

PUBLISHED WEEKLY

THE RADIO RECORD

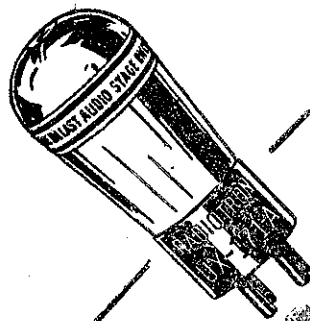
AND
ELECTRIC HOME JOURNAL

Vol. IV., No. 10.

WELLINGTON, FRIDAY, SEPTEMBER 19, 1930.

Price, 3d.

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RECEPTION

DO you get a blast when you turn the volume up a bit? The trouble is probably in one valve—the valve in the last audio stage. Change that one valve to an RCA power Radiotron. Then turn up the volume . . . and it comes through clear.

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THE Philips "Aerial Cop," with shining green cap, clears the way to your radio.

The "Aerial Cop" is always on duty, affording you and your radio complete protection from high potential atmospheric discharges. He is equally efficient in all weathers, and makes an excellent lead-in insulator.

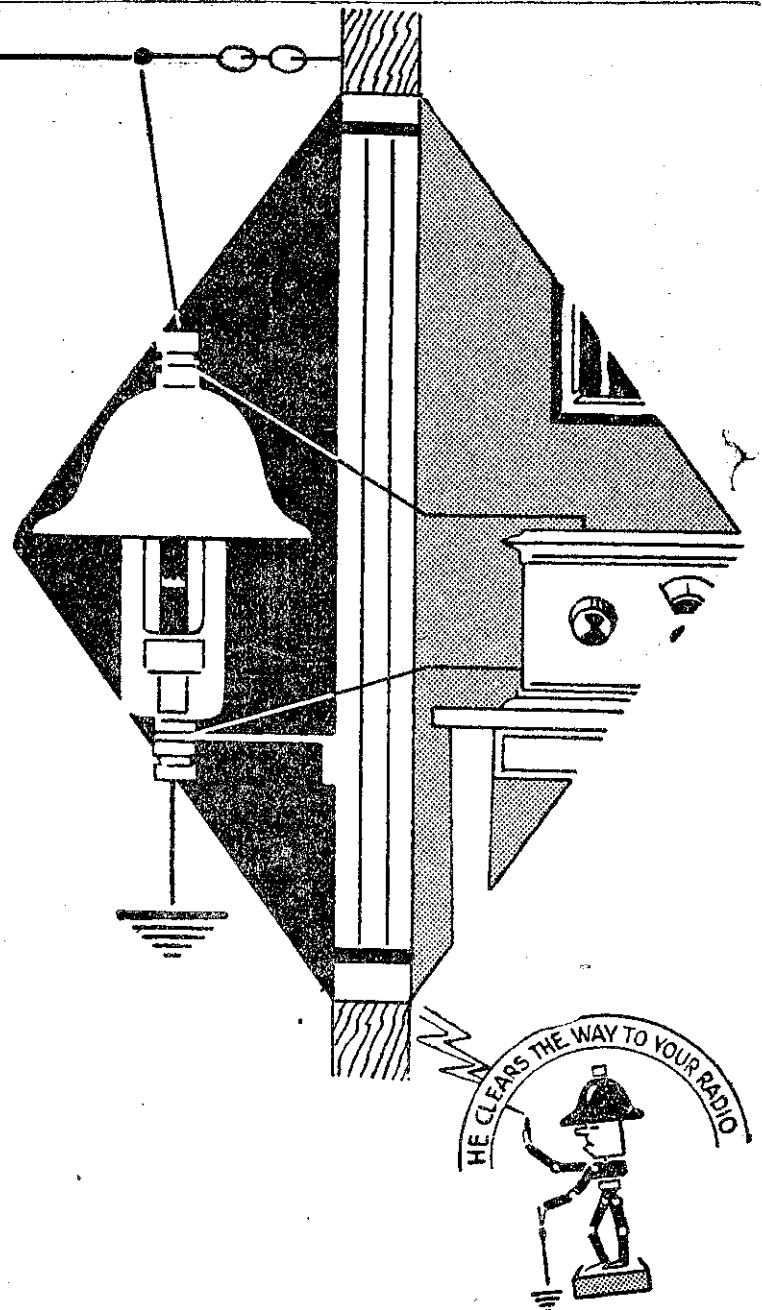
Ask your dealer right now about this combined Rare Gas Fuse and Lightning Arrester, and instal one to protect your home and radio.

10/6

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PHILIPS

for better radio



W38R

Force Realism Achievement

NEW ZEALAND listeners have been keenly disappointed by the copyright restrictions that have been placed upon the works of overseas dramatists. For the time at least it has meant that the broadcasting of such plays is impossible. Negotiations are being conducted to determine if the situation is possible of compromise, but the outcome is doubtful. However, it has been amply proven that New Zealand possesses a generous measure of literary talent, and whatever happens, listeners may be assured that the high standard already set in broadcast plays will be maintained. It is possible that the copyright restrictions will prove a blessing in disguise, for by creating a demand for locally written plays, may result in the discovery of talent now lying dormant.

Are Dramatically Portrayed

in

"Son of Peter"

by



Victor S. Lloyd

A particularly versatile New Zealand author and playwright is Mr. Victor S. Lloyd, of Wellington, who needs no introduction to listeners. His original and varied broadcast presentations are always accorded an enthusiastic reception. His first novel, "Son of Peter," published recently in London, received much favourable comment by the Press of both England and New Zealand, and is already in great demand. The London "Morning Post" devotes generous space to a review which concludes, "The characterisation is vivid and sympathetic, and the book holds interest throughout."

The play by the same name is an able and crisp adaptation from the book, and should make a universal appeal. Mr. Malcolm Frost, a prominent English radio writer and playwright, who recently left these shores after a short but comprehensive examination of New Zealand's broadcasting system, read Mr. Lloyd's play while in Wellington, and described it as being most effective.

MR. LLOYD, who is himself producing the play from 2YA on September 22, with the aid of his well-known company, is characteristically attempting something which is unique in several features. Not only is "Son of Peter" a "business play," the first to be broad-

is the producer, a factor which ensures that his character conceptions will be as faithfully portrayed as he himself

could desire.

"Son of Peter" is not a comedy—though skilful touches of humour are applied occasionally to relieve the tenseness of the drama—and though it is not in the least apparent, the story points a strong moral. It is powerful in its revelation of the inevitable retribution which follows the deliberate sacrificing of the amenities of life on the altar of business.

The principal character is a merciless—almost brutal—business despot who unswervingly tramples his way to fortune with an impassive disregard for his fellow-competitors. His character is so strikingly depicted, his distorted moral standards and perpetual egoism so cleverly portrayed that one's interest in him is maintained with remarkable intensity. It is the essential humanness of the man—for his counterpart may be found in any city—which makes such a strong appeal.

IT is typical of his peculiar code of justice that when he discovers his brother philandering with a girl employee, he compels him to marry her—despite the fact that at the same time he himself is involved in a dubious affair with an actress. Like the majority of us, he reconciles his actions with his ideals by assuming that there are special redeeming features, applicable only in his own case, which justify his shortcomings.

The scene of "Son of Peter" is laid for the most part in London, and the society into which the author introduces his listeners exhibits a typically modern defiance of convention. The play commences briskly, and action is the keynote until the final curtain.

John Fortis, the hero, is a young man of domineering personality, who, when his father is confined to his bed through illness, takes over his boot and shoe firm, conducting it with a ruthlessness and absence of business morals typical of the man. Business becomes his mistress and his god. He soon commences to (Concluded on page 21.)

THE CAST

Miss Cameron	Elsie Lloyd	Frank Bertram ...	Eric A. Clark
John Fortis	Victor S. Lloyd	Percy Fortis	D. Putey
Monsieur de Courly..	E. R. Render	Mlle. de Courly..	Marjorie Murray
Parry	H. A. Painter	May Marris	Susie Painter
Doctor	E. R. Render		

To Radio Dealers

Thirty leading Radio Dealers throughout New Zealand applied for a sample of the "Master" Midget before placing their orders. Within one week of distributing these samples twenty-eight placed orders for immediate delivery, completely absorbing the substantial shipment available. Twelve of these have, in addition, placed orders for delivery ex the following shipment. One large distributing house sold twenty-five in the first week, have their next twenty-five completely booked, and are now booking against their third delivery of 35.

This proves conclusively the ready demand for this wonderful new receiver.

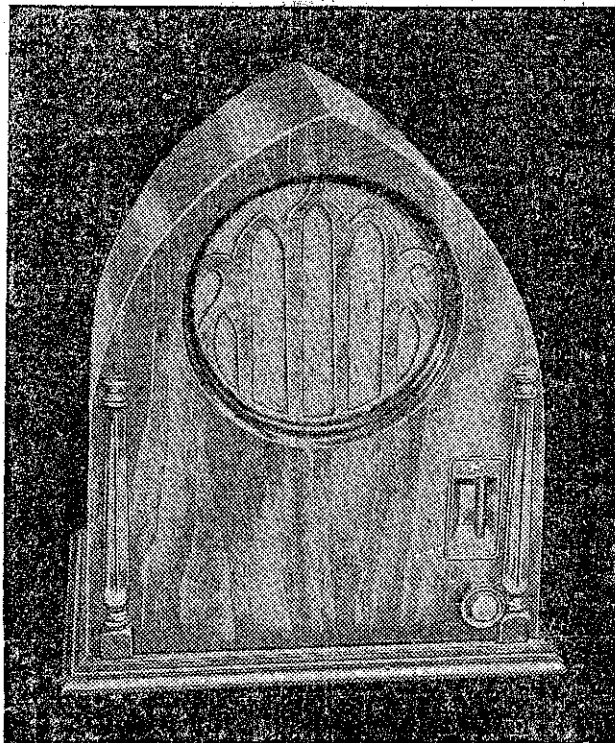
Dealers interested should make immediate application for representation, as this is the greatest radio agency opportunity offered for many years.

Be sure you connect with the right Midget—the "Master" Mighty Midget is a guaranteed product. It is built up to the highest standard of efficiency.

Specifications :

The "Master" Chassis contains four tuned circuits for extreme selectivity—three stages of R.F. Amplifiers for sensitivity—6 A.C. Valves. Chassis correctly engineered for Screen-grid. Constructed of finest and best materials. Easily accessible and as trouble-proof as modern engineering can devise. Uses famous Loftin-White system of Audio Amplification. Single dial control and Magnavox Dynamic Speaker.

Housed in a beautiful Doric Walnut Cabinet, 13in. x 16in. in size, easily portable—weighing only 28 pounds complete.



*All-Electric, 6 Valve, Screen-Grid and
Genuine Magnavox Dynamic Speaker*

£28/10/-

is the amazingly low price of this
"Master" Mighty Midget.

If any difficulty in arranging a demonstration, please communicate with

The Factory Representatives:

**Master Radio Manufacturing
CO., INCORP.**

P.O. Box 1778, AUCKLAND.

"MASTER" MIGHTY MIDGET

*A Giant
in
Performance*

To
Prospective
Buyers of

Radio Receivers

This is the first opportunity that the public have had of purchasing a powerful All-Electric Screen-Grid Receiver with genuine Dynamic Speaker incorporated at such a wonderfully low price. The amazingly low price of the "Master" Mighty Midget is made possible only by enormous production. Hundreds of "Master" Midgets are now in use in New Zealand, delighting their owners with wonderful performance. Receives clearly at good loud-speaker strength all usual New Zealand and Australian stations.

See your dealer to-day and arrange for a demonstration.

£2/2/- Prize for Poem Song-writing Competition

THE closing date for the song-writing competition promoted by the IYA Musical and Dramatic Committee is Friday, September 26.

The conditions are:—

1. A prize of two guineas will be awarded to the writer of the poem best suited to a musical setting as a song.

2. The entries submitted will be judged by the quality of their thought and expression.

3. In the event of the judges deciding that no entry is suitable, no award will be made.

4. Each entry must be signed with a pseudonym and be accompanied by a sealed envelope containing the pseudonym and the competitor's name and address.

5. Entries must be addressed: The Judges, IYA Song-writing Competition, Station IYA, France Street, Auckland, and must reach the station not later than September 26.

It should be noted that the above competition refers only to the writing of the words. Another prize for the composition of the music will follow.

Copyright Restrictions

Position of Private Stations

TO decide the attitude New Zealand private stations would take toward the copyright restrictions now being imposed by the Australian Performing Copyright Association, a large meeting of listeners and supporters was held in Dunedin on Friday last. The meeting, which was most enthusiastic, decided to form the first branch of the New Zealand Listeners' League and investigate fully the position.

THE following resolutions were passed:—

"That this meeting, being of opinion that the services rendered to the public by B class stations are appreciated, and having fully discussed the position arising out of the proposed demands likely to be made upon B stations by the Australasian Copyright Association, and while fully recognising the association is reasonably within its rights in demanding the observance of its privileges, it is resolved that it is unfair to expect B stations to provide amusement and also pay copyright fees."

"That this meeting also resolves that an effort be made to find some means of assisting B stations to meet the demands of the Australasian Copyright Association, and to carry out effectively the objects of the resolution it is resolved that an association be formed, called the N.Z. Radio Listeners' League, the objects of which will be to carry out the wishes of the meeting and watch the interests of listeners generally."

"That this meeting supports B stations in their efforts to obtain the right to broadcast advertising matter."

HAVE you renewed your subscription to the—

"Radio Record and Electric Home Journal"?

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

Adverse Conditions Prevent Rebroadcast of Race for America Cup

THERE are many better hours to commence broadcasting than thirty in the morning. Nevertheless, all New Zealand stations went on the air at this time Sunday morning last to attempt to rebroadcast the description of the first of the series of five races for the America Cup.



THE AMERICA CUP.

A huge network of broadcasting stations has been linked to tell the world the results of the yacht races for the trophy.

Enormous interest is being taken in all parts of the world in these races, in which Sir Thomas Lipton hopes with his yacht "Shamrock V" to wrest the coveted trophy from the present holders. This is the sixth attempt that Sir Thomas, who is now 80 years of age, has made in the last 30 years. The cup became the possession of the United States 79 years ago, and many

attempts have been made to regain it. This year they are seeking to hold the prize by the "Enterprise."

The race is over a course of thirty miles, and it will be covered in different manners during five days. The cup passes to the winner of three of these races.

Extensive preparations have been made in the United States in order that a running commentary on the race might be broadcast. Observers are being located on destroyers, dirigibles, and aeroplanes, and the announcer's descriptions are being relayed throughout the whole network of stations covering the North American Continent. Short-wave broadcasts are being made from Boundbrook, Pittsburg, and Schenectady.

In New Zealand the results of the races are keenly awaited, but the time is rather unfortunate for quick dissemination of the results. On the New Zealand clock the race is run between 3.30 and 7.30 a.m. This is a particularly bad time for the reception of the American stations, which are rarely heard at any strength in the mornings.

It is not surprising then that all the stations were unsuccessful when they attempted to rebroadcast the descriptions, which could not even be heard. Private operators were likewise unsuccessful, and in this connection it is interesting to note that our short-wave correspondent, Mr. Sellens, who, it is generally conceded, will get anything if it can be had, was unable to pick up any of the stations participating. The attempt was a commendable one, but it illustrated the point that further efforts will be wasted.

Even under the difficulties, the Broadcasting Company have made arrangements to apprise listeners of the result as soon as stations go on the air. The results are known in New Zealand too late for the morning papers, and as the stations commence their afternoon session just as the first editions of the city papers are out, country and suburban listeners will have the results as soon as any one. The Broadcasting Company has had to make special arrangements to make this possible for they do not have access to the Press Association messages, by which the news normally reaches this country.

Adaptability---

A Standard

reached by Gulbransen Radio for your entertainment. Just listen to its tone and power. Hear those distant stations come in with clarity and volume on

THE NEW GULBRANSEN PRECISION-BUILT RADIO

Whether you require a Combination Radio and Gramophone or Straight Radio, just listen to this set and be surprised.



Combination Radio £85
and Gramophone
model

Highboy Straight £45
Radio

The "9950" Model £42/10/-

There is a Gulbransen dealer near your home who takes a pride in demonstrating this set. Phone him to-day for a demonstration and be convinced.

YOU, TOO, SHOULD OWN A Philips Q.P. Radio Set

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

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

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DEMONSTRATIONS DAILY 'Phone 45-865

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Factory Representatives:

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LIMITED**

182 Wakefield Street,
WELLINGTON.

Advisory Committees Meet

THE meeting of the 1YA Musical and Dramatic Committee was held at the Auckland Studio of the Radio Broadcasting Company of New Zealand Ltd., France Street, on Friday evening, September 5, at 8 p.m., the Rev. A. B. Chappell being in the chair.

A motion of sympathy to the relatives of the late Mr. Christopher Smith was passed, all members standing. The chairman expressed the feelings of the committee and said that the loss to the community at large was very great and that listeners had lost a great musician and a great friend.

The matter of the company's subsidy to the various musical societies was again brought forward, and it was reported that the Aeolian Orchestra was willing to fall into line on the terms of the committee's recommenda-

tion. Other societies had yet to bring forward their decisions.

The closing date of the first section of the Song-writing Competition, namely, for the poem suitable to be set to music, was fixed for September 26 next, and the judges were appointed, subject to their consent.

Various other matters of interest to listeners were discussed.

AT the meeting of the 2YA Church Service Committee on Tuesday, September 9, the Rev. C. V. Rooke, representing the Church of England, presided. Also present were: Rev. R. J. Howie (Presbyterian Churches), Mr.

Donovan (Baptist Churches), Mr. A. F. O'Donoghue, Mr. J. Ball. The business was mainly routine.

THE 2YA Musical and Dramatic Committee met on Monday, September 8, Mr. V. R. Bennett (representing the Harmonic Society) presiding. There were also present: Mr. J. Carr (Charley's Aunt Club), Mr. R. J. Retallick (Apollo Singers), Mr. H. B. Robb (Wellington Orpheus Society), Mr. I. M. Levy ("Radio Record"), Mr. A. F. O'Donoghue, and Mr. J. Ball. An apology for absence, owing to indisposition, was received from Mr. Palliser. There was a general dis-

cussion on programme matters and various suggestions were advanced.

A MEETING of the Advisory Committee in connection with the 3YA Children's Sessions was held on Monday, September 1. Mr. D. E. Parton, representing the Y.M.C.A., presided. Also present were: Mrs. D. James (Welsh Society), Mrs. W. H. Meddings (Y.W.C.A.), Mrs. J. Schenkel (Mothers' Union), Miss K. Scotter (Boy Scouts), Mr. W. A. Rumbold (Headmasters' Association), Mr. A. J. McEldowney (General Secretary, Y.M.C.A.), Mr. E. J. Ward ("Uncle John"), Miss M. Hall (Children's Session Organiser), Mr. A. F. O'Donoghue (Station Director, 3YA), Mr. C. S. Booth ("Chuckie"), Rev. F. Rule (Orphanages). An apology for absence was received from Mrs. McLaren, who is absent from Christchurch on holidays.

Miss Hall reported on arrangements she had made for talks about the children of various countries. She also reported on various special programmes which had been given during the sessions on weekdays and also on Sundays.

Reference was made to the questionnaire submitted to the Kelburn School children, and Mr. Rumbold undertook to carry out similar tests at his school.

A MEETING of the 4YA Musical and Dramatic Committee was held on Thursday, September 4. Present were: Mr. H. P. Desmoulin (chairman, Dunedin Choral Society), Mr. A. R. Harris (general manager, R.B.C.), Mr. A. Cook (Dunedin Burns Club), Mr. P. S. Anderson (R.S. Choir), Mr. J. G. Butler (Dunedin Royal Male Choir) and Mr. J. Mackenzie (station director). Apologies for absence were received from Mr. Angus (Anderson's Bay Glee Club), Mr. Hamburg (Philharmonic Society), Mr. Max Scherek and Major Lampen.

The chairman welcomed Mr. Harris to the meeting, and in doing so referred to the work the committee was carrying out. He hoped it would result in benefit to the Broadcasting Company, to the community, and to the societies. He remarked that as far as his society, the Choral Society, was concerned, it had always been willing to have its performances broadcast as it considered that nothing but good could result from so doing.

It was decided to set up a sub-committee consisting of Mr. Butler, Mr. Anderson and the chairman for the purpose of putting in hand the preparation of a programme consisting of the works of New Zealand composers. A number of other suggestions regarding programme attractions were made.

World Famous Artists "Tone Test" Crosley Radio



Efrem Zimbalist (seated), the celebrated Russian Violinist, who has charmed audiences in every corner of the world with his inspired technique, is now a member of the Crosley "Tone Testing" Staff.

Powel Crosley, Jr. (standing), head of the Crosley Radio Corporation, is shown receiving his comments.

Assisting Efrem Zimbalist in this unique work are Alma Gluck, Edith Mason, George Gershwin, Josef Pasternack, Jose Mojica, and others equally famous.

The help and advice of these world-famous musicians, given to the engineering department, is aiding, as no mechanical tests can, in developing new tone beauty and perfection in every Crosley Radio.

Remember this when contemplating the purchase of a new receiver.

Post the Coupon to-day for full particulars of the Crosley Range—or, better still, call and inspect them in our Showrooms.

CROSLLEY

**Mail
Coupon
Now!**

Branches:

BANK ST., WHANGAREI.
Taranaki Representative:
C. E. RUSCOE, Devon St.,
NEW PLMOUTH.

**Abel, Smeeton
LIMITED**

Sirs,—Please send me full particulars of the 1930 Crosley Models, together with free illustrated literature.

Name

Address

Wholesale and Retail
Radio Merchants,
27-29 Customs Street E.,
Auckland.

"R.R."

**Radio Trouble Solved!
Experience Counts!!**

Twenty-four years' experience in the design of Radio Sets. If your set is not functioning properly, 'phone or write to—

D. NEILL KEITH,
18 DUNDAS ST., SEATOWN.
'Phone 16-535.

Wellington Radio
Society

Monthly Meeting

ON Tuesday, September 9, the monthly meeting of the Amateur Radio Society of Wellington was held in the Congregational Schoolroom, Cambridge Terrace. The president, Mr. I. M. Levy, occupied the chair. Owing to the inclemency of the weather there was an attendance of only thirteen.

The question of continuing the Sunday night broadcasts of 2YA, Wellington, was brought up by Mr. R. L. Jones, who urged that after the usual relay from the theatre concerts the remaining time until 10 p.m. should be filled up with gramophone records. The chairman said that in view of the smallness of the attendance at the meeting a motion on the lines suggested by Mr. Jones could hardly be claimed to represent the wishes of the majority of listeners.

Personally he preferred a change from gramophone, and would suggest rebroadcasting 2FC, Sydney, which now commenced its Sunday night concerts about 9.40 p.m., New Zealand time. Owing to proximity to 2YA's transmitter, the speaker and hundreds of other owners of multivalve sets were unable to get 2FC, while the former station was on the air. At all events, he concluded, the general wish of listeners could not be expressed by such a sparsely-attended meeting.

Mr. Jones, however, moved, seconded by Mr. Faulkner, "that the Radio Broadcasting Co. be communicated with and asked to continue transmission on Sunday nights till 10 o'clock." On a show of hands 5 voted for the motion and 2 against, the remaining 6 refraining from voting.

A resolution was adopted requesting the secretary to notify the Radio Broadcasting Co. that telephonic noises which obtrude on the broadcasting are picked up by 2YA, apparently through induction. Also he was requested to report to the Broadcasting Co. that the output from 2YA had been unsteady in volume on recent occasions. Trouble on the relay lines to 2YA was also complained about by some of those present.

A letter was received from the Prime Minister (Hon. G. W. Forbes), written prior to his departure for England, in reply to a request from the society to give favourable consideration to the proposed plan for an Imperial short-wave broadcast station in England. It was intended that this be placed before the Imperial Conference. Mr. Forbes wrote that he would do what was possible in favour of the project when the matter was brought forward.

Mr. R. Slade gave an instructive and interesting lecture on "Interesting Features of a Modern Broadcast Receiver." He illustrated his talk with blackboard diagrams. The a.c. type of set was dealt with. Mr. Slade answered many questions with lucidity.

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S-O-S

TRAVEL IN COMFORT BY
CARWELLINGTON - PALMERSTON
NEW PLYMOUTH

LIMERICK COMPETITION

2YA Eight O'clock Revue

THE fourth series of Limericks on the subject of "Marriage" was won, by a large majority of votes, by No. 1. This read:—

*There was a young fellow called
Jeff,*

*Whose wife ran away with his chef;
They eloped in the night,
And he heard 'em all right,
But sometimes it pays to be deaf!*

This Limerick was sent in by:—
G. M. Cleghorn, French Pass,
Nelson.

"MUSIC OR MUSICIANS."

No. 1.

*There was a young fellow named
Claude,
Who was feeling most frightfully
bored;*

*With a fourteen-pound hammer
He struck the pianer,
And said, "There you are—The
Lost Chord!"*

No. 2.

*He thought he could play a sonata,
His poor wife was always the
martyr;*

*But one day, in her madness,
With gusto and gladness,
She strangled the brute with her
garter!*

No. 3.

*A versatile fellow was Lew,
A native of gay Timaru;
The bagpipes he played,
Like a Scot on parade—
Yes! And musical instruments, too!*

Children's Sessions

FROM 1YA.

TUESDAY, SEPTEMBER 23.—Uncle Dave will be here with numbers of good stories, and there will be part-songs and choruses by one of the school choirs.

WEDNESDAY.—Uncle Tom will have many interesting things with which to entertain the Radio family for an hour, while Cousins Joyce and Joan will play duets and solos.

THURSDAY.—What fun! A jazzophone band in the studio, playing airs that children like, while Peter Pan will provide stories and jokes.

FRIDAY.—Nod and Aunt Jean in charge of the happy hour—listen for more of Aunt Jean's verses. Cousins will give sketches and recitations.

SATURDAY.—This evening a visitor will have much to tell of his experiences in distant countries.

SUNDAY.—Children's song service conducted by Uncle Bert, assisted

No. 4.

*Said a dear old soul, "Why! This
is grand!"*

*They say you can get music canned,
As I love canned tomatoes;*

*I'll try some sonatas—
One tin of the very best brand."*

No. 5.

*There was once a musician named
Perce,*

*Whose playing was really a curse;
He was known all round town,
On him, neighbours would
frown,*

*They were glad when he left in a
hearse!*

No. 6.

*Said his wife to a Rajah in India,
"I've never heard such a loud din
dear,*

*I suppose it's that loon,
On his broken bassoon,
Just like a monsoon — only
windier!"*

For the sixth and concluding competition of this series no subject will be set. Competitors may submit Limericks on any topic they please, bearing in mind that all entries should be original, and these should be addressed to Will Bishop, P.O. Box 1082, G.P.O., Wellington, and posted to arrive, together with the voting for No. 5, not later than first post on Thursday, September 25. The selected six entries will be broadcast during the Eight o'clock Revue on Saturday, September 27.

by Mount Eden Congregational
Sunday School.

2YA.

MONDAY, SEPTEMBER 22.—The programme to-night is being given by cousins from the Green Street Convent under the direction of Mrs. Isobel Halligan. There will also be a little play, the actors being her small pupils from Lower Hutt. Uncle Jeff will have a new puzzle.

TUESDAY.—Uncle Jim will bring with him a party of cousins who will give Scott-Gatty songs and recitations.

THURSDAY.—This is Uncle George's evening, and a special programme is being given by the boys from the Rongotai College. This will be a special treat.

FRIDAY.—Big Brother Jack will have all the small children who are pupils of Miss Lottie Rastall with him to-night. There will be two little fairy plays, "The Fairy Princess" and "Ladybird."

Chiming for
Fifty Years

THE Dunedin town clock chimes broadcast by 4YA have brought back recollections to a correspondent in Gisborne, who writes to that station congratulating it on its programmes, and adds:

"There is one thing that struck me when tuning into your concert last Wednesday evening, and that was the chiming of the Dunedin town clock, which suddenly reminded me that it is just fifty years this spring since the bells were first installed, and the clock commenced to chime. I can well remember, as a boy at the Dunedin High School Rectory, hearing all sorts of inharmonious chimes for a week or so, till the bells were properly hung."

An Unexpected Rally

PASTOR CARPENTER, "Uncle George" of 2YA, mentioned at the last meeting of the 2YA Children's Sessions Advisory Committee that he was recently in Taranaki and somehow or other the Hawera paper learned of his presence in the district. The result was that on the Saturday afternoon he had ninety-nine children to see him, and he spent a very interesting time with these little ones. In the hospital, which he took opportunity to visit, radio work seemed to be greatly appreciated, the children's session holding pride of place.

He found that kiddies twelve years of age seemed to lose interest in the children's session, while even some of ten did not worry very much about it. He found that most of the people who came to see him appreciated the Sunday work.

JANETTE ROTARY
CONVERTERS

For the Operation of A.C.
Electrical Apparatus in D.C.
Areas.

Compact, Trouble-free, Filtered
Type for Radio use—No Hum.
32-volt type for Delco Lighting
Plants for A.C. Radio Sets

Send for Descriptive Catalogue.

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P.O. Box 1029.

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ROYDS-HOWARD CO.
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The New Zealand Radio Record

—AND—

Electric Home Journal

(Incorporating the "Canterbury Radio Journal.")

P.O. BOX. 1032, WELLINGTON.

Published Weekly. Price 3d. 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, SEPTEMBER 19, 1930.

THE THIN END OF THE WEDGE.

THE meeting in Dunedin on Thursday evening last, convened by "B" station interests, may quite fairly be described as the thin end of the wedge in relation to the institution of advertising on the air in New Zealand. This is a movement which will require the very closest consideration on the part of listeners lest their ultimate interests be deleteriously affected.

AS readers know, over recent years a number of "B" class stations have been established in various cities and provincial centres by local radio interests. Their primary objective unquestionably has been to further their own businesses by the publicity thus acquired on the air, and so increase their sales of radio and gramophone apparatus by attracting listeners to their shopping centres. The licenses which have been granted by the Postal Department to permit of this development have not extended to these stations the right, which was sought in many cases, of acquiring revenue by selling time on the air to other commercial houses. In this the Postal Department has shown its wisdom, and is plainly taking a lesson from the situation which has developed in the United States through the sale of advertising time on the air.

THE position in Dunedin has been brought to a head by an indication that demands for copyright fees would be made upon the "B" class stations by the Australasian Performing Copyright Association. The Radio Broadcasting Company of New Zealand, which is supported by the license fee of listeners, is compelled to pay a proportion of those fees, amounting to several thousands per annum, to the Performing Rights Association in respect of the programmes broadcast by it. It was unthinkable that "B" class stations would be allowed over any period of time to make liberal and indiscriminate use of gramophone records without payment of fees. Sooner or later the Performing Rights Association was bound to assert itself, and it was perhaps long-sighted business wisdom on its part which allowed a number of "B" class stations to invest capital in their enterprises, and institute the habit of broadcasting liberally from gramophone records, before it descended upon them and made its demand. Had this demand been made earlier, doubtless less capital would have been invested. Now "B" class stations are faced with the position that they have assets invested, and have created businesses which they are reluctant to lose. They are, therefore, on the horns of a dilemma. They must either pay or quit, and it was to consider that dilemma that the Dunedin meeting was called. As a matter of fact the copyright position has been dealt with fully in our columns on a number of occasions, commencing from our very first issue, so that full infor-

mation of the position has been available and it is idle to claim this is any new development.

THE resolutions passed by the Dunedin meeting recognised the equity of the demands of the Australasian Performing Rights Association, but resolved that "It is unfair to expect 'B' class stations to provide amusement and also pay copyright fees." They therefore passed a resolution establishing a New Zealand Radio Listeners' League, charged with the aim of making an effort to find some means of assisting "B" class stations to meet the copyright demands and pledging itself to support "B" class stations in their effort to obtain the right to broadcast advertising matter. If the "B" class stations had been established directly at the request of the public and solely from altruistic motives on the part of their proprietors, the desire of the Dunedin meeting would be logical and commendable. It must not be forgotten, however, that the prime motive of the owners of "B" class stations has been their own business advancement. They entered upon the provision of amusement for the public quite gratuitously and as a business speculation on their own part. Now that they are faced with their present dilemma, it is perhaps a little Gilbertian to expect the public to rally to their support and find ways and means of extricating them from a situation whose inevitable development could easily have been foreseen.

SO long as the "B" class stations were content to provide amusement for the public on the terms of their licenses, no objection whatsoever could legitimately lie against them. Listeners naturally took advantage of their generosity and derived pleasure from it. So soon, however, as the basis of the broadcasting system laid down in New Zealand is sought to be affected by the intrusion of a policy of selling advertising time upon the air, we think listeners in general are entitled to closely review the situation. This is not a matter which can be dismissed lightly. Very grave and far-reaching implications are involved. The Government, on the advice of its responsible advisers, who fully investigated the situation, originally laid down the policy of a central broadcasting system to be supported by the fees of listeners. In the contract given to the Radio Broadcasting Company, a limited right was given of selling advertising time. That clause has never been exploited by the Radio Broadcasting Company, because it was judged to be against the interests of listeners and the general policy of the Company in relation to broadcasting in New Zealand. The "Radio Record" believes that that policy has been sound. That belief is based upon American experience. By permitting the sale of advertising time in America a multiplicity of stations has been built up to cater for that trade. This system has been in operation for some years—long enough to permit of the logical development of the factors involved. That development is seen to be that advertising time is monopolised by a group of the more powerful corporations in the United States, and that listeners' interests play second fiddle to commercialism. The plutocracy of capital is at work. The cost of going on the air from a chain of stations is so great that minor business interests cannot afford the price demanded. If New Zealand embarked upon this policy that course would follow here. Powerful American interests would dominate our air to the disadvantage of listeners and local businesses. Money would talk as it always does, and we would become subservient to plutocratic dominance.

THE question now primarily is: "Is advertising on the air to be allowed at all?"—Yes or no? We sincerely believe that the right answer to that question is "No." In the first place it is against British temperament. We do not wish our homes to be invaded by advertising. In our hours of relaxation we seek amusement and entertainment. We do not wish to be followed by the insidious lure of toothpaste or the thrilling cacophony of costumiers. Listeners have shown their capacity through their fees to support an adequate broadcasting service in New Zealand. The inception of general advertising on the air in our opinion would be an invasion of the rights of listeners, and would be met with strong antagonism by both Press and public throughout the Dominion. The position in which the "B" class stations find themselves commands our sympathy, but we cannot allow that sympathy to obscure the main issues in which the interests of listeners are so deeply involved. In plain language, the "B" class stations established themselves with their eyes open to future possibilities, and they must face the issues themselves.

Stewart-Warner Radio Chosen by Spelling Bee Winner

Mr. Norrie (official adjudicator):

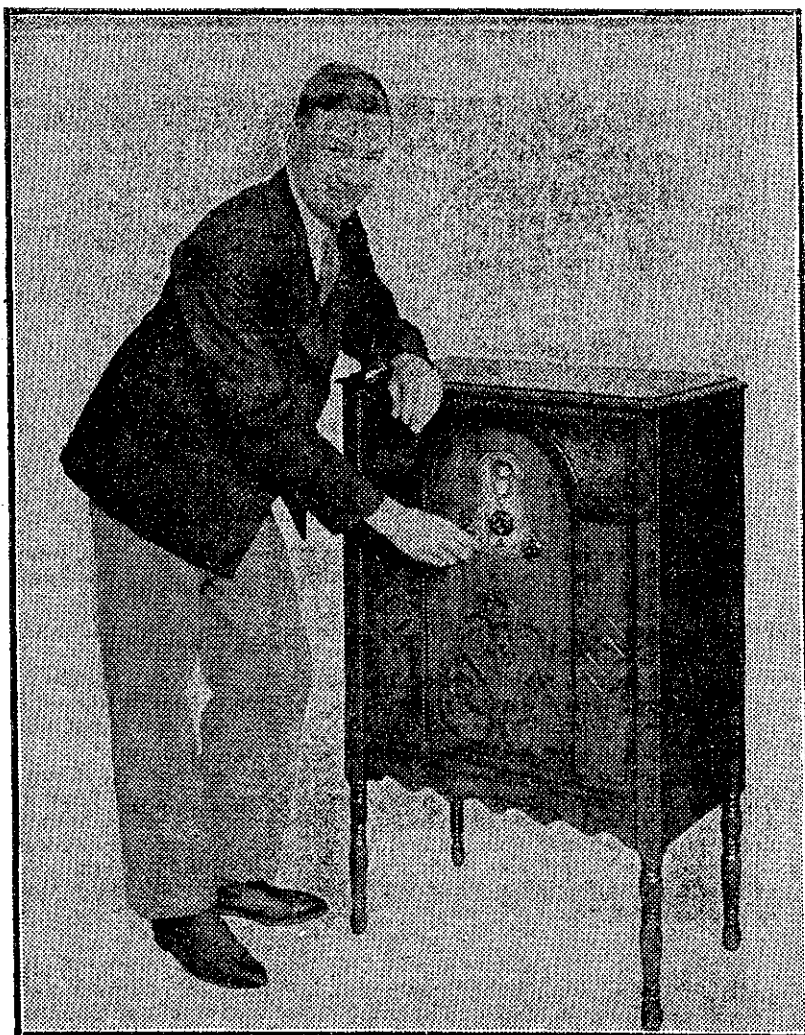
"Spell Non-concurrence."

Mr. Spring: "N-o-n-c-o-n-c-u-r-r-e-n-c-e."

Mr. Norrie: "Right!"

... and this concluded the Spelling Bee Competition. Mr. Spring was entitled to choose any radio as his reward. We congratulate Mr. Spring on his good fortune.

Mr. Spring knows a good radio when he sees one, and after giving every consideration, chose a STEWART-WARNER RADIO as representing the best and most up-to-date Radio obtainable. But read his letter, his own words will tell you what he thinks:—



September 2nd, 1930.
8, Flors Street,
Karori, City.

Messrs. Hope Gibbons, Ltd.,
Stewart-Warner Radio Division.

Dear Sirs,

I take much pleasure in telling you how pleased I am with my choice of a Stewart-Warner Radio. I had the opportunity of taking any set, but after making exceedingly careful comparisons for tone, power, selectivity, and gramophone reproduction, I decided that yours was by far the best instrument. Being, too, a keen radio amateur, and knowing something about commercial radios, I consider the Stewart-Warner one of the neatest and well set out chassis units I have seen. It is something to be proud of. I am very pleased at having won the "Spelling Bee" Competition which entitled me to make a free choice of the best radio obtainable, and I look forward to many happy hours with my newly acquired Radio.

Yours very sincerely,

A. H. Spring

NO champion has been so sensationally successful as the Stewart-Warner Screen-Grid Radio. It has completely knocked out all previous standards of "best" in radio performances. It is so powerful that it brings distant stations booming in with absolute fidelity of tone... so selective that stations which you only know by hearsay are instantly at your command no matter how near you may be to a "local." This success did not just happen... it is not a lucky fluke. It is the result of over 25 years of experience in the production of high-grade electrical equipment... of supervision which insists on unmerciful accuracy in the manufacture of every unit. Ask your dealer for a demonstration and you will both hear and see why the Stewart-Warner has been proclaimed the winner by everyone who has heard it.

STEWART-WARNER

The Set With **RADIO** *The Punch*

Distributed through a hundred Licensed Authorised Radio Dealers by—

Hope Gibbons Ltd

RADIO DIVISION

AUCKLAND

CHRISTCHURCH

WELLINGTON

The Modern Mercury Speeds His Way

BEAM WIRELESS BETWEEN ENGLAND
AND AUSTRALIA PROVIDES
REMARKABLY RAPID AND
CERTAIN MEANS OF
COMMUNICATION.



Mr. E. T. Fisk, General Manager of Amalgamated Wireless, Aus., Ltd., whose initiative and ability brought the vision of beam wireless to maturity.

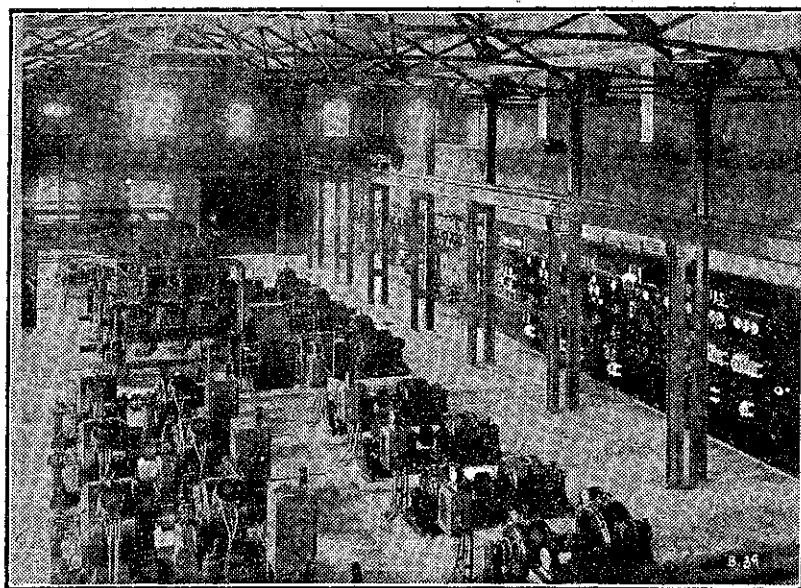
WITHIN recent years the knowledge and application of wireless has made remarkable advances. Its commercial application has been a veritable triumph, annihilating distance and bringing the most distant parts of the world into wireless contact with the centres of civilisation. In that triumph our own section of the world has not only played a very great part, but in the development of many phases of wireless has led the world.

Less than two years ago, the only Australian wireless communication services available to the public were the Marine services to and from ships, and the island services between Australia and Papua, and Australia and New Guinea. To-day, step into the Beam offices at Sydney and Melbourne, or enter any Post Office in the Commonwealth and you may send a message, via Beam, to some of the remote places of the world—to Esthonia or Greenland in Europe; Yukon or

Alaska, in North America; to Porto Rico or San Domingo, in the West Indies; Guatemala or Costa Rica, in Central America; to name but a few of the traffic destinations in these particular countries.

By day and night, messages are being dispatched to Great Britain, Europe, Canada, the United States of America and South America, via Beam.

The Beam wireless service between Australia and Great Britain and the Continent of Europe, owned and operated by Amalgamated Wireless (Australasia),



This huge generating plant at Ballan manufactures the power to transmit messages at the rate of 1250 letters a minute to England and Canada.



As soon as messages are received for transmission they are typed on to a typewriter, which, instead of using letters, punches a tape. A roll of tape can be seen at the back of the machine on the left-hand side of the picture.

Ltd., was opened for commercial traffic on April 8, 1927, and almost immediately leapt into public favour.

Additional Beam facilities were made available on June 16, 1928, by the opening of the service between Australia and North and South America, thus providing not only direct communication with the New World, but also a second link with the Old World, via the Montreal-London Beam circuit.

Considering the excellent service rendered to clients—and the lower rates quoted to the public, together with the speed and accuracy of the Beam system, it is not surprising that to-day the majority of the messages between Australia and Great Britain, the Irish Free State, Europe, Canada, United States of America, and South America are transmitted via Beam. The service has been the means of effecting a saving to the Australian business community of many thousands of pounds per annum.

THE greatest long-distance direct telegraph service in the world, the Beam service, is operated entirely without retransmission or relays. It is by far the most speedy method of communication yet devised, the speed of working being limited only by the mechanical limitations of the manipulating and recording instruments at each terminal.

Beam wireless signals travel at the rate of 186,000 miles per second, and the sending apparatus handles the messages at the rate of 1250 letters per minute. It will be seen that a message of 125 code words could be in London one minute after transmission commenced in Australia.

The Beam offices of Sydney and Melbourne are open for traffic day and night. The doors are but ornamental—they have never been closed since the inauguration of the service.

The Beam wireless transmitting centre in Australia is located near Ballan—about 50 miles to the North-west of Melbourne, and the receiving centre is at Rockbank—18 miles from Melbourne, in the same direction. Both stations are connected by special telegraph lines with the Beam Wireless offices at Melbourne and Sydney.

At Ballan there are two transmitters—one of which is used for sending messages to London, whence they are distributed through the United Kingdom to Europe, and the other transmits to Montreal all messages for the North and South American Continents. Much of the equipment is in duplicate—some in triplicate—to ensure continuity of service under all conditions. Both stations are under the supervision of a technical staff, whose duty it is to maintain the apparatus in efficient working order.

THE transmission of messages originates at the Beam offices in the heart of Melbourne or Sydney, and the telegraph operators there, by means of special telegraph lines to the Beam stations, automatically cause the great transmitters at Ballan to radiate the messages, and likewise messages from London or Montreal are received at Rockbank and automatically passed on to the telegraph centres in Sydney or Melbourne, where they are recorded on tape.

Beam messages originating in Sydney and Melbourne are mostly collected by the Beam messengers, or are handed over the counter of the Beam telegraph offices. Messages lodged at the post offices throughout the Commonwealth are handed over to the Beam office. As messages reach the Beam telegraph offices they are numbered, recorded and sorted according to their destination and class (full rate, deferred, daily letter or week-end letter) and distributed to expert machine telegraphists.

A continuous stream of messages flows to telegraphists seated at machines resembling typewriters—but in reality high-speed automatic perforators. As quickly as an expert types the message it is transcribed by the machine, but instead of recording it in letters of the ordinary alphabet, the machine punches it in the form of a series of small perforations on paper tape about half an inch wide, similar to music rolls in player pianos. There is a distinctive series of perforations corresponding to ordinary Morse characters for each letter.

The rate of transmission is much greater than the rate at which the operator can work a perforating machine, and it is therefore necessary to keep several operators employed punching tape to maintain the high speed of transmission.

After the tape is "punched" it is passed through an automatic transmitter at high speed. This transmitter interrupts an electric current in the telegraph line connecting the Beam Wireless offices at Sydney and Melbourne, with the transmitting station at Ballan, Victoria, and actuates at high speed the automatic signalling relay at the transmitting station. Wireless waves, travelling at such high speed that they reach England or Canada—as directed—in a fraction of a second are radiated from the aerials as Morse characters of the message. The signals are picked up by the Beam receiving station at Skegness, England, or the Canadian Beam station at Yamachiche, and are passed automatically to the Beam offices in London or Montreal respectively.

Simultaneously with the feeding of the tape to the automatic transmitter, the message is being recorded by machines at the respective receiving offices in London or Montreal. In glancing at the recording instrument next to the transmitter at Sydney or Melbourne Beam

offices, one can visualise the tape running through the machine at the other side of the world, and realise as never before, how wireless annihilates distance.

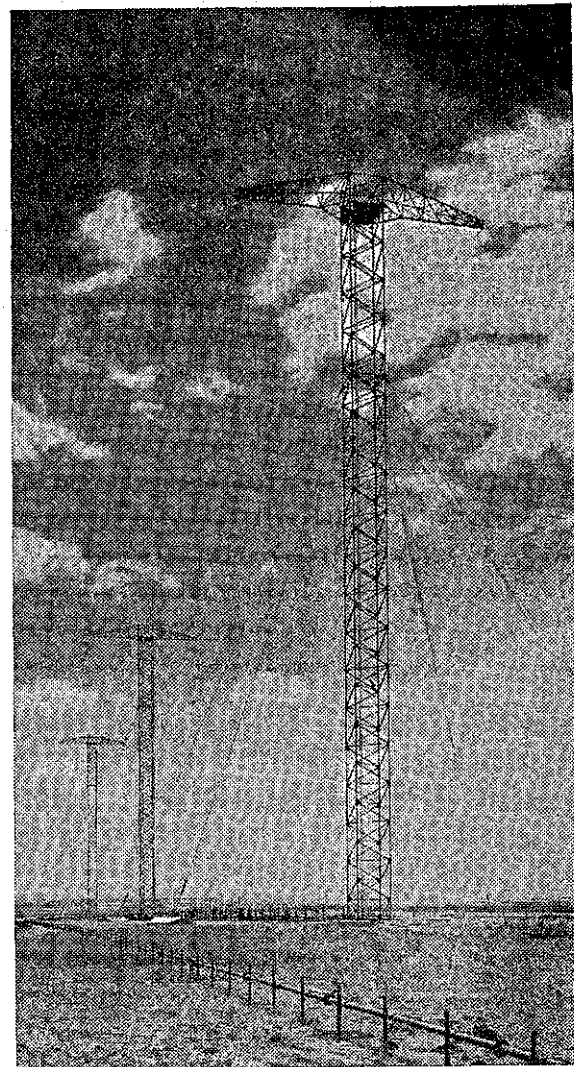
In addition to the Beam stations, smaller statiops or units are required for collecting the outward traffic and feeding it to the main Beam stations, and also for distributing the inward Beam traffic to other States. These smaller units, known as Beam feeder transmitters and Beam feeder receivers, have been installed at practically every Australian capital. Two Beam feeder transmitters are located at Sydney, two at Melbourne, and one each at Adelaide, Perth and Brisbane. These stations transmit traffic direct by wireless to the Beam Traffic Office, Melbourne. From here it is automatically transmitted overseas via the Ballan transmitting station.

The Beam Feeder transmitting stations at Sydney and Melbourne can be utilised almost immediately for exchanging overseas traffic should a mishap occur at Ballan Transmitting Station.

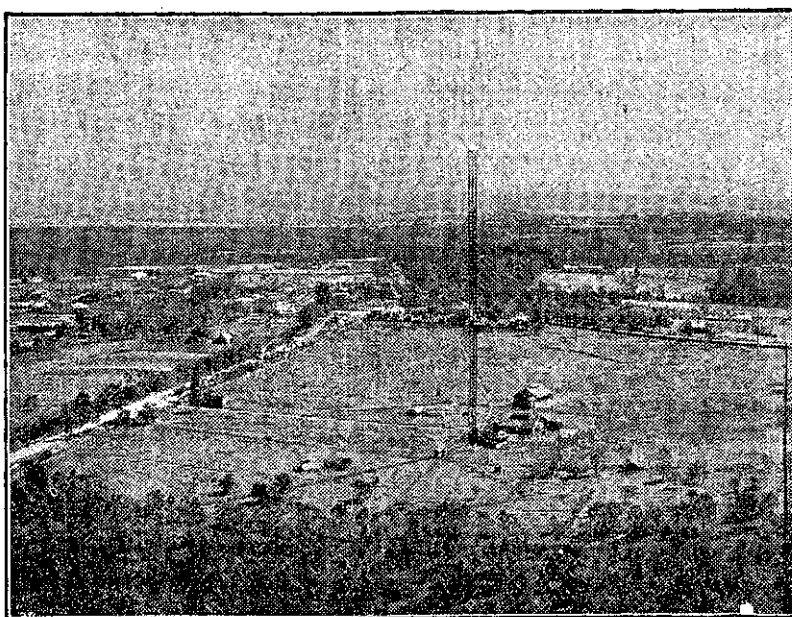
The strenuous work of arranging and supervising the construction of the Australian Beam Stations, and the organisation of a staff to operate the service from its inauguration with faultless precision and in competition with telegraphic systems that have been in operation over a number of years, called for organising ability of no mean order.

The whole of this work was carried out under the direct supervision of Mr. E. T. Fisk, managing director of Amalgamated Wireless, who for the last decade, had not only visualised direct trans-ocean wireless communication between Australia and Great Britain, and Australia and the other Dominions, but had consistently advocated and educated the powers that be to a realisation of the needs for such services, and had demonstrated to them the technical means and methods by which it could be carried out.

To-day Mr. Fisk has the satisfaction of seeing his cherished idea of a direct wireless service between Australia and Great Britain and Australia and North America in successful operation.



Three of the six huge masts of the main beam station at Ballan, near Melbourne.



The 400ft. mast at Radio Centre, Pennant Hills, Sydney.

Feature Peeps at Future Programmes

SUNDAY

From Auckland.

DIVINE service in the Church of Christ, the preacher being Pastor W. Campbell, will be relayed. During the concert programme to follow from the studio the Trio will be heard in instrumental numbers, Miss Mary Coffield, a popular young singer, in soprano numbers, and Mr. John Bree in baritone solos.

Wellington Notes.

THE service in St. John's Presbyterian Church will be broadcast. The preacher will be the Rev. J. R. Blanchard, B.A., organist and choir-master Mr. C. W. Kerry. At the conclusion of the service the recital of the Wellington Municipal Tramways Band will be relayed from St. James's Theatre. The band plays under the conductorship of Mr. E. Franklin.

3YA's Programme.

ARCHBISHOP JULIUS will preach at the Anglican Cathedral, Christchurch, when the service is to be broadcast. Dr. J. C. Bradshaw will preside at the organ. The relay of the 4YA studio concert will follow.

Items from Dunedin.

THE service in the Salvation Army Citadel will be broadcast, the preacher being Captain Chandler. The studio concert to follow will be given by the Kaikorai Band, the assisting vocalists being Miss Lettie de Clifford (soprano) and Mr. Arthur W. Alloo. It will be a well diversified programme, but appropriate for a Sunday.

MONDAY

Features from 2YA.

AT 3 o'clock there will be a relay from the Dominion Farmers' Institute, the "At Home," which the Early Settlers Historical Association

will tender to Lord and Lady Bledisloe.

Mr. Victor Lloyd's Company will present another of their entertaining plays at 2YA this evening. The play will be founded on Mr. Victor Lloyd's novel, "The Son of Peter," specially adapted for radio by Mr. Lloyd. The incidental music will be furnished by the 2YA Orchestra, under Signor A. P. Truda.

(Notes on this play will be found elsewhere.)



MR. A. GIBBONS TAYLOR, whose bass-baritone solos are a feature of 1YA's studio concerts. Mr. Taylor, who is now one of Auckland's most popular singers, was formerly a member of the Westminster Glee Singers.

—S. P. Andrew, photo.

3YA Items.

THIS will be band night, for which Derry's Military Band under Mr. J. Scott has been engaged. A good

variety programme is always arranged by Mr. Scott. On this occasion there will be two marches, "College Life" and "Anchor's Aweigh," an intermezzo, "Rosemary," a selection from "Maritana," Douglas's grand fantasia "Britannia," a medley of sea songs, and "Destiny," a waltz by Baynes. A trombone solo, "The Death of Nelson," will be played by Bandsman Barsby, to band accompaniment. The vocal soloists for the evening will be Miss Betty Suttton (soprano), Mrs. Anne Parr (mezzo-soprano), Mr. W. J. Bischlager (tenor), and Mr. Malcolm Miller (baritone). Miss Mavis Kinsella will recite.

Notes from 4YA.

THE W.E.A. talk at 4YA will be given by Mr. A. Salmond, B.A., of the Otago Boys' High School. He will speak on "Sphere or Race Conflict."

An exceptionally varied entertainment of an operatic nature is to be presented by 4YA as extracts from operas by Verdi, Puccini, Greig, Handel and Ponchielli will be sung by Miss D. Youd, Miss M. Stokes, Mr. D. Wrathall, and Mr. J. E. Davies. The popular Salon Orchestra has also included excerpt from modern operas and musical comedies in its selections.

Of the works of Ponchielli, the modern opera composer, who stands next to Verdi in Italian estimation, "La Gioconda" has found its way into the repertoire of all the opera houses in the world. A solo, "Voce di Donna," from "La Gioconda," is to be sung by Miss Myra Stokes, who is a new artiste at 4YA. Possessing a voice of exceptional quality and with great interpretative ability, Miss Stokes is certain to become an acquisition to broadcasting programmes. The Winkel-Lampen Radio Players, who always broadcast bright and entertaining sketches, will be responsible for the humorous side of the entertainment. These radio players can be relied upon to provide something worthy of appreciation from listeners. Mrs. C. Drake, the studio pianist, will contribute to the programme Chopin's beautiful G Major "Nocturne."

TUESDAY

From Auckland.

ANOTHER new artist in the person of Mr. David Whisker, flautist, will be introduced to listeners this evening. He has studied in the Sydney Conservatorium for some years, being flautist in the orchestra, and also giving many recitals while in Sydney. He will play "Spring's Awakening," "The Mocking Bird," and "Romance." Operatic solos will be presented by Miss Patricia McLeod, soprano, whose last appearance at this station proved so acceptable. She will sing "Una Voce Poco Fa" (from "The Barber of Seville") and "Ombra Leggera" (from "Dinorah"), and Mr. Len Barnes, baritone, will sing "As Jewels Divine" (from "Tales of Hoffmann"), "Where Gloomy Pine Trees Rustle" (from "Rose Maiden"), and

The Week

AT HOME TO THEIR
EXCELLENCIES

2YA, MONDAY AFTERNOON.

"SON OF PETER"

2YA, MONDAY NIGHT.

PROFESSIONAL MUSICIANS

4YA, WEDNESDAY.

"WIND FLOWERS"

4YA, FRIDAY.

EIGHT O'CLOCK REVUE

2YA, SATURDAY.

"West Country Lad" (from "Tom Jones"). Mr. A. B. Chappell, M.A., will give a further topical talk, and the String Octet, under the direction of Mr. J. Whitford Waugh, will play selections from various well-known operas. The programme will conclude with a gramophone lecture-recital.

2YA's Features.

MISS Winifred Tricker, making her first appearance before the microphone, will be heard in several mezzo-soprano solos. Mr. Billy Hart, the popular entertainer, will be heard in popular songs at the piano, and Mrs. Mildred Kenny's Guitar Orchestra will furnish two groups of light numbers.

Miss Maisie Oakes and Mr. Will McKeon, two well known performers, will in future be heard as a duo, and this programme will mark their initial effort as a combination. Their items will comprise light, vocal and humorous numbers, and a brief skit on broadcasting.

The Salon Orchestra will be heard playing Sidney Baynes's arrangement of "Squire's Songs," Mozart's brilliant "Clarinet Concerto" (the soloist being Mr. H. Langtry), Ring's suite of African scenes, "Tchaka," and "Romance," by Rubinstein. By request, Mr. W. Haydock, first violinist of the orchestra, will play Sarasate's "Gipsy Airs." A dance programme will terminate the evening at 11 o'clock.

Gleanings from 4YA.

THE Dunedin Tramways Band, under the conductorship of Mr. Chas. T. Morgan, provides a bright programme, and this evening's selections by the band as broadcast by 4YA will include some of the band's best numbers. A well-arranged fantasia of American airs by Greenwood, who is an exceptionally fine brass band arranger, is the special item. One of the most popular band waltzes by Gungl, the Hungarian composer, will be played. Among other items will be the foxtrot, "The Lone Girl Flyer," composed and dedicated to Miss Amy Johnson. Miss Dora Drake, a choir soloist in St. Paul's Cathedral, will be heard for the first time during this session, singing three delightful ballads by Sanderson, Willeby, and Clarke. Miss Drake possesses the essential quality for broadcasting vocalists—splendid diction. Miss Betty Hamilton and Mr. J. B. Hamilton will present interesting ballads. Both these

New Goods at New Prices.

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High Note Buzzers 4/-
Automatic Switches for
Eliminators and Chargers 21/-
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Merola Pick-ups with
Volume Control £3/15/-

Full-size 45-volt
"Bright Star"
"B"
Batteries
17/6 each

L. B. Scott Ltd.

BOX 395, CHRISTCHURCH.

artists have only recently made their debut, and have good broadcasting voices. One of the finest broadcasting voices is possessed by Mr. Edward Bond, bass, and his interpretation of "Bells of the Sea," by Solman, and "The Glory of the Sea," by Sanderson, will without doubt be most sympathetic and descriptive. Miss Madge Yates, the well-known Dunedin elocutionist, also appears on this programme, presenting extracts from Masfield, Munro, and Whituel. The instrumental section of the programme is to be enhanced by the appearance of Miss Eva Judd, violinist.

WEDNESDAY

Programme From 1YA.

FROM 12.30 p.m. to 1.30 p.m. the community singing at the Auckland Town Hall will be broadcast.

The 1YA Broadcasting Choir, under the direction of Mr. Len Barnes, will be welcomed this evening. Some of the numbers to be performed have already been heard, and were so highly commented upon that repetition has been asked for. As an innovation there will be two short community songs by the choir, and this will enable many listeners who are unable to attend the community singing during the day to join. Two members of the choir will be heard in solos—Miss Chrissie Foster (soprano) and Mr. Jack Dickie (baritone), the latter making his first appearance at this station. The programme will be varied by instrumental items, including a violin solo by Mr. J. Whiteford Waugh, a pianoforte solo by Mr. Towsey, and concerted numbers by the Studio Trio.

3YA Items.

TWO songs by Morley, who lived at the time of Shakespeare, and was possibly his friend, will be heard from 3YA. One, "Now is the Month" will be rendered as a quartet, and the other, "It was a Lover and his Lass," as a solo. Miss Corrie Aslin will be heard in one of the songs. Another quartet by the Salon Quartet, will be the old Scottish favourite, "Duncan Gray." Varied vocal solos and numbers by the Studio Octet, under Mr. Harold Beck, should make the programme enjoyable.

From 4YA.

A RELAY of a concert by the Otago Society of Professional Musicians will be relayed from the Town Hall. Four local choirs are to perform, and 4YA's Studio Trio has been engaged to provide the instrumental section of the concert.

The soloists are Mr. Ernest Drake (tenor), Mr. G. W. Johnson (baritone), and Misses Mary Fraser and Koa Oliver (piano).

THURSDAY

Puddings and Pies.

THE home science talk from 1YA, 2YA, and 3YA will be on "Hot Puddings and Pies." This talk has been prepared by the Home Science Extension Department of Otago University.

Auckland Features.

THE Orpheus Musical Club, which, though it has been in existence for some time, will broadcast from 1YA for the first time to-night. Consisting of members of a city business house, it was established to foster good music among young players, and to provide enjoyment for the other members of the staff. The conductor is a well-known Auckland musician, who wishes to remain anonymous. Mr. Frank Sutherland, the well-known bass-baritone, whose numbers will be accompanied by the orchestra, will sing three old favourites, "The Deathless Army," "The Trumpeter," and "My Old Shako." During the evening the Asquiths will give a novelty entertainment. The programme will conclude with dance music until 11 p.m.

Wellington Notes.

THE Wellington Artillery Band, under the conductorship of Captain T. Herd, will provide the major portion of the programme, playing the fantasia "Memories of Britain," the Highland Patrol, "Wee Macgregor," the humorous "A Trip to Blackpool" (repeated by request), the serenade "Rose of Granada," a selection from "William Tell," and the waltz "Juliana," the march "The Conservator," and the fox trot "Gee Whizz." The vocal portion of the programme will be furnished by the Lyric Male Voice Quartet, and Mrs. H. Dawson, the latter singing two soprano solos. Elocutionary items will be given by Mr. Hedley Aitken, one of Wellington's rising young elocutionists.

Broadcast by 3YA.

THE vocalists for the evening will be the Grand Opera Quartet, singing quartets, trios, duets and solos from "Aida" and "Carmen." Several old favourites will also be heard: "The Harp that Once," "The Glory of the Sea," Tosti's "La Serenata," and "She Alone Charmeth my Sadness." Flute solos will be contributed by Mr. W. Hay, and there will be an orchestral programme by the Studio Octet, under Mr. Harold Beck, playing "Pinal's Cave" overture, several of Macdowell's delightful "Woodland Sketches," and German's "Henry VIII. Dances."

FRIDAY

Features from 1YA.

AN interesting programme, to include many of Auckland's leading artists, has been arranged. The New Clarion Quartet (Miss Lilian Woods, Miss Beryl Smith, Mr. Lambert Harvey and Mr. Duncan Black) will be heard in concerted and solo numbers. "Am-Meer," a transcription of one of the famous songs of Schubert, will be played by Mr. J. Whiteford Waugh. Clarinet solos will be rendered by Mr. S. C. Lewis, a very popu-



MRS. STEPHEN TEMPLE.
A well known 3YA elocutionist.
—Steffano Webb, photo.

lar performer from this station. Miss Maisie Carte-Lloyd, a foremost elocutionist, will also be heard in several numbers.

Notes from Wellington.

THE programme will consist mainly of excerpts from light operas. The vocal items will include voice solos and concerted numbers from "Faust," "The Geisha," "Tom Jones," "The Rose Maiden" and "Merrie England." The supporting orchestral items will also include selections from grand and light opera. Miss Dulcie Reeve will play as a pianoforte solo a composition "The Lark," by the Russian composer Glinka. Two elocutionary numbers, one dramatic and one humorous, will be given by Mr. Doug. Edwards. During the course of this programme portion of a sound film will be relayed from the Majestic Theatre.

3YA's Programme.

THE contributing artists to the popular programme will be: Mrs. Grace Empson (mezzo-soprano), Mr. D. McGill (tenor), Mr. Leslie Fleming (bass), Mr. J. P. Darragh (elocutionist), Mr. E. Withers (clarinetist), Mr. N. G. Goffin (cornetist), Mr. John Campbell (concertina and ocarina exponent) and Mr. Les Grummitt (improvisor on the piano).

Items from 4YA.

THE works of Arthur Somerville. Mus., Doc., the brilliant scholar and pupil of Sir Chas. Stanford, are to be represented at 4YA this even-

ing by the presentation of one of his finest song cycles, "Wind Flowers."

As Dr. Somerville, prior to his musical course, was a student of the classics, it is only to be expected that there will be something outstanding in the style and treatment of his librettos. Included in the items is the quartet, "Music When Soft Voices Die." Somerville's treatment of this rivals Roger Quilter's solo arrangement of these delightful words. A further example of Somerville's beauty in composition is found in the duet of the same cycle, "Two Doves on a Self-Same Branch."

The whole of "Wind Flowers" is characteristic of the quaint folk song-typical of the English race. John Sebastian Bach's compositions, both instrumental and vocal, occupy the remaining portion of this particularly fine entertainment. There will be a lecture by Mr. Max Scherek, president of the Otago Society of Musicians, on this great composer.

SATURDAY

Auckland Notes.

THE String Octet under the direction of Mr. J. Whiteford Waugh will provide several items. Also appearing will be Mr. Hugh G. Woods, a fine bass-baritone, whose singing in Mrs. Zoe Bartley Baxter's presentation of an Omar Khayyam Fantasy recently was favourably commented upon. Mr. Robert McKnight will make another welcome appearance in solos on the English concertina. Listeners have lately enjoyed the "Radio Magic" presented by Mister Ree, and they will be again entertained by the same magician.

Featured from 2YA.

THE concert programme will be devoted to a further instalment of the popular "Eight o'clock Revue." The company, which will be asisted by the Salon Orchestra, will provide an hour and a half of bright, entertainment, including in their numbers light vocal solos, popular ballads, sketches.

Gleanings from 3YA.

THE dedication ceremony in connection with the new Baptist Church at Sydenham, of which the Rev. J. K. Archer is the minister, will take place at 3 o'clock, and will be broadcast by 3YA. Lord Bledisloe will speak. The evening's vaudeville concert will be relayed to 4YA.



MRS. W. SCOTT.
Who, with her husband, provides many delightful numbers from 1YA.
—S. P. Andrew, photo.

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Full Programmes for Next

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Sunday, September 21

1YA, AUCKLAND (900 KILOCYCLES)—SUNDAY, SEPTEMBER 21.

- 3.0 : Afternoon session—Selected studio items, including literary selection by the Announcer.
 4.30: Close down.
 6.0 : Children's session conducted by "Uncle Bert."
 6.55: Relay of Divine Service from Church of Christ (Preacher, Pastor W. Campbell).
 8.30 p.m. (approx.).
 Instrumental trio—Studio Trio, (a) "Rhondo," from Trio in G Major (Haydn); (b) "Minuet in G" (Beethoven).
 Baritone—Mr. Rex Harrison, (a) "Abide With Me" (Liddle); (b) "God is Our Refuge" (Stevens).
 Instrumental trio—Studio Trio, (a) "Polonaise in A" (Chopin); (b) "Chanson Triste" (Tschalkowsky); (c) "Cavatina" (Raff).
 Baritone—Mr. Rex Harrison, (a) "How's My Boy?" (Homer); (b) "To be Near My Beloved" (Cadman); (c) "The Moon Drops Low" (Cadman).
 Instrumental trio—Studio Trio, (a) "Playera" (Granados); (b) "The Rosary" (Nevin); (c) "Vivace" (Raff).
 Baritone—Mr. Rex Harrison, (a) "Spirit Song—Hark, What I Tell to Thee" (Haydn); (b) "It is Enough"—"Elijah" (Mendelssohn).
 Instrumental trio—Studio Trio, (a) "Andante" from Trio in G Major (Haydn); (b) "Nina" (Pergolese, arr. Kreisler).
 Orchestral—Vienna Philharmonic Orchestra, "Hungarian Dance No. 3" (H.M.V., B3145, Brahms).
 9.30: God Save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SUNDAY, SEPTEMBER 21.

- 3.0 to 4.30: Afternoon session of selected gramophone records.
 6.0 : Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from the Cambridge Terrace Congregational Church.
 7.0 : Relay of Evening Service of St. John's Presbyterian Church. Preacher, Rev. J. R. Blanchard, B.A. Organist and Choirmaster, Mr. C. W. Kerry.
 8.15 (approx.): Relay of the Band Recital of the Wellington Municipal Tramways Band from St. James Theatre (Conductor, Mr. E. Franklin).

3YA, CHRISTCHURCH (980 KILOCYCLES)—SUNDAY, SEPTEMBER 21.

- 3.0 : Afternoon session, gramophone recital.
 4.30: Close down.
 5.30: Children's Song Service by children from Anglican Sunday Schools.
 6.15: Musical recordings from Studio.
 7.0 : Relay of Evening Service from Christchurch Anglican Cathedral. Preacher: His Grace Archbishop Julius. Organist and Choirmaster: Dr. J. C. Bradshaw.
 8.15 (approx.): Relay of programme from 4YA Dunedin.
 God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, SEPTEMBER 2.

- 3.0 : Chimes. Selected gramophone items.
 4.30: Close down.
 5.30: Children's Song Service, conducted by Big Brother Bill.
 6.45: Relay of Evening Church Service from Salvation Army. Citadel. Preacher: Captain Chandler. Conductor of Band: Mr. A. W. Millard.
 8.15: Studio Concert by Kaikorai Band under conductorship of Mr. Thos. J. Kirk-Burnand.
 March—The Band, "New Zealanders" (Lithgow).
 Serenade—The Band, "In This Hour of Softened Splendour."
 8.25: Soprano—Miss Lettie de Clifford, "There is a Green Hill Far Away."
 8.29: Negro Spiritual—Fisk Jubilee Singers, "Ezekiel Saw De Wheel."
 8.33: Selection—The Band, "Ten Minutes with German Grand Opera."
 Entr'acte—The Band, "Slumber Song" (Squire).
 8.50: Baritone—Mr. Arthur W. Alloo, (a) "The Lord is My Light" (Allitsen), (b) "Litany" (Schubert).
 8.57: Squire Celeste Octet, "A Vision of Christmas" (Harrison).
 9.3 : Weather report.
 9.5 : Soprano—Miss Lettie de Clifford, (a) "The Holy Child" (Martin), (b) "The Legend" (Tschalkowsky).
 9.11: Selection—The Band, "Ballad in G Minor" (Kirk-Burnand).
 9.20: Negro Spiritual—Fisk Jubilee Singers, "Little David" (Trdrl.).
 9.24: Baritone—Mr. Arthur W. Alloo, "Nazareth" (Gounod).
 9.27: Gloria—The Band, "Gloria From 12th Mass" (Mozart).
 Hymn—The Band, "The Day Thou Gavest, Lord, is Ended" (Dykes).
 9.33: God save the King.

Monday, September 22

1YA, AUCKLAND (900 KILOCYCLES)—MONDAY, SEPTEMBER 22.

SILENT DAY.

2YA, WELLINGTON (720 KILOCYCLES)—MONDAY, SEPTEMBER 22.

- 3.0 : Chimes. Afternoon Session. Relay from the Dominion Farmers' Institute of the Early Settlers' and Historical Association "At Home" to Their Excellencies Lord and Lady Bledisloe.
 4.55: Close down.
 5.0 : Children's session, conducted by Uncle Jeff.
 6.0 : Dinner music session, "H.M.V." hour.
 Orchestral—New Light Symphony Orchestra, "Scene De Ballet Marionettes" (Glazounov) (B2754).
 Orchestral—Berlin State Opera Orchestra, "Polonaise No. 2."
 Violin—Mischa Elman, "Vocalise" (Rachmaninoff, arrgd. Press).
 6.13: Tacet.
 6.15: Orchestral—National Symphony Orchestra, "Fra Diavolo Overture Pts. 1 and 2" (Auber) (Zonophone 5461).
 Piano—Vladimir De Pachmann, (a) "Mazurka in C Sharp Minor Op. 63, No. 3"; (b) "Mazurka in A Minor Op. 67, No. 4" (Chopin).
 Trio—De Groot (violin), David Bor (piano), H.M. Calva ('cello), "El Religario" (Padilla) (B3107).
 6.28: Tacet.
 6.30: Band—Band of H.M. Coldstream Guards, "Martha Selection."
 Violin—Mischa Elman, "Caprice in E Flat Major" (Wieniawski, arr. Kreisler) (DA1033).
 Orchestral—New Symphony Orchestra, "Air on G String" (Bach).
 6.43: Tacet.
 6.45: Orchestral—New Symphony Orchestra, "Persiflage" (Francis).
 Orchestral—New Symphony Orchestra, "Londonderry Air."
 Trio—De Groot (violin), David Bor (piano), H. M. Calve ('cello), "Selection in Hebrew Melodies" (arrg. Saunders) (B3107).
 Piano—Vladimir De Pachmann, "Nocturne in E Minor—Op. 72."
 6.58: Tacet.
 7.0 : News session, market reports and sports results.
 8.0 : Chimes.

PLAY. "THE SON OF PETER."

A Business Drama in three acts adapted from the Novel by Victor S. Lloyd.

CAST.

Miss Cameron ..	Elsie Lloyd.
Frank Bertram ..	Eric A. Clark.
John Fortis ..	Victor S. Lloyd.
Percy Fortis ..	D. Putey.
Monsieur de Courly ..	E. R. Render.
Md'slle de Courly ..	Marjorie Murray.
Parry ..	H. A. Painter.
May Marris ..	Susie Painter.
Doctor ..	E. R. Render.

The incidental music to the play will be played by the 2YA Orchestra, under the conductorship of Signor A. P. Truda.

Overture—2YA Orchestra, "Raymond" (Thomas).

Act I—Scene—The Office of John Fortis, proprietor of the Fortis Shoe Stores, London.

Entr'acte—2YA Orchestra (a) "Prelude"; (b) "Intermezzo Portia" from music incidental to the "Merchant of Venice" (Rosse).

Act II—Scene—The same as Act I.

Entr'acte—2YA Orchestra (a) "Oriental March"; (b) "Prelude" from music incidental to the "Merchant of Venice" (Rosse).

Act III—Scene—The same as Act I.

March—2YA Orchestra, "The Doges March" from music incidental to the "Merchant of Venice" (Rosse).

Chorus—Light Opera Company, "Lilac Time," vocal gems.

Selection—2YA Orchestra, "Oriental Sketches" (Lange).
 God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—MONDAY, SEPTEMBER 22.

- 3.0 : Afternoon session—Gramophone recital.
 4.25: Sports results.
 4.30: Close down.
 5.0 : Children's Hour, "Scatterjoy."
 6.0 : Dinner session, "H.M.V." Hour:
 Orchestral—New Symphony Orchestra, "Minuet" (Boccherini) (B3036)
 Orchestral—Nat Shilkret and The Salon Group, "Stephen Foster Melodies" (Foster), "My Old Kentucky Home" (EB42).

Week-all Stations-to Sep. 27

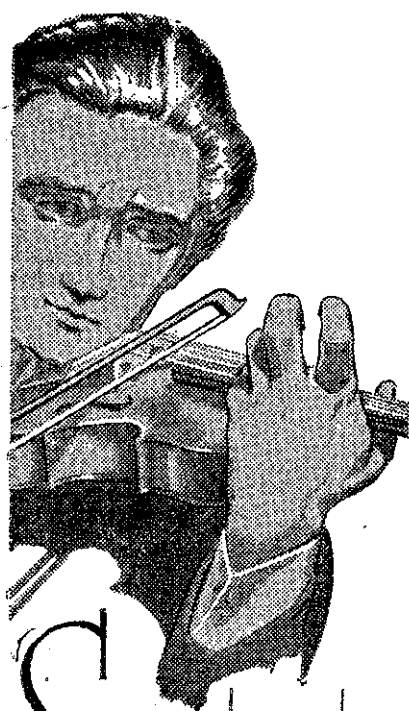
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- Band—H.M. Coldstream Guards, "Wee Macgregor Patrol" (Amers).
Orchestral—Salon Orchestra, "Pagan Love Song" (Freed-Brown).
6.13: Tacet.
6.15: Orchestral—De Groot and His Orchestra, "Waldteufel Memories."
Band—H.M. Coldstream Guards, "Policeman's Holiday" (Ewing).
Organ—Jesse Crawford, "I Get the Blues when it Rains" (EA631).
6.29: Tacet.
6.30: Band—H.M. Coldstream Guards, "Belle of New York" (Kerker).
'Cello—Beatrice Harrison, "Viennese Melody" (Kreisler) (C1647).
Orchestral—Nat Shilkret and The Salon Group, "Stephen Foster Melodies," "Old Black Joe" (Foster) (EB42).
6.43: Tacet.
6.45: Orchestral—New Symphony Orchestra, "Nell Gwynn Dances, No. 3."
Organ—Jesse Crawford, "I'll Always Be In Love With You" (EA631).
Band—H.M. Coldstream Guards, "Geisha" Selection" (Jones) (C1703).
Orchestral—Salon Orchestra, "Wedding of the Painted Doll" (EA633).
6.58: Tacet.
7.0 : News session.
8.0 : Band programme by Derry's Military Band (Conductor, Mr. J. Scott) and 3YA artists.
8.1 : March—Band, "College Life" (Frantzen).
Intermezzo—Band, "Rosemary" (Ivey).
8.11: Baritone—Mr. Malcolm Miller, "For the Green" (Lohr).
8.15: 'Cello—Beatrice Harrison, "Viennese Melody" (Kreisler) (H.M.V.).
8.19: Soprano—Miss Betty Sutton, (a) "Fairy Lures" (Stanford), (b) "The China Dancer" (Rolt).
8.25: Selection—Band, "Maritana" (Wallace).

- 8.33: Recitation—Miss Mavis Kinsella, "My Will" (M.S.).
8.38: Organ—Reginald Foort, (a) "Leave Me Alone" (Dvorak), (b) "Songs My Mother Taught Me" (Dvorak), (v) "By the Blue Hawaiian Waters" (Dvorak) (H.M.V. C1459).
8.44: Mezzo-soprano—Mrs. Anne Parr, "An Old Garden" (Hope Temple).
8.48: Marimba—Marimba Orchestra, "When It's Love-Time in Hawaii."
8.51: Tenor—Mr. W. J. Bischlager, "In Old Madrid" (Trotter).
8.55: Trombone—Bandsman Barsby, "The Death of Nelson" (Brahms).
9.1 : Weather report and station notices.
9.3 : Orchestral—De Groot and Piccadilly Orchestra, "The Waltz Dream."
9.9 : Soprano—Miss Betty Sutton, "Pale Moon" (Knight Logan).
9.13: Violin and organ—Elsie Southgate, "Rose in the Bud" (Forster).
9.16: Baritone—Mr. Malcolm Miller, (a) "So Fair a Flower" (Lohr), (b) "Thy Beaming Eyes" (Macdowell).
9.22: Grand fantasia—The Band, "Britannia" (from "Songs of the Sea").
9.34: Humour—Miss Mavis Kinsella, "At the Seaside" (M.S.).
9.38: Accordion—P. Frosini, "Vision of Love" (Curtis) (Zono. EE176).
9.42: Mezzo-soprano—Mrs. Anne Parr, (a) "If I Built a World for you" (Liza Lehmann), (b) "Coming Home" (Charles Willeby).
9.48: Waltz—The Band, "Destiny" (Baynes).
9.53: Tenor—Mr. W. J. Bischlager, (a) "My Dream" (Bonheur), (b) "Machushla" (Macmurrough).
9.59: March—Band, "Anchor's Aweigh" (Zimmerman).
God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—MONDAY, SEPTEMBER 22.

- 3.0 : Chimes. Selected gramophone items.
4.25: Sporting results.
4.30: Close down.
5.0 : Children's Hour, conducted by "Big Brother Bill."
6.0 : Dinner music, "H.M.V." Hour:
Royal Albert Hall Orchestra, "Carmen, Prelude Act 1" (Bizet).
National Symphony Orchestra, "Sylvia Ballet—Cortege de Bacchus."
Organ—Reginald Foort, "Schon Rosmarin" (Kreisler) (B2664).
6.12: Tacet.
6.15: Marek Weber's Orchestra, "Vienna by Night" (Komzak) (C1507).
'Cello—Lauri Kennedy, "Hungarian Rhapsody" (Popper) (C1595).
6.27: Tacet.
6.30: Selection—National Symphony Orchestra, "Bohemian Girl" (Balfe).
Royal Albert Hall Orchestra, "Carmen, Prelude Act 2" (Bizet).
Organ—Reginald Foort, "A Brown Bird Singing" (Haydn-Wood).
6.42: Tacet.
6.45: Royal Opera Orchestra, "Hungarian Dance No. 5" (Brahms) (C1415).
Selection—H.M. Coldstream Guards, "H.M.S. Pinafore" (Sullivan).
6.57: Tacet.
7.0 : News session.
7.40: Talk—Mr. A. Salmond, B.A., "Spheres of Race Conflict," under auspices of W.E.A.
8.0 : Chimes. Overture—Berlin State Opera Orchestra, "Oberon Overture."
8.9 : Contralto—Miss M. Stokes, "Voce di Donna," from "La Gioconda."
8.13: Selection—Salon Orchestra, "Blue Kitten" (Friml).
8.23: Sketch—Winkel-Lampen Radio Players, "Five-Minute Dialogue."
8.28: 'Cello—Lauri Kennedy, (a) "Cradle Song," (b) "Songs My Mother Taught Me" (Dvorak) (H.M.V. C1595).
8.32: Baritone—Mr. D. Wrathall, (a) "Eri Tu," from "Un Ballo in Maschera" (Verdi), (b) "Vecchia Limarra," from "La Boheme."
8.39: Selection—Salon Orchestra, "Blue Mazurka" (Lehar).
8.49: Soprano—Miss D. Youd, "One Fine Day," from "Madam Butterfly."
8.52: Piano—Mrs. C. Drake, "Nocturne in G Major" (Chopin).
8.57: Tenor—Mr. J. E. Davies, "She Loves, and Loves for Ever" (Evans).
9.0 : Weather report.
9.2 : Band—National Military Band, "The Flying Dutchman Overture."
9.10: Contralto—Miss M. Stokes, (a) "Lascia Ch'io Piangia" (Handel), (b) "I Will Sing New Songs of Gladness" (Dvorak).
9.16: Operatic selection—Salon Orchestra, "Brigands" (Offenbach).
9.23: Sketch—Winkel-Lampen Radio Players, "Two Sketches" (Anon.).
9.29: 'Cello—Lauri Kennedy, "Hungarian Rhapsody" (Popper) (H.M.V.).
9.33: Baritone—Mr. D. Wrathall, "Song of the Flea" (Moussorgsky).
9.37: Overture—Salon Orchestra, "Carmen Overture" (Bizet).
9.45: Soprano—Miss D. Youd, (a) "Solweig's Song" (Grieg), (b) "Ave Maria" (Kahn).
9.52: Violin—Jascha Heifetz, (a) "Jota" (De Falla), (b) "Puck" (Grieg, arr. Achron) (H.M.V. DB1216).
9.56: Tenor—Mr. J. E. Davies, (a) "I've Held Soft Hands in Mine" (West), (b) "To Daisies" (Quilter).
10.1: Selection—Salon Orchestra, "Fancy Free" (Barratt).
10.8 : God save the King.



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DIVISION

WELLINGTON

AUCKLAND

Tuesday, September 23

1YA, AUCKLAND (900 KILOCYCLES)—TUESDAY, SEPTEMBER 23.

- 3.0 : Afternoon session—Selected studio items.
 3.15 : Talk—Mrs. Les Crane—"Health and Beauty in respect to Diet."
 4.30 : Close down.
 5.0 : Children's session, conducted by Uncle Dave.
 6.0 : Dinner session, "H.M.V." hour.
 Orchestral—Marek Weber and His Orchestra, "Cavalleria Rusticana" Selection (Mascagni) (C1786).
 Violin—Fritz Kreisler, "Schon Rosmarin" (Kreisler) (DA1044).
 Orchestral—Vienna Philharmonic Orchestra, "Hungarian Dance No. 3."
 6.13 : Tacet.
 6.15 : Orchestral—Berlin Philharmonic Orchestra, "Tannhauser March."
 Piano—Mischa Levitzki, "Sonata in A Major" (Scarlatti) (E537).
 Orchestral—De Groot and His Orchestra, "I Love You" (Grieg).
 Orchestral—Berlin Philharmonic Orchestra, "Hungarian March" "The Damnation of Faust" (Berlioz) (D1498).
 6.28 : Tacet.
 6.30 : Orchestral—Berlin State Opera Orchestra, "Oberon Overture."
 Violin—Fritz Kreisler, "Rondino" (Kreisler) (DA1044).
 Orchestral—Vienna Philharmonic Orchestra, "Hungarian Dance No. 1" (Brahms) (B3145).
 6.43 : Tacet.
 6.45 : Orchestral—Royal Opera Orchestra, "Entr'acte Act 4 and Ballet Music" ("Carmen") (Bizet) (C1424).
 Orchestral—Royal Opera Orchestra, "Ballet Music" ("Carmen").
 Piano—Mischa Levitzki, "Eccossaise" (Beethoven) (E537).
 Orchestral—De Groot and His Orchestra, "Romance" (Rubinstein).
 6.58 : Tacet.
 7.0 : News session and market reports.
 7.40 : Talk—Mr. Rod Talbot, "Motoring."
 8.0 : Chimes.
 Overture—1YA String Octet, conducted by Mr. J. Whitford Waugh, "Maritana" (Wallace).
 8.11 : Soprano—Miss Patricia McLéod, "Ombra Leggiera" (from "Dinorah").
 8.16 : Flute—Mr. David Whisker, (a) "Spring's Awakening" (Bach); (b) "The Mocking Bird" (Hugot).
 8.21 : Orchestral—1YA String Octet, "Patience" (Sullivan).
 8.31 : Baritone—Mr. Len Barnes, (a) "As Jewels Divine" (from "Tales of Hoffman") (Offenbach); (b) "Where Gloomy Pine Trees Rustle" from "Rose Maiden" (Cowen).
 8.38 : Orchestral—1YA String Octet, "The Marriage of Figaro" (Mozart).
 8.46 : Talk—Mr. A. B. Chappell, M.A., "Topical Talk."
 9.1 : Evening Weather Forecast and Announcements.
 9.3 : Orchestral—1YA String Octet, "Il Trovatore" (Verdi).
 9.13 : Soprano—Miss Patricia McLéod, "Una Voce Poco Fa" (from the "Barber of Seville" (Rossini).
 9.19 : Flute—Mr. David Whisker, "Romance" (Saint-Saens).
 9.23 : Baritone—Mr. Len Barnes, "West Country Lad" (from "Tom Jones").
 9.27 : Orchestral—1YA String Octet, "Romeo and Juliet" (Gounod).
 9.35 : Lecture-Recital—A Commentator, "Gramophone Lecture-Recital, "Latest Recordings."
 10.0 : God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—TUESDAY, SEPTEMBER 23.

- 3.0 : Chimes. Afternoon session—Selected studio items.
 3.30 and 4.30 : Sporting results to hand.
 4.55 : Close down.
 5.0 : Children's session, "Uncle Jim."
 6.0 : Dinner session, "H.M.V." Hour:
 March—U.S. Army Bands, "Army and Marine" (Starke) (Zonophone).
 Selection—Piccadilly Orchestra, "The Waltz Dream" (Strauss).
 Jack Hylton's Orchestra, "My Inspiration is You" (Nicholls) (C1577).
 6.12 : Tacet.
 6.15 : Royal Opera Orchestra, "Sylvia Ballet—Prelude" (Delibes) (C1417).
 Royal Opera Orchestra, "Sylvia Ballet—Intermezzo" (Delibes).
 Salon Orchestra—"Chanson Boheme" (Baldi) (B2581).
 6.27 : Tacet.
 6.30 : Jack Hylton's Orchestra, "A Room with a View" (Coward) (C1577).
 Salon Orchestra, "Aloha Sunset Land" (Kawelo) (B2581).
 March—San Francisco Symphony Orchestra, "Marche Militaire" (ED9).
 6.42 : Tacet.
 6.45 : Detroit Symphony Orchestra, "Spanish Rhapsody" (Chabrier) (E522).
 Organ—Arthur Meale, "Neath the Desert Moon" (Ewing) (B3112).
 March—U.S. Army Band, "American Spirit" (Buglione) (Zono, EE145).
 6.57 : Tacet.
 7.0 : News session, market reports and sports results.
 7.40 : Lecturette—Representative of Agricultural Department, "For the Man on the Land."
 8.0 : Chimes. Overture—2YA Salon Orchestra (Conductor, Mr. M. T. Dixon), "Squire's Songs" (arr. Baynes).
 8.9 : Mezzo-soprano—Miss Winifred Tricker, "Where the Abana Flows."
 8.13 : Guitars—Mrs. Mildred Kenny's Guitar Orchestra, (a) "My Hula Queen" (Clarke), (b) "Cuckoo" (Jonassen).
 8.20 : Entertainers—Mr. Will McKeon and Miss Maisie Oakes, (a) "Introductory Chorus" (original); (b) song, "Happy Days are Here Again" (Ager); (c) humour, "Jones of the Lancers" (Sterndale Bennett).

- 8.32 : Clarinet with orchestra—Mr. H. Langtry and 2YA Salon Orchestra, "Clarinet Concerto" (Mozart).
 8.40 : Popular songs—Mr. Billy Hart, (a) "Cottage for Sale" (Robison), (b) "When I'm Looking at You" (Stothart), (c) "The Latest Popular Hit."
 8.50 : Violin—Mr. W. Haydock, "Gipsy Airs" (Sarasate).
 8.55 : Mezzo-soprano—Miss Winifred Tricker, (a) "The Blue Bell Way" (Brahe), "Red Roofs" (Brahe).
 9.1 : Weather report and announcements.
 9.3 : Guitars—Mrs. Mildred Kenny's Guitar Orchestra, (a) "Hawaiian Sunset" (Vondersloot), (b) "Blue Hawaii" (Baer).
 9.10 : Entertainers—Mr. Will McKeon and Miss Maisie Oakes, (a) "Shakespeare Snapshotted" (original); (b) humour, "A Broadcast Absurdity—Station I.O.U." (original).
 9.22 : Suite—2YA Salon Orchestra, "Tchaka" (African scenes) (Rings).
 9.30 : Dance programme, "Brunswick":
 Foxtrot—Lloyd Huntley and His Isle o' Blues Orchestra, "Moaning for You" (Goulding Dougherty) (4703).
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "Without a Song."
 Foxtrot—Colonial Club Orchestra, "It's You I Love" (4621).
 Foxtrot—Lloyd Huntley and His Isle o' Blues Orchestra, "Along in the Rain" (Goulding Dougherty) (4703).
 Foxtrot—Colonial Club Orchestra, "Why?" (Davis, Coots, Swanström).
 9.45 : Duet—Billy Murray and Walter Scanlan, "Shut the Door" (4611).
 Foxtrot—The A. and G. Gipsies, "South Sea Rose" (Gilbert Baer).
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "Great Day" (4600).
 Foxtrot—The A. and P. Gipsies, "Only the Girl" (Ruby Jérôme) (4656).
 9.57 : Waltz—Hal Kemp and His Orchestra, "Romance" (Leslie, Donaldson).
 Foxtrot—Herman Waldman and His Orchestra, "Marbles" (4649).
 Foxtrot—Hal Kemp and His Orchestra, "Navy Blues" (4676).
 Foxtrot—Benny Meroff and His Orchestra, "The Talk of the Town."
 Foxtrot—Colonial Club Orchestra, "March of the Old Guard" (4690).
 10.12 : Vocal—Frances Williams, "Bigger and Better Than Ever" (4503).
 Foxtrot—Colonial Club Orchestra, "Sweetheart, We Need Each Other" (McCarthy, Tierney) (4567).
 Foxtrot—Herman Waldman and His Orchestra, "Waiting" (Grardner).
 Foxtrot—Ben Bernie and His Orchestra, "What is This Thing Called Love?" (Cole, Porter) (4707).
 10.24 : Waltz—Regent Club Orchestra, "You're Always in My Arms" (4567).
 Foxtrot—Ray Miller and His Orchestra, "Funny, Dear, What Love Can Do" (Bennett, Little, Straight) (4675).
 Foxtrot—Benny Meroff and His Orchestra, "Happy Days are Here Again" (Ager, Yellen) (4709).
 Foxtrot—Ray Miller and His Orchestra, "Finesse" (Maltin, Doll).
 10.36 : Duet—Billy Murray and Walter Scanlan, "Sergeant Flagg and Sergeant Quirt" (Klein, Moll) (4611).
 Foxtrot—Colonial Club Orchestra, "Charming" (Grey, Stothart).
 Foxtrot—Ben Bernie and His Orchestra, "She's Such a Comfort to Me."
 10.48 : Waltz—Lloyd Huntley and His Isle o' Blues Orchestra, "Molly" (4704).
 Foxtrot—Ray Miller and His Orchestra, "My Victory" (4669).
 Foxtrot—Al Goodman and His Orchestra, "Mary" (Gordon, Rich).
 Foxtrot—Ray Miller and His Orchestra, "Blue Butterfly" (4669).
 Foxtrot—Al Goodman and His Orchestra, "Lonesome Little Doll."
 11.0 : God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—TUESDAY, SEPTEMBER 23.

SILENT DAY.

4YA, DUNEDIN (650 KILOCYCLES)—TUESDAY, SEPTEMBER 23.

- 3.0 : Chimes. Selected gramophone items.
 4.25 : Sporting results.
 4.30 : Close down.
 5.0 : Chimes. Children's Hour, conducted by Captain Chandler.
 6.0 : Dinner session, "Columbia" Hour:
 Band—Band of the Garde Republicaine of France, "The Two Pigeons":
 (1) Entrance of Tziganes, (2) Scene and March of the Two Pigeons, (3) Hungarian Dance, (4) Theme and Variations (Messager) (02925).
 6.14 : Tacet.
 6.15 : Orchestral—Modern Dance Players:
 "Over the Waves" (Rosas) (Regal G20582).
 "Amoretten Tanze" (Gungl) (G20582).
 Piano—Gil Dech, "Le Jet d'Eau" (Smith) (01719).
 Orchestral—Plaza Theatre Orchestra, "A La Gavotte" (Finck) (01439).
 Trio—Stellar Instrumental Trio, "The Maiden's Prayer" (01719).
 6.28 : Tacet.
 6.30 : Band—H.M. Grenadier Guards, "Fantasia on Seventeenth Century Music, A.D. 1664" (arr. Major George Miller) (02890).
 Saxophone—Rudy Wiedoeft, "Melody" (Dawes) (01180).
 Orchestral—Continental Novelty Orchestra, "Los Claveles de Sevilla."
 6.43 : Tacet.
 6.45 : Orchestral—Continental Novelty Orchestra, "Las Lagarteranas."
 Instrumental—Squire's Celeste Octet:
 "Come Into the Garden, Maud" (Balfé, arr. Sear) (01103).
 "Killarney" (Balfé, arr. Sear) (01103).
 Organ—Terence Casey, "I'm Lonely" (Coates) (01501).
 Orchestral—Plaza Theatre Orchestra, "Minuet" (Finck) (01439).
 6.58 : Tacet.
 7.0 : News session.

- 8.0 : Chimes. Studio concert by Dunedin Tramways Band under direction of Mr. Charles Morgan.
 March—The Band, "The Carabineer" (Greenwood).
 8.6 : Soprano—Miss D. Drake, "Hills of Donegal" (Sanderson).
 8.9 : Violin—Miss Eva Judd, "Romance in G" (Beethoven).
 8.14 : Recital—Miss Madge Yates, (a) "Spanish Waters" (Masfield), (b) "Solitude" (Munro).
 8.20 : Waltz—The Band, "Casino Tanze" (Gung'l).
 8.29 : Baritone—Mr. Edward Bond, "The Glory of the Sea" (Sanderson).
 8.32 : Novelty—Continental Novelty Quintet, "Sunlight" (Regal G20432).
 8.36 : Selection—The Band, "American Beauties" (Greenwood).
 8.46 : Contralto—Miss Betty Hamilton, (a) "Bird of Love Divine" (Wood), (b) "Page's Song" (Mozart).
 8.52 : Trombone—The Band, "The Victory" (White).
 8.59 : Tenor—Mr. J. B. Hamilton, "You in a Gondola" (Clarke).
 9.2 : Weather report.
 9.10 : Soprano—Miss D. Drake, (a) "Fortune-Hunter" (Willeby), (b) "O My Garden Full of Roses" (Clarke).
 9.15 : Violin—Miss Eva Judd, (a) "Humoresque" (Tchaikowsky), (b) "The Old Refrain" (Kreisler).
 9.21 : Recital—Miss Madge Yates, "Christ in Flanders" (Whituel).
 9.24 : Concert piece—The Band, "Heimliche Liebe" (Resch).
 Foxtrot—The Band, "The Lone Girl Flyer" (O'Hagan).
 9.35 : Baritone—Mr. Edward Bond, (a) "Bells of the Sea" (Solman), (b) "Time to Go" (Sanderson).
 9.41 : Novelty—Continental Novelty Quintet, "On Board" (Regal G20432).
 9.45 : March—The Band, "Langland Bay" (May).
 9.50 : Contralto—Miss Betty Hamilton, "If My Songs Were Only Winged."
 9.53 : Cornet and euphonium duet—The Band, "Oh, Maritana" (Wallace).
 9.58 : Tenor—Mr. J. B. Hamilton, (a) "Dolorosa" (Phillips), (b) "Sally Horner."
 10.2 : March—The Band, "Fearless Footsteps" (Rimmer).
 10.7 : God save the King.

Wednesday, September 24

1YA, AUCKLAND (900 KILOCYCLES).—WEDNESDAY, SEPTEMBER 24.

- 12.30 : Relay—Community Singing from Auckland Town Hall.
 1.30 : Close down.
 3.0 p.m. : Afternoon session.—Selected studio items, including Literary Selection by the Announcer.
 4.30 : Close down.
 5.0 : Children's Session.—Conducted by "Uncle Tom."
 6.0 : Dinner Session, "H.M.V." Hour.
 Instrumental.—Reg. King's Orchestra, "Garden in the Rain" (Gibbons).
 Instrumental.—Reg. King's Orchestra, "The Song I Love" (De Sylva).
 Waltz.—International Concert Orchestra, "Gold and Silver" (Lehar).
 Instrumental.—Victor Olof Sextet, "Cherry Ripe" (Scott), B2697.
 6.12 : Tacet.
 6.15 : Waltz.—International Concert Orchestra, "La Spagnola" (Di Chiara).
 Orchestral.—Victor Concert Orch., "Romance" (Tchaikowsky).
 Violin.—Isidore Menges, "Saint D'Amour" (Elgar). D1313.
 6.26 : Tacet.
 6.30 : Instrumental.—Piccadilly Orchestra, "Friend o' Mine" (Sanderson).
 "None but the Weary Heart" (Tchaikowsky). B2857.
 Orchestra and grand organ.—International Concert Orchestra, "My Treasure" (Becucci). Zono. EF15.
 Instrumental.—Victor Olof Sextet, "Minuet" (Boccherini) (B2697).
 6.42 : Tacet.
 6.45 : Instrumental.—Jack Hylton and Orchestra, "Melodious Memories."
 Waltz.—International Novelty Orchestra, "Emperor" (Strauss).
 6.57 : Tacet.
 7.0 : News and Market Reports.
 7.40 : Talk.—Mr. Norman Kerr, Physical Culture.
 8.0 : Chimes.
 Overture.—Vienna Philharmonic Orchestra, "Dorfschwalben."
 8.4 : Part Songs.—1YA Broadcasting Choir, under the conductorship of Mr. Len Barnes: (a) "Awake" (from "May Queen"), (Sterndale-Bennett); (b) "Hark! Their Notes the Hautboys Swell" (from "May Queen"), (Sterndale-Bennett).
 8.16 : Instrumental.—Studio Trio: (a) "Hearts and Flowers" (Tobani); (b) "A Perfect Day" (Jacobs-Bond).
 8.26 : Baritone.—Mr. ack Dickie: (a) "Sallie Horner" (no composer); (b) "Arrow and the Song" (Balfé).
 8.33 : Piano.—Mr. Cyril Towsey, "Nocturne and March of Dwarfs" (Grieg).
 8.40 : Part song.—1YA Broadcasting Choir, "The Sea Hath Its Pearls" (Pin-suti).
 8.44 : Instrumental.—Studio Trio, "Song Without Words, Op. 38, No. 6" (Mendelssohn—arr. Sawyer).
 8.51 : Choruses.—1YA Broadcasting Choir, "Community Singing."
 9.6 : Evening weather forecast and announcements.
 9.8 : Band.—Royal Air Force, "Gondolier Nightingale" (Langey).
 9.12 : Choruses.—1YA Broadcasting Choir, "Community Singing."
 9.27 : Violin.—Mr. J. Whitford Waugh, "Gondolier" (David).
 9.32 : Part songs.—1YA Broadcasting Choir: (a) "Drink To Me Only" (Heath); (b) "Just a Wee Deoch and Doris" (Heath).
 9.38 : Soprano.—Miss Chrissie Foster: (a) "Bird of Love Divine" (Wood); (b) "When Love Fills Your Heart" (Russell).
 9.45 : Instrumental.—Studio Trio: (a) "The Dove" (an old Welsh air), (Redman); (b) "Chant Sans Paroles" (Tchaikowsky).

- 9.55 : Male Voices.—1YA Broadcasting Choir: (a) "Farewell" (Silcher); Part Song (b) "Juanita" (Spanish ballad).
 10.2 : Band.—National Military Band, "Liberty Bell March" (Souza).
 10.5 : "God Save the King."

2YA, WELLINGTON (720 KILOC'S.).—WEDNESDAY, SEPTEMBER 24.

SILENT DAY.

3YA, CHRISTCHURCH (980 KILOC'S.).—WEDNESDAY, SEPTEMBER 24.

- 3.0 p.m. : Afternoon Session—Gramophone Recital.
 4.25 : Sports results.
 4.30 : Close down.
 5.0 : Children's Hour.—"Uncle John."
 6.0 : Dinner Session.—"Parlophone" Hour.
 Selection.—Edith Lorand Orchestra, "La Boheme" (Puccini).
 Waltz.—Edith Lorand Orchestra, "La L'Serenade" (Mietra). E10522.
 Violin.—Tossy Spiwakowsky, "Turkish March" (Beethoven). A2561.
 6.12 : Tacet.
 6.15 : Waltz.—Edith Lorand Orchestra, "Venetian Barcarolle."
 Trio.—Dajos Bela Trio, (a) "Traumerei" (Schumann); (b) "Chant d'Automne" (Tchaikowsky). E10573.
 'Cello.—Gregor Piatigorsky, "The Swan" (Saint Saens). A2628.
 6.28 : Tacet.
 6.30 : Edith Lorand Orchestra, (a) "Minuet" (Boccherini), A4108; (b) "Toreador and Andalous" (Rubenstein). A4108.
 Waltz.—Royal Music Makers, (a) "Kiss Me Again" (Herbert); (b) "Ah, Sweet Mystery of Life" (Herbert). A2722.
 6.44 : Tacet.
 7.0 : News Session.
 7.30 : Addington Stock Market Reports.
 8.0 : Chimes. Operatic and miscellaneous programme. Overture.—Classical Symphony Orchestra, "I Pagliacci" Selection (Leoncavallo—arr. Godfrey). Regal G30007.
 8.9 : Quartet.—Salon Quartet, "Now is the Month" (T. Morley). 1595.
 Baritone.—Mr. J. G. Young, "Il Balen" (Verdi).
 8.16 : Quartet.—Musical Art Quartet, "Deep River" (arr. Held). 01625.
 8.19 : Soprano.—Miss Corrie Aslin, "Porgi Amor" (Mozart).
 8.22 : Instrumental.—Studio Octet (conductor: Mr. Harold Beck). Three Dances from Nell Gwynn (German): (a) Country Dance, (b) Pastoral Dance, (c) Merry-makers' Dance.
 8.32 : Contralto and Baritone.—Salona Duo, "Back to the Heather" from "Blue Eyes" (Jerome Kern).
 8.35 : 'Cello.—W. H. Squire, "Silver Threads Among the Gold" (Danks-Squire). Col. 04178.
 8.38 : Contralto.—Miss Dulcie Mitchell, "That It Were So" (Frank Bridge).
 8.41 : Quartet.—Musical Art Quartet, "Serenade" (Herbert). Col. 01625.
 8.44 : Tenor.—Mr. H. Blakeley, "There is a Flower that Bloometh" from "Maritana" (Wallace).
 8.48 : Instrumental.—Studio Octet, "Grand Opera Selection" from "La Boheme" (Puccini).
 8.57 : Chorus.—Nespoulos-Guenot and chorus, "Carmen," "In the Square."
 9.0 : Weather Report and Station Notices.
 9.3 : Band.—Garde Republicaine of France, "The Two Pigeons Scene and March" (Messenger). Col. 02924.
 9.7 : Baritone.—Mr. J. G. Young, "The Lute Player" (Allitsen).
 9.14 : Soprano and tenor.—Salon Duo, "The Keys of Heaven" (Broadwood).
 9.17 : Instrumental.—Studio Octet, (a) "Largo" (Handel); (b) "Pavane" from "Etienne Marcel" (St. Saens).
 9.26 : Contralto.—Miss Dulcie Mitchell, (a) "Morning Hymn" (Henschell); (b) "Lullaby" (Granville Bantock).
 9.29 : 'Cello.—W. H. Squire, "Melody in F" (Rubinstein). Col. 04178.
 9.33 : Tenor.—Mr. H. Blakeley, "An Evening Song" (Blumenthal).
 9.37 : Instrumental.—Studio Octet, "Five Interludes" from "The Beggar-Opera" (Austin).
 9.43 : Soprano.—Miss Corrie Aslin, (a) "Love Has Eyes" (Bishop); (b) "It Was a Lover and His Lass" (Morley).
 Quartet.—Salon Quartet, "Duncan Gray" (Scottish air—arr. Allan Macbeth).
 9.52 : Instrumental.—Studio Octet, "Reminiscences of Grieg" (Arr. Godfrey).
 "God Save the King."

4YA, DUNEDIN (650 KILOCYCLES).—WEDNESDAY, SEPTEMBER 24.

- 3.0 : Chimes. Selected gramophone items.
 3.15 : Talk—"Home Economics," by Professor A. G. Strong, head of the Home Science Extension Department of Otago University.
 4.25 : Sports results.
 4.30 : Close down.
 5.0 : Chimes. Children's hour, conducted by Big Brother Bill.
 6.0 : Dinner session, "H.M.V." hour.
 Selection.—Kaufman's Orchestra, "The Gipsy Baron" (Strauss).
 Waltz.—La Vittoria Orchestra, "Wedding of the Winds" (Hall).
 6.12 : Tacet.
 6.15 : Orchestral—Piccadilly Orchestra, "If Only I Had You" (Davies); "Lolita" (Ferrete) (B7213).
 Hawaiian—Kolomoku's Honoluluans, "Alona Oe" (Liliuokalani).
 Orchestral—Piccadilly Orchestra, "Charmaine" (Rapee) (B2528).
 6.27 : Tacet.
 6.30 : Selection—New Mayfair Orchestra, "This Year of Grace" (Coward).
 Orchestral—Waring's Orchestra, "Ah! Sweet Mystery of Life."
 Hawaiian—Kolomoku's Honoluluans, "Three O'clock in the Morning."

- 6.42: Tacet.
 6.45: **Orchestral**—Victor Concert Orchestra, "Minuet in G" (Paderewski) (EA240); "Amaryllis" (Thys) (EA240).
Orchestral—Piccadilly Orchestra, "Bird Songs at Eventide" (Coates).
Waltz—International Concert Orchestra, "Blue Danube" (Strauss).
 6.57: Tacet.
 7.0: News session.
 7.15: **Talk**—Mr. E. S. Green, under auspices of 4YA Primary Productions Committee, "Elementary Agriculture in Schools."

8.0: Chimes.

Relay from Concert Chamber, Town Hall, of Special Concert, under auspices of Otago Society of Professional Musicians, assisted by Miss Meda Paine's Ladies' Choir, Miss Maude White's Ladies' Choir, Mr. Leech's Lyric Choir, and Dunedin Training College Choir.

ASSISTING ARTISTES:

Mr. Ernest Drake Tenor
 Mr. G. W. Johnson Baritone
 Miss Mary Fraser Piano
 Miss Koa Oliver Piano
 Messrs. Max Scherek, J. A. Wallace, and P. J. Palmer
 Instrumental Trio

10.0: Dance programme, "Columbia."

- Foxtrot**—Broadway Nitelites, "You're the Cream in My Coffee."
Foxtrot—Denza Dance Band, "A Lane in Spain" (Lewis, Lombardo).
Foxtrot—Benson All-Star Orchestra, "To Know You is to Love You."
Foxtrot—The Piccadilly Players, "The Five O'clock Girl" (Happy Go Lucky Bird) (Kalmár and Ruby) (01492).
Vocal—Will Fyffe, "She Was the Belle of the Ball" (Will Fyffe).
 9.45: **Foxtrot**—The Piccadilly Players, "The Five O'clock Girl" (Who Did? You Did) (Kalmár and Ruby) (01492).
Foxtrot—Rhythmic Troubadours, vocal refrain, "Revolutionary Rhythm" (Davis, Coots, Spier) (G20600).
Foxtrot—Ipana Troubadours, "'S Wonderful" (Gershwin) (01306).
Foxtrot—Ipana Troubadours, "I'll Get By" (As Long as I Have You) (Turk, Ahlert) (01647).
Foxtrot—Debroy Somers Band, "Without You Sweetheart" (De Sylva).
Foxtrot—Paul Specht and Orchestra, "Hittin' the Ceiling."
 10.3: **Vocal**—Charles Lawman and Novelty Accompaniment, "Oh! Sweetheart, Where Are You To-night?" (Davis and Coots).
Foxtrot—Rudy Vallee, "Outside" (Flynn) (Regal G20570).
Foxtrot—Denza Dance Band, "One Summer Night" (Coslow and Spier).
Foxtrot—Swain's Cafe Royal Band, "It Goes Like This, That Funny Melody" (Caesar, Friend) (Regal G20570).
 10.15: **Waltz**—Selvin's Orchestra, "Ramona" (Wayne, Gilbert) (01137).
Foxtrot—Bernie's Orchestra, "I Want to Meander in the Meadow."
Foxtrot—Midnight Revellers, "The Moonlight March" (Newman, Lombardo) (Regal G20522).
Foxtrot—Bernie's Orchestra, "Where the Bab-bab-Babbling Brook."
Foxtrot—Paul Specht and Orchestra, vocal refrain, "Sing a Little Love Song" (Gottler, Mitchell and Conrad) (01629).
 10.30: **Vocal**—Charles Lawman and Novelty Accompaniment, "When We Get Together in the Moonlight" (Rose, Ryan) (Regal G20562).
Waltz—The Cavaliers, "Sleepy Valley" (Hanley, Sterling) (01688).
Foxtrot—Lombardo's Royal Canadians, "You Made Me Love You."
Foxtrot—Rhythmic Troubadours and vocal refrain, "When the Real Thing Comes Your Way" (Spier and Coslow) (Regal G20600).
Foxtrot—Lombardo's Royal Canadians, "You Belong to Me, I Belong to You" (Lombardo, Newman) (01690).
Foxtrot—Midnight Revellers, "Sweetheart's Holiday" (Robinson, Kahal).
 10.48: **Waltz**—The Cavaliers, "Recollections" (Rapee, Pollack) (01688).
Waltz—Swain's Band, "Sleep Baby, Sleep" (Tucker and Schuster).
Foxtrot—Selvin's Orchestra, "In My Bouquet of Memories."
Waltz—Swain's Band, "Heigh Ho! Everybody Heigh Ho!"
 11.0: God save the King.

Octet—J. H. Squire's Celeste Octet, "Serenade" (Titl) (9116).

Orchestral—Paul Whiteman and His Orchestra, "Liebestraume."

- 6.56: Tacet.
 7.0: News and market reports.
 8.0: Chimes. **Overture**—Orpheus Musical Club, (a) "Old Comrades" (Teike), (b) "Morning, Noon, and Night" (Suppe).
 8.15: Bass-baritone—Mr. Frank Sutherland, "The Deathless Army."
 8.19: Cornet—Mr. R. Davies, "I'll Sing Thee Songs of Araby" (Clay).
Intermezzo—Orpheus Musical Club, "In a Persian Market" (Ketelbey).
 8.30: Novelty entertainment—The Asquiths, "Twenty-minute Drawing-room Entertainment."
 8.50: Selection—Orpheus Musical Club, "The Desert Song" (Romberg).
 9.0: Evening weather forecast and announcements.
 9.2: Bass-baritone—Mr. Frank Sutherland, "The Trumpeter" (Dix).
 9.6: Characteristic sketch—Orpheus Musical Club, (a) "Down South." Duet—Flute and clarinet, Messrs. W. Henderson and P. W. Eastoe, (b) "Lo, Here the Gentle Lark" (Bishop).
 9.17: Bass-baritone—Mr. Frank Sutherland, "My Old Shako" (Trotter).
 9.21: **Overture**—Orpheus Musical Club, (a) "Slavonic Rhapsody" (Friedemann), (b) "The Gladiator's Farewell" (Blankenburg).
 9.33: Dance programme, "H.M.V.":
Foxtrot—Vallee's Connecticut Yankees, "Heigh Ho! Everybody Heigh Ho!" (Woods) (EA614).
Foxtrot—Shilkret's Orchestra, "Hittin' the Ceiling" (Gottler) (B5662).
Foxtrot—Weems's Orchestra, "Good Morning, Good Evening, Good Night" (Lewis) (EA615).
Foxtrot—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 and Carlton) (B3000).
Foxtrot—Vallee's Connecticut Yankees, "S'posin'" (Razaf) (EA582).
Foxtrot—Arnheim's Orchestra, "Lovable and Sweet" (Clare) (EA608).
Foxtrot—Olsen's Orchestra, "Out Where the Moonbeams are Born."
Foxtrot—Reisman's Orchestra, "When You Come to the End of the Day" (Westphal) (EA581).
 9.57: **Piano duet**—Arden-Ohman, "Ragamuffin" (Greer) (EE166).
Foxtrot—Shilkret's Orchestra, "Junior" (Donaldson) (EA599).
Foxtrot—Waring's Pennsylvanians, "When My Dreams Come True."
Foxtrot—Reisman's Orchestra, "Gay Love" (Clarke) (EA625).
Foxtrot—Waring's Pennsylvanians, "My Sin" (De Sylva) (EA592).
 10.12: **Humour**—Leonard Henry, "What did the Village Blacksmith Say?"
Foxtrot—Shilkret's Orchestra, "Used to You" (De Sylva) (EA587).
Foxtrot—All Star Orchestra, "My Dream Memory" (Clare) (EA608).
Foxtrot—Shilkret's Orchestra, "Why Can't You?" (De Sylva) (EA608).
Foxtrot—The Troubadours, "My Song of the Nile" (Bryan) (EA625).
Waltz—The Troubadours, "My Heart is Bluer Than Your Eyes."
 10.30: **Piano duet**—Victor Arden, Phil Ohman, "Dance of the Paper Dolls."
Foxtrot—Vallee's Connecticut Yankees, "Miss You" (Tobias) (EA614).
Foxtrot—Reisman's Orchestra, "Ain't Misbehavin'" (Razaf) (EA612).
Foxtrot—Vallee's Connecticut Yankees, "The One in the World."
 10.42: **Foxtrot**—George Olsen and His Music, "Reaching for Someone."
Vocal duet—Dora Maughan and Walter Fehl, "Eggs, Toast, and Coffee."
Foxtrot—Hylton's Orchestra, "You're the Cream in My Coffee."
Foxtrot—Vallee's Connecticut Yankees, "Every Moon's a Honeymoon."
Foxtrot—Hylton's Orchestra, "To Know You is to Love You" (B5650).
Waltz—Reisman's Orchestra, "Evangeline" (Rose) (EA615).
 11.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—THURSDAY, SEPTEMBER 25.

- 3.0: Chimes. Selected studio items.
 3.15: **Lecturette**—"Hot Puddings and Pies," Miss I. F. Meadows; home science talk prepared by the Home Science Extension Service, Otago University.
 3.25: Selected studio items.
 3.30 and 4.30: Sporting summary.
 4.55: Close down.
 5.0: Children's session, conducted by "Uncle George."
 6.0: Dinner music session, "Columbia" Hour:
Orchestral—Finck's Orchestra, "Gaiety Echoes" (Caryll-Monckton).
Orchestral—Sandler's Orchestra, "Las Lagarteranas" (01634).
Violin—Lipschultz, "La Golondrina" (Sorraddell) (Regal G20489).
 6.12: Tacet.
 6.15: **Instrumental**—Squire's Celeste Octet, "Everybody's Melodies" (02896).
Organ—John Hassel, "By the Waters of Minnetonka" (Lieurance).
Orchestral—Sandler's Orchestra, "Raphaellito" (Guerrero and Foulkes).
 6.28: Tacet.
 6.30: **Orchestral**—Regal Cinema Orchestra, "Broadway Selection" (Gottler).
Violin—Lipschultz, "Estrellita" (Ludlow) (Regal G20489).
Orchestral—Romani and Italian Orchestra, "Old Comrades March."
 6.43: Tacet.
 6.45: **Orchestral**—Berlin State Orchestra, "Die Fledermaus" (Strauss).
Orchestral—Nullo Romani's Orchestra, "Canto Al Inverno" (Regal).
Orchestral—Russian Novelty Orchestra, "Tesoro Mio" (Becucci).
 6.58: Tacet.
 7.0: News session, market reports and sports results.
 8.0: Chimes. Studio concert by the Wellington Artillery Band (Conductor, Captain T. Herd) and 2YA artists.
Fantasia—The Band, "Memories of Britain" (arr. Rimmer).
 8.13: **Quartet**—The Lyric, "Calm is the Sea" (Pfeil).
 8.17: **Tenor**—Mr. Charles Williams, "Minnilied" (Brahms).
 8.21: **Highland patrol**—The Band, "Wee Macgregor" (Amers).

Thursday, September 25

1YA, AUCKLAND (900 KILOCYCLES)—THURSDAY, SEPTEMBER 25.

- 3.0: Afternoon session—Selected studio items.
 3.15: Home science, "Hot Puddings and Pies," talk prepared by the Home Science Extension Service, Otago University.
 4.30: Close down.
 5.0: Children's session, conducted by "Peter Pan."
 6.0: Dinner session, "Columbia" Hour:
Instrumental—Ketelbey's Concert Orchestra, "In a Persian Market."
Violin—Efrem Zimbalist, "Liebeslied" (Old Vienna Waltz) (Kreisler).
 6.12: Tacet.
 6.15: **Morceau**—Plaza Theatre Orchestra, "The Busy Bee" (Bendix).
Dance—Plaza Theatre Orchestra, "My Lady Dainty" (Hesse) (01438).
Octet—J. H. Squire's Celeste Octet, "La Serenata" (Braga) (9116).
Cinema organ—G. T. Pattman, "Firefly" (Nicholls) (01348).
 6.27: Tacet.
 6.30: **Orchestral**—Paul Whiteman and His Orchestra, "Song of India."
Waltz—New Concert Orchestra, "Hydropaten" (Gungl) (02672).
Violin—Efrem Zimbalist, "Zapateado" (Sarasate) (04221).
 6.42: Tacet.
 6.45: **Waltz**—New Concert Orchestra, "Jolly Fellows" (Bruder) (02672).

- 8.25: Elocution—Mr. Hedley Aitken, "A Backwood Penance" (Clarke).
 8.31: Novelty—Balalaika Orchestra, "Shining Moon" (traditional) (H.M.V.).
 8.34: Soprano—Mrs. H. Dawson, "The Pipes of Pan" (Monckton).
 8.38: Humoresque—The Band, "A Trip to Blackpool" (Raymond).
 8.47: Baritone—Mr. Will Goudie, "Annie Laurie" (traditional).
 8.51: Accordions—Fomeen Trio, "Oriental One-Step" (Fomeen) (H.M.V.).
 8.54: Quartet—The Lyric, "Evening" (Abt).
 8.58: Serenade—The Band, "A Rose of Granada" (Danzet).
 9.2: Weather report and announcements.
 9.4: Tenor—Mr. W. Roy Hill, a group of English folk songs (arr. Sharpe):
 (a) "Dabbling in the Dew," (b) "Strawberry Fair," (c) "The
 Tailor and the Mouse."
 9.11: Orchestral—Royal Opera Orchestra, "Berceuse" (Jarnfeldt) (H.M.V.).
 9.14: Bass—Mr. W. Binet Brown, "The Gallant Salamander" (Barnard).
 9.18: Selection—The Band, "William Tell" (Rossini).
 9.30: Humour—Mr. Hedley Aitken, "I Don't Want My Cigar to Go Out."
 9.36: Chorus—Light Opera Company, "Vocal Gems from 'Veronique.'"
 9.40: Waltz—The Band, "Juliana" (Raymond).
 9.46: Soprano—Mrs. H. Dawson, "Il Bacio" (Arditi).
 9.50: Violin—Jacques Thibaud, "La Fille aux Cheveux de Lin" (Debussy).
 9.53: Quartet—The Lyric, "Swing Along" (Cook).
 9.57: Foxtrot—The Band, "Gee Whizz" (Arroll).
 March—The Band, "The Conservator" (Nicholson).
 10.4: God save the King.

3YA, CHRISTCHURCH (980 KILOCYCLES)—THURSDAY, SEPT. 25.

- 3.0: Afternoon session—Gramophone recital.
 3.15: Home Science—"Hot Puddings and Pies." Talk prepared by the Home
 Science Extension Service, Otago University.
 4.30: Close down.
 5.0: Children's hour, "Ladybird and Uncle Frank."
 6.0: Dinner session, "Columbia" hour.
 Orchestral—Squire's Celeste Octet, "Peter Pan Selection" (Crook).
 'Cello—Gaspar Cassado, "Chanson Villageois" (Popper) (03595).
 Orchestral—Columbia Symphony Orchestra, "Scarf Dance."
 6.13: Tacet.
 6.15: Orchestral—Debroy Somers Band, "The Desert Song" (Romberg).
 'Cello—Gaspar Cassado, "Menuett" (Haydn, arr. Burmester-Moffat).
 Male choir—Sheffield Orpheus Male Choir, "Hymn Before Action."
 6.28: Tacet.
 6.30: Orchestral—Halle Orchestra, "Rosamunde Ballet Music" (Schubert).
 1—Andantino; 2—Allegro Moderato; 3—Andante un poco assai.
 Instrumental—Bournemouth Municipal Orchestra, "Idylle Bretonne."
 6.43: Tacet.
 6.45: Orchestral—Columbia Symphony Orchestra, "The Flatterer."
 Zurich Tonhalle Orchestra, "Gavotte" from "Idomeneo" (Mozart).
 Orchestral—Bournemouth Municipal Orchestra, "Fluttering Birds."
 Male choir—Sheffield Orpheus Male Choir, "The Long Day Closes."
 6.58: Tacet.
 7.0: News session.
 7.30: Lecture—Mr. A. J. Lukey, Stock Department, Department of Agriculture,
 "Diseases of the Udder in Cows." Arranged by 3YA Primary
 Productions Committee.
 8.0: Chimes. Classical and miscellaneous programme.
 Overture—National Symphony Orchestra, "Orpheus in Hades."
 8.9: Trio—Grand Opera Trio, "Memory" (Leslie).
 Contralto—Miss Alice Vinsen, "Slumber Song of the Madonna" (Head).
 8.15: Flute—Mr. W. Hay, "Chant du Soir" (Speelman).
 8.19: Tenor—Mr. Ernest Rogers, "Heavenly Aida" (Verdi).
 8.23: Instrumental—Studio Octet (Conductor, Mr. Harold Beck), "Fingal's
 Cave" (Mendelssohn).
 8.33: Contralto and bass—Grand Opera Duo, "O Wert Thou in the Cauld
 Blast" (Mendelssohn).
 8.36: Organ—Reg. Foort, "Love's Garden of Roses" (Haydn Wood).
 8.40: Soprano—Madame Gower Burns, "Naught to My Heart Can Bring
 Relief" (Dvorak).
 8.43: Violin—Jascha Heifetz, (a) "Jota" (de Falla); (b) "Puck."
 8.46: Bass—Mr. J. Filer, "The Harp that Once" (Traditional) (1700).
 8.50: Instrumental—Studio Octet, (a) "Intermezzo" (Gustav Holst); (b)
 "The Dargason" (Gustav Holst).
 9.0: Weather report and station notices.
 9.3: Band—H.M. Coldstream Guards, "Light Cavalry" (Suppe).
 9.7: Contralto—Miss Alice Vinsen, "The Glory of the Sea" (Sanderson).
 9.11: Instrumental—Studio Octet, "2nd Movement from 1st Symphony."
 9.17: Soprano—Madame Gower Burns, "The Snake Charmer" from "The
 Golden Threshold," with flute obligato by Mr. W. Hay (Lehmann).
 9.20: Organ—Reg. Foort, "Chanson" (Friml) (H.M.V. B2988).
 9.23: Tenor—Mr. Ernest Rogers, "La Serenata" (Tosti).
 9.26: Flute—Mr. W. Hay, "Serenade" (Leoncavallo).
 9.30: Soprano and tenor—Grand Opera Duo, "What a Glance" from "Car-
 men" (Bizet).
 9.34: Instrumental—Studio Octet, "Woodland Sketches" (Macdowell), (a)
 "To a Wild Rose"; (b) "Will o' the Wisp"; (c) "From an Indian
 Lodge"; (d) "To a Water Lily."
 9.42: Male quartet—Masters Lough and Mallett, Messrs Dixon and Hast-
 well, "Nursery Rhymes" (Walford-Davies) (H.M.V. B2770).
 9.46: Aria bass—Mr. J. Filer, "She Alone Charmeth My Sadness" (Gounod).
 9.50: Violin—Jascha Heifetz, "On Wings of Song" (Mendelssohn).
 9.54: Quartet—Grand Opera Quartet, "Fly Singing Bird, Fly" (Elgar).
 9.57: Instrumental—Studio Octet, "Henry VIII Dances" (German).
 God save the King.

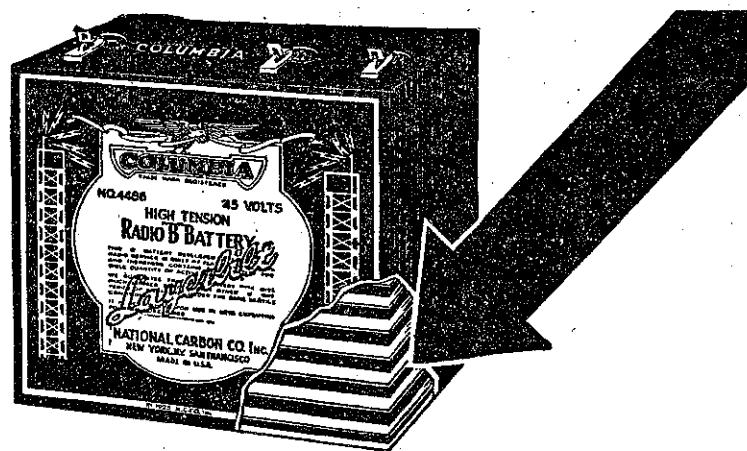
4YA, DUNEDIN (650 KILOCYCLES)—THURSDAY, SEPTEMBER 25.

SILENT DAY.

Friday, September 26

1YA, AUCKLAND (900 KILOCYCLES.)—FRIDAY, SEPTEMBER 26.

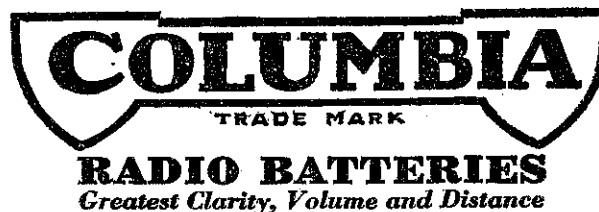
- 3.0 p.m.: Afternoon Session.—Selected studio items, including Literary Selec-
 tion by the Announcer.
 4.30: Close down.
 5.0: Children's Session, conducted by "Nod" and "Aunt Jean."
 6.0: Dinner Session, "Columbia" Hour.
 Selection.—B.B.C. Wireless Symphony Orchestra, "La Boutique Fan-
 tasque" (Respighi—arr. Carr). Regal G30018.
 'Cello.—W. H. Squire, "Humoresque" (Dunkler-Squire). 04192.
 6.12: Tacet.
 6.15: J. H. Squire's Celeste Octet, "Chant Sans Paroles" (Tchaikowsky).
 Suite.—Plaza Theatre Orchestra, "Gipsy Suite," 1 Valse, "Lonely
 Life; 2 Allegro, "The Dance" (German). 02537.
 6.27: Tacet.
 6.30: Suite.—Plaza Theatre Orchestra, "Gipsy Suite," 1 Menuetto, "Love
 Duet; 2 Tarantelle, "The Revel" (German). 02538.
 Madrid Symphony Orchestra, "Dance of the Neighbours" (De Falla).



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- 6.42: Tacet.
 6.45: Venetian Players' String Quintet, (a) "Romanza" (Mozart); (b) "Allegro" (Mozart). Regal G20467.
 Pianoforte.—Ignaz Friedman, "Romance in E Flat" (Rubinstein).
 Basle Symphony Orchestra, "Rosamunde Entr'acte No. 2" (Schubert).
 6.57: Tacet.
 7.0: News and market reports.
 7.40: Talk.—Mr. B. S. Jones: "How to get the best out of your receiver."
 8.0: Chimes.
 Overture.—Berlin State Opera House Orchestra, "Stradella."
 8.9: Vocal Quartet.—The New Clarion Quartet, "The Cornfield Medley." (Arr. Clarions).
 Bass.—Mr. Duncan Black, "My Son" (Bennett).
 8.17: Instrumental.—Studio Trio, "Andante from Symphony Pathétique" (Tschaiakowsky).
 8.24: Elocution.—Miss Maisie Carte-Lloyd, "La Bella Paquita" (Anon).
 8.28: Clarinet.—Mr. S. C. Lewis, "Luisa di Montfort" (Bergson).
 8.32: Vocal duet.—Miss Lilian Woods and Mr. Lambert Harvey, "The Garden of Your Heart" (Doret).
 8.36: Instrumental.—Studio Trio, "Spring's Awakening" (Bach).
 8.41: Contralto.—Miss Beryl Smith, "You" (Hamblen).
 8.45: Organ and trumpet, Paul Mania, "Vision de Jeanne d'Arc" (Gounod).
 8.49: Vocal Quartet.—The New Clarion Quartet, "Italia de Lingo" (Cecil).
 8.53: Violin.—Mr. J. Whitford Waugh, "Am-Meer" (Schubert—arr. Wilhelm).
 8.59: Evening weather forecast and announcements.
 9.1: Orchestral.—Dajos Bela Orchestra, "Pique Dame" (Tschaiakowsky).
 9.9: Tenor.—Mr. Lambert Harvey, "Edward Gray" (Sullivan).
 9.13: Elocution.—Miss Maisie Carte-Lloyd, (a) "A Domestic Misfortune" (Westcombe); (b) "The Kiss" (Anon).
 9.20: Clarinet.—Mr. S. C. Lewis, (a) "Les Huguenots" (Meyerbeer); (b) "William Tell" (Rossini).
 9.27: Vocal duet.—Mr. Duncan Black and Miss Beryl Smith, "Turn Ye To Me" (Old Scottish).
 9.31: Instrumental.—Studio Trio, (a) "Wood Nymph" (Lind); (b) "Chant d'Amour" (Zargycki).
 9.39: Soprano.—Miss Lilian Woods, "Pale Moon" (Logan).
 9.43: Instrumental.—Studio Trio, "Waltz from Serenade for String Orchestra" (Tschaiakowsky—arr. Borch).
 9.47: Vocal Quartet.—The New Clarion Quartet, "The Long Day Closes" (Sullivan).
 9.52: Fantasia.—Edith Lorand Orchestra, "Norma" (Bellini).
 10.0: "God Save the King."

2YA, WELLINGTON (720 KILOCYCLES)—FRIDAY, SEPTEMBER 26.

- 3 p.m.: Chimes. Afternoon session. Selected studio items.
 3.30 and 4.30: Sporting results to hand.
 4.55: Close down.
 5.0: Children's Session, conducted by "Big Brother Jack."
 6.0: Dinner music, "Columbia" Hour.
 Orchestra.—Orchestres Symphonique de Paris, "L'Arlesienne Suite" (Bizet): 1. Prelude; 2. Entr'acte—Pastorale, L'Etang de Vaccars; 3. Choeurs—Suivant la Pastorale. 01324/5.
 6.12: Tacet.
 6.15: Selection.—Columbia Symphony Orchestra, "Faust" (Gounod).
 Violin.—Toscha Seidel, "Chanson Arabe" (Rimsky-Korsakov).
 6.27: Tacet.
 6.30: Orchestral.—Orchestre Symphonique de Paris, "L'Arlesienne": 1. La Cuisine de Castelet; 2. Minuetto; 3. Le Carillon; 4. Adagietto.
 6.42: Tacet.
 6.45: Orchestral.—Orchestre Symphonique de Paris, "Farandole," from "L'Arlesienne" (Bizet). 01323.
 Band.—Band Garde Republicaine de France, "Carmen Entr'acte."
 6.56: Tacet.
 7.0: News Session, Market Reports and Sports Results.
 8.0: Chimes. A programme of Gems from Opera and Musical Comedy by the Etude Quartet and the 2YA Orchestrina.
 During the course of this programme there will be a relay of a Sound Film Feature from the Majestic Theatre.
 Overture.—2YA Orchestrina (conductor: Signor A. F. Truda), "Merrie England" (German).
 Soprano.—Miss Gretta Stark, "The Flower Song," from "Faust" (Gounod).
 Piano.—Miss Dulcie Reeve, "The Lark" (Glinka-Belakireff).
 Duet.—Chorus and Etude Quartet, Mrs. Ray Kemp and Mr. Will Hancock, "So Long Letty" (Carroll).
 Selection.—2YA Orchestrina, "Faust" (Gounod).
 Elocution.—Mr. Doug. Edwards, "The Soul of the Violin" (Merrill).
 Baritone.—Mr. Ray Kemp, "On a January Morning," from "Tom Jones" (German).
 Orchestra.—Zurich, Tonhalle Orchestra, "Gavotte from Idomeneo."
 Tenor.—Mr. Will Hancock, (a) "Love, Love," from "The Geisha" (Jones).
 Vocal Trio.—Miss Gretta Stark, Mr. and Mrs. Ray Kemp, (b) "Over The Wall of My Garden" (Charles).
 Selection.—2YA Orchestrina, "The Geisha" (Jones).
 Weather report and announcements.
 Orchestral.—Johann Strauss Symphony Orchestra, "When the Lemons Bloom" (Strauss). Col. 02529.
 Duet.—Miss Gretta Stark and Mr. Ray Kemp, "The Rose of Love," from "Rose Maiden" (Cowan).
 Humour.—Mr. Doug. Edwards, "The Grass Widower" (Thomas).

- Selection.—2YA Orchestrina, "The Maid of the East" (Neale).
 Chorus.—Columbia Light Opera Company, "Lionel Monckton Memories" (Monckton). Col. 05038.
 Contralto.—Mrs. Ray Kemp, "O Where the Deer do Lie," from "Merrie England" (German).
 Cello.—W. H. Squire, "Spinning Wheel" (Dunkler). Col. 03611.
 Quartet.—The Etude, "Back to Somersetshire," from "Tom Jones" (German).
 Selection.—2YA Orchestrina, Three Dances from "Tom Jones."
 "God Save the King."

3YA, CHRISTCHURCH (980 KILOCYCLES)—FRIDAY, SEPTEMBER 26.

- 3.0: Afternoon session gramophone recital.
 4.25: Sports results.
 4.30: Close down.
 5.0: Children's hour, conducted by Peterkin.
 6.0: Dinner session—"H.M.V." Hour.
 Light Orchestral.—Marek Weber and Orchestra, "Lehariana."
 Cello.—Cedric Sharpe, "Air" (Pergolesi) (B3040).
 Band.—Coldstream Guards, "Wedding of the Rose" (Jessel) (B3064).
 6.14: Tacet.
 6.15: Orchestral.—Vienna Philharmonic Orchestra, "Morning, Noon and Night in Vienna" (Suppe) (C1667).
 Light Orchestra, New Mayfair Orchestra, "Five O'Clock Girl" (Ruby).
 6.27: Tacet.
 6.30: Orchestral.—New Mayfair Orchestra, "Love Lies" (de Sylva) (C1658).
 Cello.—Cedric Sharpe, "Twilight" (Friml) (B3040).
 Organ.—Herbert Dawson, "Evensong" (Easthope Martin) (B2263).
 Band.—H.M. Coldstream Guards, "Hobomoko Intermezzo" (Reeves).
 6.44: Tacet.
 6.45: Trio.—De Groot (violin), A. Gibilaro (piano), J. Pacey (cello) "O Sole Mio" (Di Capua) (B2588).
 Organ.—Herbert Dawson, "Idylle" (Edward Elgar) (B2263).
 Orchestral.—Berlin State Opera Orchestra, "German Dances."
 6.57: Tacet.
 7.0: News session.
 8.0: Chimes. Popular and Dance Programme. Overture.—Century Progress Band, "The Jolly Coppersmith" (Peters) (Brunswick 4686).
 8.4: Mezzo-soprano.—Mrs. Grace Empson, (a) "Love is a Dream" (Pitt); (b) "Boat Song" (Ware).
 8.10: Clarinet.—Mr. E. Withers, "Scene Et Aria" from "Louise de Montfort" (Bergson).
 8.15: Humour.—Mr. J. P. Darragh, "Tale of Little Shakum" (M.S.).
 8.20: Cornet.—Mr. N. G. Goffin, (a) "When the Swallows Homeward Fly" (Abt.); (b) "Molly Bawn" (Glover).
 8.27: Bass.—Mr. Leslie Fleming, "Route Marchin'" (Stock).
 8.31: Piano medley.—Mr. Les Grummitt, "Medley on Popular Airs" (M.S.).
 8.36: Tenor.—Mr. David McGill, (a) "Heart of Gold" (Manney); (b) "That's How the World was Made" (Nicholls).
 8.42: Concertina.—Mr. John Campbell, (a) "Lights Out" March (Ellison); (b) "Savoy American" Medley (Debroy Somers).
 Concertina and Ocarino, "La Paloma" (Yradier).
 8.50: Mezzo-soprano.—Mrs. Grace Empson, "Homing" (Del Riego).
 8.53: Clarinet.—Mr. M. E. Withers, "Concertino" (Guilddaud).
 8.58: Recitation.—Mr. J. P. Darragh, "The Triple Toast" (M.S.).
 9.0: Weather report and station notices.
 9.5: Cornet.—Mr. N. G. Goffin, "Stars in a Velvety Sky" (Clarke).
 9.10: Bass.—Mr. Leslie Fleming, (a) "Stone Cracker John" (Coates); (b) "Gae Bring To Me a Pink o' Wine" (traditional).
 9.15: Piano.—Mr. Les Grummitt, "Improvisations on Popular Melodies."
 9.20: Tenor.—Mr. David McGill, (a) "Roses of Forgiveness" (D'Hardelot); (b) "The Sweetest Flower That Blows" (Hawley).
 9.26: Concertina and Ocarino.—Mr. John Campbell, Concertina, (a) "Repas" Band March (Sweeley); (b) "Josie and Me" Foxtrot (O'Hagen); (c) "Sleepy Hawaii" Waltz (Johnston); Ocarino, "The Melody of Love" (Waltz) (Donaldson).
 9.30: Dance programme, "Brunswick."
 Foxtrot.—Tom Clines and His Music, "Miss Wonderful."
 Foxtrot.—Roger Wolf Kahn and His Orchestra, "Cooking Breakfast For The One I Love" (Rose-Tobias) (4699).
 Foxtrot.—Tom Clines and His Music, "Somebody Mighty Like You."
 Foxtrot.—Herbert Gordon and His Hotel Ten Eyck Whispering Orchestra, "You Can't Believe My Eyes" (Bryan-Meyer) (4585).
 Foxtrot.—Abe Lyman and His California Orchestra, "The Rogue Song" (Grey-Stathart) (4696).
 9.45: Vocal.—Dick Robertson, "Singin' in the Bathtub."
 Foxtrot.—Herbert Gordon and His Hotel Ten Eyck Whispering Orchestra, "If I Can't Have You" (Bryan-Meyer) (4585).
 Foxtrot.—Isham Jones' Orchestra, "Nina Rosa" (Caesar-Romberg).
 Foxtrot.—Abe Lyman and His California Orchestra, "When I'm Looking at You" (Grey-Stathart) (4696).
 Waltz.—Isham Jones' Orchestra, "Your Smiles, Your Tears."
 10.0: Foxtrot.—Jack Denny and His Mount Royal Hotel Orchestra, "A Night of Happiness" (Conrad-Mitchell-Gottler) (4698).
 Foxtrot.—Jack Denny and His Mount Royal Hotel Orchestra, "Beside an Open Fireplace" (Denniker-Osborne) (4697).
 Foxtrot.—Jack Denny and His Mount Royal Hotel Orchestra, "Hangin' on the Garden Gate" (Kahn-Florito) (4698).
 Foxtrot.—Jack Denny and His Mount Royal Hotel Orchestra, "Just Can't Be Bothered With Me" (Kahn-Simons) (4697).

- 10.12: Vocal—Belle Baker, "I'm Walking With the Moonbeams."
 Foxtrot—Roger Wolfe Kahn and His Orchestra, "When a Woman Loves a Man" (Rose-Rainger) (4699).
 Foxtrot—Bob Haring and His Orchestra, "Do Ya' Love Me?"
 Waltz—Carter's Orchestra, "California Sunshine" (Ford-Earl).
 10.24: Foxtrot—Bob Haring and His Orchestra, "Where You Are."
 Foxtrot—Ben Bernie and His Orchestra, "West Wind."
 10.30: Foxtrot—The A and P Gypsies, "Gypsy Dream Rose."
 Foxtrot—Colonial Club Orchestra, "Why Do You Suppose."
 Foxtrot—Bob Haring and His Orchestra, "Under a Texas Moon."
 10.39: Vocal—Dick Robertson, "Lady Luck" (Perkins) (4592).
 Foxtrot—Colonial Club Orchestra, "My Man Is On The Make."
 Foxtrot—Ben Bernie and His Orchestra, "The One Girl" (Youmans).
 Waltz—Carter's Orchestra, "Old Virginia Moon."
 Foxtrot—Abe Lyman and His California Orchestra, "Lucky Me Loveable You" (Yellen-Ager) (4609).
 Foxtrot—Fred Hamm and His Orchestra, "We Love Us."
 Foxtrot—Abe Lyman and His California Orchestra, "Love Ain't Nothin' But The Blues" (Goodwin-Alter) (4609).
 11.0: God save the King.

4YA, DUNEDIN (650 KILOCYCLES)—FRIDAY, SEPTEMBER 26.

- 3.0: Chimes. Selected gramophone items.
 3.15: Talk—Miss Buccleugh, "Fashions."
 4.25: Sporting results.
 4.30: Close down.
 5.0: Chimes. Children's hour, conducted by Aunt Sheila.
 6.0: Dinner music—"Columbia" Hour.
 Overture—Basle Symphony Orchestra, "Der Freischutz" (Weber).
 6.12: Tacet.
 6.15: Instrumental—J. H. Squire's Celeste Octet, "The Grasshoppers' Dance" (Bucalossi); "The Butterfly" (Bendix) (02608).
 Musical Art Quartet, "To a Wild Rose" (MacDowell) (01506).
 Violin—Yvonne Curti, "Madrigale" (Simonetti) (62529).
 6.27: Tacet.
 6.30: Instrumental—J. H. Squire's Celeste Octet, (a) "I Love the Moon" (Rubens); (b) "Two Eyes of Grey" (McGeoch) (01213).
 Instrumental—J. H. Squire's Celeste Octet, (a) "Amoureuse" Valse (Berger); (b) "Valse Bleue" (Margis) (3643).
 6.42: Tacet.
 6.45: Instrumental—J. H. Squire's Celeste Octet, "Valse Caprice."
 Cello solo—W. H. Squire, "Sarabande" (Seitzer) (04233).
 Instrumental—J. H. Squire's Celeste Octet, "Perpetuum Mobile."
 6.57: Tacet.
 7.0: News session.
 8.0: Song Cycle by the Majors' Quartet, "Wind Flowers" (Somerville).
 Soprano Miss Freda Elmes
 Contralto Miss Gwenda Burt
 Tenor Mr. W. Harrison
 Baritone Mr. L. M. Cachemaille
 Quartet—The Majors, "Twist Me a Crown of Wind Flowers."
 Quartet—The Majors, "High Over the Breakers."
 Contralto—"The Wind has such a Rainy Sound."
 Quartet—The Majors, "Hope is Like a Harebell."
 Duet—"Two Doves on the Self-same Branch."
 Quartet—The Majors, "Music, When Soft Voices Die."
 Tenor solo and quartet—"When a Mounting Skylark Sings."
 Quartet—The Majors, "Going to Bed."
 Bass solo and quartet—"Finale."
 8.42: Philadelphia Symphony Orchestra, "First Movement from Brandenburg Concerto, No. 2 in F Major" (Bach) (H.M.V. D1708).
 8.50: Lecture—Mr. Max Scherek, President Otago Society of Musicians, "J. Sebastian Bach."
 8.59: Contralto—Miss G. Burt, "O, Trusting Heart" (Bach).
 9.3: Weather report.
 9.5: Piano and string orchestra—Max Scherek and Chamber Orchestra, "Concerto in D Minor" (Bach).
 9.26: Baritone—Mr. L. M. Cachemaille, Aria from "St. Matthew's Passion."
 "Double Concerto in D Minor" (Bach).
 9.30: Two violins and piano—Messrs. Scherek, Wallace and Miss Gourlay.
 9.45: Soprano—Miss Freda Elmes, "My Heart Ever Faithful" (Bach).
 9.50: String quartet—Chamber Orchestra, "Two Gavottes" (Bach-Ritter).
 9.59: Chorus—Royal Choral Society, "Gloria in Excelsis Deo" (Bach).
 10.6: God save the King.

- 6.15: Hawaiian—David Kaili, "Honolulu March" (A2464).
 Cinema organ—Leslie Harvey, "Where the Shy Little Violets Grow."
 Waltz—Dajos Bela Orchestra, "The Grenadiers" (Waldteufel).
 Saxophone—Arnold Brillhart, "Fascination" (Bernie) (A2676).
 6.28: Tacet.
 6.30: Waltz—Dajos Bela Orchestra, "Polish Life" (Nedbal) (A4008).
 Piano and orchestra—Raie da Costa and Orchestra, "Sweetheart, I'm Dreaming of You" (Carter) (A4041).
 Instrumental—Dajos Bela Orchestra, "Dancing Demoiselle" (Fall).
 6.42: Tacet.
 6.45: Selection—Edith Lorand Orchestra, "Dollar Princess" (Fall).
 Waltz—Dajos Bela Orchestra, "Casino Tanze" (Gungl) (A4081).
 6.57: Tacet.
 7.0: News and market reports.
 8.0: Chimes.
 Overture—Plaza Theatre Orchestra, "Three Bears" (Coates).
 8.9: Contralto—Miss Phyllis James, "The Valley by the Sea" (Adams).
 8.13: Instrumental—1YA String Octet, under conductorship of Mr. J. Whitford Waugh, (a) "Torch Dance" (German); (b) "The Broken Melody" (Van Biene); (c) "The Stein Song" (Fenstad).
 8.23: Humour—Mr. W. T. Pearce, (a) "Puddin'" (Powell); (b) "Are You Working" (Gilbert).
 8.32: English concertina—Mr. Robert McKnight, "Semper Fidelis" (Souza, arrgd. Seymour).
 8.35: Entertainer—Mister Ree, "Radio Magic."
 8.47: Orchestra—1YA String Octet, (a) "Old Timers' Waltz" (Lake); (b) "Serenata" (Toselli); (c) "Hungarian Dance No. 1" (Brahms).
 8.57: Bass-baritone—Mr. Hugh G. Woods, "The French Hussar" (Temple).
 9.1: Evening weather forecast and announcements.
 9.3: Orchestral—1YA String Octet, "Selection: Madame Pompadour."
 9.13: Contralto—Miss Phyllis James, (a) "O Dry Those Tears" (Del Riego); (b) "Break o' Day" (Sanderson).
 9.20: Humour—Mr. W. H. Pearce, "The Village Pump" (Nash).
 9.24: English concertina—Mr. Robert McKnight, (a) "Serenade" (Schubert, arr. Warren); (b) "Erin's Wreath" (a Selection of Irish Airs).
 9.32: Organ—W. G. Webber, "Fantasia of Old Songs" (arr. W. G. Webber).
 9.40: Bass-baritone—Mr. Hugh G. Woods, (a) "The Red Star of Romany" (Sanderson); (b) "Harlequin" (Sanderson).
 9.47: Orchestral—1YA String Octet, (a) "Love's Lullaby" (Vermiere); (b) "Bolero" (Moszkowsky); (c) "Murmuring Breezes" (Jensen).
 10.0: Programme of Dance Music, until 11 p.m. "Columbia" hour.
 Foxtrot—Jack Payne and the B.B.C. Dance Orchestra, "Get Up Nice and Early" (Sarony) (01765).
 Foxtrot—Stellar Dance Band, "The Toymaker's Dream" (Golden).
 Foxtrot—Hal Swain and His Band, "Am I Blue?" (Clarke and Akst).
 Foxtrot—Stellar Dance Band, "I'm Thirsty for Kisses, Hungry for Love" (Davis, Coots) (G20608).
 10.12: Vocal—Buddy Morgan and His Veterans, "Don't Get Collegiate."
 Foxtrot—Ray Starita and His Ambassadors, "That's What I Call Heaven" (Wimbrow) (01761).
 Foxtrot—Ipana Troubadours, "Steppin' Along" (Kernell) (01722).
 Foxtrot—Ipana Troubadours, "There's Too Many Eyes that Wann Make Eyes at Two Pretty Eyes I Love" (Davis) (01761).
 Waltz—Stellar Dance Band, "Sleepy Valley" (Hanley).
 Waltz—Hal Swain and His Band, "Let Me Have My Dreams."
 10.30: Vocal—Pete Woolery, "Beautiful" (Stern) (Regal G20622).
 Foxtrot—Stellar Dance Band, "Lonesome Little Doll" (Cowan).
 Foxtrot—Paul Whiteman and His Orchestra, "At Twilight" (Tracy).
 Foxtrot—Jack Payne and the B.B.C. Dance Orchestra, "Wake Up and Dream" (Cole Porter).
 Foxtrot—Ipana Troubadours, "Too Wonderful for Words" (Stamper).
 10.45: Vocal—Buddy Morgan and His Veterans, "Sergeant Flagg and Sergeant Quirt" (Klein) (01782).
 Foxtrot—Jack Payne and the B.B.C. Dance Orchestra, "Wake Up and Dream—Looking at You" (Cole Porter) (01762).
 Foxtrot—Paul Whiteman and His Orchestra, "When You're Counting the Stars Alone" (Rose) (07029).
 Foxtrot—Paul Whiteman and His Orchestra, "Let's Do It" (Porter).
 Waltz—Paul Whiteman and His Orchestra, "Love Me" (Morse).
 11.0: God save the King.

2YA, WELLINGTON (720 KILOCYCLES)—SATURDAY, SEPTEMBER 27.

- 3.0: Chimes. Afternoon session—Selected studio items.
 3.30 and 4.30: Sporting results to hand.
 4.55: Close down.
 5.0: Children's session, conducted by "Uncle Toby."
 6.0: Dinner session, "Parlophone" Hour:
 Selection—Edith Lorand Orchestra, "The Vagabond King" (Friml).
 Waltz—Dajos Bela Orchestra, "The Swallows" (Strauss) (A4010).
 6.12: Tacet.
 6.15: Selection—Frank Westfield's Orchestra, "Chu Chin Chow" (Norton).
 Orchestral—Dajos Bela Orchestra, "O Sole Mio" (arr. Lindeman).
 Wurlitzer organ—Leslie Harvey, "Absent" (Metcalf) (A2728).
 6.29: Tacet.
 6.30: Waltzes—Dajos Bela Orchestra, (a) "Oh, Spring, How Fair Thou Art" (Lincke); (b) "Songs d'Amour Apres le Bal" (Czibulka).
 Instrumental—Dajos Bela Orchestra, "Humoresque" (Dvorak).
 6.42: Tacet.
 6.45: Dance orchestra—Dorsey Bros.' Orchestra, "Was it a Dream?"
 Wurlitzer organ—Leslie Harvey, "Until" (Sanderson) (A2728).
 Waltz—Dajos Bela Orchestra, "Faust" (Gounod) (A4010).

Saturday, September 27

1YA, AUCKLAND (900 KILOCYCLES)—SATURDAY, SEPTEMBER 27.

- 3.0: Afternoon session—Selected studio items, including Literary Selection by the Announcer.
 4.30: Close down.
 5.0: Children's session, conducted by "Cinderella."
 6.0: Dinner session, "Parlophone" hour.
 Fantasia—Edith Lorand Orchestra, "Johann Strauss" (Fantasia).
 Piano and orchestra—Raie da Costa and Orchestra, "When Day is Done" (de Sylva) (A4041).
 6.12: Tacet.

- 6.55: Tacet.
- 7.0: News session, market reports and sports results.
- 7.40: Lecturette—Mr. William Jackson, "Beautiful Shrubs."
- 8.0: Chimes. Followed by "The Eight O'Clock Revue," the sixth instalment of a series of grown-up children's hours specially composed, written, and arranged by Mr. Will. Bishop. Supported by the 2XA Salon Orchestra under the conductorship of Mr. M. T. Dixon.
- 10.0: Dance programme—"Edison Bell" Hour:
Foxtrots—Alfredo and His Band:
"Now I'm in Love" (Shapiro, Yellen) (1318).
"Singin' in the Bathub" (Magidson, Washington, Cleary) (1331).
"Am I Blue?" (Akst, Clarke) (1248).
Waltz—Harry Hudson's Melody Men, "Sleepy Valley" (1277).
- 10.12: Foxtrots—Alfredo and His Band:
"My Love Parade" (Grey, Schertzingler) (1319).
"Smiling Irish Eyes" (Ruby, Perkins) (1331).
Tango—Marcu and His Orchestra, "Do You Still Love Me?" (934).
Vocal—G. H. Elliott, "Plain Chocolate" (Lutzen) (1325).
One-step—Harry Hudson's Melody Men, "Tell Me, Mother" (Yvain).
Foxtrots—Harry Hudson's Melody Men:
"Happy Days are Here Again" (Yellen, Ager) (1329).
"O, Ya, Ya!" (1336).
Waltz—Harry Hudson's Melody Men, "Marie" (Berlin) (1274).
- 10.36: Foxtrot—The Plaza Band, "Cute Little Flat" (1230).
Foxtrot—Harry Hudson's Melody Men, "Lucky Me, Lovable You."
Vocal—G. H. Elliott, "Sentimental Luke" (Lutzen) (1325).
- 10.45: Tango—Motoi and His Orchestra, "In the Twilight" (934).
Foxtrots—Harry Hudson's Melody Men:
"Mickey Mouse" (1321).
"Building a Nest for Mary" (Rose Greer) (1274).
"Cuckoo in the Clock" (Collins) (1321).
Waltz—Alfredo and His Band, "Let Me Have My Dreams" (1248).
- 11.0: Sporting summary.
- 11.10: God save the King.
- 3YA, CHRISTCHURCH (980 KILOCYCLES)—SATURDAY, SEPT. 27.**
- 2.0: Relay of Dedication Ceremony of the Baptist Church, Sydenham. Opening speech by His Excellency the Governor-General, Lord Bledisloe. Dedication by Rev. Joseph Kemp of Baptist Tabernacle, Auckland. President of the Baptist Union of New Zealand.
- 5.0: Children's hour, "Aunt Pat and Uncle Charlie."
- 6.0: Dinner session—"Columbia" Hour.
March—National Military Band, "National Emblem" (Bagley).
Cello—W. H. Squire, "The Broken Melody" (Van Biene) (04180).
Albert Sandler's Orchestra, "I Kiss Your Hand, Madame" (Erwin).
Cinema organ—G. T. Pattman, "Cherie Waltz" (Valentine) (01344).
- 6.12: Tacet.
- 6.15: Court Symphony Orchestra, "The Gondoliers" (Sullivan) (979).
Paul Whiteman's Orchestra, "Gypsy" (Gilbert) (07505).
- 6.27: Tacet.
- 6.30: Albert Sandler's Orchestra, "Chalita" (Schertzingler) (01467).
Padilla's Marimba Orchestra, "Paree" (Padilla) (Regal G20344).
Piano—Gil Dech, "Sometimes I'm Happy" (Youmans) (01205).
Royal Serbian Tambouritzza Orchestra, "Serbian Melody" (01490).
- 6.42: Tacet.
- 6.45: Intermezzo—Ketelbey's Orchestra, "Bells Across the Meadow."
Rio Marimba Serenaders, "Dolores Waltz" (Waldteufel).
Organ—G. T. Pattman, "Worryin' Waltz" (Fairman) (01344).
March—National Military Band, "Stars and Stripes" (Sousa).
- 6.57: Tacet.
- 7.0: News session.
- 7.30: Sports results.
- 8.0: Chimes. Vaudeville and dance programme. Overture—De Groot and Piccadilly Orchestra, "The Merry Widow" (Lehar) (H.M.V.).
- 8.7: Bass—Mr. F. G. Jackson, "Red Devon by the Sea."
- 8.11: Guitar—Hilo Hawaiian Orchestra, "Sweet Hawaiian Dream Girl."
- 8.14: Quartet—Beckenham Male Quartet, (a) "Thuringian Volkslied" (Abt), (b) "Little Tommy" (Macy).
- 8.21: Violin—Miss Irene Morris, "Chanson Waltz" (Bachmann).
- 8.25: Soprano—Miss Millicent O'Grady, "Carmencita" (Lane).
- 8.29: Trio—Christchurch Broadcasting Trio, Three Dances, (a) "Waltz" (Helmberger), (b) "Minuet" (Shield), (c) "Gavotte" (Sinding).
- 8.39: Humour—Mr. George Titchener, (a) "How I Mean to Propose" (Handley), (b) "The Story of a Kiss" (Godfrey).
- 8.48: Orchestral—De Groot and Piccadilly Orchestra, "If Only I Had You."
- 8.51: Quartet—Beckenham Male Quartet, (a) "Twilight Shades Descending" (Banks), (b) "The Rosary" (Nevin).
- 8.57: Organ—Sandy Macpherson, "I Promise" (Wilhite) (H.M.V. EA690).
- 9.0: Weather report and station notices.
- 9.3: Orchestra and chorus—Nat Shilkret and Salon Group, "Stephen Foster Melodies" (Foster) (H.M.V. EB42).
- 9.11: Tenor and bass—Beckenham Duo, "Barcarolle," from "Tales of Hoffmann" (Offenbach).
- 9.15: Violin—Miss Irene Morris, "Souvenir" (Laudy).
- 9.18: Soprano—Miss Millicent O'Grady, (a) "The Kerry Dance" (Molloy), (b) "Tit for Tat" (Pontet).
- 9.24: Guitar—Hilo Hawaiian Orchestra, "Sleepy Honolulu Town" (Warren).
- 9.27: Tenor—Mr. E. R. Pitman, Humorous, "In Town" (Coates).
- 9.30: Instrumental—Broadcasting Trio, (a) "Serenade" (Widor), (b) "The Golden Wedding" (Marie), (c) "Hungarian Dance, No. 1."
- 9.42: Humour—Mr. George Titchener, "Gone Aloft" (Handley).
- 9.48: Organ—Jesse Crawford, "How Am I to Know?" (King).
- 9.51: Humorous quartet—Beckenham Male Quartet, (a) "Simple Simon" (Macy), (b) "A Catastrophe" (Sprague).
Dance music until 11 p.m.—"Columbia" Hour.
Foxtrot with vocal refrain—Paul Specht's Orchestra, "I Love You, I Love You" (Firth) (01459).
Foxtrot—Bern Buck's Orchestra, "What a Girl! What a Night."
Foxtrot—Stellar Dance Band, "In the Shadows" (Finck) (G20451).
Foxtrot—Piccadilly Players, "Who Did? You Did?" (Kalmar).
- 10.12: Waltz—Continental Novelty Quintet, "Sunlight" (G20432).
Foxtrot—Jan Garber's Orchestra, "Weary River" (Sillers) (01459).
Foxtrot—Ben Selvin's Orchestra, "If I Had You" (Shapiro) (01469).
Foxtrot—Stellar Dance Band, "The Song I Love" (de Sylva).
10.27: Vocal duet—The Trix Sisters, "My Rock-a-Bye Baby" (Leslie).
Foxtrot—The Piccadilly Players, "Happy-Go-Lucky Bird" (Kalmar).
Foxtrot—Ben Selvin's Orchestra, "If You Want the Rainbow" (Rose).
Foxtrot—California Ramblers, "You're Just a Great Big Baby Doll."
Foxtrot—California Ramblers, "Bless You, Sister" (Robinson).
- 10.42: Waltz—The Cavaliers, "I Loved You Then As I Love You Now" (Axt).
Waltz—Continental Novelty Quintet, "On Board" (Regal G20432).
Vocal duet—The Trix Sisters, "I'm Crazy Over You" (Sherman).
- 10.51: Foxtrot—Stellar Dance Band, "Heartbroken and Lonely" (Coslow).
Foxtrot—Piccadilly Band, "A Room with a View" (Coward) (01420).
Foxtrot—Stellar Dance Band, "I Can't Make Her Happy" (Pollack).
Foxtrot—Piccadilly Band, "Try to Learn to Love" (Coward) (01420).
- 11.0: God save the King.
- 4YA, DUNEDIN (650 KILOCYCLES)—SATURDAY, SEPTEMBER 27.**
- 3.0: Chimes. Selected gramophone items.
- 4.25: Sports results.
- 4.30: Close down.
- 5.0: Children's hour, conducted by Aunt Anita.
- 6.0: Dinner session, "Columbia" hour.
Medley—H.M. Grenadier Guards Band, "Sir Harry Lauder Medley."
Waltz—Symphony Orchestra, "Doctrinen" (Strauss) (02529).
- 6.12: Tacet.
- 6.13: Piano solo—Gil Dech, "Wedding of the Painted Doll" (Freed),
Piano solo—Constance Mering, "So Dear" (Caesar) (01224).
Eddie Thomas Collegians' "Waltz Medley" (02904).
Saxophone—Rudy Wiedoeft, "Minuet" (Beethoven) (01176).
- 6.28: Tacet.
- 6.30: Mandolin—Band Circolo Mandolinistico, "La Traviata" Prelude, Acts 1 and 4 (Verdi) (02566).
Waltz—Symphony Orchestra, "When Lemons Bloom" (Strauss).
- 6.42: Tacet.
- 6.45: Musical Art Quartet, "Mighty Lak a Rose" (Nevin) (01506).
Saxophone—Rudy Wiedoeft, "Valse Mazanetta" (Wiedoeft) (01176).
Piano solo—Gil Dech, "I Kiss Your Hand, Madame" (Erwin) (01549).
Eddie Thomas Collegians, "Beautiful Ohio" (Earl) (02904).
- 6.57: Tacet.
- 7.0: News session.
- 8.0: Chimes. Relay of Vaudeville Programme from 3YA, Christchurch.
- 10.0: Dance session, "Brunswick" hour.
Foxtrot—Six Jumping Jacks, "The Whoopee Hat Brigade" (Siegel).
Foxtrot—Cotton Pickers, "No Parking" (Chase) (4440).
Foxtrot—Six Jumping Jacks, "Piccolo Pete" (Baxter) (4457).
Waltz—Bob Haring's Orchestra, "I Love You" (Fisher) (4458).
- 10.12: Vocal—Harold Lambert, "When the Real Thing Comes Your Way."
Foxtrot—Cotton Pickers, "St. Louis Gal" (Robinson) (4440).
Foxtrot—Cotton Pickers, "Moanin' Low" (Dietz) (4446).
Foxtrot—Kyman's California Orchestra, "Susanna" (Ward) (4423).
Foxtrot—Al Goodman's Orchestra, "After Thinking it Over" (Davis).
Foxtrot—Bob Haring's Orchestra, "Song of Siberia" (Lewis).
- 10.30: Organ and vibraphone—Lew White, "Honey" (Simons) (4386).
Foxtrot—Lyman's California Orchestra, "Junior" (Donaldson).
Foxtrot—Bob Haring's Orchestra, "The Moonlight March" (Newman).
Foxtrot—Bob Haring's Orchestra, "At Close of Day" (Klages).
Waltz—Colonial Club Orchestra, "My Song of the Nile" (Bryan).
- 10.45: Vocal duet—The Dixie Stars, "Sweet Mandy" (4459).
Foxtrot—Carl Fenton's Orchestra, "The World's Greatest Sweetheart."
Foxtrot—Colonial Club Orchestra, "If You Believe in Me" (Gilbert).
Foxtrot—Carl Fenton's Orchestra, "Smiling Irish Eyes" (Ruby) (4467).
Foxtrot—Carl Fenton's Orchestra, "Love is a Dreamer" (Green).
- 11.0: God save the King.



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Answers to Correspondents.

LONELY: Arrangements have been made for Mrs. Fraser Morrish to appear again on October 27 next from 2YA, and Mr. Claude Moss has indicated that he will not be available for broadcast performance for some time, but hopes to appear again at a later date. "Swing Low, Sweet Chariot," by Clara Butt, was played during the afternoon of September 11. In respect of the requests for items by Nellie Melba, we are unable to trace any instances of this artist having recorded for Columbia.

A correspondent has asked for the names of the announcers of the Test football matches. They are:—1st Test (Dunedin), Rev. Canton; 2nd Test (Christchurch), Mr. A. R. Allardyce; 3rd Test (Auckland), Mr. G. Hutter; 4th Test (Wellington), Mr. Chas. Lamberg.

Presentation of Light Music.

ALLOW me to endorse "Fifty-Fifty's" (Eltham) idea regarding a week of jazz. I have often wondered why the R.B.C. have not reversed the programmes now and again. That is, give the dance part first. The majority of people on farms are not able to stay up late of a night, we have to rise too early for that, and so we lose our part of the programme. There must be many listeners whose only chance of hearing these recordings is over the air. Speaking again from the farmers' point of view, is it not possible to start the afternoon session at 2 o'clock instead of 3 o'clock, more so on a Sunday afternoon than any other. I am

Son of Peter

(Continued from page 1.)

forge ahead, and after his father's death, purchases his brother's interests in the firm, and puts his whole soul into the task of amassing a fortune. He marries a pretty French girl, giving as much thought to that important event as he would to the execution of the most trivial business affair.

Love does not enter into the union, and it is not surprising that within a few weeks he resumes his bachelor life—leaving his wife with plenty of money to go her own unwise way. Fortis continues to amass wealth in his own dynamic fashion, and takes as mistress an actress who, having persuaded him to finance her in a play which proves successful, leaves him and marries the author.

The one woman who did understand and love him, his private secretary, is deliberately passed over by Fortis, who thus misses the single chance he had of happiness. He finally develops heart trouble, and his death reveals his essential failure. The poignantly dramatic moments portraying Fortis on his death-bed reveal the clear insight into human nature which the author possesses.

Altogether this play promises to prove one of the most enjoyable ever broadcast. The qualities that go to make a good radio play—namely, forceful dialogue, strong and careful characterisations, simple human motives, sincere characters, and a good story—are all equally in evidence, and the author is to be congratulated on his unqualified success.



While we welcome the expressed views of listeners on topics pertaining to radio, we ask that these communications be kept to minimum length, as heavy demands are made upon space. Mere reiteration of arguments cannot be accepted for publication, and we cannot take responsibility for views expressed. Address communications to the Editor, and sign all correspondence, though a nom-de-plume might be used for publication.

a listener of six years' standing, and while quite satisfied with the programmes—especially the sporting—I have often wondered why the R.B.C. have not tried the above suggestions.—Oteawa (Otorohanga).

I HAVE read letters from listeners who complain of the programmes. All my friends look forward to Tues-

day "lowbrows." Thanks to Rena and Arta for real treats.—"Georgina," Wai-pukurau.

Programmes?

"OUR Mail Bag" page is seldom, if ever, lacking of letters of adverse criticism of the programmes. I wonder if the grouseers ever consider that there are others beside themselves lis-

Wanted and Not Wanted—a Jazz Week

SOMEONE has suggested a jazz week—well, let us have one. We really expect something to our liking to compensate us for the expense we have incurred in purchasing a set. Other stations are willing to give us a request programme. Why not the R.B.C.? Let us have a vote through the "Record" and see what the majority of listeners want over the air. I am certain that high-brow music would be counted out. We want more melody. This "classy stuff" does not provide much entertainment for the owner of a local station set who has no option but to listen, or switch off.—Letzjazz.

MAY heaven or the good sense of the Broadcasting Company save us from this jazz week some of your correspondents suggest. We have been inflicted with a week of high-class music—what a memory! Our minds are still confused, masses of Brahms, Concertos, Movements, and Schuberts all mixed up with noisy backgrounds of coughing, whispering, and the doleful discord of fifty instruments tuning. What would a week of jazz be like with its series, saxophones, megaphones, glad rag dolls, and its love you's? No, sir, what we want is variety—we can all tolerate that.—G.A.G.

day night from 2YA (from 9.30 to 11 p.m.), and we are always disappointed because the programme is cut short or sometimes left out altogether. Is this fair? I quite agree with "Fifty-Fifty," but surely a week would be too much, so couldn't one night from 8 till 11 be given to us? The YA stations are 90 per cent. one side. If we cannot have a night of our own, please do not cut short our dance session on Tuesday nights. It's our only one hour and a half pleasure we have from 2YA, as Saturday night is nearly everyone's night out.—"G.W.R." (Wanganui).

"No Stale" and "Saxophone" express my views exactly. Not only are the dinner music records frequently repeated, but the dance programmes also come over fairly frequently, record for record, e.g., commencing with "How Am I To Know?" Of course, I realise we must have all the pieces several times, but surely they could be presented in different groups. Not only does 2YA need a dance orchestra, but more light vocalists, or a combination like 1YA's "Snappy Three." Another point—2YA's popular night, if it might be called such, is too much encroached on by relays generally uninteresting to

tening-in who may, and probably do, appreciate programmes which the said grouseers pull to pieces. Also I wonder if these same people ever stop for a minute to consider the trouble in-

involved in formulating programmes to suit the taste of everyone who listens-in?

I wish to state how much I appreciate what is being done to cater for the hundreds of different types of listeners. I am only one of more than 50,000 licensed listeners, and if a particular programme from one station does not just fit in with the mood I may be in, well then I immediately dial another station—and surely with the number of stations now on the air in New Zealand alone there must be one programme every evening which will appeal to everyone.

Just continue the good work that is being done—you will receive more bouquets than otherwise—and my advice to those who do not like to hear Mr. Drummond's cheery "Goo-oo-ood-night" is to turn off before it is announced. It is certainly a little over the odds to criticise the peculiarities or otherwise of the announcers—they are doing their best and a very good best at that.—J. E. A. (New Plymouth).

A Highland Lament.

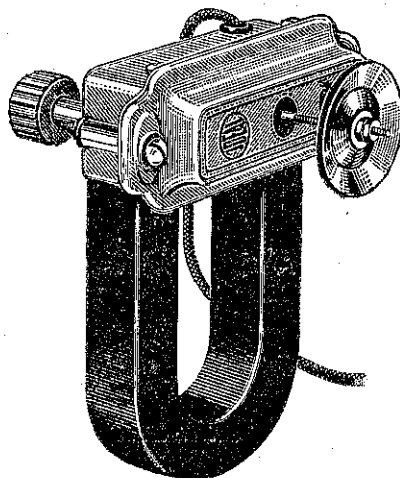
CROMARTY, Elgin, Leuchars, and even Edinburgh, with a Slavonic termination we have suffered in silence, but is it possible that not a single person with Scottish blood in his or her veins has rung up any of the broadcasting stations to inform the Sassenach announcer that the correct pronunciation of Glamis is "Glaams"! Oh! Dunedin! Did none of your Caledonian inhabitants ever suck "Forfar Rock" in infancy?—G. Fraser (Ohura).

A Bret Harte Error.

IN the "N.Z. Radio Record" of September 5 you state, in an introduction to Bret Harte's "The Spelling Bee at Angell's," that, "Until now the sketch has never been published." This is incorrect, as a few years ago I memorised "The Spelling Bee" from a volume of Harte's poems obtained from the lending department of the Wellington City Library. There are, I think, many poems of Bret Harte that would be good entertainment over the air. Particularly the "Ballads of Truthful James" and those in which Ah Sin, the heathen Chinese, figures with his childlike smile and Eastern subtlety.—H. F. Harvey (Martinborough).

[We regret the mis-statement—we accepted the version given us in good faith.—Ed.]

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Identification Wanted

STATION one degree above KOA (about 22P's wavelength). I hear him every Sunday between 5 and 6 o'clock. Another on 22M's frequency gave the call KTRH, but could not hear his locality.—J.T.S. (Napier).

STATION half degree above 3LO at 12 p.m., September 1—Fukewai.

WHAT is the address of 1ZH, Hamilton? The Japanese stations came in well on September 10 at 9.30 p.m. These were JOAK, —BK, —CK, —FK, —GK, and —HK, all at approximately R5.—"Bob" (Wellington).

[Address of 1ZH is c/o G. S. Anchor, Radio House, Hamilton.—Ed.]

ON September 11 I heard a station operating on 285 metres (1050 k.c.) at 9.20 p.m.; played "Cuckoo" waltz, an organ solo, and the International Covert Orchestra playing "In a Persian Market." The National Anthem was then played and the station closed down at 9.35 p.m. Also another station on 305 metres (980 k.c.). Man talking about experiences in the Great War. Heard at 10.35 p.m.—"Torquay" (Auckland).

All correspondence must be signed and if the name is not intended for publication a nom-de-plume should also be given.

ON September 2 at 10.30 p.m. to 11 p.m. I heard two stations, one half-degree above 3YA, the other exactly on 1YA, neither of which I could identify. Both were R1.—"Amazon" (Palmerston North).

SUNDAY evening, 7, 9.30, I tuned in to a station, possibly American, at 8.15, and I think the announcer said that

THE D.X. CLUB

Views and News.

Mr. — (I couldn't catch his name) was endeavouring to beat the world's record continuous piano-playing. "Missouri Waltz" was being played. Also heard him again last evening (Tuesday), at 8 p.m., the announcer stating that the pianist had just completed 108 hours. Static was bad. At 10.10 p.m., Sunday night (7, 9.30) I tuned in a station 2 degrees above 2ZI, Hastings. The "Blue Danube" waltz was in progress and the announcer appeared to say 4BC calling. Is this 4BC, Brisbane? At 10.30 same evening I heard another station 3 degrees above 2ZI, Hastings, but the announcing was very weak.—J. C. S. Beckinham.

MANY thanks, "Gregg," "Metre," J.A.S., and "Yankee" for information on stations. J.A.S. (Otahuhu): Could you give me 1ZM's address and power used?—"Bob" (Wellington).

edin, and is on the air daily except Sundays from 12 noon till 1 p.m. and 5 till 6 p.m. Also Fridays 7 p.m. till 12 midnight. It is operated on a wavelength of 277.8 metres (1080 kc.). Power, 7 watts (in aerial).—C.R.L. (Wellington).



MISS JESSIE SHMITH,
A distinguished Australian artist, who gave a recital from 2YA on September 10.

Java, and a schedule was arranged for a further test on September 12, 1930, commencing at 5.30 p.m. (Sydney time). After signing off with Sydney, PLW remained on the air and commenced playing records, as before, without any announcements.—J.V.M. (Wellington).

"MEDICO" (Hastings): On August 14 4QG, Brisbane, 394 metres, was broadcasting from an open air park, among other things the various heats of a goat race. The animals were driven by small boys in jockeys' colours. One animal sat down and had a rest; two drivers had an argument as to the winner. No mistake, "Medico," 4QG gives one of our strongest receptions.

("Kilocycle," Huntly, also identifies this station.)

E. W. Anglesey: 2XN, Lismore, broadcasted a church service on Sunday last, closing down at 9.5 Australian Eastern time (about 225 metres). He is heard here frequently.

"Filter" (Hawke's Bay): About a fortnight ago I heard a land station giving his call as BIA, calling BJMM (?) and addressing him as "captain" and giving instructions about making port. The same night I broke in on a conversation evidently from a ship giving the contents of his holds to the shore and asking his listener to notify Mr. So-and-So. I forget the wavelengths, but one was on 220 metres, the other 203.

On the morning of September 4, at 1.30 a.m., JOAK gave an item in English, probably a record. A song about the spelling of Constantinople.

3UZ, before closing down, said he was transmitting to Ballarat, a picture I thought, and he asked listeners to stand by and they might hear something. I heard what appeared to be a short time signal note, then a ring like a bell alternately for ten minutes or so and got cold waiting, so switched off.—A.C. (Greymouth).

E. W. ANGLESEY (Nelson): 2XN Lismore, New South Wales, 224 metres (1340 kc.). W. Flannigan (Millerton): KGER Long Beach, California, 220 metres (1360 kc.). He comes in just above 2HD Newcastle. "Filter" (Hawke's Bay): I have heard this ship on 220 metres with telephony, and one night I heard 2ME calling him thus: "Hello, Nora, Hello VJNL, 2ME calling." I wrote 2ME for verification, and asked what ship it was. They verified my reception, but the only information they gave about the ship is that it is the s.s. Noora, call sign VJNL. I think it must be an Australian coastal vessel. The one Mr. Ellis heard may be a different one.—M.B.S. (Palmerston North).

RAY DIO (Shannon): Station just above 2KY is probably WTIC Hartford, Connecticut. I have heard him on two occasions, and heard his call clear each time. "Bob" (Wellington): Station heard on about 4.50 metres mentioning the "Silver Slipper Cafe" would be KPO San Francisco, 441 metres.—W. L. Peters (Pahiatua).

DX Topics

The DX Competition.

I AM very pleased to see that the "Radio Record" DX Competition an accomplished fact. This, I am sure, will engender good healthy rivalry among "DX'ers." This winter has been the best in my experience for reception of foreign stations, particularly the Americans. I have a good log, but I don't think I'll be entering for the DX Cup. (Wry not?—Ed.).

MUCH has been written and said about different earth systems, but my own experience is that an efficient "earth" is a good contact with a piece of galvanised pipe (or other clean metal) into the moist earth, and it does not matter if it is one piece $\frac{1}{16}$ in. in diameter or 100

Stations Identified

W. FLANNIGAN (Millerton) probably heard KGER, Long Beach, California. I have a card from him, and he is using 1000 watts with the latest type transmitter. My latest is 2ZL Hastings, owned by Lockyer's Piano Co., corner of Heretaunga and Warren Streets (on same wavelength as 2ZH).—J.T.S. (Napier).

"PROTON" (Gisborne): Station 4ZO is owned and operated by Barnett's Radio Supplies, Lower Octagon, Dun-

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YOUR radio receiver is dependent on the valves you use for correct reproduction of broadcast programs. A good set deserves good valves—and they are the least expensive part of your radio enjoyment. When valves are such an important item you cannot afford to take a chance on inferior brands. Try a complete set of CeCo Valves and listen to the difference in clarity and tone quality. CeCo Valves have longer life.

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RADIO VALVES

Write to-day for free booklet "C"
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pieces 3in. in diameter, the result is precisely the same. In most cases the water service pipes to the house is the best, though sometimes electrical disturbances can be reduced by having a separate earth pipe.—W. E. Davis (Picton.)

[Recent measurements tend to confirm this.—Tec. Ed.]

Overseas Programmes From Japan.

RECEPTION has been excellent these last few days. To-night (September 5), although it is only 9 p.m., I am enjoying an R9 programme from JOHK. The transmission is apparently for overseas listeners, as many well-known English pieces are being played by a very efficient orchestra of English instruments. Quite a change for the Jap. stations. My latest logging is 2XN, Lismore. I have also this week heard 3TR, Trafalgar, and 7HO, Hobart. I have not been able to collect sufficient notes from the two latter stations to write for verification, but will get them again. I have not seen these two mentioned in the DX notes yet. 5AD, 3BY, and 4BC are coming in well with some good items, and a large amount of advertising.—"Amazon" (Palmerston North).

An Impending World-wide Broadcast.

WHILE listening to W9XAA, on September 10, the announcer stated that they would broadcast an international programme on October 5 from 9 p.m. to 5 a.m. C.S.T. (Sunday, October 5, 1.30 p.m. to 9.30 p.m., our time). Listeners are invited to listen to this programme, and send in a report of no less than 300 words. The reports must be interesting, giving details of modulation, fading, weather conditions, type of receiver, whether the listener is a short-wave enthusiast or an amateur, description of town, etc. Numerous prizes will be awarded to the best reports from different localities. W9XAA operates on 6080 kc's, or 49.39 metres, with a power of 500 watts, is crystal controlled, and 100 per cent. mod. If enough letters are received, W9XAA will broadcast an early morning programme from 12 mid. to 1 a.m. (4.30 p.m.-5.30 p.m.). W9XAA is the short-wave station of WOFL, Chicago, and is situated near Lake Michigan.—H.F.A. (Masterton.)

An Interesting Communication.

WE have received the following communication from KGMB, Honolulu. It should interest all enthusiasts.

"So many New Zealand and Australian radio enthusiasts are continuously writing us about our station in complimentary terms, I would like to have you quote for us the following:

"Station KGMB is located in the Royal Hawaiian Hotel (on the Waikiki Beach), in Honolulu, Hawaii. Honolulu is one of the Hawaiian Islands in the Pacific, 2300 miles from the mainland of California, and a territory of the United States. Address, Honolulu, Hawaii. We operate on 1320 kc, 227.1 metres, with a power of 500 watts. We are a day, on the calendar, ahead of you, less 2 hours. Our best concerts are Sunday night (Monday nights to you), 6 to 8 p.m. (4 to 6 p.m. to you). Your stations get us mostly Sunday nights 8 to 10 p.m. your time. Many New Zealand and Australian people come here to spend your winter time. It is spring time here continuously.—Honolulu Broadcasting Co., Ltd., A. Henery, general manager."

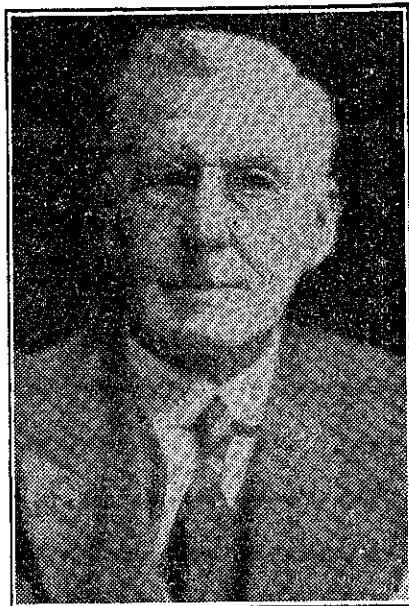
Sydney on a Crystal.

MR. E. W. ANGLESEY doubts that anyone has received Australian stations on a crystal and two valve amplifier. I built such a set and sent it to relatives at Mangere, Auckland, who reported hearing various stations. I verified this when there recently. Most of the main Australian and New Zealand stations could be heard on the phones on any average good night by turning the dial round, so there was no chance of these being picked up from radiating sets. The call signs were heard quite clearly. Locality is everything. I certainly could

not hope to duplicate this in Wellington.—S. Paul (Wellington).

Early in the Morning.

I READ with interest about the Milton Milton enthusiast and his 7 a.m. reception of a station between 2FC and 6WF. I have listened to this station on 446 metres every morning for the last two months. There is nearly always someone talking, and speech is not clear. The best reception I have had of this station was on August 29, at 6.15 a.m., after speech for two minutes or so, musical items were played there, reaching R8



MR. J. M. CLARK.

There are few elocutionists and play-producers in Auckland who are better known than Mr. Clark. He produced the first play from 1YA, and has often since delighted listeners with many excellent dramatisations.—S. P. Andrew, photo.

on the speaker for a minute or so, then fading right out, and coming back. On September 3, at 6.45 p.m., I heard someone say Johannesburg, and gave their time as 9.30 p.m., and faded away. I am still trying to clear this up. Perhaps someone can help me. Every morning I hear on 238 metres, 323 metres, 338 metres, 468 metres, 406 metres, 528 metres, 356 metres, 263 metres, and 296 metres. The 356 station I get from 6 to 7 a.m. I have cleared up one early morning station on 375 metres as ZTC. These stations are nearly always on musical items; sometimes you can just hear talking, but not clear enough to understand.—A. Greening (Inglewood).

Russia on Broadcast.

HAS any listener ever logged Soviet Russia on the broadcast band? I received RA42, Leningrad, on the morning of September 1, at 6.25 a.m. to 6.47 a.m., at good loudspeaker strength, R1-R8, very clear, with music and speech, carrying out a test transmission on a frequency of 1334 kc. I was using a 4-valve s.g. battery, operated received, and I think this is just about a record for the broadcast band. I would be very grateful to know through any DX member by correspondence or through the "Radio Record," if they have ever reached out this far.—A. Dryden (Poukika).

Surely! Knight of the Cat-whisker.

I HAVE been using a two-valve amplifier (R.R. circuit) for a considerable time, and with an average aerial and earth. Batteries have been kept in good order. I have repeatedly received the following stations at good phone strength: 2FC, 2BL, 3LO, 4QG, 1YA, 3YA, and

4YA. Also ZL2AW (Wellington) calling Hastings, and Hastings (ZL2BE) replying. I received an Auckland amateur whose call I have forgotten, and one or two other unidentified broadcast stations.—T.G.N. (Lower Hutt).

Out of Bed DX-ers!

AT 5.30 a.m. on Saturday, September 6, I made an early start on the set to clear up the stations on KPO's and 4QG's frequencies. Time was 5.30 a.m. I heard stations working on the following frequencies: 850 kc., 860 kc., 1320 kc., 1400 kc., 1150 kc., 1130 kc., 1070 kc., 820 kc. These were heard at various strengths, some just audible. The station working on 1070 kc. was playing orchestral numbers, R6 to R7. The station on 820 kc. was the strongest, so I devoted my time to him. It was a foreign station on fox-trots. The announcer had a very deep voice. The studio was poor, occasionally giving a bad echo of his voice. The announcements appeared to be in German, strength R9, with slight fading. Now, DX-ers, here are some scalps to clear up in the early morning.—S. Ellis (Okato).

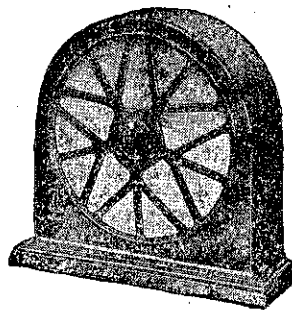
New Scalps.

HERE is a new one, boys: 2ZL Hastings, right on the frequency of 2ZL, with a good strong signal. I have had a few more, too. 3ZK Carlton, VK2UR North.)

Bodallah, 7HO Hobart, KEGA Los Angeles, VK4LW Roscalli, VK3W1 Victoria, KBKJ Beverly Hills, California. After the Australians had closed down last Sunday night I had a screw round and bagged some rare scalps: 7BY Bombay, 7CA Calcutta (at good strength), COMK Murkden, China, VRG Shanghai, KZRC and KZRM, Philippine Islands. I have heard church service from Calcutta on three Monday mornings recently, and without a great deal of atmospheric interference. On one occasion I heard the announcer state that the weather was beautifully fine, and then go on to describe the state of tea market. The singing at the church quite impressed me. This station can be heard on the dial setting of 3LO from about 1 a.m. 7BY Bombay is 1½ degrees above 2BL, KRG Shanghai a degree above 1YA at 11.30 p.m. I have just added another American to my log, KFKB, Milford, Kansas, coming in very strong with varied programme, at 11.30 p.m. Two items especially appealed to me, a Wurlitzer organ solo, "Stein Song," and vocal, "Roll, Roll, Rolling Along." The station was right on 2ZF and KNX. I also heard KFOX at 12.55 a.m.; announcer said he could hardly keep his eyes open as the time was 21 minutes past 4. "We are the early birds," he added. New fields to my log, KFKB, Milford, Kansas, a few more, too. 3ZK Carlton, VK2UR North.)

ANNOUNCING

A new Cone Speaker
at a Popular Price.



This handsome new W.B. Cone Speaker is finished in a beautifully grained attractive bakelite case.

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Price 3gns. Post Free

Here is the new W.B. Cone Speaker, which proved so attractive on the W.B. Stand at Olympia. Handsomely finished in beautifully grained, attractive bakelite case, its crystal clear notes and total absence of distortion give it an irresistible appeal to music lovers. The low bass notes are reproduced as faithfully as the highest notes in the musical scale.

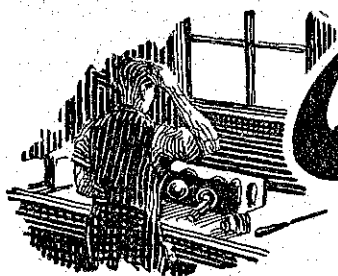
The cone unit employs the famous Vickers Armstrong Cobalt Steel Magnet, noted for strength in handling volume.

The excellent finish makes it a cone speaker in every way up to the high standard so long associated with W.B. products.

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Questions and Answers



NOVICE (Dunedin).—Would two wires 70 feet long and 30 feet high be better for an aerial the same height and length?

A.: Yes, providing the wires were at least 6 feet apart, and separated by non-conducting spacers.

K. V.W. (Dunedin).—How many turns would be required on a two-inch former using 00035 condensers for the aerial and secondary coil of the Brown-Drake described in this year's "Guide"?

A.: You will not need an aerial coil for the B.D. if you use the usual circuit. The aerial coil is really a taped secondary coil. For this and the secondary of the r.f. transformer you will require 77 turns of 24 d.s.c. wire.

2. Where shall I tap the aerial coil?

A.: At about the twenty-third or twenty-fourth turn.

3. Where will I tap the secondary coil?

A.: As we have explained, aerial and secondary are not both used for the B.D.

4. Can I use 30-gauge d.s.c. wire for primary and tickler? Yes.

5. How many turns will I require on the primary to match A409?

A.: 13 turns.

J. H. (Wellington).—Can you help me in tuning in outside stations? Where would I expect to find some of the Sydney stations? I give the readings of several of those already received.

A.: It would be a long and a difficult task to give you the approximate readings for each of the three dials. They are very nearly matched, and you should get some of the other stations quite easily by

comparing their frequencies with the frequencies and the dial readings of those you already have. You could make a graph for yourself such as was used to illustrate the response of the Atwater-

WOULD correspondents refrain from using the noms de plume, "Novice," "Puzzled," "Reader," or "Subscriber." A record is kept of each inquiry, and when many correspondents use the same nom de plume, matters become complicated. Rather use initials. There are still a few not using the coupon.

Kent receiver reported on in our issue of January 4, 1930.

W. L. (Napier).—I am troubled with a.c. hum, and am using an eliminator and grid bias unit. This seems to be picked up from the power transformers by the first audio transformer.

A.: You must completely shield one from the other by an iron screen which should be earthed. Introduce a little more capacity in the grid bias unit by shunting a two m.f.d. condenser between the terminal and earth.

2. The set is inclined to get out of control if worked by an inexperienced person. If the compensator is turned too far, the set will oscillate. There appear to be no grid condensers in the radio circuit.

A.: Probably neutralisation is carried out by grid suppressors, and these are evidently cut down to a minimum, so that when the set is forced, it bursts into oscillation.

3. Does a 200 A valve distort due to its high amplification factor?

A.: Not if it is worked in circuit, the grid return of which is negative.

4. The set tunes rather broadly, and the locals have double setting, usually some ten metres different. Is my aerial too long?

A.: The double setting on locals is due probably to overloading. There comes a point when your set can handle no more and if forced past this point the signals become much weaker and appear stronger when the point is passed. It may be due to reflection though this is unlikely. If you are using a series condenser in your aerial, it is probably not that which is causing the trouble.

IN DOUBT (Lower Hutt).—What is the meaning of the two sets of specifications for tuning coils in R. the W. Three?

A.: The smaller numbers are the regeneration coils.

2. What is the correct combination of, firstly, Philips, and secondly, Star valves?

A.: Philips for quality, det. 615, audio 609, second audio 605. For sensitivity

use 609 biased by $4\frac{1}{2}$ to 9-volt accordingly to the plate voltage in the last stage. Star valves are probably American type, and you would use three 201A's.

ACE (Kakahi): I am using a four-valve regenerative set which has the habit of bursting into oscillation which cannot be prevented until the dials are moved.

A.: Have you tried reducing the detector voltage, substituting the grid condenser and grid leak and reversing the connections to the tickler. It may be due to lay-out of the set. The one used in the 1930 "Guide" is probably the best for the h.r. receiver.

NOVICE (Auckland): I have bought a trickle charger, but there are no instructions. I have a two-volt accumulator and want to know something about charging.

A.: If we remember rightly there are four terminals on this charger. One is marked—and the one nearest to this is for two volts. If it is not marked you must take this one and the negative for your purposes. The negative is connected to the — terminal of the battery and the + to the + terminal. Keep the accumula-

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

Name of set

Number of Valves

Name

Address

Nom de plume

To be kept in subsequent inquiries.

Date

Please Note:—

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

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

Every Musical Note...Every Word... Every Whisper...with a JENSEN Nu-Core DYNAMIC SPEAKER

Hear every bit of the programme come through perfectly reproduced. Fit your set with a Jensen Nu-Core Dynamic. This is the latest type of moving coil speaker, that gives equal reproduction over the whole scale—no bass boom. The Jensen 6-volt. Dynamic operates at full power from the A.C. main in conjunction with a "Well-Mayde" or similar $\frac{1}{2}$ -amp. charger. The special core and winding of the Jensen cuts down consumption (6-volt speaker takes only 4 amp.) A.C. models fitted with Westinghouse (British) Rectifiers.

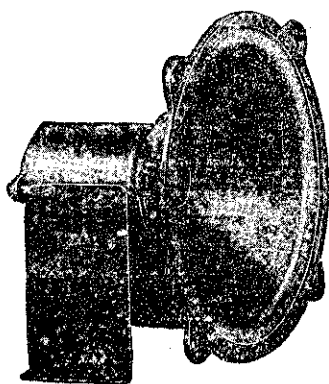
PRICES (Concert)

D-6 —Concert Unit	£6 7 6
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D-80—230 Volt A.C.	£9 15 0

NEW MODELS.

New Models to arrive shortly (the Concert is the standard model) include AUDITORIUM Daddy size, 12in. for theatres. £15—£19 approx., and MIDGET, 6in., 90/-, 115/- approx.

JOHNS, LTD.,
Chancery St., Auckland.



Mullard
THE MASTER-VALVE

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

for charging until it bubbles, or if you have an hydrometer, until it is registering full strength. It is difficult to estimate the length of time to charge a battery judging from the number of hours the set is used.

2. Can I improve on the valve combination by using a pentode?

A.: A pentode may strengthen up reception quite perceptibly, but the combination you have is a safe one.

3. What grid bias do the above valves require? I am using 120 volts B.

A.: PM2 at 120 volts requires 7.5 volts.

4. What is the most economical way to provide it? I use an eliminator with 180 volts.

A.: It could be taken from the eliminator, but for such a small quantity it is not worth while. By taking it from the eliminator you stand a chance of introducing hum.

5. The instructions say when using an eliminator a potentiometer must be used for regulating the potential on the s.g. valve. What does this mean?

5. If the taps on your eliminator are not variable a resistance should be connected in the lead to the screen and varied so that the best results are obtained.

6. Which would be the better earth, one going out the window 10 feet long, or one to a water pipe 15 feet long?—The former.

WINDARA (Dunedin): Can I use a .00035 condenser with 70 turns of 24 gauge wire on a 3in. former for a wave-trap?—Yes.

2. How would a triangular aerial function?

A.: It would be no better than ordinary L type.

3. Will the lead-in running parallel inside the house have a counter effect on reception?—No.

L. G. (Taupiri): Would you send me the Sellens A.C. short-wave adaptor circuit.

A.: It doesn't exist. An a.c. short-wave adaptor has been described in the 1930 "Guide."

2. Would there be any hum when used on a seven-valve set?

A.: Very little.

R. M.D. (Helensville):—My A battery charger from the 1929 "Guide" will not function. When I connect the "A" battery to the terminal, the rectifier flares brilliantly. Without a load everything seems correct. I have measured the voltage, which is right.

A.: Are you connecting it round the right way, for it seems that when the load is applied there is no resistance be-

tween the terminals and a short circuit results. The positive of the charger, that is the lead coming from the centre tap of the filament coil must be connected to the positive of the battery. If you are doing this then try the effect of a series resistance in the positive lead. The value of this should be about ten ohms, and it must be capable of carrying the current.

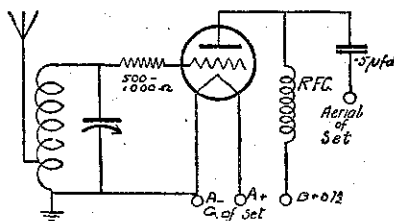
E.H.S. (Lower Hutt):—Is the rheostat in the R. the W. circuit to control the detector only?—Yes.

2. How are fixed condensers connected in series to variable ones, and where do the wires connect.

A.: You must connect a fixed condenser between either the moving or the fixed plates, and the external circuit. Say, in the R. the W. circuit you choose to connect it between the moving plates and the wire which connects to the low potential end of the aerial coil. You will lift this wire from the tuning condenser and attach one end of the fixed condenser to the now vacant terminal on the tuning condenser, and the connection removed to the free end of the fixed condenser.

SPANKER (Waihi): I have a three-valve home-made set and wish to make an h.f. adaptor using broadcast coils. Is the enclosed diagram suitable?

A.: No. You must use a .5 mfd. bypass condenser between the plate of your valve and the aerial terminal of your set. A diagram shows the connection. To



stabilise this stage a grid resistance of 500 ohms must be used in series with the grid of the valve.

2. How many turns would be required for the coils.

A.: You do not state the type of wire you wish to use. For a .00035 condenser and 24 d.s.c. wire on a 2 1/2 in. former without spacing you will require 68 turns.

KEN (Waverley):—I use four 201A's and one C 509. The tone is not good, nor can I hear distant stations. What would be the best arrangement of valves?

A.: The arrangement and the bias (16 volts) is impossible. You need a power valve such as B605 in the last stage, with 135 volts "B." Lower than this you will require 9 volts. If you are renewing, use the new UX221's in all stages but the last.

2. I have three four-volt valves. Can these be used in my set with a four-volt accumulator?

A.: Yes; but they would be no better than the present combination with a power valve.

3. The C terminals on my set are marked 4 1/2 and 9, but my C battery has no nine volts tapping. If 16 1/2 volts too much? I am using 135 volts B.

A.: With C509, 16 1/2 volts is far too much. You could use a resistance in series with the battery lead or the cheaper way would be to buy a 9-volt C battery and use the big block for the B.

HOW'S THIS!

If a rich relation said: "Tom, my boy. I'm going to give you a first-class trip around the world with a nice little salary each week to keep you going," you would jump at it. Radio operators don't have to depend on rich relations. If YOU want to be a radio operator, for full particulars write to

JOHNSON'S WIRELESS SCHOOL
BRANDON STREET, WELLINGTON.

BUNG (Waikato): Why cannot I get American stations with a powerful receiver and a good aerial?

A.: You may not have listened when the American stations were broadcasting, usually in the late afternoon or early evening, or you may be in a bad locality. Watch the DX columns and see if anyone in your district is receiving them. If they are do some careful dialling during the times mentioned.

2. Would an aerial the sides of which are at right-angles be better than the L type for directional purposes, and what length would be needed to make it equal to a 90ft. L aerial?

A.: With an aerial of the usual dimensions direction has little effect. Your best plan if you wish to experiment would be to erect two aerials at right-angles, each 90 feet long, and use a switch so that either might be used. You could then see for yourself which was the better. You could try combining them. Experience has shown that there is little to better the 100 feet L-shaped aerial.

3. Is the lead-in included in the length of the aerial?—Yes.

4. How should the lightning arrester be connected to the earth and the set?

A.: It should be at a point where both aerial and earth contacts can be easily made. Neither aerial nor earth lead necessarily has to run from the arrester, but both can, if convenient.

I. M.L. (Timaru):—I have built a one-valve amplifier for my three-valve set, and enclose the circuit. Can I use a switch to make the set work on three valves or four?

A.: Your circuit diagram is correct, although there appears to be a great tangle of wires. You should disconnect "speaker" and "B battery" terminals, applying a higher voltage to the one marked "speaker" than to "B battery." Put 60 on the latter, and the 120 on the former. The same applies to the "C" battery. Only three volts will be required on the now first audio, and 9 on the pentode. The valve to use in the first audio should be a general purpose one such as 210 L. You could obtain an inter-stage jack and connect this in front of the audio transformer, but it would make your wiring more complicated.

A JAX (Waihi): I have an r.f. choke and am wondering if it is satisfactory. If not, could you give me details of construction of a better one?

A.: In our issue of March 30 "Cathode" went into the question of choke coils very

fully. Obtain a copy of this issue and you will find all your difficulties cleared up.

2. I find my set operates much clearer and louder with the C batteries cut out and the leads connected. Is this satisfactory?

A.: You are probably using too much C battery for the valve in question. It would certainly be louder without a C battery, but seeing you will ruin it.

3. When I increase the "B" voltage on either detector or speaker there is a frightful howl which I cannot eliminate. How can I get rid of this?

A.: Do not worry about the detector voltage as the coils are designed for low plate voltage. Try reversing the connections to the last audio transformer, and if this does not cure your trouble, embody an output filter.

4. I am using PM4 in the first audio stage.

A.: This is incorrect. PM4 is a last stage valve. You should use PM3.

SUBSCRIBER (Timaru):—Who is the nearest dealer I can apply to for coils for my three-valve receiver?

A.: L. B. Scott, Ltd., Christchurch. State fully your requirements.

2. Can an a.c. dynamic speaker be worked from a battery set and a B eliminator?

A.: There are no a.c. dynamic speakers. Possibly you mean a high voltage d.c. type, but you cannot work these from eliminators.

3. Are rotary converters silent and satisfactory?

A.: Yes; but write Moore's, Ltd., Auckland, for further particulars.

D. W. (Masterton): What voltages are delivered from each tapping of my charger?

A.: When on load, the same as marked.

2. Could the charger be used in conjunction with an electrolytic condenser and choke as an A eliminator for three valves?

A.: If you had a suitable choke with a very low resistance, yes, but the safer plan would be to use the six-volt tapping with four-volt valves.

A. C. (Christchurch):—I have a four-valve set, and wish to make it all-electric. Will the tone be as good?

A.: Yes, it should be better, with the higher voltage available.

2. The s.g. valve will be indirectly heated, but I am undecided about the other three. Do indirectly-heated valves give any less volume than the others?

N.Z.'S OWN RADIO BOOKSHOP

The **TE ARO BOOK DEPOT**, Wellington. JUST ARRIVED—Prices include postage:

"Radio Amateur Handbook" (Handy's) 6th edition, third printing June, 1930, 5/3

"Radio Amateur Call Book," June, 1930, 5/3

"Projection Engineering"—a monthly, 21/- per annum.

"Radio Manual," by Sterling and Kruse, latest edition, 26/-.

"Elements of Radio Communication," by Morecroft, 19/-.

"Thermionic Vacuum Tube," by Van der Bijl, 26/-.

"Practical Radio Telegraphy," by Nilson and Hornung, 15/6.

"Radio Operating—Qstns. and Answs.," by Nilson and Hornung, 14/-.

"Radio Receiving Tubes," by Moyer and Wostrel, 14/-.

"Practical Radio," by Moyer and Wostrel, 14/6.

"Practical Radio Construction and Repairing," by Moyer and Wostrel, 14/-.

"Electric Wiring," by Ibbetson, 10/-.

"Worked Examples in Electric Technology," by Peasgood and Boyland, 19/-.

"How Radio Receivers Work," by Roberts, 8/-.

"Radio—A Study of First Principles," by Burns, 11/-.

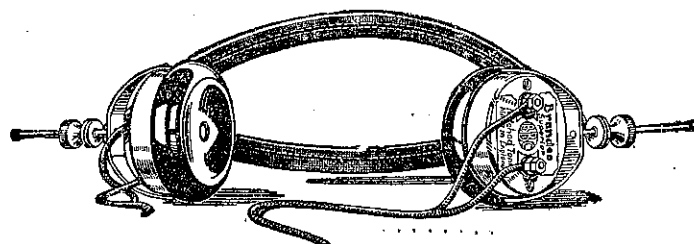
Money refunded if unsuitable and returned in good condition. New stocks by every overseas mail. Write us.

TE ARO BOOK DEPOT

64 Courtenay Place, Wellington.

Brandes

The Name to know in Radio



Made in England
Price 15/-

OBTAINABLE FROM ALL RADIO DEALERS OF

INTERNATIONAL RADIO Co. Ltd., Ford Bldgs., Wellington

A.: The best combination may be selected from any makes, using the following types: One 224, two 227's, and one 171 or B605. The indirectly-heated valves are much to be preferred.

3. Are the valves mentioned first-class?—Yes; don't you read our lab. jottings?

4. When adding the fourth stage I had to reverse the leads to the primary of the transformer. Is there a better way of overcoming the difficulty?

A.: No; this is correct.

5. Would there be any difficulty in adding a further push-pull stage of audio?—No.

A. B.O. (Timaru): I enclose a sketch. Which would be the better position for my aerial?

A.: The one marked 2.

L. P. (Wellington): I am contemplating the construction of a small two-valve portable set. Can you recommend a good circuit?

A.: Yes, the "Trampers Two," published in the "R.R." November 29 and December 26.

2. Will a coil assembly from an old two-valve set with condenser control regeneration be satisfactory?

A.: Yes, you must make provision for the regeneration condenser.

3. The set is to be used in Marlborough Sounds at Christmas time, with a makeshift aerial. What results should I get?

A.: The Marlborough Sounds are notoriously bad for reception, but you should get phone strength with an aerial

D. X. (Hawera): I am not getting sufficient distance on my factory-made set. Is an aerial 110 feet long and 80 feet high a good one?—Yes.

2. I am using four 201A valves. Would a power valve make any difference?

A.: A power valve suitably biased would greatly improve the tone, but not the signal strength. Such a power valve should be of the medium type.

3. Is 90 volts sufficient for the amplifier?

A.: 135 volts would be very much better.

4. Do you consider a three-valve s.g. set would be as efficient as the average four-valve set?

A.: The circuit mentioned is nothing extraordinary. It would not be as good as the four-valve Browning Drake.

5. Where can I get the circuit diagram for my receiver?

A.: Try the National Electric Engineering Co., Featherston Street, Wellington.

N. W. (Nelson): I have a five-valve factory-made set which frequently goes dead for some considerable time. If I remove the C battery until the set howls, and then replace it, it goes satisfactory.

A.: It sounds very much like a defective transformer. You can test the windings of these by the phones and cell, or phones and voltmeter test described in the 1929 and 1930 "Guide." Check for a loose connection.

MANGATU (Mangatu): My four-valve set will suddenly stop, perhaps for a few minutes or a week or more, then it will suddenly come in at full strength again. I can always get a whistle when I tune in.

A.: This sounds very much like trouble in the radio stage. During one of the silent periods bring the aerial to the fixed plates of the right-hand condenser and see if the set then goes weakly. If the fixed plates are connected to the ground then bring the aerial into the moving plates. Look in the radio stage for a defective connection. If the set has been built from a kit set with heavy busbar wire it is quite likely that there is a dry connection. Tug all the wires in this part of the set to see if any are loose.

REFLEX (Dargaville): I am using a Daniells cell charger as an "A" battery and it is working satisfactorily. I formerly used it to keep a small accumulator charged, but this has now failed to operate. Will the Daniells cell charger be satisfactory in conjunction with an 80-amp hour battery.

A.: Yes, provided you kept it on continuously; but why go to the expense of an accumulator if the charger is functioning well as an "A" battery?

F.H. (Wellington): Records come through well on my home-made receiver, but studio items very poorly. The upper notes of the cornet have often a very reedy sound, more like a clarinet, while certain speakers appear to have very scratchy voices.

A.: It sounds as though the set is not properly tuned to 2YA. Reduce the volume until the signal can just be heard and move the dial until the exact point is found where the station comes in can be heard. Increase the volume, but do not use the dial as a volume control. Put a variable resistance of 500,000 ohms across the aerial and earth if volume is excessive. Other suggestions are: Reverse the speaker leads and insert a 5000 ohms variable resistance in series with the B+ lead of the second audio transformer.

SERVICEMAN (Hamilton): What do you consider to be the most useful set diagnoser for a serviceman.

A.: If you send us your name and address, as you should have done in the first place, we can put you in touch with one of New Zealand's most prominent radio experts who has one to dispose of. His reason for selling is that he has now to use a bigger and more complicated piece of apparatus. The instrument in question is practically new.

LAMBDA (Wellington): Would you give me the specifications for valve base coils for the Pilot A.C. Super Wasp?

A.: Write Harrington's Ltd., Willis Street, Wellington, as they are the Wellington agents.

2. Would you give me the specifications for a wave-trap?

A.: See the 1930 "Radio Guide."

3. What coils would be required for full scale coverage for each amateur band with the Super Wasp?

A.: If the bands are being broken up with your present coils, place a midget

Taken to Task

An Answer That Was No

"LONG-wave" asked how far he should be able to receive with a two-valve set, using 45 volts. Your answer is: "Little more than the local station satisfactorily." Well, Sir, the question is somewhat vague and your answer in my opinion quite as vague. There are sets and sets. I have had my two-valve receiver just five years this month, and I regularly pick up the following stations in very good volume: 2FC, 3LO, 4QG, 2BL, 3AR, 7ZL, 1, 2, 3, and 4YA, and on rare occasions JOAK, 2GB and 5CL, and I have heard, but not satisfactorily, 6WF. My reception coincides almost identical with the list published weekly, 2FC, then 4QG second. 3AR is sometimes as loud as 2BL. If I wish to have loudspeaker volume I connect up one stage of audio, two oftentimes giving too much volume. During the cricket Tests in Australia and during the latest Test matches I was able to pass on the results fairly quickly to 3YA, when the play was in progress. If "Long-wave" ever comes to Christchurch I will be pleased to let him hear my set. Forty-five volts is my maximum on both detector and r.f. valve.—T. P. Sewell (Christchurch).

[Our correspondent must realise that when no particulars are given we could only suggest the minimum to be expected, so that were the set not as good as some, its owner would not be disappointed. What would he do in similar circumstances?—Technical Ed.]

Foot for a Mast

A GOOD stay footing for securing a high mast can be made from a length of 2in. by 4in. timber, with an iron stay bolt firmly secured in the centre, the whole arrangement being buried 2ft. or 3ft. deep, with only the top of the stay bolt projecting above the surface.

condenser in parallel with the tuning condenser, and adjust this until you get the bands to your liking.

Screen Grid Radio £26

8-Valve
245's Push-pull
R.C. 1st Audio
Power Det'n
Triple S.G. R.F.
230-volt A.C.



Write for Details

ROYDS-HOWARD CO.
CHRISTCHURCH

RADIO DIRECTORY

What to Buy and Where

CITIES

- | | |
|---|---|
| AERIAL MASTS | Domestic Radio Co., Ltd.,
300 Queen Street, Auckland. |
| ACE and HAMMERLUND SETS,
WESTINGHOUSE Rectifiers | Johns, Ltd.
Chancery Street, Auckland. |
| BROWNING DRAKE SPECIAL-ISTS | 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 ATWATER 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, ATWATER-KENT AND RADIOLA ELECTRIC SETS | Radio House, Hamilton.
G. S. Anchor. Manager. |
| PHILIPS VALVES AND APPARATUS | All Good Radio Dealers. |

We are continually receiving Repeat Orders for—

Ferrand Inductor Speakers

The reason is unquestionably due to their

PURE TONE QUALITY

L. M. SILVER & Co., Ltd.,

TORY STREET, WELLINGTON
New Zealand Agents.

The Loftin-White Kit Modifications

OWING to space pressure we had to hold over the remaining portion of the L.W. description. Following is the conclusion to the article in our issue of September 5.

THIS variation of screen current will not result in distortion of any appreciable magnitude since it does not appear in the output circuit of the valve, that is the plate circuit. This little sidelight on the operation of the screen grid may be of interest when considering this type of valve in the role of detector, e.g., a varying signal voltage applied to the grid of a screen grid detector may cause variation of the screen current and a consequent variation of screen to cathode resistance. The plate current may therefore be modulated by this means and result in very efficient signal detection.

The Regulation Feature.

REFERRING to the circuit of Fig. 1, it will be seen that when, for any reason an increase occurs in the plate circuit current of the 224 tube, the bias on the 245 will increase automatically. This will cause a decrease of plate current in the 245. The 245 plate current constitutes the major portion of the current through the 450 ohm resistor, so that when this current decreases the bias on the 224 increases, tending to maintain the 224 plate current constant. This is the regulation feature of this circuit, about which much has been written. The circuit shown in Fig. 1, using the values given, has been found satisfactory as a gramophone reproducer.

In attempting to apply the Loftin-White system to the rectification and

amplification of signal voltages obtained from an R. F. amplifier, certain difficulties were encountered, which we must not fail to mention.

Aside from the fact, which has been brought out by other writers, that changing the grid leak detector of a receiver into a "C" bias detector (as is required of the first valve of Fig. 1)

R. F. voltage at the plate of a detector may be passed on and amplified, for the audio amplifier, resistance coupled as it is, may also act as an amplifier of R. F. voltages. This may cause a disturbance in the operating conditions of the 245 valve with consequent deleterious effects on the fidelity of reproduction.

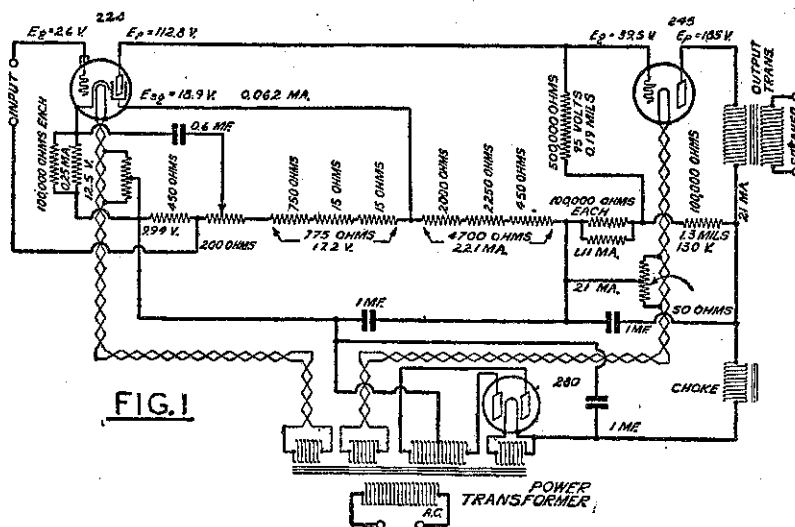


FIG. 1

will considerably change the stability conditions of the R. F. amplifier. It is well known that the low dynamic input impedance of the grid leak detector assists materially in stabilising the R. F. amplifier, because of the damping effect which it has upon the tuned circuit connected to it. An R. F. amplifier which has been stabilised for such a condition may no longer be stable when the detector is changed to a "C" bias detector without making proper changes in the R. F. amplifier.

A Difficulty.

BUT, aside from this, there is another difficulty which is far more serious: it is not possible to properly short-circuit the radio-frequency component of the detector plate current by means of a by-pass condenser from plate to cathode, which we are so accustomed to doing. The reason for this is apparent when we consider that such a condenser would be in parallel to the coupling resistor of $\frac{1}{2}$ megohm; e.g., the reactance of a .001 mf. condenser at 1000 cycles is approximately 160,000 ohms. This consequently will act as a partial short circuit across the $\frac{1}{2}$ megohm coupling resistor, and the high modulation frequencies will be lost. Without using such a by-pass in the plate circuit of a detector, large R. F. voltages will be passed through this valve and established in its place circuit. Three evils can result from this. If the impedance of the remainder of the system is sufficiently high, or, if a radio frequency choke is connected at the plate of the detector, the R. F. voltage developed there may be forced to feed back into the R. F. amplifier and result in a hopelessly unstable condition. Again, the

regulation of the system, brought about by the opposing effects of the voltage across the bias resistor of the 224 and that across the 250 ohm resistor, will considerably reduce the efficiency of rectification.

Good Gramophone Amplifier.

WE have had, thus far, no success with the direct coupling system when using the first valve as a detector connected to an R. F. amplifier. We have, however, had sufficient success with the system as a simple amplifier to recommend it to those who are interested in the setting-up and the studying of new circuits. For example, if we use the usual detector in our radio receiver, follow it by a transformer or the usual resistance capacity coupling, and then follow this by the Loftin-White system, we have a very powerful system which will operate very satisfactorily. Or, if it is so desired, the Loftin-White amplifier can be built up as in Fig. 1 and used merely to operate on a gramophone pickup.

The layout (in September 5 issue) shown can be duplicated very easily, but must be shielded. The baseboard measures 9 x 14 inches, and is one inch thick.

Comprehensive List

Mr. Sellen's Record

A TRIBUTE to Mr. F. W. Sellens, the "Radio Record's" short-wave contributor, is paid by the Melbourne "Listener-In," which states that his list of overseas short-wave stations includes about 37 more than the 50 odd regular and semi-regular transmitters that journal knows. The "Listener-In" mentions that the 5 k.w. short-wave phone transmitter, recently installed on Tinakori Hill, Wellington, although it has been testing with Sydney, has not been heard by Melbourne short-wave listeners.

Eltax Batteries !!!

Are of outstanding merit—long life and reasonable price.

They can be procured in blocks of 45, 60, 90, 100 and 120 volts in two sizes.

Yellow Label for 1 and 2-valve sets.

45v. 12/6 60v. 14/-

Green Label for 3 and 4-valve sets.

45v. 14/- 60v. 18/-

6v. "C" Batteries, 2/6

Details and prices supplied, upon request, of larger capacity and higher voltage batteries.

Thos. Ballinger & Co. Ltd., 58-62 Victoria St., WELLINGTON

"Where the Quality Goods are Sold"

WRITE FOR OUR LATEST RADIO PRICE LIST

FOR SALE OR EXCHANGE

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

WANTED to Sell, Philips "B" & "C" Battery Eliminator, almost new, tested 100 per cent. Price £6 complete. Owner purchased all-electric. Reply A. Brown, Box 937, Wellington, or Phone 28-509.

ALL-ELECTRIC 2-Valve Local Station Set, complete with Loudspeaker. Excellent reception and good quality. Set was built by thoroughly qualified expert, and is guaranteed. £12. "Reception," c/o "Radio Record."

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

YOUTHFUL Slenderness can be yours easily, pleasantly, quickly, by taking Youth-o-Form Capsules. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

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

LOVELINESS of Figure secured by many women with Youth-o-Form Capsules. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

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

GLORIOUS Physical Fitness obtainable with Youth-o-Form Capsules, which quickly reduce weight. 6/6 posted. A. C. Timms, Chemist, Pahiatua.

News and Notes from the North

(By "Call Up.")

OUR Auckland correspondent "Call Up" writes: The listener who rushes to the telephone to complain to the studio as soon as he hears an item which does not meet with his approval is apt to blunder well and truly. Before to-day disgruntled listeners have rung up 1YA studio to complain of the poor singing of Clara Butt and the poor playing of Kreisler, mistakenly blaming some unfortunate local artists. The other day an irate man rang up. "I have just heard your octet and it's awful," he said.

"I think you're mistaken, sir. It has not played yet to-night."

"Don't be a fool. It has just finished a number."

"The octet you've just heard is considered to be the world's best."

"The world's worst!"

"That was J. H. Squire's Celeste Octet playing on a Columbia record!"

Supposed collapse of listener and source of much mirth to station staff for next few days.

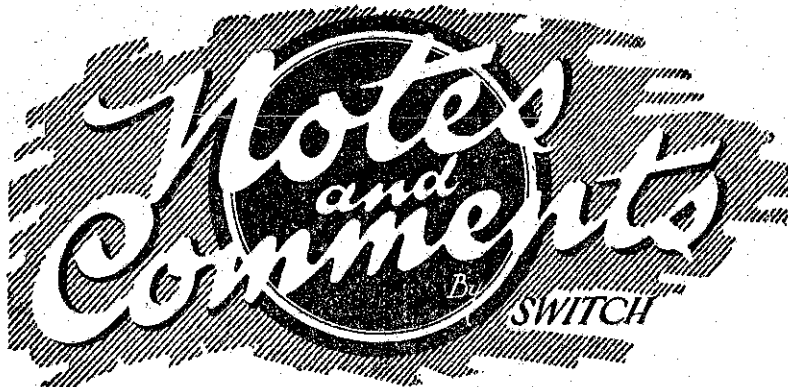
MANY entries are being received for the 1YA Song Writing Competition, which closes on September 26. Three judges have been appointed, subject to their consent, and it is expected that the result will be announced shortly after the closing date.

AN artist of outstanding merit who is to be heard from 1YA soon is Miss Jessica Shmith (contralto), who was formerly of station 3LO, Melbourne, and has recently been heard from 2YA. Miss Shmith is to make three appearances from 1YA next month.

THE play, "David Garrick," which was to have been presented from 1YA by Mr. J. F. Montague on September 26, has now been postponed till October 17. The Savage Club entertainment has also been postponed.

THE 1YA Station Choir will give a programme of part-songs on September 24, followed by half an hour of community singing from the studio. The choir will be heard again on October 19, when it will give a Sunday evening concert.

IF many listeners only knew more about their sets, complaints would be fewer and general satisfaction greater, and with this idea Mr. B. S. Jones is now giving a series of talks from 1YA on "How to Get the Best Out of Your Receiving Set." Mr. Jones has had fifteen years' experience in radio matters, and this has been gained at sea and in all quarters of the world. He considers that New Zealand is the listeners' paradise, owing to the clarity of the atmosphere and the comparative rarity of static, reception from a much greater distance than in most parts of the world is possible. On board a ship in New Zealand waters time messages can be received at night from very great distances, even with quite small installations. The programmes here, taking everything into consideration, compare very favourably with those of other countries.



ONE of the neatest and most effective broadcasts of an instructional nature transmitted by the "YA" stations is the "farmer dialogue" from 4YA Dunedin. On a recent Wednesday evening "Switch" tuned in the Dunedin station and listened to this feature. The material was most instructive and logically expounded, while the conversation between the two farmers was most natural.

LATELY New Zealand listeners have missed the Monday night broadcast from Sydney of the community

"Switch" examined his friend's equipment and found the aerial hardly worthy of the name. It was scarcely higher than a clothes' line. When the aerial was raised to 30 feet—above fences, shrubs, and buildings—the "outside" stations came in with exceptional volume. When will beginners realise that a good aerial is an essential?

FOR many years radio in Western Australia has been practically at a standstill. One of the reasons urged by listeners was the abnormally long

OTAGO SOCIETY OF Professional Musicians aided by ASSOCIATED MUSICAL BODIES

will Broadcast a
Special Concert from 4YA
WEDNESDAY, SEPTEMBER 24

singing in the Ashfield Town Hall. The night was changed to Thursday, and, instead of 2FC Sydney being the relaying station, 2BL Sydney was substituted. The master of ceremonies was, as usual, in great form, and kept his listeners and those present in the hall in a happy humour.

NEW ZEALAND is so well supplied in rural districts with electric rectification that very few battery-model receiving sets are now stocked or sold by radio dealers. In the United States conditions are widely different, for, of nearly six-million farms in that country, only 7.2 per cent. have an electrical supply. Thus the American radio trade still finds a good market for battery-operated sets.

THE other day the writer's advice was sought by a Wellington listener, who was greatly disappointed with his reception of "outside" stations. He was inclined to blame his new a.c. receiving set, which, by the way, is a first-class instrument.

stalled at Geelong, about 50 miles from Melbourne, and will have an aerial input of 50 watts. The wavelength is to be 214.2 metres. Who will be the first to log the newcomer?

POOR quality of reception, which one occasionally hears, may, in a number of instances, be found to be due to worn-out valves. The writer had brought under his notice recently a set which "gurgled" slightly on the shorter wavelengths of the broadcast band, and it seemed as though some of the stations had fallen off in power. After a series of careful tests of the various valves in the set, an a.c. model, it was discovered that the power valve had dropped considerably in emission. A new valve was inserted and the set then performed faultlessly.

A WELLINGTON youth, Master Wesley Chisholm, who has a bent for wireless set construction, won two first prizes at the recent Y.M.C.A. hobbies competition, his exhibits being a crystal set and a two-valve set. These make six first prizes that this young amateur has won for radio construction. He is now only 15 years of age, and has made a good start in life in the Wellington City Corporation electricity department.

"SWITCH" heard an announcement on the air that the Melbourne "Herald's" broadcast station, 3DB, although burnt out by a fire which started at 5 o'clock in the morning, was substituted by a temporary station which commenced broadcasting on schedule time. It was rather unfortunate that two expensive microphones at 3DB were destroyed.

"HELIX" (Lower Hutt) writes:—"Could you kindly tell me the difference in time between New Zealand and Japan?" About a fortnight ago "Switch" heard the hour being struck in the studio of JOHK, Sendai, after the announcer had made a statement in Japanese, which, when translated by a friend, proved to be an announcement of the time. This was checked up with New Zealand standard time, and showed Japan to be 2 hours 10 minutes behind.

"TURBINE" (Masterton) writes:—"Can you tell me what a Beveridge aerial is? Has it exceptional properties. Kindly publish the data on it." This query has resulted in much research on "Switch's" part, but he has not been able to discover the data required. The writer well remembers when the Beveridge aerial was first exploited. If he remembers rightly the aerial is about 500 yards long, supported by many posts, and is hung fairly close to the ground, about seven feet at its lowest point. A condenser (.00025 mfd.) at the distant end is employed for "tuning" the aerial. This aerial is amazingly sensitive, but is strongly directional and must be pointed in the direction from which reception is desired. "Switch" would welcome any further particulars from listeners regarding it.

Burgess Batteries
are used in all
big events.

Why?

**BURGESS
RADIO
BATTERIES**

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

Why?

Laboratory Jottings

Round the World on Short-Wave

FOR some time we have had a Stewart-Warner supplied by Messrs. Hope Gibbons Ltd., and during that time have had the opportunity of thoroughly exploring its possibilities. We have made many comparisons and taken not a few measurements, and are convinced that if there are comparative defects, we have not found them. Our tests were carried out with an aerial slightly longer than standard, in a poor locality, and during a period of bad reception.

There are some interesting technical features of the set which those interested will find at the end of the general observations.

Design.—Readers are probably familiar with the design of this receiver. It is simple, but very neat, having three controls—tuning, fine-tuning, volume and an off-on switch. The two models differ only in that one has a gramophone incorporated: the chassis are the same. The radio model has provision for a pick-up and another for speaker or phones.

Sensitivity.—It would be futile to enumerate the stations received on the set while it was in our possession; needless to say they ranged from New Zealand to America, and the laboratory is situated in a notoriously bad area. During the evenings there was a reserve of power on all the New Zealand A stations, many of the B, on the main Australian stations and on an occasional Jap. When the air was reasonably clear one could listen in comfort to the American and Japanese broadcasters. There is no doubt that the slogan "The Set with a Punch" has some application.

Fidelity.—The tone of the set is one of its main features. There was a welcome absence of a booming bass and a thin treble, for the tone was well-balanced—remarkably so. The frequency range tested by a first-grade pick-up and constant frequency records was found to be from 50 to 7000 cycles, though "the working range" (the flat curve) is between 80 and 2500 cycles. The result is a very pleasing tone. A notable feature was the evenness of volume control, for the tone is admirably preserved from comfortable strength to overloading point. This point is not reached until volume sufficient for a small hall (5 watts) has been reached.

Selectivity.—This is sharp enough to bring in 2FO and 4QG when 2YA is operating with an aerial 120 feet long, three miles from 2YA. Although selectivity is considerably sharper than usual, fidelity is remarkably well preserved.

Operating cost: The set consumes 150 watts of power or that equal to a fairly strong lamp. On power rates, in the Wel-

AS there are so many American short-wave stations now working on about 49 metres, the following list of American and Canadian short-wave broadcast stations, with their hours of transmission, will be useful. I am indebted to Mr.

Calls.	City.	Metres.
W9XB-WENR,	Chicago	49.83
W2XAL-WRNY,	New York	49.67
W3XAU-WCAU,	Philadelphia	49.50
W8XAL-WLW,	Cincinnati	49.50
W9XU-KOIL,	Council Bluff	49.50
W9XAA-WOFL,	Chicago	49.34
VE9GW-CKGW,	Toronto	49.22
W3XAL-WJZ,	New York	49.18
W2XE-WABC,	New York	49.02
W8XK-KDKA,	Pittsburgh	48.86
W2XAF-WGY,	Schenectady	31.48
W3XAU-WCAU,	Philadelphia	31.28
CJRX,	Winnipeg	25.60
W8XK-KDKA,	Pittsburgh	25.25
W8XK-KDKA,	Pittsburgh	19.72
W2XAD-WGY,	Schenectady	19.56

lington district (1d. per unit) the set can be used for six hours for 1d.

Technical points: Here are some details that will appeal to the technically-minded of our readers. The set comprises three stages of tuned r.f. s.g., 227 type detector, and first audio and two 245's in push-pull. Radiotron valves are used throughout; other valves were substituted but in this circuit the choice of Stewart-Warner is by far the best. Detection is by the plate method (power), and this stage is r.c. coupled to the first audio. There is a provision for a gramophone pick-up ahead of the detector and for television apparatus after it. The aerial coil is tapped to reduce the effective length of the aerial for local reception. In addition provision is made to use the mains as an aerial. Both the tapping and the mains are useful expedients during periods of heavy static and where aerials cannot be erected, but they do not produce the signal strength that the true aerial does.

Volume is controlled by a variable resistance between the aerial coil and the screen grids, the variable tap being connected to earth to act as a bleeder. A line ballast tube prevents voltage surges; by a special switching device, phones or another speaker can be connected in to the plate side of the output push-pull transformer.

A very desirable feature is that maximum sensitivity is maintained over the whole wave band, the sensitivity curve being almost flat. At 1400 kilocycles a signal strength of one micro-volt. per metre aerial height is sufficient to give room strength, while at 600 cycles 2½ are required. This illustrates the remarkable overall sensitivity when it is borne in mind that a range between 10 and 40 is quite usual in first-class moderately-priced receivers.

Raymond M. Bell, Carlisle, Pennsylvania, for the full particulars based on letters received from the various stations. The first letters are the short-wave and the second the associated broadcast station call. The times are reduced to New Zealand standard time:—

Schedule.
Daily except Monday, 2.45 a.m.—4.15 a.m., 8 a.m.—11.30 a.m., 1 p.m.—5.30 p.m. Sunday till 6.30 p.m. Monday, 12.30 a.m.—5 a.m., 8 a.m.—11.30 a.m., 12.30 p.m.—5.30 p.m.
Tues., Fri., and Sun., 1.30 a.m.—5.30 a.m. Tue., 10.30 a.m.—1 p.m. Wed., 9.30 a.m.—3 p.m. Fri., 1.30 p.m.—3.30 p.m. Sat., 7.30 a.m.—1 p.m. Sun., 12 noon—3.30 p.m. Mon., 8.30 a.m.—11.30 a.m., and 1.30 p.m.—2.30 p.m.
Daily, 11.30 a.m.—3.30 p.m. Testing, soon on regular schedule. Not yet on air. Soon daily, 11.30 p.m.—5.30 p.m.
Daily except Monday, 10.30 p.m.—11.30 p.m., 4.30 a.m.—5.30 a.m., 12 noon—1 p.m., 1.30 p.m.—2.30 p.m., 3.30 p.m.—4 p.m. Thursday also 4.30 p.m.—5.15 p.m. Sunday also 6.30 p.m.—10 p.m. Monday, 1.30 a.m.—2.30 a.m., 12 noon—1 p.m., 1.30 p.m.—2.30 p.m., 3.30 p.m.—5.15 p.m.
Daily, 10.15 p.m.—3.30 a.m., 7.30 a.m.—8.30 p.m.
Daily except Monday, 8.30 a.m.—9.30 a.m., 2.30 p.m.—4.30 p.m.
Daily, 11.30 p.m.—4.30 p.m. Wed., Fri., Sun., Mon., 10.30 a.m.—3.30 p.m. Tue., Thur., Sat., 8.30 a.m.—3.30 p.m.
Daily, 10.30 a.m.—1.30 p.m. Daily, 11.30 a.m.—3.30 p.m.
Daily except Mon., 10 a.m.—1 p.m. Wed., Fri., Sun., 1 p.m.—3 p.m.
Sun., Mon., Wed., Fri., 3.30 a.m.—11.30 a.m.
Sun., Mon., Wed., Fri., 11.30 a.m.—3.30 p.m.
Daily, 8.40 a.m.—11.30 a.m. Mon., Wed., Fri., 5.30 a.m.—8.40 a.m.

Mr. Bell also writes:—"During this month I commenced television. I have been 'looking in' on W3XK, Washington, D.C., and W2XCR, Jersey City, who broadcast movies. W3XK is on 103.4 metres, 8 till 10 p.m., E.S.T., except Saturday and Sunday. W2XCR is on 107.1 metres, 2 p.m. till 4 p.m. and 7 p.m.—9 p.m., except Saturday and Sunday. These are Jenkins stations and are the best.

DURING the past week a "Chain of Luck" was received from an American short-wave listener. This consists of a list of seventeen names and addresses of short-wave listeners who have reported NRH at different times. Mr. Cespedes, the owner of NRH, sent it to the first on the list, with the request for him to sign his name, date received, and date forwarded to the next name. This procedure is followed till the chain is complete, the last name being the sender. Mr. Amador Cespedes, Marin, Heredia, Costa Rica. Nine of the persons reside in various parts of America. Two in Canada, British West Indies, England, Spain, one each; and New Zealand, two (Mr. A. P. Morrison, Brooklyn, and myself). All members of the chain are invited to be very good friends by writing each other. (If any reader would like to correspond with a listener in any country referred to above, I shall supply particulars.

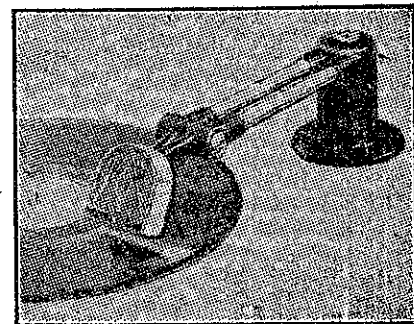
A BRITISH official wireless message states that when the National Radio Exhibition opens at the Olympia, London, next Friday, one of Britain's youngest, but most prosperous, industries will display its products. British wireless industry has no unemployed. It is growing with great rapidity; it provides work for over a million, and it represents £80,000,000. Since last year's exhibition, six big new factories for mass production of wireless sets have sprung up, and at the Olympia 200 firms, all prosperous, are exhibiting products from the smallest terminal to the biggest valve in the world, embodying the last word in the science of wireless.

AUDAK

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Tonal Supremacy in Sound Reproduction

The Audak Pick-up expresses the full chromatic values of music. It reproduces each complex gradation of tone, intertexting every whimsical detail of the most intricate composition.



A Perfectly Balanced Instrument with Remarkable Power, Clarity, Tone Value and Realism

New Zealand Distributors for AUDAK PICK-UPS
BOND & BOND LTD., Auckland

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MACK'S TESTED AND PROVED ADD-A-PHONE.

Nowhere else in the world is an ADD-A-PHONE made or even suggested, must less used. It is designed, built and perfected in NEW ZEALAND FOR NEW ZEALANDERS, and stands on the merit of its own performances.

It is not an adapter.

MACK'S RADIO SERVICE also makes Short-Wave Sets, Wave-Meters, Radio Frequencies, and Modulated Oscillators. Also Super-Heterodyne Wave-Meters, Output measuring instruments, Radio or Audio Frequency-Changers.

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78-77 Kent Terrace, Wellington.
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THE ELECTRIC HOME JOURNAL

A FRIEND writing from London some time ago told me that she had been to a play in which the scene was staged in a very modern villa at Le Touquet. The living-room gave the impression of being extraordinarily sunny, while the walls are the colour of crocuses. The peculiar luminous effect was so attractive that my friend inquired after the performance how it was done. "By spraying gold paint over a lighter foundation of yellow," she was told. I wonder if this can be done in Wellington and if it would be very costly?

ELECTRIC boot-cleaners have been installed for the miners at a Leicestershire colliery.

SPRIGS of dried baronia placed among woolens and in the linen-press will keep moths away.

IN America, Women's Home Service Committees are doing invaluable work as regards the advancement of electricity. Lita Bane, past president of the American Home Economics Association, gave a very interesting address before the Public Relations Session, on the viewpoint of the woman in the home, the consumer who buys and uses the products of appliance manufacturers. The wise home manager, said Miss Bane, whenever it is within the range of her purse will make large use of electricity. In concluding her address, Miss Bane gave the following suggestions epitomising the home-maker's vision of electric service: That the industry—

- (1) Produce and sell electrical service as cheaply as possible.
- (2) Study the needs of home managers carefully in order that money and effort are not wasted in producing useless units.
- (3) Produce electrically-driven machinery which shall be as simple as possible to use, and as cheap as it is possible to make it.
- (4) Offer women careful training in the use, care and simple repair of household equipment. It is suggested that women are particularly successful in this work of helping to overcome the prejudice regarding machinery.
- (5) Exercise care in putting into a home only suitable needed equipment which they can pay for without undue need, worry and strain.

A FRESH interest is given to every-day vegetables if they appear sometimes in a new form. Carrots, for example, can be served up as follows: Mix some grated carrot with a quarter of its own quantity of fine breadcrumbs and enough beaten egg, mixed with a little milk and melted butter, to moisten it. Stir the whole well, season with salt and pepper, pour into a well-buttered dish and bake in a moderate oven (300deg.) till set.

A FRIEND of mine was visiting a country town in New Zealand, where electricity was still a new toy. She wrote to me saying that at every tea-party to which she was invited the sole topics of conversations were the various labour-saving electrical devices recently installed in each home. In fact there was great rivalry between the housewives over the amount of dirt which the vacuum-cleaners lifted from their carpets!

IN these days of "pioneer women" (says an English writer) it is interesting to hear that Caroline Haslett, the bright light of the Women's Electrical Movement, was the only woman British delegate at the World Power Conference at Berlin. Forty-eight nations were represented, and what struck Miss Haslett most was the rapidity with which the speeches were translated into French and German by the official interpreters. Each member of the audience had earphones, by which the French people were able to listen to the speech in French, and the Germans to listen to their own tongue. During her stay in Berlin Miss Haslett helped to start a German Women's Electrical Association, which will be a child of

THOUGHT FOR THE WEEK.

IF a man has common-sense and character, mistakes are the soundest investments he ever makes. They point the way, sorry sign-posts though they are, as nothing else can.

LOUISE JORDAN MILNE, in
"A Yeinnan Courtyard."

the very sturdy Housewife's Association in which German women are so much interested. She has also been appointed the only woman delegate to attend the Electricity Commission, about to start its work.

SPINACH and vegetable marrow should always be steamed. When boiled they hold so much water that it is difficult to get rid of it all.

A TUNBRIDGE engineer has discovered a new and effective method of killing garden pests—he electrocutes them. With a battery on his back, a ground wire and such things, he walks the garden path toying with fork lightning. A touch of his magic wand, a special copper rod charged with a regulated voltage, caterpillars, worms, aphids collapse, blights die the death. The curse falls from the cabbage, the codlin shrivels in the heart of the apple, and the rose sheds the attacking mass of blight. The electric current is sent through the leaves and stems, destroying everything except the plant itself. The electrocution of the garden pest may solve one of our fruitgrowers' problems.

BRRRRR-R-RH-RH-rh-rrrrrr! Such a noise! Disturbing one's slumbers! What was it? A worn-out motor-bicycle being started up? No, nothing but our electric clock which regulates the hot-water service flat rate, automatically winding itself up. This is a wondrous device, and saves the old-time custom (three years old) of a weekly visit from the "clock winder" from the city council. A silencer can be placed on the motor-cycle, so will someone come forth with one for this disturber of our beauty sleep, or regulate it to wind up automatically only in the daylight hours?

MISS ETTA CARLIN is the proprietress of an electric clock shop in New York, and she is building up a fine speciality business, where anything from a tiny boudoir clock for milady's dressing-table to a massive grandfather's hall clock—all run by electricity—may be bought.

IN planning a small room care must be taken to utilise every inch of space to the best advantage, while avoiding an overcrowded appearance. It is a good plan to make the doors open outward or, if the room is a dining-room adjoining the living-room, to dispense altogether with a door and have a plain arch. Another point to remember is that tall-backed chairs are a mistake in a small room, as they tend to give it a fenced-in appearance. A fitted-in corner sideboard with cupboards below and shelves above makes a considerable saving of wall-space. Whatever lighting the room is to have should be directly over the table, and there are on the market many shaded electric lamps giving the soft effect of candle-light.

WITH gaily-coloured American cloth one can make a number of useful beach gadgets for herself. It is a good idea to make an oil-cloth envelope bag in which to carry home your bathing-kit when it is still wet.

FIFTY leading business and professional American women arrived in London at the end of July to make a tour, organised by the National Federation of Business and Professional Women's Clubs. They were led by Mrs. G. Bowman, from Virginia, whose business career reads like a romance. During the war she offered to sell War Savings Stamps and was later invited to start a women's department in a big banking concern in Virginia. Her flair for advertising led her to join the Expert Letter Corporation—a huge mail-order advertising business in the United States. Later on she bought this business and through her able management the turnover was doubled during her first year as proprietress.

OLD rubber hot-water bags which are beyond repair can be transformed into kneeling-mats for the garden, and being waterproof, especially useful when the ground is damp. Cover them with canvas or sacking, and leave the handle outside so that the mat can be pulled along by it.

SOMETIMES radio enthusiasts will find that battery acid is spilt on the carpet or on their clothes. A good plan is to keep a bottle of strong solution of washing-soda near the wireless accumulator. When a spot of acid falls it should be immediately covered with this solution which will neutralise the acid and prevent it from burning a hole.

NEW carrots and potatoes are much less trouble if they are blanched instead of scraped. Scrub them, put on a pan with cold water, bring to the boil; boil for two or three minutes only, drain and turn into a bowl of cold water. In ten minutes the skin can be easily rubbed or pulled off.

HARMONY between colour and perfume in your rooms is a charming idea for your new house. For instance, if your sitting-room is a dream of soft rose-patterned silk and chintz, have a jar of some old-world pot-pourri to give out the faint perfume of roses. Faded rose and carnation petals, lemon thyme, marjoram and rosemary will produce an elusive and delicious scent. For a bedroom in mauve and grey lavender suggests itself—tiny sachets hidden among the linen and cushions and laid among the contents of the drawers. Toilet accessories, such as soap, bath salts, powder, can all be bought nowadays with the required perfume, and all these combined fragrances will make your house a joy to live in.

FORTY is not the menace that it once was (says Ursula Bloom in the "Queen"). It ought to be the perfect age. Forty has learnt the exquisite delight of simplicities as compared with the complications of modern life. It knows that no ball can ever be as charming as the garden at home on a summer's day afternoon; no banquet so delightful as quiet tea with the ones you love beside you; no cocktail party so thrilling as a serene conversation with one person for whom you really care. If you have staked your all on giddiness and chance, on fun and froth, then forty will be frightening. It is good-bye to much of that. If you are a serious thinker and look forward to a time when you will have the leisure to appreciate good books, the best music, art and higher thought, then forty will be the latchkey to all that life holds best for you.—Dorothy.

ELECTRICITY is doing everything it can nowadays to preserve beauty and health. All modern lighting fittings are designed for attractiveness as well as to rest and preserve the sight. Much use is being made of obscured rippled glass—the glass being cloudy and of a slightly rough texture. By this means a soft light shines through the glass, and the upward directed light is reflected back from walls and ceiling. In a great many of the new theatres, buildings and tea rooms in Wellington we see these lights hanging from the ceiling in three or four-decker formation, with metal supports of oxidised silver of conventional design. This metal softens the hardness of the angular panels above. Some ceiling lights are composed of a number of overlapping up-standing petals, which are held together by a decorative metal ring.

LAST year the woman president of the French Household Organisation League complained bitterly of the unnecessary labour and loss of time caused by the type of house which male architects design. The English housewife is certainly better off as regards labour-saving devices, but these are too often installed as an afterthought in a work-creating house. The idea of using porcelain, aluminium, nickel and similar substances instead of material which attracts dirt, has been taken up by the modern architect only comparatively recently. However, the increasing number of women architects should make the real labour-saving house a rule instead of an exception.—Yours,

ALISON.

Prize Poem Competition

THE prize of half a guinea this week is awarded to "Bashleu" for skilful verses dedicated to the memory of that "tenderest of Roman poets," whose imperishable achievement has survived the passing of two thousand years. The winning poem is away from the beaten track over which Pegasus plods in much of the work we receive, and is an arresting and thoughtful tribute to the continuity of the influence of genius. Although not up to winning standard, we commend "Mount Sefton," by J.R., for able and reverent voicing of the loveliness of the wild New Zealand landscape. "Pan" carols of "flowers and a whiff of the sea" gracefully enough, but we do not care for the repetitive last line.

S.E.F.J. adjoins her fellow-creatures, individually and in bulk, to "Keep Smiling," her verses thus optimistically concluding—
"Just keep smiling and your smile
Perchance may strike some hero's glance."

Why not practise the Mona Lisa smile?

J.V.W. exhorts to faith and courage along life's dusty road, and longs for a golden key to unlock the mystery of the future. A human sentiment, but his verses are undistinguished.

C.S.: Yours was an interesting letter. Although in the sheaf of poems you send none quite reaches the standard required for the prize, your work shows definite facility, and also that imaginative vision essential to poetic expression. From much that is attractive we select for special commendation "Contentment Trail" and the quaint and sweet "Chrysanthemums." We may be able to use the last-named.

Orlando: Twenty minutes in a taxi on a moonlight night would appear to have had a disturbing effect on this poetaster, who sends us some washy verses concerning his companion in that Taxi for Two.

Mary of Argyle: Phrasing and punctuation conspicuous for their eccentricity. The Minstrel: Robust and plain-spoken, but not poetry of either ancient or modern variety.

John Storm: Sorry we have no space for your charming Villanelle.

Prester John: Smooth and plausible, but observation inaccurate.

Ode to Virgil

On the Two Thousandth Anniversary of his Birthday

*TWO thousand fleeting years have sped away
Since thou, immortal poet, the earth did'st greet,
And all the silent gods of night and day
Laid gifts of glory at thy infant feet.
Two thousand years! Yet still the living fire
Of thy deep soul burns bright and steadfastly;
And still thy rolling harmonies inspire
Our lesser poets to immortality.*

*Thy heroes live, though Roman glory dies;
Immortal in thy words their great deeds flame.
And fair Elysian fields of Paradise
Shine with the secret splendour of thy name.
The world the mem'ry of her golden days,
Her age of laughing youth, through thee keeps bright—
But who with faltering tongue can sing thy praise
When Time and Death stand hushed before thy might!*

—BASBLEU.

Home Economics Advice to Housewives

ONE afternoon each week all the New Zealand stations broadcast a home science talk for the benefit of women listeners. Being prepared by the Home Science Extension Department of Otago University, these talks are both authoritative and entertaining.

On Wednesday, September 24, Professor A. G. Strong, head of this de-

partment, will herself broadcast a talk from 4YA, the subject being "Home Economics." This talk will later be broadcast from the other stations as well.

Improve Your Cooking

Valuable Series of Lectures

LISTENERS are very fortunate indeed that a lecturer with the experience of Mr. Frank Hilton, who broadcasts from 2YA, is available. Mr. Hilton, who started the factory of a well-known series of cake shops, has had experience over twenty-five years. At the early age of 21 Mr. Hilton, with 700 competitors in the field, won the prize awarded by the Master Bakers and Confectioners, England, for the best loaf. During his career he has conducted the query columns of the technical publication "The Baker and

*A radio uncle was broadcasting birth-days and good advice at the same time—
"Well, Betty, do you want to get a strong girl? I am sure you do. Then you must not take the milk the doctor ordered you." Wouldn't doctor be pleased!*

Confectioner," so that he is in the position to answer all the questions that listeners are likely to put to him.

On Monday afternoons he broadcasts from 2YA, and is engaged upon a series of lectures that will take listeners deep into the art of good cooking. The first series dealt with the art and methods of cooking in general. Each successive Monday he will take some particular item and deal with it fully. His next lecture will deal with "Pastry, Puff and Short, and Lemon Curd."

The lecturer is proud of the fact that all his recipes are original, and so listeners and readers can be assured that no untried recipe is being given.

Mr. Hilton has decided music talent and conducts a private Wellington orchestra.

Be Warned!

"I HAVE an electric kettle, I have. There is no flaunting pride in this statement. I say it as a man might say, "I have an imbecile aunt," or "I done it."

When the man sold it to me he said: "All you have to do is to plug it in, and there you are." You just plug it in. Oh yes. But the man who put the plug into my house was one of those people who get up "Treasure Hunts" at garden parties.

To plug in our electric kettle you dive under the piano, take the first on the right, third on the left and leap the coal-scuttle. Then in pitch darkness you grope for the plug with the little gadget they fix on the end of the flex. When visitors arrive we say: "Could you tell a few short stories while we boil our kettle?" —Jack Wilde in the "Daily Sketch."

Readers, be warned by this example. Have plenty of hot-points and have them in accessible places.

FAMA

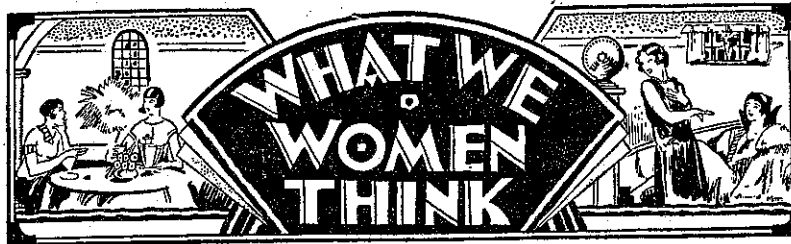
For Bathrooms, Lavatories,
Sink-tops, etc.

FAMA STONEWOOD FLOORING CO., Wellington.

MENTION in an overseas magazine of the fact that a South African needlewoman expresses her love of the artistic in working delightful colour sketches and fantasies in silk reminds me that a Wellington girl friend also has the same taste. Some of her needlework colour sketches are quite charming and constitute most delightful gifts to those of her friends who are honoured thereby.

With her coloured silks this young lady has worked some glorious garden scenes, which, suitably framed, adorn the walls of certain bachelor flats. This art in her case is self-acquired, but the South African artist has had the advantage of training at the Royal School of Art Needlework, London.

This reminds me that some of our country friends are most skilled with the needle. I recently had the pleas-



ure of viewing a splendid exhibition of home craft and needlework which is under the charge of Miss Agnes M. Stops, voluntary organiser for the Women's Institutes. Miss Stops some months ago gave an address from 2YA on the work of these institutes, and since that time, by active and enterprising work in the South Island, has

formed some sixty or more institutions in various country districts. One objective of this organisation is to encourage the development of home skill in various hobbies and crafts. As an indication of what can be done in this direction, Miss Stops has with her a loan exhibition of material supplied by the National Federation of Women's Institutes, London. This material is later to be presented to the New Zealand Federation when formed. No fewer than forty crafts are embodied in the exhibition.

In needlework one of the most interesting examples of skill is a replica of portion of the quilt which was

JOHN MASEFIELD, poet laureate, has written a new book, the first since he received the honour from the King. Masefield has made a study of his fellow-beings and his books are astute studies in human psychology; the characters live as do few others. There is a sympathy and understanding with men of all nations and classes, and round these men he weaves his stories. In his new book, "The Wanderer," he calls on his knowledge of the sea and ships and accomplishes a veritable marvel in verse. A chronicle of one of the last of the great sailing ships, the story opens with the setting forth of the barque Wanderer, how the captain, "warned that the worst is approaching," urges that the

Sun-lit Wattle

GOLDEN drifts
Where the sunlight sifts,
Caught in a cloud of green . . .
Or liquid notes
From golden throats—
These may your blossoms have been.
—Alice Hirst.

Winds

WINDS, the untrammelled
children of the sky,
Coursing with wanton speed o'er
dell and dale;
Ranging in power of breath from
gentle sigh
To raging hurricane and tempest
gale!
All we on earth appreciate your
powers,
As when you lash the sea up with
your whip,
Rolling the thunderous clouds
with driving showers,
Wild sheets of spray, and toss the
struggling ship.
But then again, upon a stormy
day,
You will leap up and force the
great clouds back,
Sweeping the heavens, bent on
your sportive play;
For you have joy and strength
which we all lack.
O light-souled winds, if we could
only be
As great, as powerful, yet as quiet
as ye!

—J.Y.

appointed day of setting forth is his lucky day, and with the handsome ship faces a boisterous channel.

All of the knowledge and cunning of
hundreds of thinkers
Who made from the stubborn the swan-
like and sweeping and swift,
All of the art of the brain that had seen
her in vision,
Had gone into the making her perfect in
beauty and strength.

Her yellow masts raked as they rose with
their burden of yard,

It tells of the storm that rose from
the southern sky; of the snapping of
the cable that held her to the tow steamer,
of the hasty setting sail with a
drunken crew, who hid "anywhere
sheltered and dark to be out of danger,"
of the crashing yards and torn
sails, of the bravery of an apprentice
struck on the head with some heavy
gear when he attempted to clear the
wreckage up above, of the signals of
distress, and the ultimate answers.
But disaster has fallen on the deter-
mined captain.

The swinging mainsail swooped over and
struck him on the head, and later
The Wanderer's captain, George Currie,
died on the table below,
And then and the morning came quietly
in upon sandals of peace.
—Gwendolyn.

ARE YOU A SMOKER?

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

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

FREE sample of PEPTOS

The Great Paw Paw Remedy for INDIGESTION

The **PAW PAW TREE**, most prolific in Ceylon and Fiji, is cherished by the natives because of its digestive properties, the delicious flavour of its fruit, and because tough raw meat, if wrapped in the leaves of the tree becomes tender within a few hours. Scientists have enabled us to separate the digestive properties of the **PAW PAW** fruit and incorporate them in **PEPTOS**, thus affording sufferers from indigestion, acidity, dyspepsia, and other derangements of the stomach the joys of immediate relief.



PAW PAW extract digests 200 times its own weight of starchy or other foods which cause fermentation, so that **PEPTOS** not only gives immediate relief from stomach disorders but actually digests the food causing the trouble. It has a general soothing effect on over-worked and jaded digestive organs, and thus prevents the development of more serious ailments. Do not like many people, think that there is no real remedy for indigestion. One bottle of **PEPTOS** will prove that science dispels domestic fallacies. From all Chemists, Price 3/-.

'PEPTOS'
Speedily Relieves
INDIGESTION

WE GUARANTEE ITS QUALITY and EFFICIENCY

PEPTOS LABORATORIES,
Box 1582, Wellington.

Dear Sir,—Please send me a Free Sample of Peptos. I enclose 2d. in stamps for packing and postage.

Name

Address

R.R.2

given to her Majesty the Queen by the Women's Institute. The original was made of 52 squares of Glamis linen representing the 52 counties of England and Wales, with a wild flower embroidered in each. Working in chain stitch, nine members of the Hampstead Institute each copied one of those squares for the benefit of New Zealand. Other interesting articles in the collection carried by Miss Stops are samples of the traditional smocks of English rural workers and a christening robe of 120 years old. This has been in use for three generations. I understand that a conference of Women's Institutes will be held in Wellington in a few weeks' time and if an opportunity could then be afforded keen needlewomen of seeing this amazing exhibition of skill and craft it would be greatly appreciated.—Hobby.

Covered Roasters

I WAS surprised to hear from a lady that she was not consistently successful with a covered roaster recently purchased. Covered roasters may be used in oil, gas and electrically heated ovens, and it will be found that the meat is more tender and juicy and shrinkless than when cooked in an open tin. In order to brown the outside of meat and to make the crackling of pork crisp, however, it is of advantage to remove the cover during the last 20 minutes of cooking. If the cover is raised so that the lid does not close down properly, much the same browning effect will take place, and the oven will be kept free from grease.

Potatoes may be put in with the meat and the same amount of dripping used as with an uncovered roaster. The same temperature is also required for the potatoes as for the meat.

The following table of temperatures may be helpful to those who examine their thermometers during the cooking. Beef—500 deg. F. for the first 20 minutes, and 360 deg. F. for the remainder. Pork—520 deg. F. for the first 20 minutes, and 370-380 deg. F. for the remainder. Mutton—480-490 deg. F. for the first 15 minutes, and 340 deg. F. for the remainder.

Steamed Beef Pudding

Ingredients: 1lb. of cold beef. 2oz. suet, 2 eggs, 1 teacup of stock (or milk), a pinch of allspice, 2oz. breadcrumbs, little grated lemon peel, $\frac{1}{2}$ teaspoon of herbs, 2 teaspoonfuls chopped parsley; salt and pepper to taste.

Method: Mix the minced beef with the chopped suet, herbs, lemon peel, parsley, and season with pepper and salt. Soak the breadcrumbs in the stock, add the two beaten eggs and mix well together. Turn into a buttered mould, cover with paper, and steam for 3 hours. Serve with tomato sauce.

Yorkshire Pudding

Ingredients: 3 tablespoons of flour, 1 pint of milk, 2 eggs, pepper and salt.

Method: Drop the eggs into the basin with the flour and seasoning, mix a little, add the milk by degrees, and beat up well. The baking tin must be greased. Put about two tablespoons of dripping (from the roast beef) in the tin and make it very hot before pouring in the batter. Bake for 15 minutes. Serve with hot roast beef.

COUNSEL for the COOK

By "ELECTRA"

Norwegian Pudding

Ingredients: 2 eggs, 4oz. butter, 4oz. sugar, 4oz. ground rice, 1oz. flour, $\frac{1}{2}$ teaspoon baking powder, essence of lemon.

Method: Cream the butter and sugar. Mix the flour, ground rice and baking-powder together, beat the egg till light, and add gradually to the creamed butter and sugar. Beat well, then fold in the flour quickly, and put into buttered pie-dish. Bake in a quick oven about 20 minutes, turn into a dish. Serve with wine or jam sauce.

Rich Puff Paste

Ingredients: 1lb. of flour, 1lb. of butter, cold water, 1 egg, juice of 1 lemon, a pinch of salt.

Method: Put flour into a basin and drop the yolk, lemon juice and salt into the middle of it. Mix well, adding cold water gradually till a flexible paste is formed. Secure the moisture from the butter and roll it in a cloth till dry. Roll out the paste until about half-an-inch or so thick, and spread pieces of butter over it with a knife. Fold the edge of the paste over the middle to enclose as much air as possible. Fold again. Dust paste above and below with flour; flour the roller to prevent stitching. Roll the paste again. Repeat the process five or six times till all the butter is used, brushing the paste each time with white of egg to make it flaky. Leaving it for a time in a cool place between each rolling makes a great improvement. Roll out as thin as possible at the last rolling before using. When rolling always roll from you.

Quickly-made Puff Paste

Ingredients: $\frac{1}{2}$ lb. flour, 6oz. butter, a pinch of salt, $\frac{1}{2}$ teaspoon baking powder; water to mix.

Method: Put flour, butter, salt and baking powder on the board, and chop the butter up finely with a knife. Put all in a basin and mix gradually with water enough to make a dough rather

flexible than stiff. Roll and fold over two or three times.

Filling for Puff Pastry

Ingredients: Puff paste, 1 well-beaten egg, 1 cupful of chopped raisins, 1 lemon (rind and juice), $\frac{1}{2}$ cupful of sugar.

Method: Roll the pastry out thin, and cut it into squares. In the centre of each drop a spoonful of the above ingredients, well mixed together. Fold over the corners of the pastry square and bake in a quick oven.

Hints on Pastry-making

BUTTER should be firm and cool, and freed as far as possible from water. Baking powder is used when butter or lard is less than half the weight in flour. This gives shortness and crispness to the pastry. Pastry in which baking powder is used does not keep so well, however, and should be eaten fresh. In mixing add the water very gradually to the flour and mix with a knife. Keep everything as cool as possible.

About 300 degrees F. is the right oven heat for meat pies, 325 to 350 degrees for puff pastry, 280 degrees F. for flamed pastry.

Puff pastry (without baking powder) is improved by preparing it the day before it is baked. Cover it and leave it in a cool place. Roll out and bake when wanted. Do not try to bake pastry in an oven where meat is being baked. To make a rich crust the

proportion of fat (butter, suet or dripping) to flour is lb. for lb. **It** not needed so rich, use less fat.

Cheese Sausages

Ingredients: Half a pound of grated cheese, half a pound of cooked-mashed potato, $\frac{1}{2}$ lb. of brown breadcrumbs, 1 large onion (grated or chopped very finely), 1 teaspoon of mixed herbs, 1 teaspoon of Worcester sauce, 1oz. butter; $\frac{1}{2}$ pint of hot water.

Method: Dissolve the butter in the hot water, add sauce, then mix both thoroughly into the dry ingredients. Divide the portion, shape as sausages, roll in egg and breadcrumbs and fry gently in hot fat until well browned.

Oatmeal and Raisin Buns

Ingredients: Take 1 cup of sugar, 2 teacups of rolled oats, $\frac{1}{2}$ lb. of butter, 1 egg, $\frac{1}{2}$ cup of raisins, $1\frac{1}{2}$ cups of flour, 2 teaspoons of baking powder, $\frac{1}{2}$ teaspoon of salt, $\frac{1}{2}$ teaspoon of cinnamon, ground cloves, and allspice, $\frac{1}{2}$ cup of milk.

Method: Cream the butter and sugar, add egg, raisins and oats, and mix well. Sift the flour, salt, spices and baking powder together and add alternately with the milk, roll out lightly, cut into small pieces and bake in a moderate oven 15 to 20 minutes.

SORE THROAT?

Pulmonas

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$\frac{1}{6}$ a tin all chemists

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Distance	Charge for 1 ton (average contents 4-roomed house):	Charge for 1½ tons (average contents 5-roomed house):
50 miles	£1 17 7	£2 16 5
100 miles	2 17 9	4 6 8
200 miles	3 17 8	5 16 6
400 miles	5 4 5	7 16 8

The through transport of furniture and other goods by rail and sea between stations in the North and South Islands is a special feature of the Railway service.

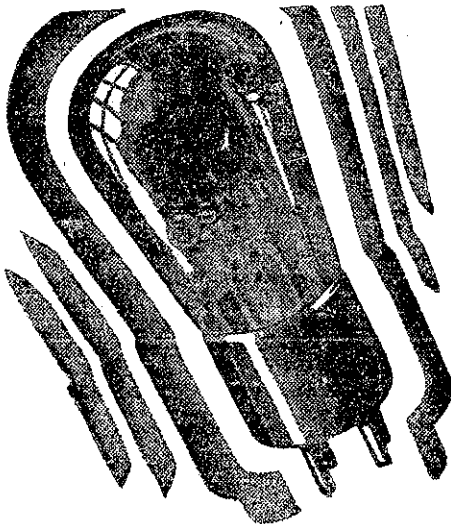
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SPECIFICATIONS:

Fil. Volts . . . 4.0 max.
 Fil. Current . . . 0.1 amp.
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 Amp. Factor . . . 15
 Impedance . . . 3,500 ohms
 Normal Slope, 1.77 ma/volts
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L410

In every way L410 costs you less. It is lower in price. It consumes only one-tenth of an ampere and makes your "B" Battery last longer. The filament is coated in a special manner, thus prolonging its life to an appreciable extent. You can use L410 in any 4-volt battery-operated set for Radio frequency amplification, as a detector, or in the first audio stage. Your dealer can advise you which Osram Valve you need—he knows all the equivalents. If he should not have in stock the Osram Valve you need, it will be sent direct, safe delivery guaranteed. The "Osram Valve Guide"—a useful little book detailing all Osram Valves—is free for the asking.

Advertisement of the British General Electric Co. Ltd.
 Branch Office and Public Showrooms: 31-37 Taranaki Street, Wellington



EDITORS of the future will receive their news, advertisements and pictures entirely by wireless, according to the predictions of an eminent American journalist. He also prophesied that subscribers would receive their journals by wireless, the pages being reproduced on sensitised paper.

A COMMERCIAL radio telephone call made recently from New York to Germany by a German business man occupied thirty-two minutes and cost over £100! Certainly a quick method of spending money.

WHILE performing her recent trials the new White Star liner, the Britannic, maintained constant communication with her builders and owners by means of a 4½ k.w. telephone transmitter.

DR. E. ALEXANDERSON, a prominent American electrical engineer, is of the opinion that television, operating in conjunction with wireless, will some day enable an unoccupied bombing aeroplane to be safely steered until it is directly above its target.

PROGRAMMES from England are now regularly retransmitted with success over certain American station networks. In less than six months the novelty of trans-Atlantic broadcasts has become a regular item on American weekly programmes.

THE Canadian Government has established an inter-communicating chain of four direction-finding wireless transmitters on the Hudson Bay shipping route. These stations are fully manned day and night and broadcast wireless bearings, forecasts and navigation warnings to ships.

AN English periodical, in an article comparing the mode of holiday-making to-day with that of 20 years ago, points out that the quiet serenity of the countryside is no more. "Everywhere one hears the jarring strains of noisome wireless. Everywhere branches, torn down to provide temporary aërials, strew the tidy lanes and woods!"

A REORGANISATION scheme for Norwegian broadcasting, now under consideration, involves an expenditure of £250,000 for transmitters and other equipment.

AT the Second World Power Conference, assembled recently at Berlin, a sympathetic attitude was adopted toward the listener who is troubled with man-made static. After the question of broadcasting had received a generous time allowance for discussion, many delegates agreed that electrical engineers should in future cater for the needs of broadcasting interests.

MANY of the European broadcasting stations fill a large proportion of their programme time with relayed excerpts from the transmissions of their neighbours.

AS a step toward extension of its trans-oceanic service into the Pacific, the Atlantic Telegraph and Telephone Company of New York has applied for a permit to erect a short-wave radio telephone station in California. The first regular service will be to the island of Oahu, in the Hawaiian group.

THE Canadian National Railways recently erected an 80ft. tower for broadcasting a running commentary on the arrival of the airship R100 in Montreal. The tower was erected a short distance from the mooring mast to avoid interference from the vibration of the airship's engines. For the purposes of the broadcast the sixteen stations of the company's wireless system were linked for simultaneous transmission.

THE first "beam" radio telephone to be installed on a ship has recently been added to the equipment of the liner Homeric. During a recent trip across the Atlantic the vessel's radio operators maintained continuous commercial communication with both sides of the Atlantic. The set installed on the Homeric is an adaptation of Marconi's "beam" transmitter, by means of which energy is conserved and directed in a selected direction.

A FRENCH amateur recently sailed from Casablanca, a small seaport on the coast of France, in a 19ft. cutter in which he hopes to reach New York. His tiny vessel is equipped with a short-wave transmitter which derives its power from two 90 volt dry batteries, while a 20ft. wire stretched vertically to the top of the mast constitutes the aerial. Despite the tossing of the boat and the smallness of the radio installation, Paris amateurs have reported the reception of strong and regular signals.

THE American Navy is equipped with a special apparatus for the use of "infra-red" rays, which are claimed to be efficient secret transmitters. They are invisible to the naked eye, and, unlike radio waves, travel in a narrow path. These rays are utilised in an ingenious manner to guard New York harbour. Two parallel beams extend across the mouth, a few feet above the water. As a ship enters or leaves, the rays are broken, giving a signal to the receiver. The order in which they break shows whether the ship is entering or leaving, while the time elapsing between the break of the first and second beams indicates the ship's speed.