Children's session, conducted by Big Brother Bill.
 6.0 : Dinner music session.
 Finck's Orchestra, "Gaiety Echoes" (Caryll-Monckton).
 Sandler's Orchestra, "Las Lagarteranas" (Guerrero).
 Violin—Lipschultz, "La Golondrina" (Sorradell).
 6.15: J. H. Squire's Celeste Octet, "Everybody's Melodies" (arr. Squire).
 Organ—John Hassel, "By the Waters of Minnetonka" (Lieurance).
 Sandler's Orchestra, "Raphaellito" (Guerrero).
 6.30: Regal Cinema Orchestra, "Broadway" Selection (Gottler).
 Violin—Lipschultz, "Estrellita" (Ludlow).
 Romani and Italian Orchestra, "Old Comrades March" (Teike).
 6.45: Berlin State Orchestra, "Die Fledermaus" (Strauss).
 Nullo Romani's Orchestra, "Canto Al Inverno."
 Russian Novelty Orchestra, "Tesoro Mio" (Becucci).
 7.0 : News session.
 8.0 : Chimes. Selection—Regal Cinema Orchestra, "King of Jazz" (Wayne).
 8.9 : Contralto—Mrs. A. H. Ritchie, (a) "Come, Sing to Me" (Thompson);
 (b) "I Love You Truly" (Bond).
 8.16: Organ—Jesse Crawford, "When Summer is Gone" (Harrison).
 8.19: Recital—Miss Ngata Buswell, "Pennarby Mine" (Doyle).
 8.23: Instrumental trios—Misses Rita Holmes, Moffatt and Judd, "Anitra's
 Dance" (Grieg); "By the River" (Morse); "Entr'acte Valse."
 8.33: Bass-baritone—Mr. R. B. Macdonald, (a) "The Ringers" (Lohr); (b)
 "Rolling Stone" (Fischer).
 8.39: Mrs. C. Drake, "Two Country Dances" (Beethoven).
 8.45: Guitar—Palakiko and Paaluh, "Maui" (Traditional).
 8.48: Soprano—Miss Olga E. Wynne, "I'd be a Butterfly" (Bayley).
 8.51: Instrumental trios—(a) "The Flatterer" (Chaminade); (b) "After
 Sunset" (Pryor); (c) "Intermezzo" (Mathias).
 9.0 : Weather report and station notices.
 9.2 : Selection—Philadelphia Symphony Orchestra, "Marche Slav."
 9.10: Bass-baritone—Mr. R. B. Macdonald, "One of the Guards" (Fischer).
 9.17: Recitals—Miss Ngata Buswell, (a) "The Inventor's Wife" (Corbett);
 (b) "A China Tragedy" (Hitchings).
 9.23: Instrumental trios—(a) "Spring Song" (Mendelssohn); (b) "To the
 Spring" (Grieg); (c) "Whispering of the Flowers" (Blumenthal).
 9.33: Contralto—Mrs. A. H. Ritchie, "When You Come Home" (Squire).
 9.36: Violin—Miss Eva Judd, (a) "Morris Dance" (German); (b) "Rondino."
 Instrumental Trio—"Souvenir d'Hongroise" (Bendel).
 9.47: Soprano—Miss Olga E. Wynne, (a) "Sing, Little Bird o' the Dawn"
 (Hemery); (b) "The Song of the Palanquin Bearers" (Shaw).

- 9.54: Selection—La Garde Republicaine Band, "La Marseillaise"; march, "Marche Lorraine" (Ganne).
10.0 : God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—MONDAY, JANUARY 26.

- 6.30: Children's session.
7.30: News, markets, and information.
8.0 : Studio concert.

Tuesday, January 27

IYA, AUCKLAND (900 KILOCYCLES)—TUESDAY, JANUARY 27.

- 3.0 : Selected gramophone recordings.
3.15: Talk—Mrs. Les Crane, "Beauty of Mind and Body in Relation to Diet."
3.30: Further selected recordings.
5.0 : Children's session, conducted by Uncle Dave.
6.0 : Dinner music session.
Milan Symphony Orchestra, "Semiramide Overture" (Rossini).
Symphony Orchestra, "Tales from the Vienna Woods" (Strauss).
6.15: Herman Finck and His Orchestra, "Old and New" (arr. Herman Finck).
6.30: Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).
Columbia Symphony Orchestra, "Al Fresco" (Herbert).
Symphony Orchestra, "Artist's Life" (Strauss).
Milan Symphony Orchestra, "Cavalleria Rusticana" (Mascagni).
6.45: Bournemouth Municipal Orchestra, "Echoes of the Valley" (Gennin).
Columbia Symphony Orchestra, "Badinage" (Herbert).
Royal Philharmonic Orchestra, "Blue Danube" (Strauss).
7.0 : News and market reports.
8.0 : Chimes. The Whisker Instrumental Quartet, (a) "Polish Dance" (Scharwenka); (b) "Serenade" (Widor).
8.11: Soprano—Mrs. Laetitia Parry, Song Cycle, "Woman's Life and Love" (Schumann), (a) "Since First I Met Him," (b) "Humility," (c) "Love's Tears."
8.21: Clarinet—Mr. S. C. Lewis, (a) "Fantasia from Danizetti's Anna Bolena" (arrgd. Reyloff); (b) Selection from "Rigoletto" (Verdi); (c) "Stephanie Gavotte" (Czibulka).
8.36: Topical talk—Mr. A. B. Chappell, M.A.
8.51: The Whisker Instrumental Quartet, (a) "Leonore" (Trottere); (b) "Spring Song" (Mendelssohn).
9.1 : Evening weather forecast and announcements.
9.3 : Piano—Mr. Cyril Towsey, (a) "Soaring" (Schumann); "Dream Fancies" (Schumann).
9.11: Bass-baritone—Mr. Frank Sutherland, (a) "My Sweetest Song of All" (from "Lilac Time") (Schubert—arrgd. Clutsum); (b) "O Mistress Mine" (Quilter); (c) "The White Dove" (Lehar).
9.21: The Whisker Instrumental Quartet, (a) "Norwegian Dance" (Grieg); (b) "Serenade" (Moszkowsky).
9.31: Programme of Dance Music.
Foxtrot with vocal trio—Alfredo and His Band, "Sweetheart of All My Dreams" (Fitch).
The Blue Jays, "Dance of the Paper Dolls" (Tucker).
Alfredo and His Band, "Deep Night" (Henderson).
The Blue Jays, "The Toymaker's Dream" (Golden).
9.42: Walzes, with vocal choruses—Alfredo and His Band, "My Song of the Nile" (de Sylva); "I'll Always be in Love with You."
Foxtrots, with vocal choruses—Alfredo and His Band, "Turn on the Heat" (de Sylva); "This is Heaven" (Yellen); "If I had a Talking Picture of You" (de Sylva).
Vocal—G. H. Elliott, "Muddlin' Thro'" (Howard Flynn).
10.0 : Foxtrots, with vocal duets—Alfredo and His Band, "Little Pal" (de Sylva); "Laughing Marionette" (Collins); "Why Can't You?" (de Sylva).
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).
10.15: Vocal—Stanley Kirby, "My Mother's Eyes" (Baer).
Foxtrots, with vocal choruses—Radio Rhythm Boys, "Painting the Clouds with Sunshine" (Burke).
Alfredo and His Band, "Mean to Me" (Turk).
Radio Rhythm Boys, "Tiptoe thro' the Tulips with Me" (Burke).
The Plaza Band, "A Precious Little Thing Called Love" (Davis).
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).
Two-step—Bal Musette Orchestra, "Mayerqua" (Brunel).
10.42: Foxtrots, with vocal choruses—Alfredo and His Band, "I've Never Seen a Smile Like Yours" (Johnson); "I Think of What You Used to Think of Me" (Turk).
Harry Hudson's Melody Men, "Ol' Man River" (Kern).
Alfredo and His Band, "I Don't Know Why I Do It, But I Do"; "Do Something" (Green-Sept).
Dutch dance—Bal Musette Orchestra, "Rafe" (Berniaux).
11.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, JANUARY 27.

- 3.0 : Chimes. Selected gramophone recordings.
3.30 and 4.30: Sporting results to hand.

- 5.0 : Children's session, conducted by Uncle Toby and Jumbo.
6.0 : Dinner music session.

- J. H. Squire's Celeste Octet, "Operatica" (arr. Squire).
Band—The Bombardiers, "Hungarian Dance No. 5" (Brahms).
Orchestre Symphonique de Paris, "L'Arlesienne Suite, Adagietto."
6.15: Regal Orchestra, "Pagliacci Selection" (Leoncavallo).
J. H. Squire's Celeste Octet, "Song of the Waterfall" (Squire).
Orchestre Symphonique de Paris, "L'Arlesienne Suite-Entr'acte, Le Carillon" (Bizet).
6.30: London Theatre Orchestra, "A Country Girl Selection" (Monckton).
Band—The Bombardiers, "Hungarian Dance No. 6" (Brahms).
Orchestre Symphonique de Paris, "L'Arlesienne Suite-Intermezzo."
6.45: Regal Cinema Orchestra, "Show of Shows" Selection.
J. H. Squire's Celeste Octet, "Scent of the Jasmine" (Squire).
Orchestre Symphonique de Paris, "L'Arlesienne Suite"—Entr'acte, La Cuisine de Gastelet" (Bizet).
7.0 : News session, market reports and sports results.
7.40: Lecturette by a representative of the Agricultural Department, "For the Man on the Land."
8.0 : Chimes. Overture—Salon Orchestra, Conductor Mr. M. T. Dixon) "Rakoczy" (Kela Bela).
8.16: Piano novelty—Mr. Allan Shand, (a) "Hollyhocks" (Mayer); (b) "Waltz of Love" (Verges). (c) "If I Had a Girl Like You" (McDermott); (d) "Pretty Poll" (Little).
8.28: Organ—Lew White, (a) "It Happened in Monterey" (Rose-Wayne); (b) "Under a Texas Moon" (Perkins).
Eddie Dunstetter, (a) "Midsummer Night's Dream" (Mendelssohn); (b) "Wedding March from Lohengrin."
8.40: Soprano—Mrs. Catherine Goodson, (a) "Dawn Song" (Brahe); (b) "Fairy's Lullaby" (Needham); (c) "June Music" (Trent); (d) "Little Blue Pigeon" (Needham).
8.52: Humour—Mr. C. P. McKenzie, "Casey Carries On" (Original).
9.0 : Weather report and station notices.
9.2 : Piano—Mr. M. T. Dixon and Salon Orchestra, "Fantasia." Selection—Salon Orchestra, "Count of Luxembourg" (Lehar).
9.17: Baritone—Mr. W. E. Crewes, (a) "The Sandwich Man" (Willeby); (b) "The Fortune Hunter" (Willeby); (c) "The Sailor's Paradise" (Richards).
9.27: Selection—A Century of Progress Band, (a) "Nobles of the Mystic Shrine" (Souza); (b) "The Saracen Guard" (White).
March—National Military Band, "Tannhauser" (Wagner).
9.37: Tenor—Mr. Frank Skinner, (a) "My Pretty Jane" (Bishop); (b) "My Mary Sweet and Brown" (Kilner); (c) "Who is Sylvia?"
9.47: Salon Orchestra, "Minuet" (Friml); Tone poem—"Barque D'Amour" (Drigo); "Air De Ballet" (Herbert).
10.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, JANUARY 27.

SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, JANUARY 27.

- 3.0 : Selected recordings.
5.0 : Children's Hour, conducted by Big Brother Bill.
6.0 : Dinner music session.
Grand Symphony Orchestra, "Raymond Overture" (Thomas).
Edith Lorand's Orchestra, "Wine, Woman and Song" (Strauss).
Orchestra Mascotte with Edith Lorand, "Siren Magic."
6.15: Orchestra of the Opera Comique, Paris, "Scenes Pittoresques" (a) "Marche"; (b) "Fete Boheme" (Massenet).
Dr. Ormandy's Instrumental Trio, "Baccarolle" (Offenbach).
Edith Lorand's Orchestra, "Minuet" (Boccherini).
6.30: Edith Lorand's Orchestra, "Tales from the Vienna Woods" (Strauss).
The Royal Music Makers, "Ah! Sweet Mystery of Life."
Orchestra Mascotte with Edith Lorand, "I'd Like to Kiss the Ladies."
6.45: Edith Lorand's Orchestra, "Toreador and Andalous" (Rubinstein).
"Roses of the South" (Strauss).
Dr. Ormandy's Instrumental Trio, "From the Land of the Sky-blue Water" (Cadman).
The Royal Music Makers, "Kiss Me Again" (Herbert).
7.0 : News session.
8.0 : Studio programme by St. Kilda Band, under direction of Mr. Jas. Dixon, and assisting artists. March—Band, "Hollywood" (Alford).
Waltz, "Silver Lining" (Smith).
8.15: Soprano—Miss D. Youd, "Life's Glorious Anthem" (Rae); "You and I" (Marshall); "Lavender Lane" (Samuel).
8.25: Sketch—Angela Baddeley and Company, "The Safe."
8.34: Selection—Band, "Melodious Gems" (Rimmer); Patrol, "Jungle Drums" (Ketelbey).
8.54: Baritone—Mr. Albert Parker, "Nirvana" (Adams); "A Night Idyll" (Loughborough); "A Little Green Lane in Devon" (Carse).
9.4 : Weather report and station notices.
9.7 : Selection—Berlin Philharmonic Orchestra, "Carnival Romain."
Piano—Mrs. C. Drake, "Elegie" (Rachmaninoff).
9.19: Contralto—Miss Irene Horniblow, "Solveig's Song" (Grieg); "All Through the Night" (Welsh air); "Now Sleeps the Crimson Petal" (Quilter).
9.29: Overture—Band, "Egmont" (Beethoven); Trombone—"The Joker."
9.45: Tenor—Mr. George Crawford, "Serenade" (Schubert); "Youth" (Alltsen); "I Hear You Calling Me" (Marshall).

- 9.55: March—Band, "Vedette" (Alford).
10.0: God save the King.

Wednesday, January 28

1YA, AUCKLAND (900 KILOCYCLES)—WEDNESDAY, JANUARY 28.

- 8.0: Selected recordings from the studio.
8.30: Literary selection.
9.0: Children's session, conducted by "Uncle Barney."
9.0: Dinner music session.
Selection—Kauffman's Orchestra, "The Gipsy Baron" (Strauss).
Waltz—La Vittoria Orchestra, "Wedding of the Winds" (Hall).
6.15: Piccadilly Orchestra, "If Only I Had You" (Davies). "Lolita."
Hawaiian—Kolomoku's Honoluluans, "Aloha Oe" (Lilinalani).
Piccadilly Orchestra, "Charmaine" (Rapee).
6.30: Selection—New Mayfair Orchestra, "This Year of Grace" (Coward).
Waring's Orchestra, "Ah! Sweet Mystery of Life" (Herbert).
Hawaiian—Kolomoku's Honoluluans, "Three O'Clock in the Morning."
6.45: Victor Concert Orchestra, "Minuet in G" (Paderewski); "Amaryllis."
Piccadilly Orchestra, "Bird Songs at Eventide" (Coates).
Waltz—International Concert Orchestra, "Blue Danube" (Strauss).
7.0: News and market reports.
8.0: Chimes. March—The Birkenhead Municipal Band, under conductorship of Lieut. J. T. Lighton, "Lefebvre" (Allan).
Selection—Band, "Pirates of Penzance" (Sullivan).
8.15: Vocal quartet—The New Zealand Four, "Doan You Cry" (Knoll).
Tenor—Mr. Jas. Simpson, (a) "The Dream Cottage" (Sparrow), (b) "To a Miniature" (Brahe).
8.23: Selections—New Mayfair Orchestra, (a) "Follow Through Medley" (De Sylva), (b) "Hold Everything."
8.31: Euphonium—Bandsman E. Hannah, "Village Blacksmith" (Weiss).
8.40: Monologue—Gillie Potter, "Mr. Potter Visits Southend" (Potter).
8.46: Bass—Mr. A. Gibbons Taylor, "Young Tom o' Devon" (Russell).
Duet—Messrs. Roy Dormer and Eric Mannall, "Bells of Gold" (Rae).
8.52: Waltz—Band, "Senta" (Raymond).
9.0: Evening weather forecast and announcements.
9.2: Vocal—The New Zealand Four, (a) "Printing" (Parks), (b) "A Fishing Story" (Parks).
Tenor—Mr. Roy Dormer, "Castilian Lament" (Del Riego).

- 9.10: Organ—G. Pattman, (a) "Sanctuary of the Heart," (b) "In a Monastery Garden" (Ketelbey).
9.18: Fantasia—Band, "Operatic Beauties" (Greenwood), "Minuet in G" (Beethoven).
9.31: Duet—Messrs. Jas. Simpson and A. Gibbons Taylor, "The Twins."
Baritone—Mr. Eric Mannall, "Angels Guard Thee" (Godard).
Quartet—The New Zealand Four, "Nothing Else to Do" (Parks).
9.43: Selection—Regal Cinema Orchestra, "Sally" (Burke).
9.51: Serenade—Band, "La Paloma" (Yradier); march, "Argandab."
10.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—WEDNESDAY, JAN. 28.

SILENT DAY.

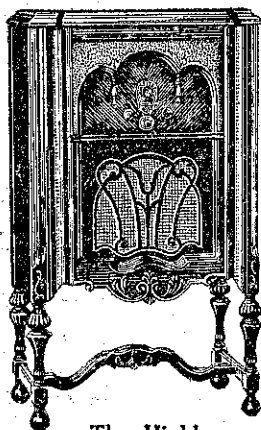
3YA, CHRISTCHURCH (980 KILOCYCLES)—WEDNESDAY, JAN. 28.

- 8.0: Gramophone recital.
4.25: Sports results.
5.0: Children's hour.
6.0: Dinner music session:
Royal Italian Band, "Marcia Reale" (Gabetti).
Court Symphony Orchestra, "In Venice" (Sellars).
Organ—Stanley MacDonald, "Was it a Dream?" (Coslow).
Royal Italian Band, "Garibaldi's Hymn" (Olivieri).
6.15: Ketelbey's Concert Orchestra, "Sanctuary of the Heart" (Ketelbey).
'Cello—W. H. Squire, "Melody in F" (Popper).
6.30: W. H. Squire's Celeste Octet, "Mignon": (1) Introduction and Romance, (2) Polonaise (Thomas).
'Cello—W. H. Squire, "Silver Threads Among the Gold" (Danks).
6.45: H.M. Grenadier Guards, "Turkish Patrol" (Michaelis).
Organ—Stanley MacDonald, "Nicolette" (Batten).
Jacque Jacobs Ensemble, "Wiener Blut" (Strauss).
H.M. Grenadier Guards Band, "Smithy in the Woods" (Michaelis).
7.0: News session.
7.30: Addington stock market reports.
8.0: Chimes. Selection—Debroy Somers Band, "Good News" (De Sylva).
8.9: Jazz songs at the piano—The Joyous Pair, (a) "Cross Your Fingers" (Davis), (b) "Swinging in a Hammock" (Wendling), (c) "Dancing with Tears in My Eyes" (Burke), (d) "I'm Sailing on a Sunbeam."
8.21: Studio Octet (Conductor, Harold Beck), (a) Overture, "Four Ages of Man" (Lachner), (b) "Laguna Lullaby" (Hope), (c) "March and Habanera" (Bizet).
8.36: Sketch—The Mascots, "Sauce" (Pertwee).
8.47: Vocal quartets—The Salisbury Singers, (a) "Sleep, Gentle Lady" (Planche and Bishop), (b) "Round About a Wood" (Morley).
Choral—Lay Vicars of Westminster Abbey, (a) "Stars of the Summer Night" (Cruikshank), (b) "The Little Sandman" (West).
8.59: Weather forecast and station notices.
9.2: Studio Octet, (a) "Ballet Music, 'La Source'" (Delibes): (1) "Scarf Dance," (2) "Love Scene," (3) "Dance Circassienne"; (b) "Toreador Song" (Bizet).
9.14: Contralto—Miss Kathleen Bond, (a) "A Maori Slumber Song" (Te Rangī Pahi), (b) "The Glory of the Sea" (Sanderson), (c) "Love's Old Sweet Song" (Molloy).
9.24: Cornet—Mr. R. Ohlsen, (a) "Song of the Roses" (Rollinson), (b) "Zanette" (Percy Code).
9.36: Sketch—The Mascots, "Which is it?" (Bertha Moore).
9.46: Sea Shanties—John Goss and Cathedral Male Voice Quartet, (a) "Sally Brown," (b) "Hanging Johnny," (c) "Whisky Johnny," (d) "The Sailor Likes His Bottle Oh," (c) "Clear the Track."
9.52: Studio Octet, "Second Sullivan Selection" (arr. Godfrey).
10.4: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—WEDNESDAY, JANUARY 28.

- 8.0: Chimes. Selected recordings.
8.15: Talk, under auspices of Home Science Extension Department of Otago University, "Boys' and Girls' Clubs."
9.0: Children's session conducted by "Big Brother Bill."
9.0: Dinner music session:
Overture—Grand Symphony Orchestra, "Zampa" (Herold).
Waltz—Dajos Bela Orchestra, "Morgenblätter" (Strauss).
6.15: Instrumental—Orchestra of the Opera Comique, Paris, "Scenes Pittoresques" (Massenet).
Waltz—Edith Lorand's Orchestra, "Vienna Waltz" (Drdla).
6.30: Waltz—Dajos Bela Orchestra, "Marlen Klänge" (Strauss).
Instrumental—Dajos Bela Orchestra, "Ideale" (Tosti).
Waltz—Edith Lorand's Orchestra, "Merry Vienna" (Zishrer).
6.45: Waltz—Edith Lorand's Orchestra, "Song of Autumn" (Waldteufel).
Waltz—Queenie and David Kaili, "Hawaiian March" (Ellis).
Valse intermezzo—Edith Lorand's Orchestra, "The Flowers' Dream."
Selection—H.M. Irish Guards, "The Desert Song" (Romberg).
7.0: News session.
7.15: Talk, "New Zealand Produce on the World's Markets," under auspices of 4YA Primary Productions Committee, by President of Dunedin Chamber of Commerce, Mr. A. C. Cameron.
8.0: Chimes. Selection—Philadelphia Symphony Orchestra, (a) "Arab Dance," (b) "Waltz of the Flowers" (Tschaiakowsky).

ACHIEVING CONSISTENTLY Good Reception



The Highboy

ACHIEVING good reception day after day, month after month, is a quality sought by every Radio buyer. The Gulbransen "Champion" Highboy Radio will give you the good reception that you have always expected of a radio.

And, besides perfect reception, you will get all the other desirable radio features. The "Champion" Highboy is housed in a beautiful walnut cabinet, of the latest design. It is equipped with Screen-grid Valves, Tone Control and Dynamic Speaker.

Call on your nearest Gulbransen Dealer to-day. See and hear the new Gulbransen, compare it with higher priced radios. No buying obligations, of course.

The New Champion

GULBRANSEN

DEALERS EVERYWHERE

N.Z. Distributors: H. W. CLARKE, LTD., Wellington.

- 8.13: Presentation by the Harmonists' Mixed Quartet of Liza Lehmann's song cycle "More Daisies." Soprano, Miss Mae Matheson; contralto, Miss Margaret Green; tenor, Mr. H. A. Johnston; baritone, Mr. Stuart Falconer.
 Quartet—"Up into the Cherry Tree."
 Baritone—"A Moral."
 Soprano—"For Good Luck."
 Contralto—"Good-night and Good-morning."
 Tenor—"Every Night I Say My Prayers."
 Ensemble with duet—"In Dreamland."
 Soprano—"The Cuckoo."
 Baritone—"Marching Song."
 Contralto—"My Shadow."
 Tenor—"The Captain."
 Quartet—"Fairy Chimes."
- 8.40: Instrumental trio—Misses Rita Holmes, Moffatt, and Judd, "Raymond" (Thomas); "My Heart at Thy Sweet Voice" (Saint-Saens).
- 8.55: Soprano—Miss Mae Matheson, "When You're in Love" (from "Rio Rita"—Tierney).
- 8.59: Weather report and station notices.
- 9.1: Instrumental trio—"Hungarian Dance No. 7 in A Major" (Brahms); "Hearts and Flowers" (Tobani).
- 9.10: Baritone—Mr. Stuart Falconer, "Vulcan's Song" (from "Philemon and Baucis"—Gounod).
- 9.13: Piano—Mrs. C. Drake, "Water Wagtail" (Scott); "A May Night."
- 9.19: Contralto—Miss Margaret Green, "Where the Deer Do Lie" (from "Merrie England"—German).
- 9.22: Instrumental trio—"Gipsy Dance" (Fischer); "Melody in F" (Rubinstein).
- 9.30: Dance session:
 Foxtrots—Vallee's Connecticut Yankees, "Heigh Ho! Everybody, Heigh Ho!" (Woods).
 Shilkret's Orchestra, "Hittin' the Ceiling" (Gottler).
 Weems's Orchestra, "Good Morning, Good Evening, Good Night" (Lewis).
 Shilkret's Orchestra, "Sing a Little Love Song" (Gottler).
- 9.42: Vocal duet—Dora Maughan and Walter Fehl, "That's Just What I Thought" (Bennett).
 Foxtrots—Vallee's Connecticut Yankees, "S'posin'" (Razaf).
 Arnheim's Orchestra, "Lovable and Sweet" (Clare).
 Olsen's Orchestra, "Out Where the Moonbeams are Born."
 Reisman's Orchestra, "When You Come to the End of the Day" (Westphal).
- 9.57: Piano duet—Arden-Ohman, "Ragamuffin" (Greer).
 Foxtrots—Shilkret's Orchestra, "Junior" (Donaldson).
 Waring's Pennsylvanians, "When My Dreams Come True."
 Reisman's Orchestra, "Gay Love" (Clarke).
 Waring's Pennsylvanians, "My Sin" (De Sylva).
- 10.12: Humour—Leonard Henry, "What did the Village Blacksmith Say?"
 Foxtrots—Shilkret's Orchestra, "Used to You" (De Sylva).
 All Star Orchestra, "My Dream Memory" (Clare).
 Shilkret's Orchestra, "Why Can't You?" (De Sylva).
 The Troubadours, "My Song of the Nile" (Bryan).
- 10.30: Piano duet—Victor Arden, Phil Ohman, "Dance of the Paper Dolls."
 Foxtrots—Vallee's Connecticut Yankees, "Miss You" (Tobias).
 Reisman's Orchestra, "Ain't Misbehavin'" (Razaf).
 Vallee's Connecticut Yankees, "The One in the World."
- 10.42: George Olsen and His Music, "Reaching for Someone" (Leslie).
 Vocal duet—Dora Maughan and Walter Fehl, "Eggs, Toast, and Coffee" (Merrill).
 Foxtrots—Hylton's Orchestra, "You're the Cream in My Coffee."
 Vallee's Connecticut Yankees, "Every Moon's a Honeymoon."
 Hylton's Orchestra, "To Know You is to Love You."
 Waltz—Reisman's Orchestra, "Evangeline" (Rose).
- 11.0: God save the King.

2YB, NEW PLYMOUTH (1230 KILOCYCLES)—WEDNESDAY, JANUARY 28

- 6.30: Children's session.
 7.30: News, markets, and information.
 8.0: Studio concert.

Thursday, January 29

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, JANUARY 29.

- 12.0: Results of Takapuna Jockey Club's meeting, interspersed with gramophone items.
- 8.15: Lecture—"How to bring out your best points," arranged by Home Science Extension Department, Otago University.
- 5.0: Children's session, conducted by "Peter Pan."
- 6.0: Dinner music session:
 New Light Symphony Orchestra, "Scene de Ballet—Marionettes."
 Berlin State Opera Orchestra, "Polonaise No. 2" (Liszt).
 Violin—Mischa Elman, "Vocalise" (Rachmaninoff).
- 6.15: National Symphony Orchestra, "Fra Diavolo" Overture (Auber).
 Piano—Vladimir de Pachmann, (a) "Mazurka in C Sharp Minor," (b) "Mazurka in A Minor" (Chopin).
 Trio—De Groot, David Bor, H. M. Calve, "El Relicario" (Padilla).

- 6.30: Band of H.M. Coldstream Guards, "Martha" Selection (Flotow).
 Violin—Mischa Elman, "Caprice in E Flat Major" (Wieniawski).
 New Symphony Orchestra, "Air on G String" (Bach).
- 6.45: New Light Symphony Orchestra, "Persiflage" (Francis).
 New Symphony Orchestra, "Londonderry Air" (arr. Grainger).
 Trio—De Groot, David Bor, H. M. Calve, "Selection in Hebrew Melodies" (arr. Saunders).
 Piano—Vladimir de Pachmann, "Nocturne in E Minor, Op. 72" (Chopin).
- 7.0: News and market reports.
- 8.0: Chimes. March—Orchestral Octet under direction of Mr. Harold Baxter, "The Soldier" (Bombic); selection, "Iolanthe" (Sullivan).
- 8.15: Mezzo-soprano—Miss Hope Asher, (a) "Christina's Lament" (Dvorak), (b) "My Heart's Desire" (Clark), (c) "Jeunesse" (Barry), (d) "Fat Lil' Feller with His Mammy's Eyes" (Gordon).
- 8.26: Suite—Orchestral Octet, "A Dream of Egypt" (Finden); waltz, "Passion Flower" (Zulueta).
- 8.36: Vocal and instrumental—The Royal Trio, excerpts from "The Bing Boys are Here" (Ayer).
- 8.46: Gramophone lecture-recital by "A Commentator," "Latest Recordings."
- 9.1: Evening weather forecast and announcements.
- 9.3: Tango—Orchestral Octet, "Argentino" (Olique); dance, "Fantastique."
- 9.10: Elocution—Miss Marian Irving, (a) "Mrs. Smythe Brown Buys a Book" (Constanduros), (b) "Cats and Dogs" (Wish Wynne), (c) "If I Should Die To-night" (King).
- 9.22: Vocal and instrumental—The Royal Trio, excerpts from "The Bing Boys are Here."
- 9.32: Morceaux—Orchestral Octet, (a) "Chant Sans Paroles" (Tschalkowsky), (b) "Romance" (Rubinstein), (c) "Serenade" (Borodini).
- 9.43: Gramophone lecture-recital by "A Commentator," "Latest Recordings."
- 10.3: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, JANUARY 29.

- 3.0: Chimes. Selected gramophone recordings.
- 3.15: Lecture—"How to Bring Out Your Best Points." Arranged by the Home Science Extension Department of Otago University.
- 3.30 and 4.30: Sporting results to hand.
- 5.0: Children's session, conducted by Uncle George and Big Brother Jack.
- 6.0: Dinner music session.
 Charles Ancliffe and His Orchestra, "Ancliffe Waltzes" (Ancliffe).
 J. H. Squire's Celeste Octet, "Twilight on the Waters" (Squire).
 Gil Dech Ensemble, "Italian Nights" (Roberts).
- 6.15: Regal Cinema Orchestra, "Sally" Selection (Burke).
 Organ—Quentin Maclean, "Lily of Laguna" (Stuart).
 J. H. Squire's Celeste Octet, "Minuet Sicilienne" (Squire and Hart).
- 6.30: Debroy Somers Band, "Mister Cinders" Selection (Ellis and Myers).
 J. H. Squire's Celeste Octet, "The Picanninnies' Picnic" (Squire).
 Organ—Quentin Maclean, "Little Dolly Daydream" (Stuart).
- 6.45: Albert W. Ketelbey's Concert Orchestra, "The Clock and the Dresden Figures" (Ketelbey).
 J. H. Squire's Celeste Octet, "Minuet in D" (Mozart).
 Albert W. Ketelbey's Concert Orchestra, "Wedgwood Blue" (Ketelbey).
 Gil Dech Ensemble, "Valse Parisienne" (Roberts).
- 7.0: News session, market reports and Sports results.
- 7.40: Lecture—"Mr. W. M. Jackson, 'Gardening Hints.'"
- 8.0: Chimes. A studio concert by the Band of the Wellington Division of the Royal Naval Volunteer Reserve (by permission of the Commanding Officer) and 2YA Artists. March—Band (Conductor, Petty Officer H. Baker), "Old Comrades" (Rimmer). Selection—Band, "Saxonhurst" (Greenwood).
- 8.15: Tenor—Mr. W. Roy Hill, (a) "Flowers in the Crannied Wall"; (b) "The Morepork"; (c) "Eternal Young."
 Bass—Mr. W. Binet Brown, "The Stoic."
 Note: These songs were composed by Joseph W. Carr, of Wellington, and will be accompanied by the composer, Mr. Allon Carr playing the violin obligato.
- 8.27: Waltz—Band, "River of Pearls" (Rimmer); march, "Freedom and Honour" (Rimmer).
- 8.40: Soprano—Miss Veronica Mackenzie, (a) "Alice Blue Gown" (Tierney); (b) "Come, for it's June" (Forster).
- 8.46: Piano duet—Victor Arden and Phil Ohman, "Fashionette."
- 8.49: Selection—Band, "Minstrel Melodies" (Bourie).
- 9.0: Weather report and station notices.
- 9.2: Selections—Chicago Symphony Orchestra, "Slavonic Dance in G Minor" (Dvorak); Berlin State Opera Orchestra, "The Beautiful Galathea."
- 9.14: Baritone—Mr. Will Goudie, (a) "Youth has a Happy Tread" (Lohr); (b) "Time was I Roved the Mountains" (Lohr).
 Tenor—Mr. Chas. Williams, (a) "Take Thou This Rose" (Noel-Johnson); (b) "Affinity" (Noel-Johnson).
- 9.26: Reverie—Band, "Bells of Sunset" (Round).
- 9.36: Lyric Quartet, (a) "Sailors' Chorus" (Parry).
 Soprano—Miss Veronica Mackenzie and Lyric Quartet, (a) "Slumber Song" (Smith); (b) "Uncle Moon" (Scott).
- 9.44: Selection—Band, "La Gipsy" (Rimmer); march, "The Middy."
- 10.0: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, JANUARY 29.

- 3.0: Gramophone recital.
- 3.15: Lecture—"How to Bring Out Your Best Points." Arranged by the Home Science Extension Service, Otago University.

- 4.25: Sports results.
 5.0: Children's hour, "Uncle Frank."
 6.0: Dinner music session.
 Boston Symphony Orchestra, "Frühlingstimmen" (Johann Strauss).
 Organ—Jesse Crawford, "Serenade" (Romberg).
 National Military Band, "Ben Hur" (Byng).
 6.15: Vienna Philharmonic Orchestra, "Dorfschwalben" (Strauss).
 International Novelty Quartet, "Teddy Bears' Picnic" (Bratton).
 Jack Hylton and His Orchestra, "Steppin' Out" (Vauchant).
 6.30: New Mayfair Orchestra, "Wake Up and Dream" (Porter).
 Organ—Jesse Crawford, "Indian Love Call" (Friml).
 International Novelty Orchestra, (a) "To Die Dreaming"; (b) "Four Little Farms."
 6.45: Jack Hylton and His Orchestra, "Old Time Songs."
 International Novelty Quartet, "The Skaters" (Waldteufel).
 Jack Hylton and His Orchestra, "Lonesome Little Doll" (Cowan).
 7.0: News session.
 7.30: Talk—Mr. R. McGillivray, "Grass Strains and Species."
 8.0: Chimes. Classical and Operatic Programme. Arranged by Miss Nellie Hayward. Accompanist, Miss Nellie Hayward.
 Selection—Columbia Symphony Orchestra, "Idilio" (Lack).
 8.3: Soprano and trio—Mrs. Agnes Leeming, "Ave Maria" (Schubert).
 Baritone—Mr. Cleve Stewart, (a) "The Swan and the Lily" (McDowell); (b) "Slumber Song" (Gounod).
 8.12: Piano—Miss Marian Hayward, "Study in D Flat" (Liszt).
 8.17: Mezzo-contralto—Miss Eileen Mahar, (a) "Caro Mio Ben" (Giordani); (b) "I Drink the Fragrance of the Rose" (Clough Leighter).
 Bass—Mr. Peter Amadeo, (a) "Vair Me O" (Kennedy Fraser); (b) "Good Morning Clare" (Pessard).
 8.27: Instrumental—Broadcasting Trio, "Allegro" (from "O Minor Trio").
 8.37: Dramatic contralto—Miss Kathleen Garven, (a) "Largo" (Handel); (b) "The Second Minuet" (Besly).
 Soprano—Mrs. J. Brosnahan, (a) "Someone" (Quilter); (b) "Fairy Pipers" (Brewer).
 8.47: Piano—Miss Marion Hayward, "Polonaise" (McDowell).
 8.50: Soprano—Mrs. Agnes Leeming, "Jewel Song" (from "Faust").
 Contralto—Mrs. F. Bennett, "Tes Yeux" (Rabey).
 Vocal trio—Mesdames Leeming, Bennett and Ledsham, "Anitra's Dance" (from "Peer Gynt") (Grieg).
 9.0: Weather forecast and station notices.
 9.2: Contralto—Mrs. Anita Ledsham, French song, "Paysage" (Hahn); Irish song, "The Little Red Lark" (Tradl).
 9.6: Piano—Misses Nan Ellis and Ethel Rattray, "Rhapsody No. 2" (Liszt).
 9.14: Mezzo-contralto—Miss Kathleen Garven, (a) "The Exquisite Hour" (Hahn); (b) "Trees" (Rasbach); (c) "Home, Sweet Home."
 9.18: Broadcasting Trio, (a) "My Lady Chlo" (Clough Leighter); (b) "Serenade" (Packer); (c) "Orientale" (Cui).
 9.26: Mezzo-contralto and baritone—Mrs. Anita Ledsham and Mr. Cleve Stewart, "O Lovely Night" (Landon Ronald).
 Part song—Eight Voices, "Julia's Garden" (Rogers).
 9.30: Dance music.
 Foxtrots—Ben Selvin and His Orchestra, "Around the Corner."
 Gil Dech and His Syncopators, "You Can't Be Unhappy if You Sing" (Barry).
 Paul Specht and His Orchestra, "Santiago" (Stothart).
 Stellar Dance Band, "Minnie's Yoo-Hoo!" (W. Stalling).
 9.42: Waltz—The Four Bright Sparks, "Eleanor" (McCarthy Hanley).
 Foxtrots—Van Phillips and His Band, "Just Like in a Story Book."
 Gil Dech and His Syncopators, "Bridge of Our Dreams Come True" (Monk).
 9.51: Vocal duet—Sweet and Low Duettists, "By the Waters of Killarney."
 9.54: Foxtrots—Ipana Troubadours, "Cooking Breakfast for the One I Love" (Rose and Tobias).
 Columbia Photo Players, "Leave It That Way" (Fisher).
 Ipana Troubadours, "Kickin' a Hole in the Sky" (Greer).
 Columbia Photo Players, "The Whole Darned Thing's For You" (Ahler).
 10.6: Waltz—Frank Ferera's Hawaiian Trio, "Lazy Louisiana Moon."
 Foxtrots—Paul Specht and His Orchestra, "Into My Heart" (Ahler).
 The Four Bright Sparks, "High Society Blues" (McCarthy).
 10.15: Vocal—Cavan O'Connor, "The Sunshine of Marseilles" (Gilbert).
 10.18: Foxtrots—The Columbia Photo Players, "The Free and Easy."
 Frank Ferera's Hawaiian Trio, "Pale Blue Waters."
 Stellar Dance Band, "The Toy Farm-Yard" (Weston).
 Paul Whiteman and His Orchestra, "Livin' in the Sunlight."
 10.30: Waltz—Stellar Dance Band, "I Feel You Near Me" (McCarthy).
 Foxtrots—The Columbia Photo Players, "It Must Be You" (Turk).
 Ben Selvin and His Orchestra, "With My Guitar and You."
 Paul Whiteman and His Orchestra, "You Brought a New Kind of Love to Me" (Pain).
 Stellar Dance Band, "A Pair of Blue Eyes" (Kernell).
 10.45: Vocal duet—Sweet and Low Duettists, "Just an Old Refrain."
 10.48: Foxtrots—Van Phillips and His Band, "I'm in the Market for You."
 Gil Dech and His Syncopators, "Johnnie, Our Aeroplane Girl" (Lumsdaine).
 Debroy Somers Band, "Figaro" (Mitchell).
 Gil Dech and His Syncopators, "A Lone Girl Flyer."
 11.0: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, JANUARY 29.

SILENT DAY.

Friday, January 30

1YA, AUCKLAND (900 KILOCYCLES)—FRIDAY, JANUARY 30.

- 3.0: Selected gramophone items.
 3.30: Literary selection, and further gramophone recordings.
 5.0: Children's session, conducted by Nod and Aunt Jean.
 6.0: Dinner music session.
 Dajos Bela Orchestra, "I Pagliacci" Selection (Leoncavallo).
 Frank Westfield's Orchestra, "The Druid's Prayer" (Davson).
 Orchestra of the Opera Comique, Paris, "Carmen" Overture (Bizet).
 6.15: Edith Lorand's Orchestra, "Tales of Hoffman" Fantasia.
 Grand Symphony Orchestra, "L'Arlesienne Suite, No. 1": (a) "Minuet," (b) "Adagietto" (Bizet).
 6.30: Dajos Bela Orchestra, "La Traviata" Fantasia (Verdi).
 Grand Symphony Orchestra, "L'Arlesienne Suite, No. 2" (a) "Intermezzo," (b) "Farandole" (Bizet).
 6.45: Edith Lorand's Orchestra, "Cavalleria Rusticana" Fantasia.
 Orchestra of the Opera Comique, Paris, "Carmen—Entr'acte" (Bizet).
 Frank Westfield's Orchestra, "Neapolitan Nights."
 7.0: News and market reports.
 8.0: Chimes. Selection—Plaza Theatre Orchestra, "Gipsy Suite" (German).
 8.17: Soprano—Miss Sylvia Dobbs, (a) "Beat Upon Mine Little Heart" (Nevin); (b) "An Old-World Serenade" (Helmund).
 8.22: Novelty, vocal and instrumental—Frank Wade and His Melody Boys, (a) "Dainty Miss" (Barnes); (b) "Spring-time in the Rockies."
 8.32: A recording on the Regal Cinema organ—(a) "My Mother's Eyes" (Baer); (b) "Long Ago" (Elliott).
 8.38: Soprano—Miss Sylvia Dobbs, (a) "The Gap in the Hedge" (Old Irish); (b) "A Summer Day" (Nevin).
 8.43: Novelty, vocal and instrumental—Frank Wade and His Melody Boys, (b) "Hula Medley" (arrgt); (b) "Down by the Rail Road Track."
 8.53: Instrumental—J. H. Squire's Celeste Octet, (a) "The Butterfly" (Bendix); (b) "The Grasshoppers' Dance" (Bucalossi).
 8.59: Evening weather forecast and announcements.
 9.1: Presentation of the one-act play "Pros and Cons" by Mr. J. W. Bailey and Company. Scene 1—Man Proposes. Scene 2—Woman Espouses. Scene 3—God Disposes.
 10.1: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, JANUARY 30.

- 3.0: Chimes. Selected gramophone recordings.
 3.30 and 4.30: Sporting results to hand.
 5.0: Children's session, conducted by Uncle Jim and the Story Book Lady.
 6.0: Dinner music session.
 Dajos Bela Orchestra, "Pique Dame" Fantasia (Tschaiakowsky).
 Grand Symphony Orchestra, "Polonaise No. 1 in A" (Chopin).
 Dajos Bela Orchestra, "Dynamiden Waltz" (Josef Strauss).
 6.15: Grand Symphony Orchestra, "Hungarian Dances" (Brahms).
 Edith Lorand's Orchestra, "Myosotis Waltz" (Waldteufel).
 Parlophone Dance Orchestra, "The Skaters" (Waldteufel).
 6.30: Orchestra of the Opera Comique, Paris, "Ballet Egyptien" (Luigini).
 'Cello—Gregor Piatigorsky, "The Swan" (Saint Saens).
 6.45: Edith Lorand's Orchestra, "The Merry Widow" Selection (Lehar).
 Grand Symphony Orchestra, "Scherzo From Midsummer Night's Dream" (Mendelssohn).
 7.0: News session, market reports and sports results.
 8.0: Chimes. Note: This programme is subject to interruption to permit of a relay of a Sound Film Feature from the Majestic Theatre.
 Overture—2YA Orchestra (Conductor Signor A. P. Truda) "American Overture" (Franke).
 Popular songs at the piano—Mr. J. J. Standen, (a) "Swingin' in a Hammock" (Wendling), (b) "Cross Your Fingers" (Coots), Jack Farrell and his Banjo Quintet, (a) March the Home Town Band" (Weidt), (b) "Medley-Nigger Minstrels" (Grimshaw).
 Elocution—Miss Zena Jupp, (a) "Replies" (Wilcox), (b) "That Wasn't Being Untrue" (Grant).
 Selection—Orchestra, "Merely Molly" (Finck).
 Bird and Animal Imitations—Mr. Will Vermont.
 Novelties—2YA Orchestra (a) "A Coon's Day Out" (Baynes), (b) "In Bird Land" (Zamecnik).
 Weather report and station notices.
 Jack Farrell and His Banjo Quintet, March, "Tattoo" (Grimshaw).
 Popular songs at the piano—Mr. J. J. Standen, (a) "Where the Golden Daffodils Grow" (Archer); (b) "Little White Lies" (Donaldson).
 Selection—Orchestra, "Mr. Manhattan" (Talbot).
 Elocution—Miss Zena Jupp, "There was an Old Woman that Lived in a Shoe" (Anon).
 Ballet—Orchestra, "My Lady Dragon Fly" (Finck); Foxtrot, "Polly." Dance programme.
 9.30: Foxtrots—Tom Gerun and His Orchestra, "The New Step" (Titsworth).
 Jack Denny and His Mount Royal Hotel Orchestra, "Blondy" (Rubila); "Hang On To Me" (Klages).
 Vocal—Bob Miller and His Hinky Dinkers, "When I Put on My Long White Robe" (Miller).
 Foxtrots—Slatz Randall and His Orchestra, "I'd Do Anything for You."
 9.45: Lloyd Huntley and His Isle o' Blues Orchestra, "Head Low."
 Waltz—Carl Fenton and His Orchestra, "Rock Me to Sleep in Your Arms" (de Voll).
 Foxtrots—Tom Gerun and His Orchestra, "The Web of Love."

- 9.54: Jack Denny and His Mount Royal Hotel Orchestra, "Pretty Little You."
 Mill's Hotsy Totsy Gang, "Some Fun" (Von Eps).
 Jack Denny and His Mount Royal Hotel Orchestra, "Why
 Can't You Love That Way?" (Bourne).
 Vocal duet—Al and Pete, "At Nesting Time" (Bontsema).
 Foxtrots—Louis Kaizman and His Brunswick Orchestra, "Once Upon
 a Time" (Thompson).
 10.9 : Jesse Stafford and His Orchestra, "Feelin' the Way I Do" (Gillespie).
 Lloyd Huntley and His Isle o' Blues Orchestra, "Same Old
 Moon—Same Old June" (Friend).
 Tom Gerun and His Orchestra, "Sing You Sinners."
 Waltz—Bob Haring and His Orchestra, "All That I'm Asking is
 Sympathy" (Davis).
 Foxtrots—Meyer Davis' Hotel Astor Orchestra, "A Year From To-
 day" (Jolson).
 Slatz Randall and His Orchestra, "Blame It on the Moon."
 10.24: Tom Gerun and His Orchestra, "In My Little Hope Chest" (Coslow).
 Meyer Davis' Hotel Astor Orchestra, "He's So Unusual."
 Vocal—Bob Miller and His Hinky Dinkers, "Golden Wings" (Miller).
 10.33: Foxtrots—Jesse Stafford and His Palace Hotel Orchestra, "I Don't
 Want Your Kisses" (Fisher).
 Tom Clines and His Music, "Time Will Tell" (Gilbert).
 Meyer Davis' Hotel Astor Orchestra, "Love" (Amor).
 Tom Clines and His Music, "Perhaps" (Quizas).
 Waltz—Jesse Stafford and His Palace Hotel Orchestra, "Until the
 End" (Fisher).
 10.51: Foxtrots—Jimmie Joy and His Orchestra, "Harmonica Harry."
 Jesse Stafford and His Orchestra, "Last Night Honey."
 Jimmie Joy and His Orchestra, "Can't You Understand."
 11.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, JANUARY 30.

- 3.0 : Gramophone recital.
 4.25: Sports results.
 5.0 : Children's hour, conducted by "Chuckie."
 6.0 : Dinner music session.
 Royal Opera Orchestra, "Sylvia Ballet—Pizzicato and Procession of
 Bacchus" (Delibes).
 New Light Symphony Orchestra, "Scene de Ballet Marionettes."
 Royal Opera Orchestra, "The Sleeping Beauty Panorama."
 6.15: National Symphony Orchestra, "Irish Rhapsody" (Herbert).
 Trio—Fritz and Hugo Kreisler, Michael Rauchs, "Sanctissima."
 6.30: National Symphony Orchestra, "Orpheus in Hades" Overture.
 Royal Opera Orchestra, "Shepherd Fennel's Dance" (Balfour Gardiner).
 6.45: National Military Band, "Lohengrin Prelude" (Wagner).
 New Light Symphony Orchestra, "Persiflage" (Francis).
 Trio—Fritz and Hugo Kreisler, Michael Rauchs, "Arlesienne In-
 termzzo" (Bizet).
 La Scala Orchestra, "The Secret of Susanna" Overture (Wolf).
 7.0 : News session.
 8.0 : Chimes. Overture—Court. Symphony Orchestra, "Windmill Man."
 8.8 : Valencia Quartet, "Evening's Pastorale" (Shaw).
 Tenor—Mr. T. G. Rogers, "Lorraine" (Sanderson).
 8.15: English concertina duets—Theo. and Frances Gunther, (a) "Little
 Irish Rose" (Zamecnik); (b) "Repas March" (Sweeley).
 8.19: Soprano—Miss Lucy Fullwood, "I Heard You Singing" (Coates).
 Bass—Mr. E. J. Johnson, "The Song of the Waggoner" (B. Smith).
 8.26: Violin—Miss Irene Morris, "Souvenir" (Drda).
 8.30: Contralto—Miss Jean Johnson, "Song of the Little Folk" (Coates).
 8.33: Saxophone—Rudy Wiedoeft, "Valse Manzanetta" (Wiedoeft).
 8.37: Humour—Mr. Geo. Titchener, "Fineesh—I Go" (George Ellis).
 8.42: Instrumental—Broadcasting Trio, (a) "Serenade Espagnole" (Glazou-
 nov); (b) "Elegy" (Massenet); (c) "Spanish Dance, No. 1."
 8.52: Chorus—Zono Light Opera Company, vocal gems from "The Merry
 Widow" (Lehar).
 9.0 : Weather forecast and station notices.
 Selection—Symphony Orchestra, "The Mastersingers" (Wagner).
 9.6 : Valencia Quartet, "When the Heart is Young" (Buck).
 Tenor—Mr. T. G. Rogers, "Once Again" (Sullivan).
 9.13: Violin—Miss Irene Morris, "Serenade" (Pierne).
 9.16: Soprano—Miss Lucy Fullwood, "The Splendour of the Morn."
 9.20: English concertina duets with piano—Theo. and Frances Gunther, (a)
 "Echo of Lucerne" (Richards); (b) "Jeannine" (Shilkret).
 9.26: Bass—Mr. E. J. Johnson, "Hatfield Bells" (Easthope-Martin).
 9.29: Selection—La Scala Orchestra, "The Song of the Nightingale."
 9.32: Contralto—Miss Jean Johnson, "Homeward to You" (Coates).
 9.35: Humour—Mr. George Titchener, "Richard Coeur de Leon's Batman."
 9.42: Instrumental—Broadcasting Trio, (a) "Minuet" (Boccherini); (b)
 "Romance" (Sibelius); (c) "Bolero" (Fernandez-Arbo).
 9.53: Soprano and contralto—Valetta Duo, "The Little Old Garden" (Hewitt).
 Valencia Quartet, "The Long Day Closes" (Sullivan).
 10.0 : March—American Legion Band, "Salutation" (Seitz).
 10.3 : God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, JANUARY 30.

- 3.0 : Selected recordings.
 5.0 : Children's session, conducted by "Aunt Sheila."
 6.0 : Dinner music session:
 Berlin State Opera Orchestra, "Mignon" (Thomas).
 Grand Symphony Orchestra, "Tales of Hoffman—Barcarolle."

- 6.15: Edith Lorand's Orchestra, "Faust" Fantasia (Gounod); "Wedding of
 the Winds" (Hall).
 6.30: Berlin State Opera Orchestra, "Italiana in Algeria" (Rossini).
 'Cello—Orabio de Castro, "Nocturne in E Flat" (Chopin).
 6.45: Grand Symphony Orchestra, "Fra Diavolo" (Auber); "Tales of Hoff-
 man—Entr'acte and Minuet" (Offenbach).
 7.0 : News session.
 8.0 : Chimes. Selection—Paul Whiteman and His Concert Orchestra, "Mis-
 sissippi Suite" (Grofe); Novelty Orchestra, "Ginger Snaps."
 8.14: Scotch humour—Mr. James A. Patterson, "In the Morning" (McFar-
 lane); "Hielan Jazz" (Fyffe); "Just Off the Chain" (Lauder).
 8.23: Waltz—Mr. C. D. Dagg's Band, "Old-Timers" (arr. Dagg).
 Common schottische—Band, "Old Favourites" (arr. Dagg).
 8.38: Soprano—Miss Dorothy M. Sligo, "The Flutes of Spring" (Blane);
 "Daffodil Gold" (Hodgson); "Song of the Florian" (Godard).
 8.48: D'Alberts—Mr. C. D. Dagg's Band, "Old Hits" (arr. Dagg).
 9.0 : Weather report.
 9.2 : Organ—Reginald Foort, "Ballet Egyptian" (Luigini).
 9.12: Baritone—Mr. Frank Benton, "Red Devon by the Sea" (Clarke);
 "What am I?" (Adams); "You've Got Your Mother's Eyes."
 9.22: Mazurka—Dagg's Band, "Good Old Times" (arr. Dagg); maxina,
 "Good Old Times."
 9.35: Tenor—Mr. H. Prowse, "A May Morning" (Denza), "Who Knows?"
 (Ball); "The Secret" (Scott).
 9.45: Mandolin Concert Society—"Echoes of the Volga" (Ritter).
 9.53: Waltz—Dagg's Band, "Popular Melodies" (arr. Dagg).
 10.1 : God save the King.

Saturday, January 31

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, JANUARY 31.

- 12.0 : Results of Takapuna Jockey Club's meeting, interspersed with gramo-
 phone recordings.
 5.0 : Children's session conducted by "Cinderella."
 6.0 : Dinner music session:
 Selection—Edith Lorand's Orchestra, "The Vagabond King" (Friml).
 Waltz—Dajos Bela Orchestra, "The Swallows" (Strauss).
 6.15: Selection—Frank Westfield's Orchestra, "Chu Chin Chow" (Norton).
 Dajos Bela Orchestra, "O Sole Mio" (arr. Lindeman).
 Organ—Leslie Harvey, "Absent" (Metcalfe).
 6.30: Waltzes—Dajos Bela Orchestra, (a) "Oh, Spring, How Fair Thou
 Art" (Lincke), (b) "Songs d'Amour Apres le Bal" (Czibulka).
 Dajos Bela Orchestra, "Humoresque" (Dvorak).
 6.45: Dorsey Bros. Orchestra, "Was it a Dream?" (Coslow).
 Organ—Leslie Harvey, "Until" (Sanderson).
 Waltz—Dajos Bela Orchestra, "Faust" (Gounod).
 7.0 : News and market reports.
 8.0 : Chimes. March—The Orchestral Octet under the direction of Mr.
 Harold Raxter, "Jollity" (Ganglberger); selection, "The Show
 Boat" (Kern).
 8.13: Soprano—Miss Adele Taylor, (a) "A Little Coon's Prayer" (Hope),
 (b) "The Nightingale of Lincoln's Inn" (Oliver), (c) "Oh, Bother,
 Sang the Thrush" (Lehmann), (d) "Down Vauxhall Way."
 8.24: Humour—Phil Baker, "At the Theatre."
 Will Kings, (a) "Bertram at the Rotary Dinner" (Merry),
 (b) "Bertram Addresses the Tenants" (Rutherford).
 8.39: Bass-baritone—Mr. Arthur Wright, (a) "I Am a Friar of Orders Grey"
 (Reeve), (b) "Plymouth Hoe" (Lennard), (c) "The Roving Life."
 8.50: Morceaux—The Orchestral Octet, (a) "Dawn in the Valley of the
 Kings" (Wood), (b) "The Crown of Love" (Tipping).
 8.58: Evening weather forecast and announcements.
 9.0 : Novelty piano—Mr. G. S. Johnson, (a) "Jazz Medley" (arr. Johnson),
 (b) "Herald of Peace" (Paul), (c) "The Stein Song" (Fenstad),
 (d) "Around the Corner" (Kahn).
 9.11: Characteristic—The Orchestral Octet, "A Tank Ride" (Lotter); inter-
 mezzo, "A Legend" (Reynard).
 9.19: Scottish contralto—Miss Buntly Stuart, (a) "Angus Macdonald"
 (Roedel), (b) "The Auld Hoose" (Smith), (c) "My Ain Folk"
 (Lemon), (d) "John Anderson, My Jo" (Maxfield).
 9.30: Novelty—The Mississippi Minstrels, "An Old-Time Minstrel Show."
 9.45: Selection—Orchestral Octet, "Lightning Switch" (Alford); suite,
 "Americana" (Thurban).
 10.2 : Programme of dance music:
 Foxtrots—Earl Burnnett and His Los Angeles Biltmore Hotel Orches-
 tra, "So Beats My Heart for You" (Henderson).
 Roger Wolfe Kahn and His Orchestra, "Cheer Up" (Klages).
 Earl Burnnett and His Los Angeles Biltmore Hotel Orches-
 tra, "Singing a Song of the Stars" (Johnson).
 Jack Denny and His Mount Royal Hotel Orchestra, "Girl
 Trouble" (Fisher).
 10.12: Waltz—Castlewood Marimba Band, "Old New England Moon."
 Foxtrots—Isam Jones's Orchestra, "Not a Cloud in the Sky" (Jones).
 Jesse Stafford and His Palace Hotel Orchestra, "I Like to
 Do Things for You" (Yellen).
 10.21: Vocal—Chester Gaylord, "When I'm Looking at You" (Grey).
 10.24: Foxtrots—Ben Bernie and His Orchestra, "Black Eyes."
 Jesse Stafford and His Palace Hotel Orchestra, "To-night."
 Ben Bernie and His Orchestra, "Sharing" (Davis).

- 10.33: Waltzes—Castlewood Marimba Band, "If You Can't Have the Girl of Your Dreams" (Young).
Ben Bernie and His Orchestra, "The Kiss Waltz" (Dubin).
Foxtrots—Colonial Club Orchestra, "My Future Just Passed" (Marion).
Jack Denny and His Mount Royal Hotel Orchestra, "Leave It That Way" (Rice).
10.45: Vocal—Chester Gaylord, "Under a Texas Moon" (Perkins).
10.48: Foxtrots—Frank Sylvano and His Orchestra, "So Sweet" (Gillespie).
Hal Kemp and His Orchestra, "I Remember You From Somewhere" (Warren).
Frank Sylvano and His Orchestra, "After Sunday Afternoon" (Harris).
Colonial Club Orchestra, "With My Guitar and You."
11.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, JANUARY 31.

- 3.0: Chimes. Selected gramophone recordings.
3.30 and 4.30: Sporting results to hand.
5.0: Children's session conducted by "Aunt Molly."
6.0: Dinner music session:
Great Symphony Orchestra, "Vienna Operetta Revue" (Robrecht).
Jacques Jacobs Ensemble, "Wiener Blut" (Strauss).
6.15: Band of H.M. Grenadier Guards, "La Benediction des Poignards."
Jacques Jacobs Ensemble, "España Waltz" (Waldteufel).
Plaza Theatre Orchestra, "My Lady Dainty" (Hesse).
Jacques Jacobs Ensemble, "Sobre Las Olas" (Rosas).
6.30: Symphony Orchestra, "Countess Mariza" (Kalman).
Jacques Jacobs Ensemble, "L'Estudiantina" (Waldteufel).
6.45: B.B.C. Wireless Symphony Orchestra, "Il Trovatore" selection (Verdi).
Band of H.M. Grenadier Guards, "Lo! Here the Gentle Lark" (Bishop).
Plaza Theatre Orchestra, "The Busy Bee" (Bendix).
7.0: News session, market reports and sports results.
8.0: Chimes. Overture—Salon Orchestra (Conductor, Mr. M. T. Dixon), "Pique Dame" (Suppe); "Love's Old Sweet Song" (Molloy).
8.16: Contralto—Mrs. Dorothy Murray, (a) "The Fragrance of a Rose" (Howard); (b) "Wait" (D'Hardelot); (c) "Liebestraum" (Liszt).
8.27: Instrumental—Mrs. Mildred Kenny's Mandolin Orchestra, (a) "Les Picadors Marche" (Grimshaw); (b) "O'er the Lagoon" (Paroletti); (c) "Love's but a Dream" (Paroletti); (d) "Dorinda Polka."
8.42: Sketch—"Passengers" (Lucas). Characters: Captain Stone, O. M. Pritchard; Olga White, Miss V. Shannon; Welford Polk, Fred Barker.
9.2: Weather report and station notices.
9.4: Selection—Salon Orchestra, "No, No, Nanette" (Youmans); violin, Mr. Wm. Haydock, "Ozardas" (Monti).
9.19: Soprano—Mrs. R. Sierakowski, (a) "Just a Cottage Small" (Hanley); (b) "Dream Lover" (Schertzing), (c) "I Love to Hear You Singing" (Wood).
9.29: Novelty—The Mississippi Minstrels, "An Old-Time Minstrel Show."
9.45: Novelette—Salon Orchestra, "Country Garden" (Grainger); latest dance novelties.
10.0: Foxtrots—Colonial Club Orchestra, "Out of Breath" (Mercer).
Andy Kirk and His Twelve Clouds of Joy, "Sweet and Hot."
Colonial Club Orchestra, "I Am Only Human, After All."
Tom Clines and His Music, "Bye Bye Blues" (Bennett).
10.12: Waltz—Castlewood Marimba Band, "Waiting for You" (Green).
Foxtrots—Colonial Club Orchestra, "Hittin' the Bottle" (Koehler).
Ben Bernie and His Orchestra, "Highway to Heaven."
10.21: Vocal—Allen McQuhae, "At the End of a Cobblestone Road" (Sanders).
10.24: Foxtrots—Anglo-Persians, "In Memory of You" (Dubin).
Ben Bernie and His Orchestra, "Love Comes in the Moonlight" (Dubin).
Colonial Club Orchestra, "How are You To-night in Hawaii?"
10.33: Waltz—Ray Miller and His Orchestra, "Beneath Montana Skies."
Foxtrots—Isham Jones's Orchestra, "Miss Hannah" (Redman).
Earl Burnett and His Los Angeles Biltmore Hotel Orchestra, "Here Comes the Sun" (Freed).
10.42: Vocal—Allen McQuhae, "The Dawn Brought Me Love and You."
10.45: Foxtrots—Abe Lyman and His California Orchestra, "If You're Not Kissing me" (Freed).
Tom Gerun and His Orchestra, "Sittin' on a Rainbow."
Castlewood Marimba Band, "Lo Lo" (Feist).
10.54: Foxtrots—Colonial Club Orchestra, "Out of a Clear Blue Sky."
Tom Clines and His Music, "I'm Needin' You" (Young).
11.0: Sporting summary.
11.10: God save the King.

3YA, CHRISTCHURCH (930 KILOCYCLES)—SATURDAY, JANUARY 31.

- 3.0: Gramophone recital.
4.25: Sports results.
5.0: Children's hour—"Aunt Pat."
6.0: Dinner music session.
New Symphony Orchestra, "Toy Symphony" (Romberg).
Concert Orchestra, "Minuet" (Boccherini).
International Novelty Orchestra, "Lazy Pete" (Kersten).
6.15: Zenophone Salon Orchestra, "Old Rustic Bridge" (Skelly).
International Novelty Orchestra, "Eva Waltzes" (Lehar).
Organ—Sidney Gustard, "Cuckoo" (Jonasson).
International Novelty Quartet, "Over the Waves" (Rosas).

- 6.30: International Novelty Orchestra, "Carmen Sylva" (Ivanovici).
Zenophone Salon Orchestra, "Killarney" (Balfe).
International Novelty Orchestra, "Parade of the Wooden Soldiers."
International Novelty Quartet, "See Me Dance the Polka."
6.45: Concert Orchestra, "Souls Bois" (Staub).
Organ—Sandy Macpherson, "I Promise" (Hirsch).
National Symphony Orchestra, "Zampa" Overture (Herold).
7.0: News session.
7.30: Sports results.
8.0: Chimes. Overture—Circolo Mandolinistico, "Semiramide" (Rossini).
8.8: Baritone—Mr. E. A. Dowell, "I'll Take You Home Again, Kathleen."
8.12: Steel guitars and ukulele—Elaine Moody's Hawaiian Quartet, (a) "I've a Little Love Song" (Trysel-Stahelle); (b) "What Have I Done?" (Jurmann); (c) "If I Had My Way" (Green) (vocal refrains by Elaine Moody).
8.21: Male quartet—Shanon Quartet, (a) "Jingle Bells" (Traditional); (b) "Quilting Party" (Traditional).
8.27: Cello—Mr. Harold Beck, "Prize Song" (from "The Mastersingers").
8.30: Soprano—Mrs. C. E. McDowall, "You're Always in My Arms."
8.34: Instrumental—Broadcasting Trio, (a) "Forget Me Not" (Macbeth); (b) "Serenade" (Titli); (c) "Romance" (Van Goens).
8.45: Humour—Michael Casey, "Casey Selling Patent Medicines" (Casey).
8.48: Piano and violin improvisations—Messrs. G. Goodland and D. Mitchell, "Rio Rita" Selections (arrgd. Goodland and Mitchell).
8.55: Clarinet—Mr. S. E. Munday, "Summer Night" (Pillevestre).
8.59: Weather forecast and station notices.
9.1: Selection—National Symphony Orchestra, "Bohemian Girl" (Balfe).
9.5: Baritone—Mr. E. A. Dowell, (a) "Sweet Genevieve" (Tucker); (b) "When all the World's at Peace" (C. N. Grant).
9.11: Steel guitars and ukulele—Elaine Moody's Hawaiian Quartet, (a) "Where Can You Be" (Greer-Klages); (b) "Moonlight Nights in Hawaii" (Klickmann); (c) "Lonely Troubadour" (Klennar).
9.20: Comedy—Henry Hearty, "I Ain't Never Been Kissed" (Gilbert).
9.23: Cello—Mr. Harold Beck, "Serenade" (Popper).
9.26: Soprano—Mrs. C. E. McDowall, (a) "If I'm Dreaming" (from "Sally") (Kern); (b) "Sweetheart of All My Dreams" (Fitch).
9.32: Piano and violin improvisations—Messrs. B. Goodland and D. Mitchell, (a) "Waiting" (arrgd. Goodland and Mitchell); (b) "I'm So Tired."
9.39: Vocal jazz—Ukulele Ike, "Chiquita" (Wayne-Gilbert).
9.42: Clarinet—Mr. S. E. Munday, (a) "Regrets d'Amour" (Bright); (b) "Air—Rocked in the Cradle of the Deep" (Knight).
9.48: Humour—Milton Hayes, "Is Lipstick Nourishing?" (Hayes).
9.51: Instrumental—Broadcasting Trio, (a) "Chant d'Amour" (Zarzycki); (b) "Les Rameux" (Faure); (c) "La Lisonjera" (Chaminade).
10.0: Dance music.
Foxtrots—Broadway Players, "I'm Following You" (Dreyer).
Carl Fenton and His Orchestra, "Bless Her Little Heart."
Broadway Players, "Redhead" (Embry-Johnson).
Carl Fenton and His Orchestra, "That Wonderful Something is Love" (Goodwin).
10.12: Waltz—Broadway Players, "All Day Long" (Cross).
Foxtrots—Cova Cavaliers, "Mona" (Conrad).
Carl Fenton and His Orchestra, "A Little Kiss Each Morning" (Harry).
10.24: Foxtrots—Cova Cavaliers, "How Long Must I Wait for You?"
New Yorkers, "Oriental Moonlight" (Seamen).
Carl Fenton and His Orchestra, "Hello, Little Sweetheart."
Pletcher's Eli Prom Trotters, "That's Where You're Wrong."
10.36: Waltz—Broadway Players, "Shepherd's Serenade" (Grey).
Foxtrots—Zenith Knights, "Congratulations" (Pinkard).
Pletcher's Eli Prom Trotters, "I Like to do Things for You" (Ager).
10.45: Vocal—F. Luther, C. Robinson, "Down on the Old Plantation."
10.48: Foxtrots—Jack Montrose Orchestra, "I'm So Tired of it all" (Hanley).
Broadway Players, "Should I Be Sorry" (Kapp); "With You" (Berlin).
New Yorkers, "Under a Texas Moon" (Ray Perkins).
11.0: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, JANUARY 31.

- 3.0: Selected recordings.
5.0: Children's hour, conducted by Uncle Sambo.
6.0: Dinner music session.
Royal Opera Orchestra, "Faust Ballet Music—1st-4th Movements."
San Francisco Symphony Orchestra, "Rosamunde Entr'acte."
6.15: National Symphony Orchestra, "Stradella" Overture (Flotow).
Organ—Reginald Foort, "The Riff Song" (Romberg).
Philadelphia Symphony Orchestra, "Samson and Delilah" (Saint-Saens).
6.30: Royal Opera Orchestra, "Faust Ballet Music—5th-7th Movements."
Organ—Reginald Foort, "The Desert Song" (Romberg).
Philadelphia Symphony Orchestra, "Damnation of Faust" (Berlioz).
6.45: National Military Band, "Ballet Egyptien" (Luigini).
National Symphony Orchestra, "Norma" Overture (Bellini).
7.0: News session.
8.0: Chimes. Selection—Band of H.M. Coldstream Guards, "La Fille de Madame Angot" (Lecocq).
8.9: Baritone—Mr. A. Snell, "The Toast" (Squire); "The Still Lagoon."
8.15: Selection—String Orchestra, "Dancing Mistress" (Monckton); "Dawn in the East" (Mustal).
8.27: Humour—Fanny Brice, "Mrs. Cohen at the Beach" (Caesar).

- 8.33: Soprano—Miss Evelyn Shepard, "Sing, Break Into Song" (Mallinson).
 8.36: Selections—String Orchestra, "Belle of New York" (Kerker); "Irish Patrol" (Puerner).
 8.48: Tenor—Mr. E. W. Robbins, "The Promise of the King" (Verne); "Somewhere a Voice is Calling" (Tate).
 8.54: Violin—Miss Betty Garland, "Liebestraume" (Liszt).
 9.0: Weather report and station notices.
 9.2: Organ—Spencer Shaw, (a) "Simple Aveu" (Thome); (b) "Salut d'Amour" (Elgar).
 9.8: Baritone—Mr. A. Snell, "Friend" (Davies).
 9.12: Selection—String Orchestra, "Madame Butterfly" (Puccini); march, "Indian Blood" (Mattausch).
 9.24: Chorus—Light Opera Companw, vocal gems from "The Bohemian Girl."
 9.30: Soprano—Miss Evelyn Shepard, (a) "When Song is Sweet" (Sans Souci); (b) "Little Red Dawn" (Chater).
 9.36: Valse—String Orchestra, "Hawaiian Dreams" (Marple).
 Potpourri—"Happy Days in Dixie" (Bidgood).
 9.48: Tenor—Mr. E. W. Robbins, "Serenata" (Toselli).
 9.52: Guitar—Walter Kolomoku's Honoluluans, "Southern Melodies—Waltzes No. 1 and 2."
 10.0: Dance session.
 Foxtrots—Tom Gerunovich and His Roof Garden Orchestra, "Am I Blue?" (Clarke Akst).
 Carl Fenton and His Orchestra, "Laughing Marionette."
 Roger Wolfe Kahn and His Orchestra, "'Twas Not So Long Ago" (Hammerstein).
 Ray Miller and His Orchestra, "That's Where You Come In."
 10.12: Roy Ingraham and His Orchestra, "Like a Breath of Springtime."
 Carl Fenton and His Orchestra, "Sweetness" (Miller).
 Roger Wolfe Kahn and His Orchestra, "Don't Ever Leave Me"
 Roy Ingraham and His Orchestra, "Deep in the Arms of Love" (Davis).
 10.24: Vocal—Charles King, "Happy Days are Here Again" (Ager).
 10.27: Foxtrots—Roger Wolfe Kahn and His Orchestra, "Why Was I Born?"
 Ray Miller and His Orchestra, "In a Kitchenette" (Dubin).
 Roger Wolfe Kahn and His Orchestra, "Here Am I."
 Ray Miller and His Orchestra, "Ain't You Baby?"
 Tom Gerunovich and His Orchestra, "Let Me Have My Dreams" (Clarke).
 Waltz—Jesse Stafford and His Orchestra, "A Bundle of Old Love Letters" (Freed).
 10.45: Vocal—June Pursell, "Never Say Die" (Robin).
 10.48: Foxtrot—Jesse Stafford and His Orchestra, "Only Love is Real."
 Vocal—June Pursell, "The Album of My Dreams" (Davis).
 Foxtrots—Jesse Stafford and His Orchestra, "Should I?" (Freed).
 Henry Lange and His Baker Hotel Orchestra, "Somebody Loves Me" (MacDonald).
 11.0: God save the King.

Sunday, February 1

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, FEBRUARY 1.

- 3.0: Gramophone recordings.
 3.30: Literary selection.
 6.0: Children's session, conducted by Uncle Bert.
 6.55: Relay of Divine Service from St. Mary's Cathedral. Preacher, Canon William Fancourt. Organist and Choirmaster, Mr. Edgar Randall.
 8.30: (approx.) Relay from the Albert Park of concert by the Auckland Municipal Band (Conductor, Mr. George Buckley).
 9.30: (approx.) God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, FEBRUARY 1.

- 3.0 to 4.30: Afternoon session of selected gramophone recordings.
 6.0: Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from St. Giles Church, Lyall Bay.
 7.0: Relay of Evening Service from Church of Christ, Vivian Street, Wellington. Preacher: Pastor W. G. Carpenter. Organist: Miss Hazel Hunter.
 8.20 (approx.): Studio Concert by the Miramar Silver Band (Conductor Mr. R. A. Sutherland) and 2YA Artists.
 Selection—Band, "Il Conte Ory" (Rossini).
 Soprano—Miss Lalla Vondersloot, (a) "The Waters of Minnetonka" (Lieurance), (b) "Stolen Wings" (Willeby).
 Baritone—Mr. A. W. Beckford, (a) "Invictus" (Hahn), (b) "Requiem" (Homer).
 March—Band, "Silver King" (Greenwood).
 Tenor—Mr. Harry Phipps, (a) "An Evening Song" (Blumenthal), (b) "The Message" (Blumenthal).
 Contralto—Miss Mollie Fenton, (a) "Harvest Slumber Song" (Needham), (b) "Life's Epitome" (Rae).
 Waltz—Band, "Amourette" (Rimmer).
 Weather report and station notices.
 Duet—Miss Mollie Fenton and Miss Lalla Vondersloot, "Hold Thou My Hand" (Briggs).
 Cornet—Corporal J. H. Newton, "Out of the Silence" (Geehl).
 Tenor—Mr. Harry Phipps, (a) "Lead Kindly Light" (Evans), (b) "Dream of Paradise" (Gray).

- 'Cello—W. H. Squire, (a) "Largo" (Handel), (b) "Humoresque."
 Duet—Miss Mollie Fenton and Miss Lalla Vondersloot, "The Dream Minuet" (Beethoven).
 March—Band, "Integrity" (Newby).
 Baritone—Mr. A. W. Beckford, "Blow, Blow Thou Winter Wind."
 Naval Patrol—Band, "Our Bluejackets" (Meacham and Rimmer).
 March "Winning Hazard" (Chapman).
 God save the King.

3YA, CHRISTCHURCH (930 KILOCYCLES)—SUNDAY, FEBRUARY 1.

- 3.0: Gramophone recital.
 4.30: Close down.
 5.30: Children's Song Service by children of the Anglican Sunday Schools.
 6.15: Chimes from Studio.
 6.30: Musical recordings from studio.
 7.0: Relay of evening service from St. Mary's Anglican Church, Merivale. Preacher: Ven. Archdeacon Haggitt. Organist and Choir Conductor: Mr. Alfred Worsley.
 8.0: Open Air Band Programme by Woolston Band. Conducted by Mr. R. J. Estall, and assisted by 3YA Artists. March—Band, "Harlequin."
 8.4: Dulcet Quartet—"Peace Gentle Peace" (Elgar).
 Contralto—Miss Nellie Lowe, "Oh, Beautiful Star" (Kellie).
 Tenor—Mr. Jas. Shaw, "The Willow" (Thomas).
 8.14: Selection—Band, "Sailors' Memories" (Hawkins).
 8.24: Soprano—Mrs. W. B. Harris, "Kishmul's Gally" (Kennedy-Fraser).
 Baritone—Mr. A. G. Thompson, "Song of the Volga Boatmen."
 Soprano and Contralto—Dulcette Duo, "Angelus" (Chaminade).
 8.34: Trombone solo—Bandsman E. Williams, "Winning Spirit" (Clough).
 8.39: Contralto—Miss Nellie Lowe, (a) "In the Great Unknown" (D'Hardelet), (b) "What Shall I Sing You" (Barry).
 8.45: Cornet duet—Bandsmen R. Ohlsen and J. Annand, "Sandy and Jock."
 8.51: Tenor—Mr. Jas. Shaw, "The Scent of the Lilies" (Cobb).
 8.55: Characteristic Piece—Band, "The Grasshopper" (Bucalossi).
 9.0: Weather forecast and station notices.
 9.2: Baritone—Mr. A. G. Thompson, "Dreams" (Meale).
 9.5: Xylophone—Bandsman Harold Biggs, "Chinkie Lee" (Franklyn).
 9.9: Soprano—Mrs. W. B. Harris, (a) "Skyfishers Song" (Kennedy-Fraser); (b) "Land of Heart's Desire" (Kennedy-Fraser).
 9.14: Sketch—Band, "Swanne River" (Myddleton).
 9.22: Tenor—Mr. Jas. Shaw, "Youth" (Allitsen).
 9.26: March—Band, "Organic" (Scott).
 God save the King.

Australian Programmes

Times Corrected for New Zealand

Thursday, January 2.

- STATION 2FC, 10 p.m.—"So This is London," a three-act play by the A.B.C. Players.
 2BL, 10.21 and 11.32 p.m.—The Clare Trio. 10.28 and 11.39 p.m.—Clement Q. Williams, baritone.
 3LO, 10 p.m.—"Tunin and Hear'em."
 10.30 p.m.—Dance numbers, interspersed with novelty items.
 3AR, 10.15 p.m.—Studio reproductions.

Friday, January 23.

- STATION 2FC, 10 p.m. and 10.37 p.m.—The Keston Trio. 10.14 p.m. and 11.7—Frank Ryan, comedian. 11.15 p.m.—Relay from 3LO, Melbourne.
 2BL, 10 p.m.—An hour's organ recital. 11 p.m.—"Anti-Climax," a one-act play.
 3LO, 10 p.m.—Classical and operatic selections. 10.30 p.m.—"Ye Olde Minstrel Show." 11.15 p.m.—Brass band recital.
 3AR, 10.15 p.m.—Community singing from the Central Hall, Geelong.

Saturday, January 24.

- STATION 2FC, 10 p.m. and 11 p.m.—Senia Chostakoff, tenor. 10.29 p.m.—"Mozart Concerto in E Flat." 11.19 p.m.—Vincent Aspey, violinist.
 2BL, 10 p.m. and at intervals throughout the evening, the A.B.C. Dance Band. 10.16 p.m. and 11.51 p.m.—Fred Cross, comedian. 10.30 p.m.—Boxing contest relayed from Sydney Stadium. 10.7 p.m. and 12.8 p.m.—John Warren, tenor.

- 3LO, 10 p.m.—Short ballad concert. 10.40 p.m.—"Tunin and Hear'em." 11 p.m.—"The Siege of Londonderry." 11.30 p.m.—"New Ideas," a revue.
 3AR, 10.10 p.m. and 11.13 p.m.—Iza Crossley, soubrette. 10.22 p.m., and at subsequent intervals, description of dirt track motor-cycling events.

Sunday, January 25.

- STATION 3LO, 10 p.m.—Concert by Brunswick City Band and assisting artists. 11 p.m.—"The Sundowners' Quartet."
 3AR, 9 p.m.—"Divine service from Collins Street Baptist Church. 10.30 p.m.—Relay from 2BL, Sydney

Monday, January 26.

- STATION 3LO, 10 p.m.—An all-Australian programme, in recognition of Foundation Day. 10.30 p.m.—"The Touch of Silk," a three-act play. 12.10 p.m.—Australian music and verse.
 3AR, 10 p.m.—Relay of concert from Warragul.

Tuesday, January 27.

- STATION 3LO, 10 p.m.—"In Memory Lane," some old-time melodies. 11.10 p.m.—"The Singer in the Haunted House," a mystery play. 11.40 p.m.—"Humoresque," a light comedy scena.
 3AR, 10.15 p.m.—Short vi lin recital and male quartet. 11.35 p.m.—Light music and ballads.

Wednesday, January 27.

- STATION 3LO, 10 p.m.—"Famqu's Composers," Coleridge Taylor. 10.45 p.m.—Pianoforte and vocal recital. 11.15 p.m.—The A.B.C. Military Band, with assisting artists.
 3AR, 10 p.m.—"Lady Windermere's Fan," a four-act play, by Oscar Wilde.

Notes on Reception

EXCEPT for some very severe static, conditions have improved recently. There is plenty of variety "on the air" from all continents, and twenty countries. Most of the latter were heard on Saturday.

The countries heard during the week were: England, France, Germany, Holland, Morocco, Russia, Philippine Islands, Indo-China, Siam, Java, Australia, Suva, Canada, United States, Honduras, Costa Rica, Argentine, Mexico, and New Zealand.

Log for Week Ending January 17.

RV15, Siberia, 70.1 metres.—Every evening at good volume, but plenty of static.

59 metres (about).—Saturday midnight, music and talk R8. Static too bad to be readable.

WX9F, Chicago, 49.83 metres.—Good volume after 5 p.m.

PK3AN, Java, 49.70 metres.—After midnight Saturday R8. Static very bad.

49.4 metres (about).—This station starts at 6 a.m. each morning, at varying volume, but I have not been able to identify it. It has either been too weak or, if loud enough, static has spoilt reception. Each morning at 6.30 a.m. a time-signal is heard similar to Greenwich, that is, six dots. This station may be W9XAA, but the speech is not the typical American.

WSXAL, Boundbrook, N.J., 49.18 metres.—Splendid volume and quality till 6 p.m. each evening.

W2XE, New York, 49.02 metres.—Sunday and Saturday very weak at 5 p.m.

Saigon, Indo-China, 49 metres.—Was heard on Thursday, Friday and Saturday from 11.30 p.m. Very good volume. Their native music is very weird.

WSXX, Pittsburgh, 48.86 metres.—Sunday R5 at 5 p.m. with a background of noise.

KIXR, Manila, 48.80 metres.—Sunday, Tuesday, Wednesday and Thursday from 10 p.m. Volume good, but too much static for good reception. There was not any sign of KIXR on other evenings.

HRB, Honduras, 48.62 metres.—Saturday, from just audible at 4.30 p.m. increased to R5 at 5 p.m., but was very distorted.

45.4 metres (about).—Good volume each morning, going off to just audible by 7.30 a.m.

2ZJ, Gisborne, 45 metres (about).—At 4 p.m. Saturday records at R8, quite good.

1ZK, Auckland, 44.8 metres (about).—A harmonic of this station, but heard on Sunday morning till 10.25 a.m. at R8 broadcasting a church service, and again during the afternoon.

MAKE YOUR SET COMPLETE By Adding one of—

Mack's Famous Short-wave "ADD-A-PHONE"

It Performs Excellently on all Types of Sets, and can be used independently.

Many Users Testify

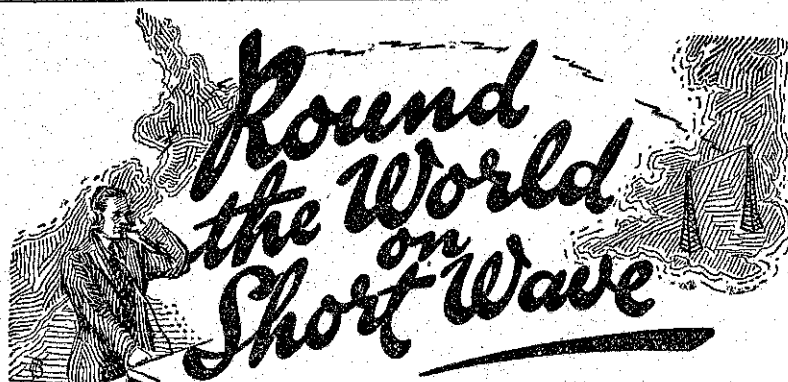
As to its Performances, as can be seen from the numerous letters on our files.

CALL AND INSPECT this Wonderful Little Set.

Built by—

MACK'S RADIO SERVICE

76-77 KENT TERRACE.
Phone 23-448. WELLINGTON



WND, America, 44.4 metres.—Saturday, 4.50 p.m., R8. Duplex with England.

43.4 metres (about).—English station, also R8 talking to WND.

3ME, Melbourne, 31.55 metres.—Saturday from 10 p.m. Maximum volume with one stage audio.

W2XAF, Schenectady, 31.48 metres.—Sunday and Saturday afternoons. The Radio Keith Orpheans were good on the latter day till 4 p.m. Also Tuesday and Wednesday evenings, records at R8, static bad.

Zeesen, Germany, 31.38 metres.—Each morning, but very weak except on Friday, when they were R8 at 6 a.m., soon reducing to very weak.

WIXAZ, Springfield, Mass., 31.35 metres.—Saturday, reaching R7-8 by 4.30 p.m., when they signed off.

PCJ, Holland, 31.28 metres.—Thursday, Friday and Saturday mornings, volume poor, except Saturday, when R8 was reached at 7.30 a.m., spoilt by rapid fade. On Saturday afternoon PCJ did not get above R3.

NRH, Costa Rica, 30.5 metres.—Saturday, 2.45 p.m., R5, very gushy, a trifle better at 3 p.m.

LSX, Buenos Aires, 28.9 metres.—Saturday, very gushy at R7 at 1 p.m.

G5SW, Chelmsford, 25.53 metres.—Each morning, except Sunday and Monday, weak with rapid fade.

12RO, Rome, 25.40 metres.—This station has been wandering on its wavelength the last few days. Tuesday and Saturday they were on 25.4 metres, Monday about 26 metres, and Thursday down to 25.2 metres—just below WSXX instead of just above.

WSXX, Pittsburgh, 25.25 metres.—Each morning, but very weak.

FTN, Paris, 24.46 metres.—Duplex each evening with Rabot after 10 p.m. Always good volume.

PLM, Java, 24.46 metres.—Saturday from 11 p.m. till 11.30 p.m., Children singing. These items were very enjoyable, received at R9. Kootwijk was called and spoken to at 11.30 p.m., after which the children were heard again. Later they were talking to Amsterdam.

Rabat, Morocco, 23.86 metres.—Each evening duplex with FTN. On Friday at 10.45 p.m. the "Radio Maroc" short-wave broadcast station, was heard from 10.45 p.m. Music was R7, but talk much weaker. The word "Rabat" was heard in the call. At 10.50 p.m., after an item, a whistle was heard, followed by the call and talk. The wavelength is just below the duplex station and is scheduled as daily from 9 p.m. till 1 a.m., N.Z. summer time.

CJA, Drummondville, Canada, 23.7 metres.—Saturday, 10.20 p.m., R8, talking to London.

XDA, Mexico, 20.5 metres.—Mornings, starts soon after 7.30 a.m. All talk, strength varies.

VPD, Suva, 20.3 metres (about).—Sunday morning from 10.15 p.m., calling "Hullo" and continuing. 2ME called Suva a number of times, but could not get a reply.

W2XAD, Schenectady, 19.5 metres.—Each morning, but not above R4.

PMC, Java, 16.5 metres.—Friday, after 11 p.m. duplex with Holland. R8.

PCK, Holland, 16.3 metres.—Tuesday, Wednesday, Thursday and Friday. Re-

ords and duplex with Java, from about 10.30 p.m.

PMB, Java, 14.55 metres.—Wednesday and Thursday from 10.20 p.m. Records and duplex with Holland at R8.

Short-wave Club

Nucleus of N.Z. Organisation

SHORT-WAVE listeners throughout New Zealand will be interested to learn that the nucleus of a short-wave club has been formed in Wellington. This organisation is to embrace the whole of the country—to take in town and country listener alike. Its aims, as outlined at a preliminary meeting of well-known short-wave radio authorities, are briefly to afford opportunity to experimenters and listeners of meeting or corresponding, and to assist beginners in short-wave listening by showing them how to set about obtaining the best results. It is hoped to place before listeners talks and articles by leading authorities on the subject, to endeavour to educate them as to what is required in the way of reports on reception, and to arrange programmes for test. Such were the ideas of the convenor of the meeting, Mr. A. B. McDonagh, a well-known short-wave listener.

At the preliminary meeting it was definitely decided to proceed with the club, and at the suggestion of Mr. Sellens, it will be known, at least for the present, as the New Zealand Short Wave Listeners' Club. It was strongly emphasised by several present that the activities of the

club be given full publicity to listeners through the Radio Press.

The meeting was only a "private" one. Nothing definite, other than to proceed with the project, was decided, but arrangements were made for an inaugural meeting to be held in the near future. In the intervening period the club was to be made known to all interested, and suggestions would be received which at the next meeting would receive attention.

Commenting on this topic, Mr. G. R. McCarthy remarked on the popularity of the "Radio Record's" DX columns, and suggested that something of the same nature might be put into operation for the short-wave listeners. Furthermore, the "Questions and Answers" showed clearly that listeners were becoming interested in short-wave work, and desired help. This must be the chief aim of the club. This resolution was wholeheartedly agreed to.

Furthermore the club members should be taught to make out reliable reports on reception. Perhaps the amateur transmitters would co-operate in the way of special broadcasts. Two members were deputised to raise the question at the next meeting of the N.Z.A.R.T.

Discussing the age limit, it was decided for the present to leave the question open. There might be suggestions forthcoming from listeners remote from Wellington. Due to the interest that ladies were showing in radio generally they should be welcomed into the club.

Until the general meeting, the date of which could not be fixed, was held, it would be necessary to elect a temporary chairman and secretary. The meeting agreed that the former position should be held by Mr. Sellens, whose fame as a short-wave listener was known all over the country, and that the latter position should be left in the capable hands of Mr. McDonagh, whose enthusiasm was largely instrumental in bringing the club into existence. It is to these two gentlemen that suggestions should be made. The co-operation of listeners outside Wellington is particularly sought, and all ideas will be discussed at the forthcoming meeting.

Letters should be addressed to Mr. F. W. Sellens, 7 Randwick Road, Northland, Wellington, or to Mr. A. B. McDonagh, 274 Cuba Street, Wellington. They should be sent in as soon as possible, as it is hoped to settle the constitution of the club.

Among those present were Mr. Donald and Mr. L. Saunders, who were associated with Mr. McDonagh in the preliminary work.

DE FOREST VALVES

"Made by the man who invented Broadcasting"

The right selection of radio valves makes an amazing difference in the pleasure you get from radio.

De Forest Audions have set the world standard for 24 years. They are made in the laboratories of Dr. Lee De Forest, inventor of the first radio valve.

Write for descriptive Leaflets.

INTERNATIONAL RADIO CO. Ltd.

22 BLAIR STREET, WELLINGTON

Factory Agents.

Cook Strait Swim

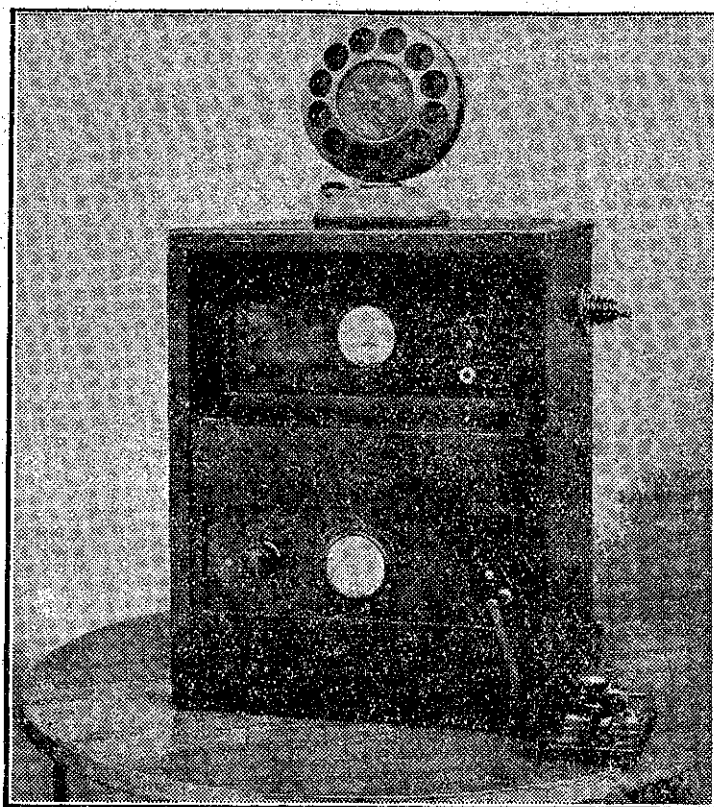
Transmitter Tested

SUCCESSFUL tests were carried out last week with the short-wave radio telephone transmitter which will be used in conjunction with the attempt of Miss Mercedes Gleitze to swim Cook Strait next month. The set has been constructed by two Wellington radio engineers, Messrs. W. S. Green and H. C. Dixon, whose call signals are ZL2 GR and ZL2BO respectively.

Reports of clear reception were received from various listeners in the surrounding districts. The test was considered satisfactory, as the transmitting aerial was a very short one not far from the ground, and well wedged in among city buildings.

The transmitter, a photograph of which appears on this page, is 18 inches high, 14½ inches wide and 12 inches deep, which makes a very compact assembly. The dependable range of this transmitter, using a wavelength of approximately 80 metres, is 500 miles. The power, 30 watts input, is supplied by heavy-duty dry batteries of 400 volts.

The microphone feeds into a ½-watt speech amplifier. The speech amplifier feeds into a 14-watt modulator which modulates a 10-watt oscillator. Radio telegraphy can be used if desired by the plugging of a key into the circuit, and the transmitter is set into operation by the pressing of one multiple switch which controls all circuits.



A photograph of the short-wave transmitter to be carried on the launch which will escort Miss Mercedes Gleitze on her long swim across Cook Strait early next month. This will be the first time radio telephony has been used on such an occasion.

Children's Sessions

FROM 2YA.

Monday, January 26.—To-night's programme is being provided for Radioland by Cousins Mona and Eric, who have arranged to take all to Fairyland in their motor-car. They have promised to take Uncle Touy with them.

Tuesday.—Jumbo and his little friends are to act in a playlet which Jumbo has written. There will also be "Foxes" and "Butterflies."

Thursday.—Uncle George and Big Brother Jack will be the Uncles for to-night, and. Mrs. Mildred Kenny, with her small pupils playing steel guitars, ukuleles, and mandolins, will give items.

Friday.—Uncle Jim to-night, also Story Book Lady and Story Book Man, with Nada and her violin, and Jill on the vibraphone.

Saturday.—To-night we are to have "The Ever-Ever Land," with children singing choruses for "Boy Blue," "Little Bo-Peep," and "Jack and Jill," and Spot.

Sunday.—The Children's Choir from St. Giles's Church, Lyall Bay, under the leadership of Mr. Crawford, will sing to-night, and the service will be conducted by Uncle George.

KNOW the time all over the world with a

DX Clock.

Printed on Heavy White Paper.

Posted in Cardboard Tube
Box 1032, Wellington.

Select Your Radio BY TEST not by Hearsay

Buy your Radio Set or Parts *on your own judgment*. Let your eyes and ears judge the finest appearance and the best tone in sets... you experience in actual practice the most suitable parts. Buy this way, and you will find yourself purchasing Silver-Marshall products time and time again. Silver-Marshall make no extravagant claims—they build the best they know how... and that's why their lines *are* the best—by test.

SILVER-MARSHALL RADIO SETS AND RADIO PARTS

Complete S.-M. Receivers and
Cabinets

FACTORY IMPORTS, LTD.,

86 TORY STREET

::

WELLINGTON.

N.Z. Distributors

Short-wave Sets, Chassis and Parts

THOS. BALLINGER & CO.,
LTD.,

VICTORIA STREET

::

WELLINGTON.

TWO of New Zealand's newest buildings have lately won my wholehearted admiration, and these are the new railway station at Auckland, and the Hotel St. George in Wellington. It would seem that we are beginning to realise what "service" for the traveller and the tourist really means. We no longer have need to bundle out of the train at Auckland after a long and dusty night's journey, and face our friends looking our positive worst. There are beautiful bathrooms provided for cleansing and refreshing. At the Hotel St. George the very newest note of efficiency in service is the provision in every bedroom of a "servidor." The upper part of the door opens both outwardly and inwardly, and being bowed both inside and outside form a space in which to place boots to be cleaned or suit to be pressed. It can also be used by the attendant for delivering orders, which may be rung through from each bedroom to the office. Then, too, each bedroom has its own tiled bathroom, complete with hot and cold shower; its telephone at the bedside, dainty furnishings and ample cupboard space. There are private sitting-rooms adjoining for those who require them, and suites of three and six rooms. There is a beautiful palm lounge, where one can drink tea and indulge in gossip under the oldest and largest palms in New Zealand. The decoration of the main lounge and the dining-room is in excellent taste, quiet and subdued, yet warm and inviting. But to be fully appreciated, the Hotel St. George must be visited, so if you have not yet had the pleasure of partaking of a meal there, do so at the very first opportunity.

THOSE who, during the past three years, have enjoyed the hospitality of 2YA Studio, will remember with pleasure the cordial welcome extended to them by Mrs. J. Davies, who has acted as official hostess during that period. Widely travelled in many odd corners of the earth's surface, citizenship of the world as she is, Mrs. Davies has adapted herself with admirable enthusiasm and geniality to the at times unsophisticated conditions of life in our Dominion. Both Mr. and Mrs. Davies are warmly appreciative of New Zealand in general, and Wellington in particular, and with their spontaneous kindness and catholic appreciation of art in varying aspects, will be greatly missed by the artists with whom they came into daily contact, and also the visiting public, who were made so welcome by the graceful chatelaine of 2YA. Speaking for oneself, and voicing the sentiments of countless members of the



By "ALISON"

social and artistic ranks of inhabitants of the capital city who have been lucky enough to come within the wide sweep of activities of Mr. and Mrs. Davies, the hope is expressed, in the words of Kipling, that the future holds for each of them, the best of "good luck and good hunting!"—The Minstrel.

THE embroidered silk shawl, often a thing of exquisite beauty, has been almost totally eclipsed by the coat; but there is every indication

quite a lot from the society gossip columns of American journals. Their chroniclings are at any rate breezy, if a little venturesome! Take, for instance: "Miss J.B. in pale blue, unassuming, but reeking of chic!" or even: "Mrs. F.T., resembling nothing so much as a green apple tree in full bloom!" and yet again: "Mrs. M., literally dripping chinchilla despite the spring-like temperature!"

Surely a few crisp comments like these would induce us to wade through these carefully-compiled lists, but

Thought for the Week

THE OPEN HEART.

It is necessary to have a corner of the mind always open and free, to leave a place there for the opinions of one's friends, and to entertain them as they pass by. It becomes really intolerable to talk to men in whose brains the divisions are filled up, and into which nothing from without can enter. Let us strive after hospitable hearts and minds.

—JOUBERT.

Of its return to favour. A new way of wearing it is to drape it round the waist, one corner covering one shoulder and another corner forming a train. It looks extremely graceful, but is rather difficult to achieve.

ON reading an account of an interesting function given by an Auckland hostess not long ago, I could not help but gasp at the full column and a half devoted solely to the bare, dry statement of what each guest wore. Not an interesting description of the various frocks, mind you—nothing but a dull list of names followed by materials! Does anyone ever wade through a column and a half of such lifeless print? I imagine we could learn

where is the reporter who would dare to indulge his fancy in such graphic description?

QUITE a new note in mannequin parades has been struck by a leading London firm, and it is such a practical and sensible idea that I'm sure it would make a big appeal to all New Zealand women if one of our enterprising firms would go and do likewise. Twin mannequins, exactly alike in appearance and build, parade daily in similar gowns. One wears an expensive Paris model, and her sister wears an exact copy of the model, in a different shade, and wherever possible, a different material. This is made on the premises and sold at a much more moderate price. I think it would be an excellent idea carried out here by one of our enterprising firms, and would be greatly appreciated by the woman who desires to be well-dressed yet cannot possibly afford the exclusive price of the imported model.

AN enthusiastic holiday-maker, airing opinion in service-car packed with humid humanity, plumped for Waitomo Caves as pleasure resort. Loudly verbal in praise of banks and braes of bonny Maoriland, her slightly illiterate and loudly-voiced comments ran thus: "Give me them Caves! You should see the stalamites and figuration. Abso-bally-lutely I was stunned. Little old Rotorua's all right, too, and we'd 'ave went there if there'd

been time, but Waitomo's my 'appy 'unting-ground!" From a small man in the corner came meekly tentative suggestion that something might be said for Mount Cook in the flame of sunset, but the lady would have none of him, using many mild expletives to drive home her point. "Mount Cook be blowed!" she said amiably. "All that waste sky and distance gives you the pip! Makes you lonesome like. Mount Cook's for the 'ighbrows!" Meantime some of us, remembering august beauty of that queen of mountain peaks, its ever-changing, heart-searching loveliness in nature's moods of war and peace, reflected that it might well find favour with all the brows of the world, be they high or low or broad or narrow, but kept our counsel and held our peace.

THE vogue of the great fox fur which has become an all-the-year-round habit with us, is fast nearing its end. The latest style in fur necklets is the long strip of flat fur which winds snugly round the neck and falls at length before or behind. Sable and stone-marten take pride of place, but these are both luxury furs, and there are many other less expensive skins to be had; although for spring and summer wear there is nothing more attractive than a soft stone-marten pelt. There is a rumour that Russian jackets are to be worn in the autumn, trimmed with black astrakhan and belted with patent leather in the approved style; while fur coats will be hip-length or three-quarter. With the continued approval of the caped coat, shoulders will be broader and hemlines narrower, and with this silhouette surely there must be a revival of the tricorne hat, which is so attractively becoming to many types.

THE decree that skirts must be longer has extended to the youngest section of society, and ankle-length hems, little tightly-buttoned bodices, frilly skirts, with frilly petticoats and knickers to match, are the very last



Grocers throughout New Zealand stock ANCHOR SKIM MILK POWDER, 1/2 per tin. For Free Folder of Tested Recipes, write to-day to, "Anchor," Box 244, Auckland.

Sold direct
at £5/5/-
Saving

No retail
profits or
salesmen's
commissions.



£10/10/- Complete
with 7 clip-on parts.
Post Free

Buy this full-sized, efficient, fully-guaranteed Vacuum Cleaner direct from the sole importers. The heart of a cleaner is the motor. The SUNSHINE has the world-famous Westinghouse Motor, and 10 other distinct superiorities. Write for illustrated folder.—Sole N.Z. Distributors: HAROLD LIGHTBAND, LTD., 79a Lichfield Street, Christchurch. Or 386 Queen Street, Auckland.

word in party frocks for small girls. Spot muslin and similar materials are favourite materials, and the frills give quite a crinoline effect, especially when worn with a broad china-blue sash and blue heelless slippers to match. I saw a very quaint model the other day, quite early Victorianish, and designed for high days and holidays. The full skirt was entirely composed of ribbon ruchings in blue, under transparent net frills. Some sweet little frocks for toddlers also took my fancy. They were of white crepe-de-chine, very full from the yoke, and embroidered in cross-stitch in gay Hungarian colours and designs.

HAVE you got a bowl garden? If not, set to work and make one for yourself—they are so fascinating to do and are a source of perennial joy as table decorations or for window sills. A friend of mine, just back from England, says they are all the rage over there—everybody's making one! You'll want a large, rather deep, bowl and some fairly good mould. On the top place some rough stones or small pieces of rock to give the surface the appearance of a rock garden. Get some very small plants, dwarf cacti or other tiny plants which love stony places. A little rustic house is needed, and one or two small figures from a toy-shop or the inexhaustible Woolworth's store. A small piece of mirror surrounded with moss makes an admirable lake. Small rustic seats and a little bridge can be made quite easily. With a little ingenuity and resourcefulness, exquisite little gardens can be produced, and if kept carefully but sparingly watered and placed in a moderately warm spot, they are to all intents and purposes everlasting.

IN these days of January, pre-eminently the month of holiday-making, to those who are city-bound and unable, for economic and other reasons, to wander far afield, the call is strong from the havens on the hills, green and red roofs of which glimmer a welcome to week-enders, in quest of elusive sunbeam, and possessed of unconquerable optimism that soon the whirling gusts will howl themselves into some limbo of quietude "where never wind blows loudly." At the usual allotted seasons, household utilities are held up by reason of yearly beano of butcher, baker, and candlestickmaker; happy bands of pilgrims range up at train and ferry, the obviously family parties oftentimes flustered and tempest-tossed, with hamper and hogshead almost torn from their moorings by playful zephyr that makes hay of beret and scarf, and wafts skyward discreet skirts of materfamilias. Youth is mostly at the helm in these slightly pathetic parades of high hopes, this Pippa-ish desire to get the utmost out of one day's play. In the gusty midsummer days it is doubtful whether mother and father, and pastor and master, would brave burden and heat of from 8 o'clock in the morning until 8 o'clock at night, were it not for unfading joie de vivre

of their progeny. When the world is young the sticky jujube is fished, not from battered biscuit-tin, but the jar of Aladdin; liquid refreshment is transformed from bespidered Amber Tips in ancient tin billy into nectar gathered from some dream valley, fragrant with meadowsweet, and quaffed to accompaniment of ambrosial currant buns that have seen better days. A short day and a merry one, or so it seems, with breathlessly futile attempts at cricket and gallant straining to conquer the world in the three-legged race. When, in the waning light, the time comes to gather together grimy sweets, paper caps, expiring balloons, and hit the home trail, fat legs linger by the wayside, and freckled faces shine with reminiscence and joy and jam. "Now the day is over" thankfully sigh the Olympians a little later, as they smoke the pipe of peace, drop into a doze, dream they are chasing butterflies over high hills, and awaken with obscure impression that, after all, the game is worth the candle.—Deirdre.

PRINCESS MARGARET ROSE is setting a fashion among Mayfair babies, according to "Home Notes." Now they must all have their walls a pale greenish blue, the woodwork a dull shade of vellum, a rose coloured carpet and old Sheraton furniture. The Princess's mother and father are most enthusiastic over modern electrical fittings, and have had an electric screen fitted up just inside the door connecting the day and night nursery, so as to ensure a perfectly even temperature. The new Princess is a wonderfully happy and contented baby and is said to be very like her mother.

A BOOK that will be welcomed by all mothers and all those who have the care of little children has recently been published by Geoffrey Bles (London). It is written by Margaret Gordon, who has had ten years' experience at one of the leading children's hos-

... Trees ...

*All ye who pass us by or stay to rest
Within the compass of our leafy shade,
When in our summer raiment we are dressed
More gloriously than princes are arrayed,
Remember we're the roof tree of your home,
Your board, your bed. We haft the axe and hoe.
Your book, the busy shuttle and the loom,
The plough and spade to us their being owe.
We warm your hearth when nights are cold and dark
We were your cradle, and we shall be soon
The little ship, in which you must embark
For that adventurous voyage beyond the moon.
Then treat us kindly for the gifts we give.
We die to serve you; love us while we live.*

—H. V. BAINES.

Hints for the Housewife

MARKING ink can be applied neatly and easily if the linen to be marked is moistened with cold-water starch, dried and ironed. This makes a smooth, stiff writing surface, and prevents the ink from running.

ADHESIVE paste can be made for emergency use from a cold boiled potato. Rub it on to paper and it will make it stick quite well. This is excellent for fixing a dado or bordering of wallpaper that has become loose.

WIRE brushes are useful in a variety of ways. The unpleasant odour of burning fat which has splattered the grill of the gas stove when frying can be avoided by brushing the grill with a wire brush before using. Wire brushes are more effectual than sandpaper in removing paint, especially from crevices.

IF you run out of shoe polish, you will find that lemon juice is a splendid substitute. To get brilliant polish on black or brown shoes, apply a drop or two to a soft clean rag, and polish the shoes with it. Brown shoes that are stained or discoloured can be rubbed over at night with tincture of iodine, applied on a soft rag. Next morning clean in the usual way and you will find all the stains have disappeared.

WHEN fixing small nails or screws, because of the difficulty of holding them, the fingers are apt to get in the way of the hammer or screwdriver. If the point of the screw or nail is passed through a piece of thin cardboard or thick paper which can be held in the fingers instead this difficulty will be overcome.

pitals in London, and is the result of expert knowledge coupled with a wide understanding of children from infancy up to school age. As the author says, "Unfortunately, science has not yet been able to simplify the business of bringing up children. If you wish to be a successful mother you must have a thorough knowledge of children, and to make the best of this knowledge you must be as clean and methodical as a hospital-trained nurse." By no means a fool-proof job! The title of this valuable little volume is "A Book for Mothers."

Woman of To-day

"THE economically free woman of to-day is a phenomenon not known before in history," states a well-known authority. The electrical age has come so that women can free themselves in their own homes. In an all-electric house work should be finished by 10 o'clock in the morning. The greater part of housework is stupid drudgery, and the application of electrical science will make for the housewife a fuller, richer, and more varied life. There are, I believe, about two million surplus women in England to-day, and for these electricity is meeting their demand for leisure when they return from business. England is the only country with an electrical association for women, but other countries are making great strides. For instance, in Holland, enterprising shopkeepers have the pavements outside their windows heated by electricity during the cold weather, in order to induce prospective customers to linger still longer! Then again, the cleverness of the Swiss engineer is hard to over-estimate. No matter how high up in the mountains, the tiniest hamlet is always electrically equipped.

Cleaning the Gas Stove

THE night before you are going to give your gas stove a special "spring-clean," cover all the enamelled parts in the oven with Kleenoff, and then wash thoroughly with soda and water the next morning. All burners should be removed and also scrubbed with soda water. In order to get the best results from the cooking done in a gas stove the following are a few suggestions which might be a little help: Dishes requiring slow cooking should be put on the browning shelf; for example, a large rich cake. Anything you want to brown and cook quickly, such as small cakes, put on an open shelf with the browning shelf immediately over it. To roast joints place them on the browning shelf, and when they are nearly done, to brown them put them under the browning shelf. If you are cooking a large cake, the gas oven can be turned off quarter of an hour before it is quite done, as the stove retains its heat for quite a while.

SOUR STOMACH

Indigestion Acidity & all Stomach disorders
SPEEDILY RELIEVED BY
PEPTOS
The GREAT PAW-PAW
RELIEF
3/- AT ALL CHEMISTS

Relieve
throat
soreness
quickly
with

Pulmonas
PASTILLES

Suck them slowly
1/6 all chemists

FAMA

For Bathrooms, Lavatories,
Sink-tops, etc.

FAMA STONEWOOD FLOORING CO., Wellington.

... With ... BOOK and VERSE

By "John O'Dreams"

In spite of many enemies in the gate, not one of them can deny the grace of Mr. Bernard Shaw's oratory, the charm of his attractive voice, the grace of his gestures. Privileged at a recent picture theatre in the Capital City to hear him on the sound screen discourse on the remote and mighty Einstein, one was struck by expert handling of his theme, delicious drollery, and glancing wit. In his melodious voice, and with admirable poise, he treated the genius of Einstein with a lightness of touch and a comprehending geniality that delighted his listeners, who no doubt went home and looked up with renewed zest their "Candida," "Major Barbara," and "You Never Can Tell."

MR. SHAW, in spite of extraordinary vogue in England, does not appear to have been nearly so successful in conquering the French critics, where it is held in certain circles that his women are superficially observed. The French are keenly observant and intuitive concerning the springs of human action, and it is the opinion of many competent judges that Mr. Shaw does not dig deep enough into the mental processes of his female protagonists. Rightly or wrongly, this opinion is prevalent among certain literary factions. Yet one remembers how wonderfully vital and human a creation he makes of Ann in the Superman play; so full of feminine guile, not in the least loveable, but a mercilessly truthful impersonation. We of mature years can recognise the type of the fisher of man, be she charming, blatant, or subtle, always intent on landing her quarry, and very often succeeding.

MR. A. S. M. HUTCHINSON, apparently suffering from spiritual intoxication, induced by producing a best-seller, is also the author of a son, and has followed up "If Winter Comes" and various other innocuous and pleasant tales with a paean of praise and slightly maudlin meanderings in his first-born, entitled "The Book of Simon." Most of us love children, or some child or another, but everything in moderation, and let us at all costs cast aside the sickly slime of sentimentality and fight the good fight shorn of its clinging trappings. Listen: "I imagine his mind at three, I imagine that mind of his, as a little house, a little honeycomb, made up of pearly white cells—glistening, dewy, lustrous, and semi-transparent, pearly white cells, untouched and pure—oh, pure, beyond all conception of purity. . . . Imagine the little lustrous honeycomb of cells of pearly, pearly white that my son Simon's is." Well, well!

Prize Poem Competition

THE prize of half a guinea in the current competition is awarded to A.N.I.C. for her verses entitled "Conflict," which are poetic in thought and graceful and skilful in execution. Selected for special commendation is the poem entitled "Song of the Native Bush," by a youthful contributor, "Wild Rose," who lives in one of the Dominion's most romantic spots, and shows an alert perception of the loveliness of our land, and considerable skill in the expression thereof.

"Our Heritage"—Admirable sentiment with a word of warning for the grumblers, but no poetic fire.

"In Maoriland"—A catalogue of Maoriland's flora and geysers—"the ferns, the fruit, the flowers"—meritorious in its way, but without charm.

"U.C."—Your work, as always, is of originality and beauty, though we have liked better some of your other poems. We are with you in your delight in Sara Teasdale's achievement.

"Tantalization"—An attractive fragment, which unfortunately tails off into futility in the last two lines.

"Lucibel Lee"—Of your small sheaf we prefer "Rain," which, though slight in verbal texture, is attractive. In "Surfeit" we cannot reconcile ourselves to the use of the word "footling."

"Nada"—Quite unsuitable.

"Lillian"—Your verses are light and airy as your Tennysonian namesake.

"Bathsheba"—Too modern altogether. Tone it down!

"Pierrot"—A medley of strange sounds.

... Conflict ...

*Tram-tickets whirl on their joyous way
In a dusty town, on a dusty day,
Trees bend down in the wilting heat
With tired limbs on the listless street.
A North-west wind blows low, blows high,
And over the chimney pots peeps the sky . . .
Ever so blue . . . and ever so far . . .
While the trams in the distance moan and jar . . .
But standing here, how I long and long
For the country skylark's endless song . . .
I know how the blossoms will drift to-day,
I know what the river will have to say,
I know how the bees there drone . . . and drone . . .
(And the lilac bush will be out alone).
How the gorse will be reaching arms aglow
To the setting sun . . . Oh I know! I know!*

*But here I am on this dusty day,
While I long to be up and away . . . away,
And though it is raining a dusty rain
My heart is out in the fields again . . .*

—(A.N.I.C.)

THE author of "Goodbye to All That" has followed up his thought-provoking and much discussed book with a literary olla podrida bearing the still more colloquial title of "But It Still Goes On." In this latest book, Mr. Robert Graves embodies personal opinions, short stories, and a three-act play, the whole providing excellent and varied entertainment. Though at times Mr. Graves exudes bitterness, and occasionally is extremely exasperating, however much one may disagree with his conclusions, his ability is unquestionable, his literary style compact of vim and vigour, and the courage of his opinions such as to compel admiration. In his present collection versatility is a keynote, the short tales are of absorbing interest, and a journal, which is incorporated, unique in its way. The drama, which concludes the volume, is likely to find adverse critics, dealing as it does with a problem which, in the opinion of many, is unfitted for general discussion. Possibly Mr. Graves's motive is an ethical one, but the play is unlikely to be produced in any English theatre, and it may be that this is all to the good.

WE learn from "The Sunday Times" that Mr. H. V. Morton's eagerly-awaited volume, "In Search of Ireland," is published by Methuen, who have sold over 86,000 copies of his "In Search of Scotland." From the same source we learn that keen and poignant curiosity is bound to be raised in a book, "Colossal Blunders of the War," by Mr. William S. Woods, published by Allen and Unwin. One of these blunders, it is understood, resulted in the slaughter of no fewer than 700,000 men without gain on either side.

IN these days of repertory societies, play-reading circles, and amateur acting, devotees of the drama will find scope for thought and effort in a volume entitled "Twelve One-act Plays" recently to hand. These playlets are catholic in subject, ranging from "Romance of the Willow Pattern" to a poignant scene before an execution, "The Grill." The average treatment of the diverse themes is admirable, one of the best things in the book, "A Woman of Character," being a quite excellent study of that rara avis, a reasonable wife who does not expect too much from men. Valuable advice to amateurs in the histrionic art is contained in the introduction by Walter Prichard Eaton, and the volume is to be commended to youthful students and those of maturer years, who will find in it a great deal to repay study and much of interest and entertainment.

DURING a recent heavy storm the aerial of Radio Paris, France's most powerful broadcaster, was blown down in the early part of the evening, and the concert in progress was consequently interrupted. By working all night the engineers succeeded in repairing the damage, and the station commenced transmitting once more at noon the next day.

IT has been calculated that all the German stations together use a power of 535 kilowatts, while England comes next with 470, and Russia, Sweden, and Czechoslovakia follow on with 222, 120, and 107 kilowatts respectively. France uses only 64 kilowatts.

IN order that listeners may identify the particular form of interference from which they suffer, a Czechoslovakian station is broadcasting examples of various electrical noises and their causes, together with advice as to remedy.

THE microphone reserved for the personal use of the King when broadcasting speeches is made of pure silver, decorated with the Royal Coat of Arms. On a plate are nine dates commemorating the speeches broadcast by his Majesty.

AMERICAN stations are refusing to allow visitors to the studio during broadcasting hours, as it is known that



wearing apparel absorbs sound and this destroys the balance of orchestral items.

TELEPHONIC communication between France and Indo-China costs a little over £22 for the first three minutes and nearly £8 for each succeeding minute.

A STATION to be used solely for television is in course of erection at Döberitz in Germany.

IT appears that one must accept it as a fact that television has "arrived" in England and the United States, even if it is somewhat crude. New Zealand, however, is doing the right thing in waiting until it emerges from its present primitive stage. Ulmer G. Turner, technical radio editor of the Chicago "Herald and Examiner," says the television receiver he uses is

"astonishingly simple—merely a small motor turning a metal disc with a lamp behind it." He adds: "If one already has a shortwave set the additional apparatus will cost less than 50 dollars (£10)."

THE British Broadcasting Corporation recently announced, in connection with a concert in aid of the Wireless for the Blind Fund, that free sets have now been distributed to over 8000 blind persons.

HAVING advocated stringent regulations for the suppression of all electrical apparatus causing interference with radio reception, a Paris wireless journal has received a letter which runs as follows:—"Should your campaign prove successful, we shall no doubt soon read in the Press that M. —, possessor of a crystal set, has obtained a legal injunction shutting down a 30,000-kilowatt generating station!"

THE legend "Radio" now appears on certain of the coaches on the Warsaw-Lodz railway, indicating that travellers should choose these if they wish to enjoy broadcast reception (states a contemporary). The charge is ninepence per pair of headphones. The man who saw "Radio" on a British railway coach is receiving optical treatment.

NEW York leads other American States in the number of wireless sets within its borders, the estimated total being 1,752,000. Next comes California with approximately 1,470,000. These figures have been evolved by the Department of Commerce after a rough survey of the 1930 census forms, in which, for the first time in U.S. history, citizens were required to answer the question: Have you a radio? The grand total of receivers in the United States is estimated at 13,478,600.

BARON VON ARDENNE, a prominent German radio engineer, has devised a scheme whereby Berlin listeners, even those using crystal sets, could hear London, Paris, or Rome as distinctly as their local station. His plan is to construct about five receiving stations in different places, well outside the city. Each of these stations would receive the programme of one of the most important foreign broadcasting stations. The receiving stations would relay the programmes to small transmitting stations within the city, which would broadcast in the same way as the local stations.

A GOOD SPEAKER

DESERVES

A GOOD AMPLIFIER

TO APPRECIATE THE REAL MEANING OF

TRUE RADIO REPRODUCTION

EMPLOY

PUSH PULL AMPLIFICATION

WITH

FERRANTI

PUSH PULL TRANSFORMERS

N.Z. AGENTS

ARTHUR D. RILEY & CO., Ltd.,
Wellington Auckland

Essential for Best
Results with a
**MOVING COIL
SPEAKER**

List WB412
Tells You
ALL ABOUT IT