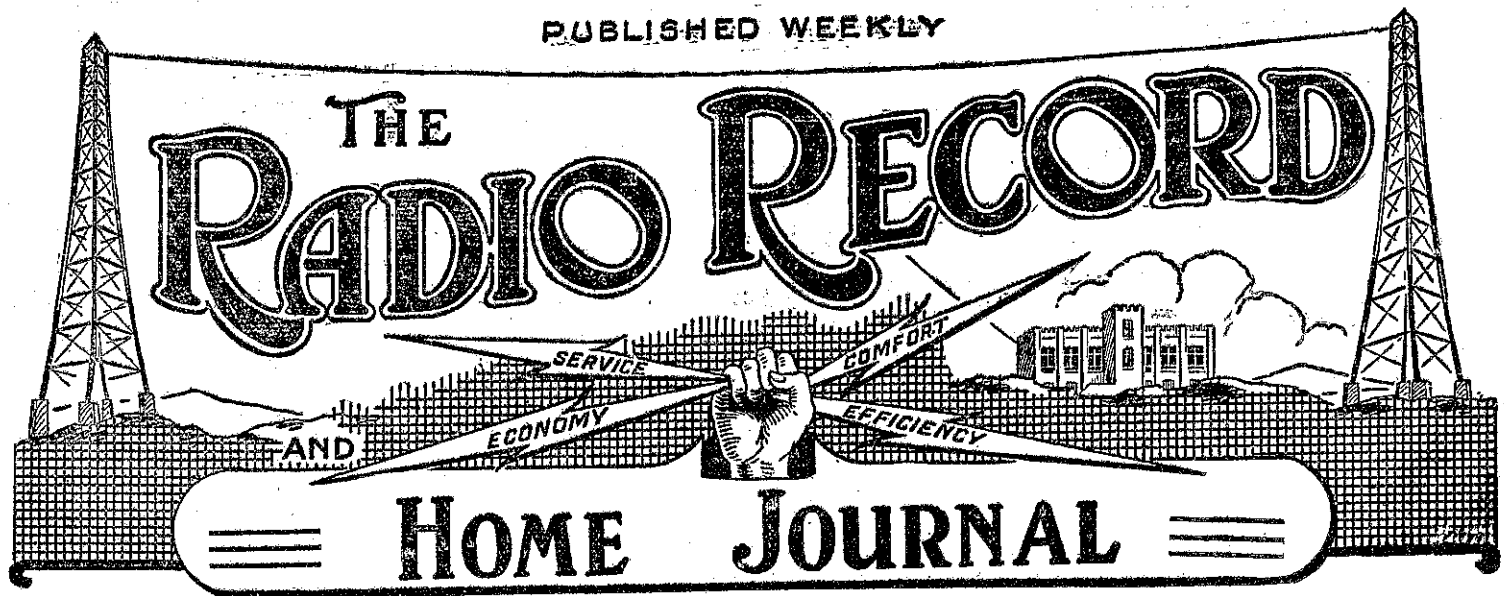


PUBLISHED WEEKLY

THE RADIO RECORD

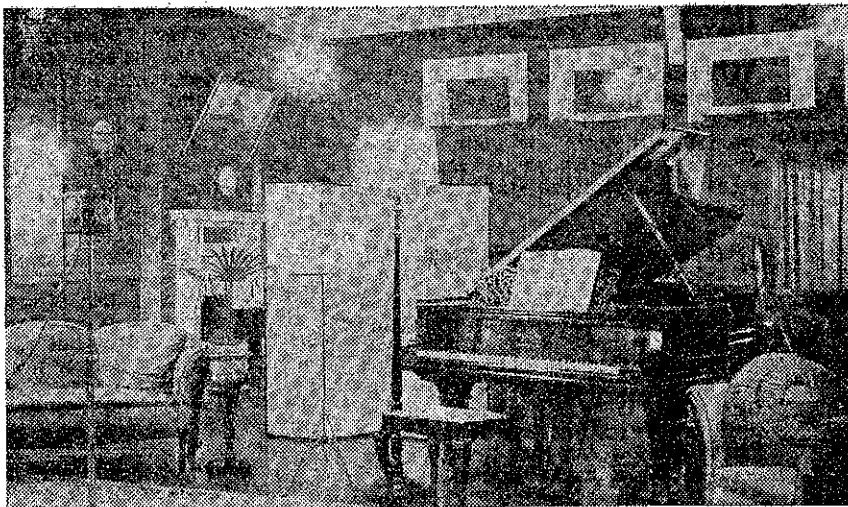


Vol. VI., No. 1.

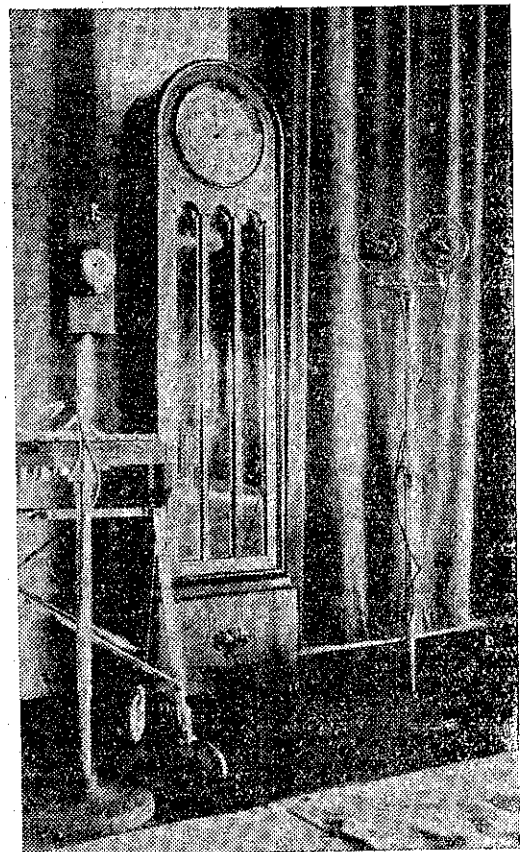
WELLINGTON, FRIDAY, JULY 15, 1932.

Price 3d.

Studios of the YA Stations



Above: 2YA's tastefully furnished main studio. The heavy draperies on the walls ensure the elimination of "echo" effects, which tend to make reproduction hollow and unpleasing. Right: A corner of 3YA's main studio, showing the station clock, whose chimes were once a characteristic of that station's transmissions. They are seldom broadcast now, however, as the chimes from the Wellington Post Office clock, broadcast from 2YA, are almost invariably relayed by 3YA. On the right of the clock is a carbon type microphone, which is now almost completely displaced by the more efficient condenser type, appearing on the left.



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enthusiasts
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The
Radio Record
BOX 1032 - WELLINGTON.

RADIO

Round the World

BUENOS AIRES is to have a new and up-to-date broadcasting station operating on a power of 20 k.w., to give reasonable daylight reception in the city and suburbs.

THE Soviet's appeal to the German broadcast authorities for permission to relay from the Leningrad Opera House has been firmly refused. The objection was advanced that there were no land lines suitable which would transmit all the musical frequencies. It is understood that Germany desires nothing whatever from Russia, and is at a loss to know how to discourage her people from listening to Russian broadcasts.

SALES of receiving sets in Canada last year—the worst trading year known—increased 28 per cent, although there was a decline of 16 per cent. in the sum received by the manufacturer and importer.

BELGIUM has created a Commission for Broadcasting. This was necessary to deal with the activities of private stations, which had overstepped the mark in objectionable references to the various members of the Government, including the Postmaster-General.

A CZECHOSLOVAKIAN doctor, who likes, if possible, to avoid rising from his bed in the early morning hours to attend patients, has fitted up a two-way microphone and loud-speaker system between his bedside and the front door. Patients or their representatives can now obtain the medico's advice with a minimum of inconvenience to both.

THE license fee payable by the owner of a receiving set in Italy has been increased by two shillings per annum. The increase will be allocated to a special fund for subsidising theatre productions of operas and other performances.

SEATS in "L'Orangerie," the municipal gardens of Strasbourg, have been fitted with headphones connected to a central broadcast receiver, and passers-by are invited to enjoy free concerts at their leisure.

BRITISH wireless license figures passed the four and a half million mark in March, and the total is now approximately 4,600,000. This is nearly a million in excess of the figure a year ago. It is expected that the 5,000,000 mark will be reached in September.

WITH the general improvement in land-lines on the Continent of Europe, elaborate arrangements are being made for international relays for the B.B.C. One of the first series will be of first-hand operatic performances from Germany and Austria, the home of opera.

PARIS has found another use for the photo-cell. Fixed to a lamp-post outside one of the boulevard subways is a photo-electric cell by means of which groups of lights in the passage are switched on or off, depending upon the amount of daylight or artificial illumination in the street above. The object of the contrivance is to maintain in the subway an intensity of illumination roughly corresponding to the light outside, so that motorists are not confused by great variations in light on entering or leaving the tunnel.

IT is hoped to solve problems connected with wireless echoes and the possible effect on radio waves of the aurora borealis from the investigations conducted by two expeditions to the Arctic this year. One led by Prof. H. V. Appellton will visit Tromsø, in Norway, and the other, led by Mr. J. M. Stagg, will study meteorology in Northern Canada. Twelve countries are co-operating.

IT has been found that the new B.B.C. headquarters are uncomfortably small for the staff, and already the corporation has been driven to fresh expenditure of £50,000 to purchase the freehold of two neighbouring houses.

WIRELESS is playing an important part in the England-to-Africa weekly air mail service. Seventeen specially equipped wireless stations along the 8000-mile route keep in constant touch with the aircraft while in flight.

FOR the first time in European radio history a really effective protest has been registered by listeners. Fifty per cent. of Denmark's licensees have failed to renew. The station managers assert that the reason is the serious money shortage, while others contend that it is a tangible protest against poor programmes. It is thought generally, however, that the cause lies between these two contentions.

THE safe in an Austrian electricity works is fitted with a loudspeaker equipment which cries "Help" whenever the door is opened. It is rumoured that local Socialists are endeavouring to have the alarm amended to "Help yourself."

AN electrical engineer of Hanover has invented a radio relay device by which a pilot may switch on the aerodrome lights before landing.

AN unusual honour has come to Henry Lee Carter, of Rochester, New York, who is reputed to be the world's youngest licensed radio transmitter. This child of ten years has been appointed an official relay operator of the American Radio Relay League, a distinction held by only 4 per cent. of the total number of licensed amateurs in the United States and Canada.

ABOUT £1,188,000 worth of receivers for motor-cars were sold in the United States in 1931—three times the amount realised in 1930.

RELAYS to German stations of Covent Garden opera, under Sir Thomas Beecham, are to be England's return for similar relays of German operas, which, it is stated in Berlin, are to form a regular feature of future English programmes.

RECENTLY a very perturbed member of the staff of a Paris broadcasting station upbraided an announcer for want of care in his remarks at the microphone. The offender had just announced the formation of a new musical group known as the Mozart Circle (Cyclé Mozart). "Regardez!" exclaimed the clever one. "Free advertisements are forbidden! Who is the maker of this bicycle?"

CANADIAN TELEVISION, LTD., is being incorporated under a Federal charter to engage in the manufacture of television apparatus. The organisation has secured exclusive licenses for use in Canada of patents and equipment of two outstanding groups, the Baird Television Co. of England, and the De Forest-Jenkins Television Corporation of U.S.A. The rights of the Canadian company will include not only all existing, but all future developments.

THE American listener looks with horror upon the license system employed to finance broadcasting in Europe, and fails to understand why anyone should not be allowed to tap the "free ether" without payment. Recognising this obstacle, the Sanabria Television Corporation of Chicago is asking timidly whether listeners would be prepared to pay monthly, a small sum, on the same basis as the gas and electric bills, for the privilege of seeing the world's greatest entertainments and athletic events, as well as the world's news, right in their own homes the minute they happen.

THE social spirit has always been well to the fore in American amateur radio, and clubs of all kinds abound within the ranks of the American Radio Relay League. The most unusual, however, appears to be the Barnyard Club, formed by a group of amateurs in the 9th Radio District. To be eligible for membership a transmitter must own call letters with a zoological significance, and at present the eleven amateurs to qualify hold "W9" call-signs, followed respectively by the letters, BUL, CAT, COW, DOG, DUC, EGG, FLY, HEN, HOG, HOS, and OX. America is not alone in unusual amateur transmitter clubs, however, for Europe has an organisation known as the "Ragchewers." Members qualify for admission by being able to transmit and receive 16 words per minute. Members "meet" on the air at specified times, on each amateur band, and run a little magazine entitled "Ragchewing." A subdivision is the Bed-Haters' Club, members of which usually transmit between 3 and 4 o'clock in the morning.

Hundreds of Queries Answered
in
"QUESTIONS AND ANSWERS IN RADIO."
Price 1/6. All booksellers and dealers,
or Box 1032, Wellington.

We are NOT Crumbling

An Inspiring Talk from 3YA

By Miss Dora West, O.B.E.

Miss Dora West, O.B.E., was a member of the Downing Street Secretariat when Mr. Lloyd George was Prime Minister, and a member of his private secretarial staff in later years. Miss West was also the original first secretary of the League of Nations Union in London. A well-known political speaker at Home, she stood as Liberal candidate for Rotherhithe, London Docks, in the General Election of 1929 in England. Now travelling in this country, Miss West is studying Empire conditions, and learning something of the overseas Dominions.

I WOULD like to explain that I am no high-brow leader of women's movements—the biggest thing I have ever tried to move was a Cabinet Minister or two, as I found them in Downing Street in those difficult years of reconstruction after the War. And that was a full-time job any day, and gave me a taste for trying to take my share in the world's work, as and when I see an opportunity.

To-night I can only give you a brief glimpse of my chief, Mr. Lloyd George—the superman of Europe and the world through six long years of world war, and reconstruction of the mangled map of Europe and our muddled social lives. A vital force in world politics indeed, and do not let anyone be deluded into thinking otherwise, even now. He has a disconcerting habit of confronting critics unexpectedly, and it is illuminating to see how, even when no longer on the Treasury bench, and with a depleted party, none the less the speeches in the House of Commons are made directly to him, rather than to the Government benches—the Father of the House of Commons, he is still the spearhead of the House to-day.

A man of dynamic energy and driving force—without a doubt he has some hidden secret source of psychic energy within, that is not given to ordinary mortals. I have seen him at election time wear down to exhaustion point men half his age, while he remained fresh as paint and full of vim.

When he comes into a room he seems to radiate a vital energy, felt by everyone, friend and foe alike, who comes into contact with him. He is a man vividly alive

in every fibre of his being. His lion head of hair shows it—it shines in the flash and the twinkle of his

eye. He affects one like a strong tonic or sea breeze, and he has great personal charm, very hard to resist, as even his keenest political opponents know, so much so that at times they definitely desire to avoid a personal contact, lest he should sway them against their will!

I have watched with keen interest the effect of Mr. Lloyd G. upon a crowd, and have heard him address many meetings, sometimes to 10,000 people in the open air.

MOST of our political work at Home to-day is done in the open air. The old-time town hall political meeting, with some party patriarch in the chair, cuts less and less ice, and we all, Cabinet Ministers, women candidates and all the rest, do our work out in the open where the crowd can come.

Standing on a balcony behind Mr. Lloyd George, I have watched with keen interest the way in which he grips his hearers. He is not the fiery impetuous orator of popular imagination at all, but rather a quiet, forceful, weighty speaker, dead serious, with flashes of wit and humour, gleaming out every now and then. He begins slowly and very quietly—he logically lays the foundations of his argument, and

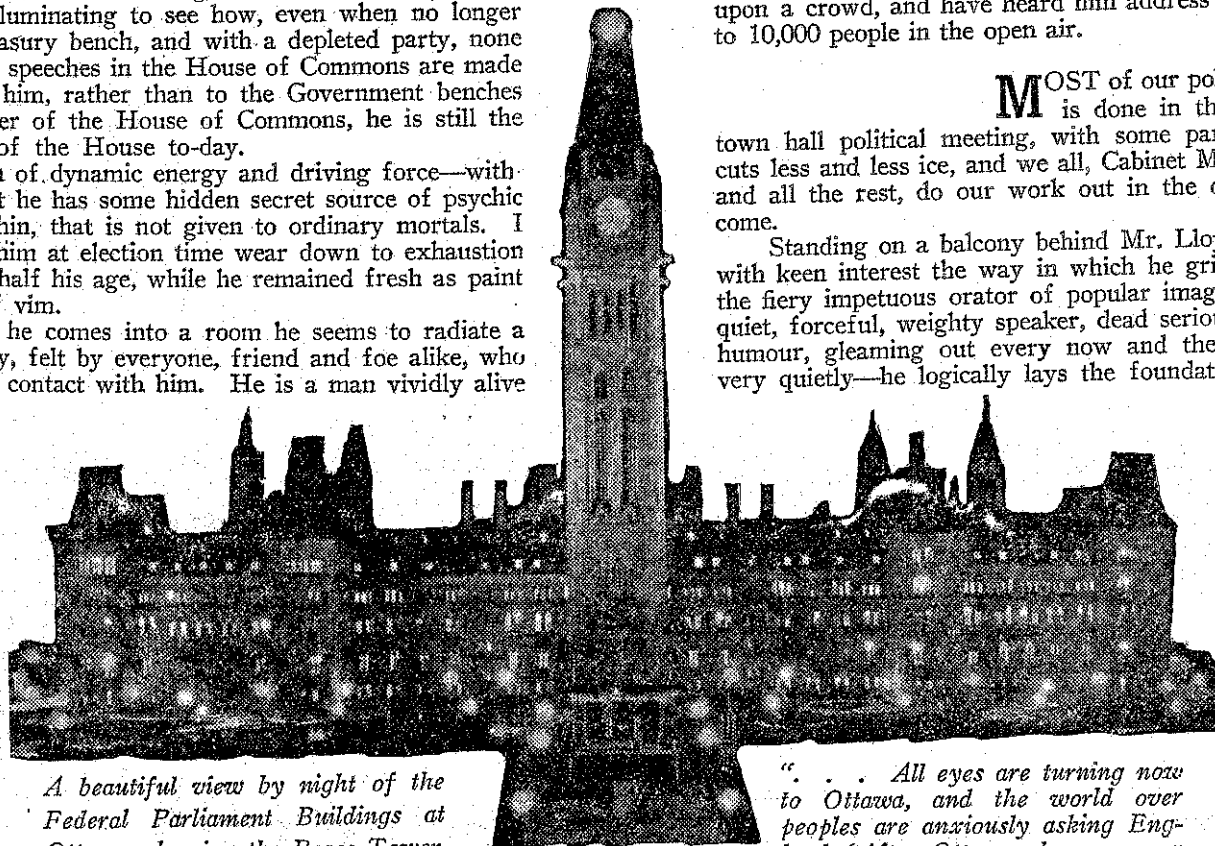
unfolds his theme with telling deliberation. He gets right into the heart of his subject with a quiet emphasis and weight, arresting close attention. He talks in vivid word pictures, directly to the people.

He makes his points with striking illustrations and vivid metaphor—he is a master of brilliant metaphor, and has a rapier thrust of retort and repartee. I have seen the sheer vital force of the man grip every imagination in a great

(Continued on page 5.)

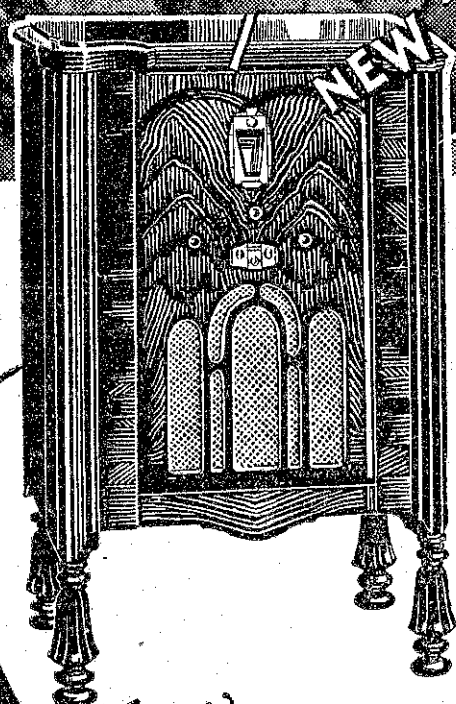


Lloyd George.



A beautiful view by night of the Federal Parliament Buildings at Ottawa, showing the Peace Tower. It is in these buildings that the Ottawa Conference will be held.

"... All eyes are turning now to Ottawa, and the world over peoples are anxiously asking England, 'After Ottawa, do you mean to forget you belong to Europe, too?' ..."



The New
S.T.C.
 RADIO
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BE THERE WITH S.T.C.!

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S.T.C. sets, Console model as illustrated, are priced at £28/10/- to £32/10/-, and a Console model De Luxe at £35. Before you buy any radio, see, hear and test this wonderful product of a wonderful organisation—the S.T.C. Radio Receiver.

**Arrange for a demonstration
 with your local agent**

or write to Box 638 Wellington (Head Office)
 or Box 1897 Auckland

S.W.I; BC; Smooth

The Weather Report and Forecast

by

THE weather is a very variable quantity, and every day there are quite a lot of facts about it, each of which some persons are anxious to know. The majority of these people would be best pleased if we were just to write a chatty little note telling them exactly what they want to know and no more.

But the requirements of different people are so varied that it would take a long time to cater to them all, and during most of that time the majority would be bored by details in which they were not interested. It is not possible for them to switch in only when the little bit they are interested in is coming through. Besides which, weather forecasting has not reached such a pitch of accuracy that the meteorologist, even at the best of times, can say exactly what is going to happen at all places.

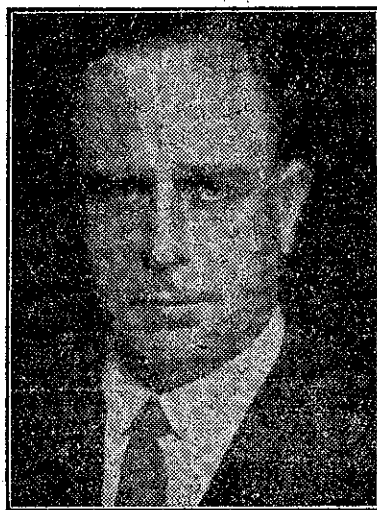
In order to get the report into reasonable compass, then, we have to make use of a certain number of technical terms and forecast only the general features of the weather.

When it comes to giving the weather at the various ports, a kind of shorthand has to be used. Even so, although ships' officers are urging us to include additional stations, city dwellers have lost patience by the time the five minutes devoted to the weather is up, and are dying to get back to their jazz. They, therefore, clamour for the station reports to be cut out.

The quickest way in which to convey an understanding of the situation to anyone with a knowledge of meteorology is to give him as much as is readily possible of the information which the meteorologist himself has received, and then to give the meteorologist deductions from it. And nowadays, it must be remembered, practically all ships' officers have a working knowledge of meteorology, all aviators should have it, and most children are beginning to get it.

MOST farmers have some idea of it, because the weather affects them so vitally. The report begins, therefore, with a brief description of the general situation. The best guide to the latter is the distribution of air pressure in all the surrounding regions. Air pressure is what the barometer measures. I have previously compared the variation of pressure from place to place with the variation in contour of a land surface.

A region of high pressure may be compared to a hill and one of low pressure to a valley, or a basin, according to its shape. The meteorologist calls the pressure hill or area of high pressure an anti-cyclone, and



Dr. S. Kidson

—from 2YA—

the low-pressure area a depression. Generally there is more or less of a ridge of high pressure extending from Southern Australia across to the north of New Zealand. Along this ridge, generally at a distance from each other of about 2000 miles, are larger elevations or anti-cyclones. Between two anti-cyclones is a saddle which leads on the south side to a pressure valley or depression.

Sometimes the valley has several branches, or the first depression is followed by secondary depressions. Now, the important thing to remember is that each of these pressure features has a characteristic system of wind and weather with it, and that they are practically always moving from west to east.

ANYWHERE near the centre of an anti-cyclone the weather is generally fine and winds light. As the anti-cyclone begins to move away eastward and the depression between it and the next anti-cyclone advances, the barometer falls and the wind commences to blow from the north-west, and the steeper the slope of pressure toward the depression, the stronger the wind will be. The sky soon clouds over and rain sets in. Usually it is

confined to districts with a westerly aspect, that is, those which meet the north-west winds directly.

When the barometer has reached its lowest there is a sudden change of the wind to south-west, the temperature falls, and the barometer usually starts to rise rapidly. The heaviest rains are near the trough-line of the depression or the bottom of the pressure valley, as we may term it.

The southerly winds bring most of the rain which falls in eastern districts and the nearer they are to south and the further from west, the better are the chances of rain in these districts. After a while, the next anti-cyclone begins to approach. The wind drops and the weather improves.

Occasionally, instead of the usual valley of low pressure opening to the south, which is our ordinary westerly depression, a cyclone may form in or wander into our neighbourhood. The cyclone is an area of low pressure of approximately circular form, with high-pressure all round. It may be likened to a basin in the mountains. Now, the rain is generally widespread and heavy round a cyclone, and since the winds usually blow from the north-east as it approaches, and from the south-east while it is passing, it brings its worst weather to the east coast. It is often, too, accompanied by fog.

The descriptions I have given are necessary very brief and general in character. As a matter of fact, no two depressions are quite alike. And the winds experienced during the passing (Continued on page 24.)

THE DAILY REPORT

Station.	Barometer, Inches.	Temp., F.	Wind, Direction, Force.	Weather.	Sea.
Cape Maria	2964	59	W.	6 B	R.
van Diemen	2957	56	W.S.W.	3 BCP	R.
Auckland	2952	58	Calm	BCM	R.
East Cape	2953	52	E.S.	2 CG	S.
Cape Egmont	2960	46	E.	5 O	R.
Farewell Spit	2973	47	S.S.E.	2 O	
Wellington	2968	45	S.W.	3 OMR	C.
Cape Campbell	2962	51	S.	2 BC	M.S.
Greymouth	2976	43	N.	4 C	M.S.
Akaroa	2975	43	S.E.	1 O	S.
Lighthouse	2983	37	S.	2 B	M.
Puysegur Pt.	2976	59	S.W.	2 B	
Chatham Is.	3015	—	S.	3 B	
Sydney					
Hobart					

Abbreviations.—R, Rough; S, Smooth; C, Considerable; M.S., Moderate Swell; M, Moderate.

Editorial Notes

Wellington, Friday, July 15, 1932.

CAPTAIN ECKERSLEY, formerly chief engineer of the British Broadcasting Corporation, is now in Australia and has made certain references to the system of broadcasting in that country. He is surprised, it is stated, that Australia has forsaken the long waves (above 1000 metres) for the medium ones, which it is claimed are not nearly so efficient from the point of view of national broadcasting. It would be a wise move to adopt long-wave broadcasting, declared the captain, though it would necessitate a gradual transition. Big issues are involved. Australia and New Zealand have developed along American lines, both as regards broadcasting and receiving, and to introduce the English system at this late hour would mean setting in motion a long series of changes. But if long waves would be more efficient for broadcasting purposes, the sooner the schemes are put in hand the better.

HERE and in Australia the superheterodyne set is favoured, while in England and the Continent this design is not popular. The superheterodyne could quite easily be used for reception of long-wave broadcasting, but for some reason or other it has not been used to any extent. The sets now in use could be converted for long-wave operation in much the same way as they are used to-day for the reception of short waves—by adapters and converters—so that the introduction of the system would not render useless the sets now in operation. Dual wave broadcasting complicates matters and tends to make sets dearer, and the home constructor would find that coil con-

struction would occasion him some difficulty. Probably many excellent lines of British parts would find their way here. It seems, when all things are considered, that, were the New Zealand and Australian stations to change over to long wave, there might be a general change over to British methods and probably to British goods, though the American standards would not be useless.

EVEN supposing that the long waves are better for local coverage, it is not surprising that they have not been adopted in the States. In that country broadcasting started on the medium waves, and as more and more listeners and stations were added, the need for wide coverage was not so acute. For one station to make the change would mean simply that it would not be listened to, and it is not surprising that the long-wave station has not appeared. Now it has gone rather too far. Hundreds of stations cater for the American radio public, and each receiver generally has the choice of several "local" programmes. Why, then, worry about maximum coverage efficiency? In England and other countries where broadcasting is unified, and it is desirable to restrict the number of stations, the maximum efficiency has to be obtained, and listeners are more or less compelled to bring their radio sets into line—for their own good. At the moment it is impossible to say whether the long-wave station would be desirable or not. The Coverage Commission went into that question, and its report will indicate its opinion in this direction. In the meantime Captain Eckersley's remarks are of more than passing interest.

THE formation of a New Zealand Radio Institute denotes another step forward in wireless history. The grouping together of experts is highly desirable, and such groups are found in almost every calling. Their function is generally that of raising the status of their members, the elimination of unethical practices, and the dissemination of ideas. Radio institutes are to be found in most countries where radio is established, and association with them is considered generally to establish the identity of the technician. It is im-

perative, therefore, that the Institute should not open its doors to any but thoroughly qualified men. It is likewise imperative that such an institute be not parochial. Admittedly it must start at some point, with one man or group of men, but if it is to be of real service and to have real standing it must expand beyond the confines of the town of origin. The foundation of such a society should not be a sign for the formation of similar societies in other towns, for if this were to happen the public could recognise none.

In Phase and Out

By "Quadrant"

WHILE listening in the other night, I heard what I took to be the broadcast of an aeroplane in flight, but they tell me it is only 1YA's carrier.

2YA'S surprise item last week was one out of the box—you heard it, I presume. After that I am convinced that our announcers want untying. Radio should be humanised, and by that I do not mean Americanised.

WHEN I heard the little finale of surprise item, I felt that all listeners were rising and calling "Bravo, we want Mr. Heigh ho." It must be possible, surely.

I AM still at a loss to know what America was celebrating on the "Glorious Fourth"—Independence Day or gum-dipped balloons. All I heard of it was a re-broadcast of KKW from 2YA.

YOU remember my joke about the announcer and his wife a week or so back. It evidently appealed to one of our commercially-minded readers, for it was duly entered for the 5/- prize that "Spark" holds out to aspiring humorists. It would not have been so bad had it been left in the original form (I feel quite modest about it), but it was changed just enough to make the joke fall a bit flat. What a nerve!

THEY tell me "Patricia's" columns are of feminine interest so in order to keep up conversation with a housewife of my acquaintance the other night, I mentioned the women's columns of the "Record," which was lying within sight. "They are quite interesting," she remarked. "But some of the recipes are a bit off at times," and she picked up the paper. After a moment she read out: "Apple and Ham Casserole," which I thought sounded very nice, and then: "Add one teaspoon of onion juice." How are we going to get that? My efforts at making conversation fell flat after that, for I am still wondering how many onions make a teaspoonful of juice.

SPEAKING about onions reminds me that somewhere recently I saw that the electrical pressure of an onion is one-twentieth of a volt. Country listeners who experience charging diffi-

culties should be able to get their "A" current from a bed of these vegetables, planted outside the drawing-room window.

"THE broadcast will begin at 3 p.m.," says a newspaper. Evidently a 20th century version of a well-known biblical allusion.

FOR straight-hitting, convincing delivery, and sincerity, I pay my respects to the Sunday morning preacher at 2ZW.

STATIC in radio reception is like a mother-in-law in married life—only you can't switch the latter off so easily. After all, there is a lot to be said for the crystal set.

"IS your wife fond of listening-in." "Not half so much as she is of speaking out."—"Answers."

COURTSHIP—He broadcasts; she listens-in. Honeymoon—She broadcasts; he listens-in. Now—They broadcast; the neighbours listen-in.

"TO which station do you listen most?" I asked a friend, who had recently bought a new set, which, according to the salesman, was capable of great things. Imagine my surprise when he earnestly replied, "To the local power station." Without doubt, this power interference question is one of some magnitude.

A RUMOUR is circulating that there is a possibility of a New Zealand radio convention at which representatives of the different branches of the science will be gathered. If they want to do business the following branches should be limited to one representative each:—The dx club, the amateur transmitters, and the short wave club. Otherwise I pity the "Record's" reporter if this paper "covers" the convention.

I AM sorry the powers that be have decided that radio exhibitions are superfluous. This country is the only one where radio is developed to any extent that does not have its radio show. Although new models are little different from the old ones, there are yet many points that the public will be interested in. It needs effort to organise

ILLUSTRATE Your Goods and SELL Them

Those who buy for the home, farm, office or factory have one thing in common. They usually buy the things that look best for the price. Whether their buying is influenced by newspaper advertisement or catalogue they purchase the goods pictured and described to the best advantage.

Your product can be successfully pictured if you use "Dominion" illustration blocks. Made by craftsmen who know how to produce the best results for every class of printing, they give unusual satisfaction. Let us help you with your illustration problems.

"The Dominion" Process Engraving Dept.

WELLINGTON

Day and Night Service



one of these shows successfully, and it seems that someone is frightened of the work involved.

"YOU were game to say what you did about the carillon last week," I was told during the week. It was true, but the carillon is a national memorial, and as such 2YA can but do little other than broadcast it." Like the southerlies, it is part of Wellington's constitution, and must go over to let listeners know it is really 2YA that is broadcasting.

I WAS glad arrangements were made for Will Bishop to broadcast again his little turn about the carillon. It is one of the finest things of its kind that has gone over the air for some time.

THERE are great possibilities ahead of the recorded talks, and their inclusion in the programmes is thoroughly justified, but danger lies in the introduction of too many talks in the evening concert. The B.B.C. have introduced them ad lib., and they become to the English listeners like advertising is to a growing section of the American listeners. They are much tilted at in the columns of English magazines. One writer sets his grouse to verse:—

OH, THOSE TALKS.

Talk; Talk! Talk!
Till the brain begins to swim.
Talk; Talk! Talk!
Till the eyes are heavy and dim.

Recitals, the weather and news,
Topical talks and such themes,
O'er highbrow stuff I fall asleep,
To synopsize them in my dreams.

We Are Not Grumbling

(Continued from page 1.)

crowd—I have seen him hold spell-bound as by some magic charm every mind and eye present as they listened.

I remember one such occasion on a coalfield in the Midlands during a by-election. As Mr. L.G. stood looking down at the sea of faces upturned to him on the balcony from which he was to speak, he said, "Ha, I see I must take off my coat to this!" and suited the action to the word, and a closely reasoned speech on the coalmining situation followed. As I made my way through the dispersing crowd in the market square afterward, I listened with interest to the passing comments—all seemed deeply impressed, to the point of quiet seriousness, and I heard one young collier say to another, "Seems to me we shall have to get back to old-fashioned politics again yet." That great crowd went home to its tea that Saturday evening thinking, and when we won that election by a narrow margin, I felt I knew whose good work had done the deed.

I remember still one phrase of his that afternoon—"We never get all we want in life all at the same time."

[We regret that owing to pressure on space the remainder of this talk has to be held over till next week.—Ed.]

THE 1932 GUIDE and CALL BOOK 160 pages crammed with useful and interesting matter. On sale everywhere 2/6, or 2/10 posted. Box 1032, Wellington.

Dunedin Symphony Orchestra

4YA to Broadcast Concert

AN important musical event is scheduled for 4YA, Dunedin, on the night of July 20, when the southern station will relay from the Town Hall Concert Chamber the performance by the Dunedin Symphony Orchestra.

This orchestra—a highly efficient combination of all the best musicians in and around Dunedin, aims at presenting to the public programmes of mixed classical and popular items in an earnest attempt to increase the interest in orchestral music in that city.

Monsieur de Rose, who has been appointed conductor, was specially engaged in New York to come to Dunedin to take charge of the Octagon Theatre Orchestra. Prior to this he was in charge of some of the leading picture theatre orchestras in Canada and America, including those at the Rialto Theatre, (New York), the Strand Theatre (New Orleans), the Capital Theatres (Montreal and Toronto). While in England before the war he was conductor of the East Lancashire Symphony Orchestra.

After spending a few years in Dunedin conducting the best professional orchestras there, Monsieur de Rose went abroad, appearing in America and Europe and on the Continent. He afterwards returned to Dunedin to take over the Empire Theatre Orchestra, which he trained and conducted until the coming of the talking pictures forced the management to dispense with the services of the band.

It is interesting to note that most of the distinguished conductors of famous orchestras in all parts of the world are stringed instrumentalists. Monsieur de Rose is himself a violinist, and this accomplishment is of great benefit, as it has taught him to appreciate the technicalities which have to be observed in the string section—the most important part of the orchestra.



Monsieur B. L. H. de Rose

as a poem by Augusta Mary Holmes, who afterwards set the music to be performed to the verse. Augusta Holmes was perhaps the most famous French lady composer, writing most of her works in the United States. At the musical competitions in Paris in 1878 she was placed second to Dubois and Godard. "Andromeda" was first played by the New York Symphony Orchestra in 1921, the orchestra then being under the direction of Walter Damrosch. Since then it has been successfully performed by the Chicago Symphony Orchestra, the Philadelphia Symphony Orchestra, and many other leading symphony orchestras in America and Europe. With the programme given out to those in attendance at the concert in the Town Hall Concert Chamber will be presented a printed copy of the words of the poem, so for the benefit of those who cannot attend it is published on page 6.

The programme will open with a composition by the conductor entitled "Mageda, Queen of Sheba," and will be followed by the symphonic poem "Andromeda," Saint Saens' "Marche Heroique," Chopin's "Nocturne, Op. 48, No. 1," "Gypsy Rondo" (Haydn), and a fantasia from Boito's opera "Mefistofeles" will comprise the other numbers on what should prove to be a very popular programme. Vocal solos and duets will also be given by Miss Lillian MacDonald and Mr. James MacDonald, soprano and tenor respectively, the orchestra accompanying their singing.

Announcing the Announcers

THE Breslau station is the first German station definitely to have abandoned anonymity in its announcers. At the beginning of each day's

programme the names of the acting announcers are stated, with the exact hours when they are on duty. It is understood that all German stations may adopt this procedure, which has lately given announcers more freedom to develop "personality."

Australian Broadcast Reforms

British Expert's Views

THE suggestion that the wavelengths of the Australian broadcasting stations should be raised to somewhere between 1000 and 2000 metres instead of being concentrated between 200 and 575 metres was made by Captain P. P. Eckersley, formerly chief engineer of the British Broadcasting Corporation, who is now visiting Australia.

Captain Eckersley declared also that Australia's national broadcasting stations were of far too low power, and that instead of employing from 1 to 7½ kilowatts, about 50 kilowatts or more should be used.

Captain Eckersley speaks with authority. He conducted the first broadcast in Britain in 1931, and as head of the experimental section of the great Marconi Company established the first regular broadcasts in England, attending personally to the transmission, and also himself providing most of the programme. He joined the British Broadcasting Corporation at the inception of public broadcasting, and until recently was its chief engineer. To him undoubtedly credit is due that the technique of British broadcasting is the best in the world.

When every European country started broadcasting and a tangle of overlapping wavelengths ensued, it was Captain Eckersley who, through the B.B.C., drew together representatives of the nations, formed the International Radio Union, and allocated 100 wavelengths to the 28 broadcasting countries of Europe. Another of his contributions to radiocasting was the establishment of the regional scheme in Britain by means of which every listener has the choice of at least two programmes within easy reach of his set. "All this in spite of the opposition of the British Postal Department," observes Captain Eckersley reflectively. "British postal officials opposed our regional scheme, they opposed the establishment of high-powered stations, they opposed the establishment of long-wave broadcasters, and had to admit, in the end, that all these things were right."

Captain Eckersley has come to Australia on the invitation of Amalgamated, Wireless, the semi-Government national wireless organisation, to study the conditions of radio. He stated that already he could see that broadcasting in Australia has grown in a haphazard way. He considered a mistake has been made in not utilising longwave broadcasting. Experience has shown him—and everyone in Europe was now convinced—that the long waves were of fundamental importance. It was a great pity that Australia had eliminated the long waves without full investigation. It was a country of great distances and the signals of longwave stations were much stronger at a distance than those of shortwave stations.

In reply to the questions, "What about the inconvenience and expense to the public of changing back to long waves? What about the cost of buying new receivers?" Captain Eckersley stated that the reintroduction of long waves could only be made gradually. Listeners would eventually obtain new receivers to accommodate themselves to the change and they would find that the trouble was well worth while.

Radio Institute Formed For Wireless Experts

IN order to raise the status of New Zealand wireless experts, the New Zealand Radio Institute has been formed. The Institute aims to bring together those technically engaged in radio, to protect its members and their profession.

An inaugural meeting was held last month, when it was unanimously decided by a large number of those interested that such an Institute should be formed, and on July 6 the first meeting of the newly-formed Institute was held, Mr. J. Bright presiding. Details of the previous meeting at which the constitution was adopted were outlined and the chairman explained that the society was now incorporated and the remaining formalities would be completed within the course of the next two or three days.

It was intimated that it would be futile for the Institute to set its own standards. It was seeking to co-operate with the Public Works Department and, in doing this it recognised only the standards laid down by them, i.e., the Radio Serviceman's Examination, or its equivalent. In order to help those professionally engaged in radio but who had not yet acquired their full status, it has been decided to form two grades, a members grade and an associate grade to which there was no examination entrance requirement. In order to provide a definite operation basis between the Institute and the Public Works Department, arrangements were being made for a representative to interview the chief electrical engineer of the department.

Letters were received from the Stamp Department concerning the finalising of certain formalities, and from Messrs. A. B. Downes, E. E. Olivecrona and J. R. Howard, making application for membership.

Following the enrolment as members of all those who were present and eligible, the following officers were elected:—

President, Mr. Charles Ruscoe, Asso. I.R.E.; vice-president, Mr. Allan Webster, Asso. I.R.E.; secretary, Mr. Colin W. Smith, B.A., Asso. I.R.E.

Technical committee: Messrs. C. E. Billing, C. G. K. Fear, J. G. Henderson, K. T. Wilkinson, R. Slade and Megann. Finance committee, Messrs. R. B. Fowler, A. P. Anyon, F. Duggan, W. S. Green and W. C. Whiteford.

The Constitution.

THE constitution provides for operation throughout New Zealand, and it is hoped to bring together all those professionally interested in radio with a view to achieving results of benefit to members as a whole. The constitution requires that every intending member shall be nominated by two members of the Institute, but in order to overcome the difficulty existing while the Institute has insufficient members to make this practicable, arrangements are being made by the executive to arrange the nomination formalities for those situated out of Wellington who desire to become members. It is necessary for them only to make application to the secretary stating their qualifications. The subscription fee has been fixed at 10/6 per annum for full and associate members, but provision is made to admit anyone under 21 to either grade for 5/-. It being necessary for them to pay the full fee after they reach the age of 21. All ordinary

Latest License Statistics Over 70,000 in Force

THE following return from the Post and Telegraph Department showing the number of radio licenses in force on May 31 last, reveals an increase of no less than 7,000 in one month. The grand total on April 30 this year was 63,224.

DISTRICT.	CLASS OF LICENSE.				
	Receivers	Dealers	Transmitters	Experimental and Special	Free.
Auckland	19,438	255	109	—	100
Canterbury	10,902	161	119	1	42
Otago	8,989	132	74	1	31
Wellington	20,449	417	202	4	56
Totals	68,778	965	504	6	229.
Grand Total.....70,482.					

'Andromeda and the Storm King'

(See article on page 5 on the Dunedin Symphony Orchestra Concert.)

*Proclaimed is the oracle! The Royal victim,
The blanched Andromeda, fettered to the pitiless rock
By the sea-nymphs' cruel hands
Is given as a prey to the monster of the deep.*

*In the dark, the fierce black waters rise;
The pure-hearted virgin mingles her wild cries
With the thunder of Poseidon, King of the Storm,
Pleading to be spared her life, for cursing the gods.*

*With her closed eyes, where the frightful dream is painted,
She sees the wraith of Hera.
The approach of the dragon,
The glaucous billows of the sea affrighting the shore.*

*Woman, lift up your eyes! Beyond the deep azure,
From on high, everywhere, beyond the stellar night,
A light hastens toward the earth,
Swift as an arrow springing from the bow.*

*Nearer! Nearer! a thousand bespangling sparks!
The light pierces the clouds! O vision!
Glorious and terrible! Transcendent fulguration!
Gleaming swords! Joyful calls! Flapping wings!*

*With golden helmet, resplendent armour,
Swinging Pallas's sword, and riding Pegasus,
Before the virgin, with eyes revulsed with rapture,
Perseus, the liberator, descends,*

*The monster, quivering with hideous frenzy,
Pounces upon the calm hero and his divine steed!
But Pallas had sharpened the sword of justice,
The ocean is empurpled, and the dragon expires.*

*The night, now blue and full of stars,
Andromeda, pale with hope,
Feels the chains falling from her beautiful, unveiled body,
Softly touched by Kronos's trembling hands.*

*The hero lifts the virgin upon the wings of Pegasus,
To carry her away to the distant fields of the sky.
Amid flowers of lights, and flames of bliss,
The lovers are crowned with eternal happiness.*

Agricultural Talks New Series from 4YA

LISTENERS generally, and particularly those in country districts, will extend a warm welcome to Messrs. Tennent and McCaskill, who are at present preparing a series of agricultural talks for broadcast through Station 2YA.

The instructive dialogues arranged by these two gentlemen were a feature of 4YA's broadcasts last year, and there were many, with no interest whatever in farming matters, who tuned in to 4YA for the sole purpose of enjoying the witty exchanges between these two gentlemen, with the lifelike background of noises peculiar to the farm.

At the moment a definite date has not been finalised for one of these dialogue talks, but Mr. McCaskill commenced the series on Wednesday, July 13, with a review of the Journal of Agriculture.

Coming Improvements Policy Pronouncements

AN indication that listeners will not have to wait much longer for the important policy pronouncements, was given by the general manager of the Broadcasting Board, Mr. E. C. Hands, in Auckland at the week-end.

Mr. Hands explained that so many and varied problems had to be faced by the Broadcasting Board that it had been impossible, prior to this, to issue a policy statement giving listeners definite ideas of what the future held for them.

In the circumstances, listeners had been very patient, and the board appreciated their patience. It was hoped that, following the board meeting on the 21st of the current month, Mr. Vickery, the chairman, would be able to make a number of pronouncements which would be welcome news to listeners.

The board and its staff were facing big problems, and were tackling them with a view to providing more than a mere hand-to-mouth scheme. The response of listeners to the questionnaire, and the report of the coverage commission dealing with means to provide the best listening facilities for the whole Dominion, would assist greatly in this.

Until the policy of the board was announced, as it would be at the earliest possible moment, Mr. Hands explained that he was not able to disclose what was contemplated. He mentioned, however, that it was now possible to co-operate fully with the P. and T. Department, and to secure at times the use of some of their special plant to assist in overseas rebroadcasts. An example could be cited from last Saturday week, when the Department's special telephony receiving set at Mount Crawford was used for picking up 2ME, describing the New Zealand-Australia Rugby Test, with the result that 2YA was able to put out an excellently received story.

The possibilities of rebroadcasting overseas programmes were being explored thoroughly, to the eventual benefit of listeners, though it must be remembered that these, more even than local programmes, were costly, and the whole financial position of the board was not yet finalised.

meetings of the Institute will be held in Wellington, in such place as may be determined, and members will be posted at least seven clear days before the date of the meeting. Special meetings may be held at any place which may be convenient. Application for members and inquiries should be made to the secretary, P.O. Box 1134, Wellington.

STATIC

by
"SPARK"

THE many old residents of China now resident in New Zealand would not have been greatly surprised to hear Mr. C. S. Macpherson (1YA), when speaking of the "Domestic Life of the Chinese," state that it was estimated that Canton had a population of 15 millions. When I knew this human warren first, 25 years ago, I was told that it had 20 million inhabitants. When I came to know it better, and came in contact with more creditable informants, the number evaporated considerably, and in the 20 years that I knew it I doubt if the population ever exceeded one and a half millions. The most amazing thing about Canton is that so few can make so great a stretch, but probably working upon the lines the Chinese do with some of their comestibles, that "more stink more better," they may have tried to make Canton the most alluring city in China. I cannot see a Canton with so large a population increase in a few years. It is because the hive cannot grow much that the Cantonese are found in every part of the world. He has to emigrate to live, and he would be just as much a foreigner in other parts of China as he is elsewhere! There are few cleaner in their person than the Chinese, but they do love a fearful smell.

MR. MACPHERSON asserted that many wealthy Chinese had eight to ten wives. That's a new one to me, and I am unable to picture the immutable East changing so rapidly that the strict marriage customs are no longer observed. I know many very wealthy Chinese—some of them sterling multi-millionaires—who have more than one wife and a number of concubines, but I do not know of one who has eight wives. A Chinaman with eight wives would not merit the respect of his fellow-countrymen, and any Chinaman would rather have that than more wives than custom allows. It was stated, too, that wives were purchased for from fifty dollars upward, according to the size and stamina of the bride-to-be. Bulk as a virtue in their womenfolk is also news. No one appreciates the "chic" in women more than the Celestial. He is not a savage, and his civilisation has stood for over three thousand years. Buying and purchasing are terms that should be qualified when used in connection with the acquisition of wives in China. A woman may be purchased, perhaps, but not a wife. The Chinaman is not a barbarian. His greatest desire is that his progeny shall worship at his tomb, as he himself has worshipped at the tombs of his forefathers.

The Best Par.

"KILOCYCLE," Taumarunui, wins 5/- this week with the following true story:—

"Last Sunday evening, just about tea time, I set the dial of my set to 3YA and switched on. The valves take about 15 seconds to warm up, and during this warming-up interval, a knock came to the door. I stepped to the door, and just as I opened it, my loud-speaker boomed forth, "Come in." Needless to say, my visitor was astounded at the vehemence of my welcome, but I was able to inform him that it was merely the 3YA children's service being broadcast, the speaker having quoted the biblical exhortation: "Lift up your heads, O ye gates, and be ye lifted up, ye everlasting doors, and the King of Glory shall COME IN."

"Spark" awards a weekly prize of 5/- for the best original par. Address "Spark," Box 1032, Wellington.

REFERENCE to the sampan life recalls that one quarter of China's immense population lives on the water. The sampan dwellers are a race apart. They are born and live all their lives in their little sculling boats. The "household" paraphernalia often contains the ubiquitous pig, a few fowls, a canary, and a box garden. The wee toddler who flounders about the sampan soon learns to swim, but until he does he has a gourd strapped to his back to keep him on the surface should he get out of bounds. This floats him face downward, but in sight, usually long enough for his rescue. Should he drown, however, his parents look upon the catastrophe as one in which "joss" has made a claim, and if the gourd could be conveniently strapped in front, it would not be done, as the gods are expected to get a fair deal. It is among the sampan people that the pirates exist, and even to-day, right in Hong Kong harbour, the honoured profession of piracy still thrives.

FURTHER news is that when a man becomes wealthy he often allows his fingernails to grow long. The custom has nothing whatever to do with wealth. Many extremely poor Chinese gentlemen have fingernails six to eight inches in length. It symbolises peace and culture, for none of the owners of these horrible-looking appendages could do much in the navying line, and most of them, I think, scorn the man who has profaned his faculties to become wealthy. The assertion that when a Chinaman becomes rich he allows himself to run to fat and endeavours

to develop a corporation is near enough to being correct. Actually it symbolises the contented mind, without which the tummy cannot expand. When it attains a reasonable circumference, the owner pulls his shirt and singlet up under his chin, for the better view of the protuberance to proclaim to all the world that the contented mind has developed a huge paunch in which to stow a large amount of the good things that Mother Earth has to give. There is profound depth in this philosophy if one sees from the proper angle. I thoroughly enjoyed Mr. Macpherson's talk, and I will be on to 1YA when he broadcasts again, for I am not yet certain if someone has been pulling his leg or if he is trying to pull the listeners' legs.

NOTHING makes one wish to play a musical instrument more than listening to chamber music, and when the "Wellington Chamber Music Players" gave, from 2YA, Mendelssohn's "Trio in D minor, First Movement, Allegro and Agitato," there must have been many fingers sympathetically tingling. I notice we are to have more chamber music, and this will hearten the many who feel they have a surfeit of fully orchestrated compositions.

A RECENT visitor to Paris states that on the train journey from that city to Calais he did not see one aerial. Even in the city itself aerials were conspicuous by their general absence. It is not contended that along the railway route there

are no listeners, but the outward signs are that the French are too busy nursing hypothetical wrongs to enjoy themselves. If listeners were really numerous it might be worth while for some celebrity to tell them how unprepared they were for the war, through speculation and unashamed corruption.

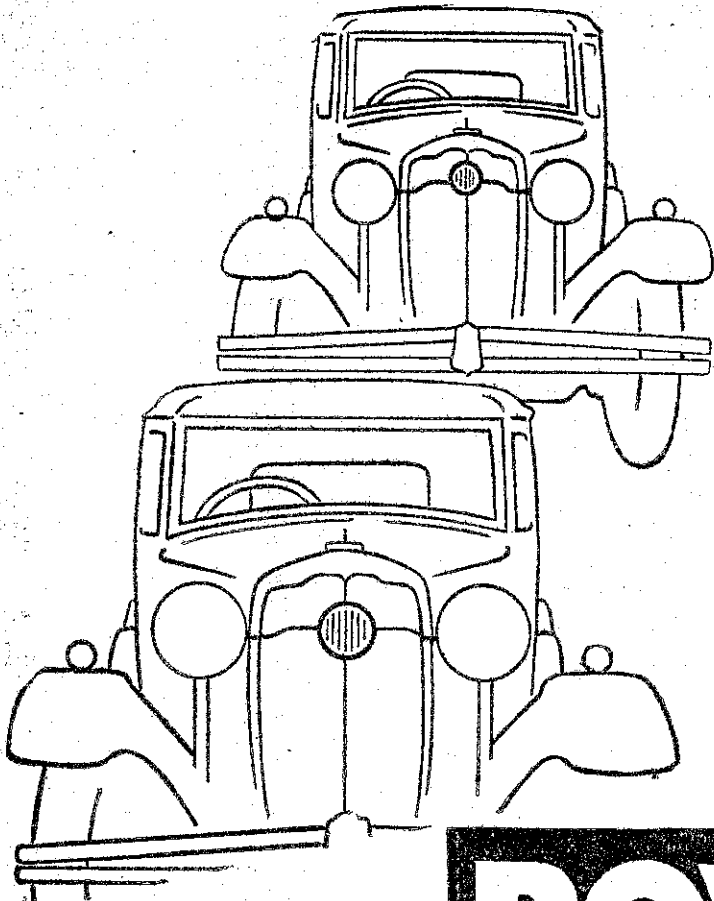
2YA'S best surprise item to date was on American Independence Day, when the studio was raided by a particularly offensive "shankheel," who subsequently turned out to be not so offensive after all, but one who has been greatly missed by listeners. I learned afterward that the altercation brought the police hurriedly to the studio, which proves that Mr. Announcer has the best of friends.

THE English Post Office is taking steps to prevent a recurrence of certain irregular transmissions by local relay stations. Some have been departing from the terms of their license by introducing local dance bands and vocalists not on the ordinary broadcast programme. This is an infringement on the monopoly of the B.B.C. The relay stations, of which there are 120 in various parts of the country, operate under a Post Office license which allows them to select programmes from any transmitting station, British or foreign, but expressly forbids them to originate programmes of their own.

AFTER listening to the recorded versions of Mr. John Buchan, M.P., on Sir Walter Scott, and Mr. J. B. Priestley on Modern Novels, there will have been many letters forwarded to the booksellers signifying approval of the scheme. Mine is also containing a vigorous protest concerning the undignified musical interlude which gives the impression of an auction sale.

THE W.E.A. series of talks (1YA) being given by Mr. W. T. G. Airey, whose emphatic opinions have ostensibly the foundation of clear study and precience, should command the attention of all listeners. In reviewing the present state of financial collapse, the speaker regards this not so much the result of the war, but more to the inertia of social and political institutions, compared with those that have been responsible for the material progress of the world. Social consciousness is out of step with the scientific advancement made during the last century, (Continued on page 9.)

THERE'S ONE LUCKY BUYER IN EVERY DOZEN



There are more than fifty makes of motor cars on sale in New Zealand, yet, during June, 1932, **one** buyer out of every twelve bought ROVER. Of English cars, outside the "Baby" class, ROVER sold more than 50 per cent. of all the other makes together.

A word to the wise is sufficient. Put your money and your faith into cars made from good English and New Zealand materials, and entirely built in our works at Petone, the newest and most up-to-date in the Dominion.

11/- in every £ of money spent on a ROVER remains in the Dominion.

10/25 h.p. ROVER
£245 complete for the
Roadster

£279 complete for the 4-
Door Steel Panel
Saloon.

ROVER "TEN"

30/35 m.p.g.

50/60 m.p.h.

Send this coupon for full details of latest improvements to:—

The ROVER COMPANY of New Zealand Ltd.
Works: PETONE, Wellington.

Please send me without obligation, full details of the latest improvements in the New Zealand-built Rover 10/25 h.p. Four-Door Saloon.

Name

Address

"Static"

(Continued from page 7.)

which has mechanized the world and resulted in the material interdependence of all nations. The ever growing demand for the products of other countries has spread the populations, and accompanied this with a delicate system of finance that can function only with international amity and confidence. In speaking of the development of tropical countries, Lord Lugard, a sympathetic and far-seeing colonial Governor, was freely quoted, and although the complexities of modern existence are possibly extremely difficult to adjust, the administrations must be reorganised if the world is to profit by the discoveries of the laboratories. At present the speaker claims peace is maintained by exhaustion, and man has reversed the text "Man conquers matter," for to-day's death-dealing implements of war have subjugated him—and "the material has conquered man."

EXCELLENT conditions prevailed on Thursday week when 2FC and 4QG broadcast German's "Merrie England" to an orchestral accompaniment. The soloists, chorus and the orchestra were excellent. The presentation was one of the best I have heard, and certainly the best that I have heard broadcast. The new Broadcast Commission has made a splendid start in Australia.

MR. WILL BISHOP (2YA) almost apologised for repeating, by request, his song of the "Carillon." For this little song there is no need for any apology, and I'm asking him to sing it again some time. His other topical songs were clever, with their quiet digs without sting, and each of them might be repeated, too. I hope it will not be long before he entertains us again.

THE problem of the shrinking gold production in its relation to the ever-expanding need of credit in the rapidly advancing commercial associations of all peoples who to-day are interdependent, was lucidly told by Mr. G. Lawn (3YA) in his talk on "Banking and Currency." With a stabilised gold basis for credit, increased production of gold is essential if, in the enhanced volume of trade, commodity prices are to be kept at profitable levels. Inadequate gold production, however, is not the sole cause of the present crisis, and much international commerce has been conducted purely upon confidence. The complex nature of commercial relations is realised to have, in normal times, a basis not strictly correlated to any metal, and it is the realisation of this that in future the prosperity of the world must lie. Were it not for the fear of political and financial manipulation, no metallic base would be necessary for currency. Confidence born of strictest probity is all that is required in the most complex commercial dealings—but the problem is: "who is to be trusted?"

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S-O-S**TRAVEL IN COMFORT BY
CAR****WELLINGTON PALMERSTON
NEW PLYMOUTH**

Our Mail Bag

Recorded Talks.

MR. JOHN BUCHAN'S record on "The Life and Work of Sir Walter Scott" was much enjoyed here, and we are looking forward to hearing the others. The same evening, June 30, I heard a recorded speech by the Prince of Wales—this was given from 2FC—and I should like to hear it from the New Zealand YA stations.—E.M.B. (Wellington).

Organ Recitals.

I WISH to express my appreciation of the organ recitals by Mr. Arthur H. Wilson. It is not often one has the opportunity of hearing such a



Excerpts from

"The
Bohemian Girl"

will be broadcast by The Minn-
esingers from 4YA on

FRIDAY, JULY 22.

SOLOISTS:

Anne White soprano
Maude Kenward contralto
J. T. Leech tenor
Wm. Ruffell baritone



talented organist, and I am sure his many listeners will be pleased to hear him broadcast again.—A. Charlotte (Wanganui).

Demonstration Sets.

TO those who are intending to buy a radio, I give a word of warning. Stipulate to your dealer that the set must be a brand new one, not one that has been used as a demonstration set for the last six months. I know of a person who has been kept supplied in radios by dealers for over six months now, and that person has positively no intention of buying a set. Another person whom I know well had a set thrust upon him; he has had it for two months now. Still another has had up to four sets in the house at once. Surely these are not all demonstration sets (which are supposed to be sold at a reduced rate at the end of their usefulness for that purpose), so that when some unsuspecting purchaser buys what he thinks is a brand new radio it has really been in half-a-dozen other homes for a period of some months. So purchasers beware.—Fair Play.

A and B Stations.

I HAVE for some time past read with great interest your paragraphs re the "B" stations.

First, take the "A" stations. The Broadcasting Board sent out voting

cards for all listeners, and these were to be obtained when listeners went to renew their licenses. The cards had to be requested, and if anyone did not know of their existence, they in all probability did not receive one. Now that all the cards are in, cannot the Broadcasting Board give some encouraging announcement as to what they intend to do?

What would any listener outside the reception area of 2YA do until 3 p.m. each day with no "B" stations operating?

They do not interfere with the "A" stations.

I think the "B" stations are very much needed, and they are much appreciated. It would in return be only justice and acknowledgment on behalf of listeners concerned, if not all, if they openly expressed their views in the right quarter. I think the old policy should still exist, "Live and let live." Surely the "A" stations are not going to have the monopoly of the air, and there is enough relaying done in the South Island now, where "A" class stations are concerned, and there is only one programme from three, 3YA, 4YA and 4ZP, on Saturdays and Sundays. Would it not be better for each "YA" station to have its own programme and allow the "B" class stations to relay to distant listeners.—Chas. H. Iles, 59MC (Christchurch).

Club Broadcasts.

THE New Zealand Short-wave Club was, I believe, refused permission to broadcast notes of interest on the grounds of interference and that the matter given out was not of sufficient interest.

Yet we find that the Post and Telegraph Department has given permission to the amateur transmitters to give out each week what is a purely advertisement campaign for the sale of a newspaper and a list of stations.

Now, sir, if the N.Z.S.W.C. or the DX Club, which societies are doing for the listener what the transmitters have never attempted to do, are not permitted to be able to broadcast educational matter instead of this blatant propaganda it shows that radio matters need an overhaul. A campaign should be conducted so that no one branch of radio should be given preference. Also, if one publication can be advertised over the air, why not others?

Naturally the subscriptions that the N.Z.S.W.C. and DX members are paying are a bait, but this should have been thought of before. Both these societies have done remarkable work for the listener, and it is hardly a fair proposition, after so much good work has been done, for the Post and Telegraph Department to give another society such a preference, and members of both clubs should insist on receiving a fair deal, which should be their right.—Justice for All (Masterton).

The Referendum.

IT is now some time since the voting closed on the questionnaire or referendum, and might I ask when are we to know the result? "Quadrant" says he has received two letters from people who evidently appreciate the players re-

cently broadcast from 1YA, and are asking for more. In answer to this, "Quadrant" says the Broadcasting Board has received more adverse comment about plays than any other items broadcast. This may be true of Auckland, I know not, but this I do know, that toward the end of last year the beautiful romantic play by Lytton, "The Lady of Lyons," was broadcast from 3YA, and was most successfully received and enjoyed by a very great number of listeners. The question is, are the board to dictate the programme or are the listeners? Is art to be raised or lowered? If the greater number vote for jazz or so-called humour, what sort of programmes are we to expect in the future? It is all very well to say it is vox populi, but remember the others who are not in the majority have to be catered for. The other day Lord Bledisloe pleaded for a better class of entertainment to be given by the talkies. Perhaps the plea would be more efficacious had he asked the people not to attend talkies until an improvement had taken place in the stuff presented to us. The management are pretty good judges of the public taste, and will put on what draws. They are not anxious to put on stuff of a questionable nature; it matters not to them; but what does matter is the box office receipts. The YA's are quite different; their aim and object should be not to make money, but to educate the public by putting first-class programmes in the different branches of art.—Eros (Christchurch).

Programme Improvements.

EVERYONE seems to be severely criticising everything lately! The YA's have come in for much criticism, some destructive, some constructive. The overlapping of sessions is annoying, especially at six o'clock, when one often gets the children's session, the chimes, and the dinner music all jumbled up together. This could surely be easily remedied by more vigilance. The absence of so many sopranos has been a welcome relief—let's hope it's permanent!

I really believe that there has been a general improvement. The introduction of Mr. Crowther's novelty dance orchestra has been a very popular feature, and listeners are asking for similar permanent orchestras at all stations, as well as a longer dance session on Saturday night. Why not start the dance session earlier, for the convenience of country listeners?

The question of the "B" class stations still provokes varied suggestions and criticisms. They are giving great

(Continued on page 13.)

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GUARANTEED
TO BE BETTER
THAN ANY OTHER
RADIO VALVE
ON THE MARKET**

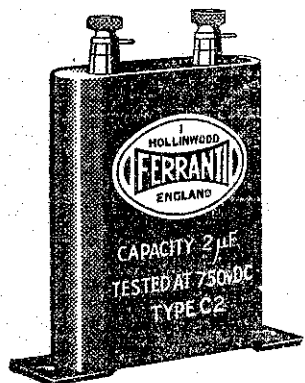
FERRANTI CONDENSERS and RESISTANCES

for Power Supply Units

Most constructors will agree that to provide a receiver with H.T. Power from a dry battery or accumulator, if A.C. mains are available, is like lighting the house with candles. It's out of date.

If your set depends on batteries for its power—power that should be ample, constant and silent—and from batteries it seldom is—you will derive lasting satisfaction from a High Tension Power Supply Unit.

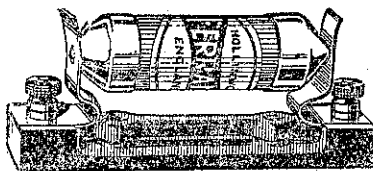
In the construction of such a unit it is of great importance to use components that can be depended upon to stand up to the severe conditions imposed.



As is to be expected, inferior components give inferior service, and are liable to break down under the electrical stresses set up, with possibly serious results to the receiver and the components of which it is constructed.

Therefore, do not take unnecessary risks. Employ components designed with knowledge of the conditions they have to deal with, and built by engineers with nearly 50 years electrical experience behind them.

FERRANTI FIXED CONDENSERS for smoothing RESISTANCES for voltage dropping. CHOKES.



British made by FERRANTI LTD., Hollinwood, England. If you have difficulty in procuring any Ferranti Components, ask your dealer to write to the N.Z. Agents.

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BURGESS
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BATTERIES
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Performance
BRITISH
TOO!

Questions and Answers

"SPARKS" (Rotorua).—Would you supply primary, secondary and tickler for coils wound on 2½ in. former, tuned by a .00025 condenser, to suit A442 and A415?

A.: Using 30-gauge d.s.c. wire, 90 turns on both secondaries, primary of intervalve transformer, 40-45 turns. Reaction, 40 turns.

2. Reaction is smooth with the leak shunted across the condenser. When it is connected to "F+" regeneration is violent. Even the voltage is reduced to 22½.

A.: With the leak shunted across the condenser does the grid return go to "F+"? If it does, there is fundamentally no difference in the circuit. The best plan would be to take the grid return to a potentiometer between "F+" and "F-."

"FADA" (Napier): I have a three-valve set. Could I gang the condensers? If so, what value trimmers would I use?

A.: You can obtain modern three-gang tandem condensers, with trimmers already in position. You could quite easily gang them. You could use connectors with balancing condensers, about .00005 mfd. capacity or less, shunted across each.

2. When I am tuning in a distant station my set is inclined to whistle. Does this go out on the air to be picked up by other sets?

A.: In all probability, yes. The set should be very carefully balanced. Apparently it is slightly out.

3. If I use PM 6 in the first stage of the r.f. I get much better results, but the set whistles more. I am using an A.B.C. eliminator.

A.: It whistles more because it is not balanced for the PM 6, which by the way should not be used in that stage, as it is a power valve and it draws more current than a more suitable valve would do. Balance or have your set balanced.

"SHORT-WAVE" (Temuka): During the summer 2ZX came in at great volume. I have not been able to pick up the carrier lately. Is this merely a vagary of radio?—Yes.

2. Will the set give better results with a large reaction coil and small movement of the reaction condenser, or a small reaction coil, with a correspondingly large movement of the condenser?

A.: The smaller the coil the better. Generally there is optimum value.

"WAIL" (Christchurch): What six-volt valves should I use in the commercial battery set mentioned?

A.: The set was designed for 201A valves, but the modern 221 could be used in their stead. However, use A415 detector, A409 in the first and second stages, and in the first audio. If you do not put grid bias on the last valve, use A409, but the best plan is to break the connection between the grid return of the last valve and take the return instead to a suitable negative tapping.

F.W. (Auckland): Full particulars of the Browning Drake appeared in the 1929 "Radio Guide," copies of which are still obtainable.

RANGI (Palmerston North): I recently fitted phones to my a.c. set, but reception is not nearly so loud as it is on the speaker.

A.: Make quite certain that you have connected the phones in the plate circuit of the pushpull valves and not in the grid circuit. It is quite probable this is what you are doing. You must get louder signals if you use the phones in the proper circuit and have made all the other connections correctly. Do not alter the capacity of the blocking condensers.

2. What capacity variable condenser is needed for a tone control across 171A valves in pushpull?

A.: You can use a 50,000 ohms resistance in series with a .06 mfd. condenser.

J.M.T.P. (Gisborne): How can one find the frequency in kilocycles from the wavelength in metres?

A.: Divide the metres into 300,000.

2. Would an eight-valve super-het. be workable in a city such as London or Birmingham?

A.: It would be very noisy, but only when you were reaching out for distant stations. It would be quite satisfactory on stations that come in strongly.

3. When a set that is adjusted to 230 volts is taken to a place where the power is higher or lower, what part of the set should be altered?

A.: The primary of the power transformer. It is not easy to make an adjustment to this, however.

"MUSIC LOVER" (Pahiatua): I notice that all new radio sets are equipped with dynamic speakers. I have a good set equipped with a magnetic speaker, the tone of which, on some occasions, is exquisite and remarkably free from background noises. Has this type of speaker many serious disadvantages?

A.: The dynamic speaker has a wider range of frequency and is capable of handling much greater volume than the magnetic speaker, such as the type you are using. Again, the field of the dynamic speaker makes a very convenient choke in the smoothing system of the rectifier. These factors account for its universal adoption in modern receivers.

"HAMS" (Auckland): What is the size of wire and number of turns for the 80-metre band for the Cossor Melody-maker?

A.: In series with the .0005 mfd. condensers place .00025 mfd. fixed condensers, and then on a 3 in. former, with 26 gauge enamelled wire, wind 19 turns for the secondary, 24 for the reaction (of 30 d.s.c.), and 7 turns for the primary. We are not certain if your particular set employs a primary coil for the detector stage. If not, use only the secondary and the tickler. For the first stage use the primary and the secondary.

J.M.S. (Morrinsville): Your best plan, if you are studying for an amateur transmitter's certificate, would be to obtain Handy's Handbook, in which is published a great deal of information of use

(Continued on page 22.)

Information Coupon

(To be used with all requests for information.)

Name of set

Model

Name

Address

.....

.....

Nom de plume

To be kept in subsequent inquiries

Please Note:—

(1) Be specific and brief, tabulating, if possible.

(2) Write legibly, and on one side of the paper.

(3) We do not design circuits.

(4) Limit three questions, unless 1/- is enclosed.

(5) Postal queries limit three questions. Enclose stamped envelope and 1/- fee.

News and Views of the DX Club

Answers to Correspondents

"Hydrargyrum" (Frankton Junction): According to the Technical Editor, your converter should give excellent results. Take L3 to plate of the detector, and make R2, 30 ohms. 2HD must be testing on a greater power. Yes, we are quite willing to readress letters sent to noms-de-plume care of this office.

32T (Nelson): Yes, I also have received verification from 2GB for daylight reception. My total of daylight loggings of Australian stations stands at 11 verified, and two more are on the way.—33NW.

was going off the air in favour of its sister station XER, Del Rio, Texas. Both use the same frequency, approx. 740 k.c. (405 m.).—A.C.T. (Hamilton).

"Radio" (Wellington): Jap. on 720 k.c. (416 m.) is JORK, Kochi City, Shikoku. He gives his call twice at frequent intervals. Power $\frac{1}{2}$ k.w. Australian on 1410 k.c. is 2KO, Newcastle. American on 1110 k.c. (270 m.) is KSOO, Sioux Falls. 37W: Jap on 710 k.c. would be JOJK, but it is quite possible you have picked up JORK on 720 k.c. L.G.H. (Timaru): KMPC, Beverly Hills, California.—"Marama" (Invercargill).

DX Topics

American Reception.

LATEST verifications are from KLX (after writing a second time), and KELW. The latter sends a circular to its listeners requesting them to write to the Federal Radio Commission, stating that they enjoy KELW's programmes. KTM (the black-listed station), is evidently wanting more time on the air, at KELW's expense. KMOX is my best American, and has been heard at good volume as early as 3 p.m.—600 (Timaru.)

Recent Verifications.

LATEST verifications include 6PR, which is testing out a 500-watt transmitter, and would appreciate reports—and 2CH, Sydney, who state I am the first N.Z. listener to report on their breakfast session. Dxeers reporting "black-listed" stations in "DX Topics" should, if these stations subsequently verify, apprise readers of the fact. Otherwise it is unfair to both the stations and to other dxeers.—32T. (N.P.).

Something Wrong.

THERE is something radically wrong with the DX Club. The interest of 1930 is not there. I put this down to

New Plymouth DX Meeting

There will be a meeting of the New Plymouth branch of the N.Z. D.X. Club in Messrs. Hooker Bros. rooms, Edmont Street, on Wednesday, July 13 at 7.30 p.m. All members are asked to attend, and those interested are invited.

L. M. ANDERSON 32T,
District Secretary.

the lack of space for club notes in the "Radio Record" and too much space in the "Times"; about 95 per cent. taken up with reports from district secretaries. This makes dry reading, and very ordinary when put alongside DX Topics of 1930. It was in 1930 I got my set, and used to rush the "Radio Record" every week to see the DX Notes. This was before I was a dxeer. To read the doings of all those good old writers, Z.L.D.X. (P.N.), Sandy (P.N.), J.P.C. (P.N.), R.J.R. (P.N.), Jako (Well.), Yankee (P.N.), B.W. (Stratford), Metri (Huntly), Unconscious (Timaru), Amazon (P.N.), Seven Kicker, Kauspanker, Hastings), Bob (Well.), Squeak (Christchurch). (Continued on page 23.)



Absolutely Unaffected After 4 Hours Immersion

Not a drop of water got inside—so complete was the insulation. As a further test, the condenser was stored in an atmosphere of 80 per cent. humidity for four to twelve days and then subjected to a 1000-volt D.C. test for three to five minutes. After all this—a much more rigorous test than that to which the average condenser will normally be put—the loss was practically negligible. With the Simplex Condenser freedom from "shorting" is definitely assured. Because of this, and because these condensers are so strongly made that nothing can get out of place, they give an all-round efficiency and length of life never before obtained from any other condenser. Change over to-day and give your set new life, new power—more tone with less interruption. At all Radio Dealers.

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F. J. W. FEAR & CO.,

63 WILLIS STREET

Telegrams "FEAR"

WELLINGTON.

Hamilton District Meeting

A MEETING of the Hamilton District dxeers will be held in the Toorak Chambers, Victoria Street, Hamilton (about 100 yards from the railway line), at 7 p.m. on Thursday, July 14. Would all dxeers endeavour to be present?

W. H. C. ROXBOROUGH,
District Secretary.

D.S. (Auckland): Full particulars of XER and XEF appear in the "Stations Identified" and "DX Topics" columns.

Identification Wanted

On June 29 I heard a station broadcasting recordings on approx. 215 m. (1390 k.c.) at midnight, and held him until 1.5 a.m., when he closed down. Items and times heard: 12.28 a.m., "I Bring a Love Song"; 12.32, "John Henry and Blossom." A silence followed until 12.49, when a Scottish air was played. No announcement was made.—48A (Pokeno).

Stations heard on July 1 broadcasting election results from America between 6 p.m. and 6.10 p.m. on 1450 k.c. (202.6 m.) and 920 k.c. (326 m.).—5HB (Napier).

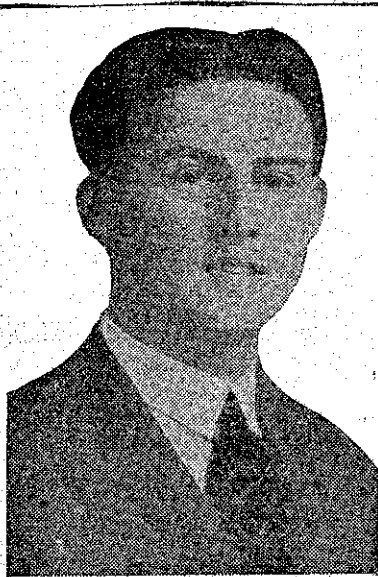
Station on 1470 k.c. (204 m.) heard between 6 and 7 p.m. on July 6 at about R5 and very gushy. 6.16 p.m., "Jeanne, I Dream of Lilac Time," was played on an organ. At about 6.30 p.m. what I took to be KFEA and Minneapolis were mentioned. Name of announcer was John Walls. Does any dxeer know the origin of Morse which comes in at about 500 k.c. (600 m.) very powerfully? When volume is full on it can also be heard on 1500 k.c. (200 m.).—67MC (Akaroa).

American heard broadcasting election results from Chicago on July 1 on approx. 635 k.c. (472 m.). He was heard all the evening and was still on the air at 1 a.m.—"Marama" (Invercargill).

STATION heard on 3YA's frequency at 7 p.m. on July 6. Vocal and orchestral numbers were heard.—F.D. (Buller).

Stations Identified

H.M. (Havelock North): While listening recently at 10.30 p.m. I heard XEF's announcer state that the station



Terence O'Brien.

Listeners who heard this Irish tenor during his regular performances from 2YA will be interested to know that he is now in Australia making recordings. Irish ballads and traditional songs are his forte, and he has already recorded a varied selection of these old favourites.

Orpheus Musical Club.

THE Orpheus Musical Club will be on the air from 1YA on Thursday, the vocalists being Mrs. L. E. Lambert, contralto, and Frank Sutherland, baritone. The 1YA Studio Orchestra will assist, playing several numbers, including the "Indian Love Lyrics" and "Iolanthe" selection. Will Henderson will be heard in a flute solo, and there will be an instrumental trio for flute, violin, and piano.

Radio Play.

THE whole of the second portion of 2YA's programme on Thursday will be devoted to a radio play "The Flowers Are Not for You to Pick," produced by Victor S. Lloyd. Those who have listened to Victor Lloyd's productions in the past will look forward to this evening. Mr. Lloyd chooses his characters well, and the plays are always well done and hold the interest up to the very last.

Dunedin Symphony Orchestra.

ON Wednesday next, the first concert of the Dunedin Symphony Orchestra, under the conductorship of B. L. H. de Rose, will be broadcast on relay from the Dunedin Town Hall. Among the numbers to be played by the orchestra will be "Marche Heroique" (Saint Saens), and a fantasia from "Mephistopheles," by Boito. Assisting vocalists include James McDonald and Lillian McDonald.

"The Bohemian Girl."

THE first portion of the concert from 4YA on Friday will comprise excerpts from the "Bohemian Girl" (Balfe), presented by the Minnesingers.

Notes on the Programmes

PROBABLY the most outstanding number on the recorded programme from 1YA on Tuesday next will be

On the Air this Week

July 18 — 24

excerpts from "Sonata in C Minor," by Grieg, played by Sergei Rachmaninoff and Fritz Kreisler.

THE Viennese Trio, comprising violin, cello, and harp, will appear for the first time on 1YA's programme on Wednesday, when they will present trios and solos for their respective instruments.

FROM 12.30 to 1.30 p.m. on Friday, 1YA will relay the Community Singing from the Lewis Eady Hall.

AN outstanding number on the programme of 1YA on Friday will be a duet for flute and horn entitled "Serenade," to be played by V. Cater and H. Benn.

A. E. WILSON will give a further twenty minutes' organ recital from the Baptist Tabernacle from 1YA on Friday. His numbers will be made especially interesting by short annotations.

GWLADYS EDWARDES, soprano, and Barry Coney, baritone, two of the most outstanding vocalists in New Zealand, will be heard on 1YA's programme on Sunday night.

"MUSICAL Shows of Yester-Year" will be the title of a gramophone lecture-recital to be given by Karl Atkinson from 2YA on Tuesday.

THE Isett novelty instrumental trio will play a number of popular melodies on the evening's programme from 2YA on Thursday.

WILL BISHOP, the popular entertainer, will be featured on 2YA's programme on Saturday in entertainment at the piano. Will Bishop can always be looked forward to to provide an excellent turn, and this should be no exception.

CICELY AUDIBERT, a vocaliste of distinction, will be heard from

3YA on Wednesday. Included in her solos will be Strauss's immortal "Blue Danube."

NEGRO spirituals and plantation melodies will be featured by the Troubadours from 4YA on Sunday night.

The Talks

9 p.m. Talks.

"East," Captain F. Bauer, the new Consul for the Netherlands in Auckland, from 1YA, on Tuesday.

"How Seriously New Zealanders Take the Rugby Football Game on Tour," Mr. Fred Lucas, from 1YA, on Wednesday.

"By-laws of London," Mr. Julius Hogben, lecturer in law at the Auckland University, from 1YA, on Friday.

"The World Outlook," Dr. Gibb, from 2YA, on Monday.

Dr. Guy H. Scholefield, O.B.E., from 2YA, on Wednesday.

"Rugby Difficulties in South Africa," Mr. J. T. Burrows, M.A., from 3YA, on Monday.

"London and New York," Professor J. Hight, from 3YA, on Thursday.

"Solving India's Problems," Mr. W. G. McClymont, 4YA, Monday.

"The Life and Work of Sir Walter Scott," Mr. John Buchan, M.P., from 4YA, on Tuesday (recorded).

W.E.A. Talks.

"Nationalisation," Mr. W. T. G. Airey, M.A., from 1YA, Wednesday.

"Makers of New Zealand," Mr. L. R. Palmer, M.A., Dip.J., from 2YA, on Thursday.

"Man and His Social Institutions," Professor T. A. Hunter, from 2YA, on Saturday.

"Banking and Currency," Mr. George Lawn, M.A., from 3YA, on Monday.

"Geology," Mr. G. Jobbers, M.A., B.Sc., from 3YA, on Friday.

"Biology of the Human Race," Professor Benham, from 4YA, on Tuesday.

Featurettes

Scottish Programme
3YA, Monday.

Australian Bush Songs
3YA, Wednesday.

Dunedin Symphony Orchestra
4YA, Wednesday.

Organ Recital
1YA, Friday.

"A Fire Affair"
3YA, Saturday.

"Anticipations," Mr. Lloyd Ross, M.A., from 4YA, on Friday.

Other Talks.

"SUPERPHOSPHATE and Its Effect upon Fertility," Dr. F. G. Shepherd, 1YA, Tuesday.

"Ballroom Dancing," Mr. W. E. Priestly, 1YA, Saturday.

"Books, Grave and Gay," Mr. H. C. South, 2YA, Monday.

"Forestry," Mr. M. E. Hutchinson, Lecturer in Forest Utilisation at the School of Forestry, 3YA, Thursday.

Sporting Events

Talks.

9 p.m. talks on Rugby football from 1YA and 3YA on Tuesday and Monday respectively.

"To-morrow's Match—New Zealand versus Australia," Mr. R. McKenzie, from 4YA on Friday, at the conclusion of the programme.

At 1YA, 7.30 p.m., Friday, the weekly sports talk.

Rugby Football.

1YA will be on the air at 2.45 p.m. to relay a description of the senior Rugby football match from Eden Park.

From 4.30 p.m. all stations will broadcast the specially arranged transmission from VK2ME, Sydney, of a description of the match New Zealand versus Australia.

2YA at 2.45 p.m.: Rugby football from Athletic Park.

4YA, 1.15 p.m.: Rugby football from Carisbrook.

Other Sporting Events.

3YA will commence transmission at 12.45 p.m. on Saturday for the purpose of broadcasting the results of the racing at Riccarton, where a combined meeting of the Christchurch Hunt Club and the Hororata and Amberley Racing Clubs will be held.

The Church Services

1YA: Beresford Street Congregational Church, the preacher Rev. W. A. V. Whiting, the organist and choirmaster Messrs. W. Gemmell and A. Cherry respectively.

2YA: St. Peter's Anglican Church, the preacher Rev. W. Bullock, organist and choirmaster Mr. S. D. Shortt.

3YA: Knox Presbyterian Church, Bealey Avenue; the preacher Rev. T. W. Armour, the organist Miss Vic-

A Radio Play,

"The Flowers are
Not for You
to Pick"

will be presented from 2YA on

Thursday, July 21, by

Victor S. Lloyd and
Company.



Victor Lloyd.

torial Butler, and the choir conducted by Mr. A. G. Thompson.

4YA: Salvation Army Citadel, Dowling Street; the preacher Adj. Len. B. Tong, and the band conductor Mr. A. Millard.

Town Planning Talks

Arranged from 3YA

UNDER the auspices of the Town-Planning Institute of New Zealand (Incorporated), a series of talks dealing with the history of town-planning from ancient times down to the present day will be delivered from station 3YA, Christchurch, at 7.45 p.m. on the following dates:—

Saturday, July 9—"What is Town-Planning?" "History of Town-Planning," E. F. Scott.

Dxers' Log Book.

A LOG BOOK, in which Dxers can record their loggings has been published. The book provides facilities for the entry of particulars of stations as they are received, and should be an invaluable asset to the equipment of all Dxers. Comprising about 40 ruled pages of high-class paper and well bound, the Log Books are available at 1/- each, or posted 1/1 from Box 1032, Wellington.

Saturday, July 23—"Town-Planning Scheme," A. H. Bridge.

Saturday, July 30, August 6—"Zoning" (two talks), A. H. Bridge.

Saturday, August 13—"Economic Aspect," E. F. Scott.

Saturday, August 20—"Amenities," A. H. Bridge.

Saturday, August 27—"Town-Planning Institute," E. F. Scott.

The procedure in preparing a town-planning scheme will be explained, to be followed by two talks on zoning, or the establishment of districts in a city for specific land uses. The importance of the economic aspect will be dwelt upon, as also that of the amenities such as parks, gardens, recreation grounds and control of boardings, etc. Finally, the aims and objects of the institute will be set forth, showing how those who support town-planning may assist.

FIGURE SKILL COMPETITION

Greatest number of entries—Prize £2/10/- won by Mr. Duncan Whihon, Whangarei. Prizes for neatness—art union tickets.

Mrs. Margaret Baker, 4 Douglas St., Dunedin (1498); A. Richardson, 44 St. David St., Lyttelton (1491); Miss June Burton, 205 Gallien St., Hastings; Miss Doreen Murray, 28 Tyndale St., Pahiatua; M. D. Anderson, 25a Bronte St., Nelson; K. E. MacLean, 224 Princes St., Hawera; G. MacLean, 44 Stirling St., Anderson's Bay, Dunedin; H. A. Hutton, Box 1227, Christchurch.

These prizes have been posted. Seven hundred and thirteen competitors—whose names and addresses are recorded by "N.Z. Truth"—qualified for a share of £12/10/- prize—approximately 4d. each. The correct solution was 1491. These successful competitors are being provided each with a credit for 1/- as entry in the next contest, details of which have been forwarded direct to the competitors concerned. Those not accepting the free entry must send stamped, addressed envelope to Figure Skill, P.O. Box 454, Wellington, to receive 1/- in cash. Claims for payment in cash must be received before closing date as shown on credit note posted to them.

Half-hours with the W.E.A.

The World Crisis—Some Long-Term Trends

(By Mr. W. T. G. Airey, M.A.)

No. III.—Nationalism (to be broadcast from 1YA Wednesday, July 20, 1932).

NATIONALITY and democracy are the two main aspects of the political revolution that transformed Europe in the nineteenth century and that has passed to other parts of the world. This political development went on at the same time as the economic revolution dealt with in previous talks; many problems arise from their interaction.

The sentiment of nationality is mainly a thing of culture and traditional modes of thought and expression, and sometimes the long possession of a distinctive form of government may have influence. It was perhaps natural that democracy—the effort to secure the participation of the many in their own government—should assume that people should be grouped according to their willingness to work together, i.e. according to their nationality.

But in the struggles of democracy against oppressive governments, often controlled by rulers of a different nationality, too much emphasis was laid on the appeal to national sentiment and so nationality took on a too strongly political colour—resulting in modern nationalism. Emancipated nationalities seem generally to have become egoistic and flaunt their independence in the fact of an increasingly interdependent world.

Not content with cultural freedom they have sought self-sufficiency in all things, have oppressed other nationalities, and been unwilling to co-operate in a society of nations. Hence national egoism and imperialistic ambition were strong forces of disturbance in the world and conflicted sharply with the economic trend toward co-operation and interdependence. Nationalism is still active—e.g., tariff walls—and one of the greatest needs is to modify it without losing its better cultural aspects.

Our Mailbag

(Continued from page 9.)

service to listeners in remote towns, where they provide free service to listeners paying 30/- a year. A general increase in power of the YA's has been suggested by correspondents, and I understand that 2YA can go up to 30 kilowatts, but that 1YA, 3YA and 4YA cannot be so boosted without rebuilding the whole station. 2YA is sometimes spoilt by static here, so an increase in power would be welcome.

As for our radio announcers, I am sure the YA ones equal any overseas. Mr. A. L. Curry is very popular here, and his "Good evening, EVERYBODY!" imparts an individual touch. Whether running over the shipping (with a big list of catchy names), or the price of fat sheep at Addington, Mr. Curry keeps up the pace, with the clock trying to race him to 8 p.m. But never a stumble or a word retracted. The Maoris of Christchurch admire his

New Series from 2YA

"Makers of New Zealand," by Mr. L. R. Palmer, M.A., Dip.J.

Thursday, July 21—I, Edward Gibson Wakefield.

Thursday, July 28—II, Sir George Grey.

Thursday, August 4—III, Richard John Seddon.

Thursday, August 11—IV, Makers of New Zealand: What of the Future?

"Man and His Social Institutions," By Professor T. A. Hunter.

Saturday, July 23—I, How Man Organises His Social Life.

Saturday, July 30—II, Social Institutions in the Machine Age.

Saturday, August 6—III, Poverty in the Midst of Plenty.

Saturday, August 13—IV, Can Democracy Survive?

THE following lecturers will continue the Workers' Educational Association's sessions:—

From 3YA

Mr. A. W. Tucker, M.A., B.Sc., F.R.A.S.

Friday, August 19—"Our Moon and Its Origin."

Friday, August 26—"The Solar System."

Friday, September 2—"Is the Planet Mars Inhabited?"

Friday, September 9—"Comets and Meteors—Visitors from Space."

Dr. D. H. Broadhead.

Monday, August 22—"Greek Drama" (No. 1).

Monday, August 29—"Greek Drama" (No. 2).

Monday, September 5—"The Thought and Social Life of Ancient Greece" (No. 1).

Monday, September 12—"The Thought and Social Life of Ancient Greece" (No. 2).

pronunciation of their difficult language, and Mr. Curry is therefore an "authority" for settling disputes between listeners. But to pass on. The question of electrical interference with radio reception is receiving attention in Christchurch, as readers may know. Listeners are desirous of some swift action on the part of the P. and T. in co-operation with other authorities concerned. Power interference is serious, even 3YA being "blotted out" in some districts. The radio inspector says he is powerless, so many radios have been sold or exchanged for gramophones.—DX28MC (Christchurch).

A RECENT broadcast by 1ZR, Auckland, of Mr. A. H. Dallimore's mission service was heard in New York. A card requesting verification of the broadcast has been received from Mr. Karl J. Halpern, of that city, stating that reception was loud and clear. On occasion this little station is heard in Wellington, several times the strength of 1YA.

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Formo British Variable Condensers, 00025-0005-00035 4/10 ea.
Champion 247 A.C. Pentode Valves 11/9 ea.
Champion 201A Valves 4/9 ea.

Philips Baby Grand Cone Speakers. Were £3/15/-.

Now 37/6 ea.
Fuller 99-volt Super B Batteries 15/- ea.

6-Volt D.C. Meters 3/- ea.
Terminals, marked aerial, earth 4d. ea.

5-Valves Crosley Set with Valves and A and B Batteries £28/5/- ea.

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MARCONI Dynamic Speaker; perfect condition, £1; Prestolite Battery, perfect condition, £1. Apply "DXS," c/o "Radio Record," Wellington.

FOR SALE.—Two Philips B. and C. Eliminators (3003), complete as new, at £4 each; one Philips B. Eliminator (3002), complete as new, at £3/10/-. Limbrick Bros., Waipawa.

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Programmes for Week ending July 24

Sunday

[July 17]

1YA AUCKLAND 902 kc.
Sunday 17.

2.0: Selected Recordings and Literary Selection.

6.0: Children's Song Service.
7.0: Relay Service from Pitt Street Methodist Church. Preacher, The Rev. E. D. Patchett. Organist and Choirmaster, Professor W. A. Moor.

8.30 (approx.): Relay, Municipal Band Concert from Town Hall, conducted by George Buckley. March, Pot-Pourri, The Band, The Passing of the Regiment's (Winter). Overture, The Band, Hungarian Comedy (Keler-Bela). Tubaphone with Band, Rowland Jackson, Mickey Goes A-Whistling (Mansfield). Selection, The Band, Lilac Time (Schubert). Oriental Scene, The Band, A Derivish Chorus in the Soudan (Sabek). Flue, Hal. C. McLennan, Le Babelland (Terschak). Humoresque, The Band, Miss Lucy Long (Douglas). Grand Selection, The Band, The Rhinegold (Wagner). Hymn, The Band, Sun of My Soul (Ritter). Descriptive March, The Band, Roaring Volcano (Paull).
Selected recordings.

2YA WELLINGTON 720 kc.
Sunday 17.

2.0 to 4.0: Selected Recordings.

6.0: Children's Song Service, conducted by Uncle George, assisted by Children's Choir from the Lylly Bay Baptist Church.

7.0: Relay of Evening Service from The Terrace Congregational Church. Preacher: Rev. Harry Johnson. Organist and Choirmaster: H. Brusey.

Concert Programme.

8.15 (approx.): Relay of Band Concert by the Port Nicholson Silver Band from the Grand Opera House. Conductor, J. J. Drew).

3YA CHRISTCHURCH 980 kc.
Sunday 17.

2.0: Gramophone recital.
5.30: Children's Song Service. Anglican Sunday Schools.

6.15: Musical chimes.
6.30: Selected recordings.

7.0: Relay, Christchurch Cathedral Evensong. Preacher: The Rev. G. W. Dent. Organist and choir conductor, Dr. J. C. Bradshaw.

Concert Programme.

8.30 (approx.): Studio Orchestra (Harold Beck, conductor), (a) "Valse Caprice" (Rubenstein); (b) "Graceful Dance" (Cowan); (c) "Cossack Dance" (Bantock).

8.42: Recording, Ensemble of National Opera, Paris, Prologue—"The Coronation" (Moussorgsky).

8.46: Piano, Betty Hannam, "Scherzo in B Minor" (Chopin).

8.51: Song Cycle, Frances Hamerton with Studio Orchestra, "Summer Time"

Silent Days this Week

1YA, Monday. 3YA, Tuesday. 4YA, Thursday.

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(a) Daybreak, (b) Morning, (c) Evening, (d) Night (Ronald).

9.3: Weather Forecast and Notices.
9.5: Recording, Organ, Reginald Foort, "Schon Rosmarin" (Kreisler).

9.8: Recording, Tenor, Tito Schipa, "Ideale" (Tosti).
9.11: Studio String Quartet, "Andante" (Tchaikowsky).

9.17: Recording, The Salisbury Singers, "Sleep Gentle Lady" (Bishop).

9.20: Recording, Violin, Fritz Kreisler, "Indian Love Call" (Friml).

9.23: Selection, Studio Orchestra, "Lucia di Lammermoor" (Donizetti).

9.33: Baritone, Rex Harrison, (a) "The Temple Bells" (Finden); (b) "Harbour Night Song" (Sanderson); (c) "Myself When Young" (Lehmann); (d) "Abide With Me" (Liddle).

9.47: Piano, Betty Hannam, (a) "Etude No. 1," (b) "Valse in E Minor," (c) "Valse in D Flat" (all by Chopin).

9.53: Recording, Tenor, John McCormack, "The Palms" (Faure).

9.57: Studio Orchestra, Gavotte" (Rameau).

4YA DUNEDIN 650 kc.
Sunday 17.

2.0: Selected Recordings.

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

6.15: Selected recordings.

6.30: Relay of Evening Service from Hanover Street Baptist Church. Preacher: Rev. E. C. Tuckwell, B.A. Choirmaster: H. P. Desmoullins. Organist: Mrs. H. C. Campbell.

7.0: Selected Recordings.

8.15: Selected recordings.

8.30: Relay of Evening Service from Hanover Street Baptist Church. Preacher: Rev. E. C. Tuckwell, B.A. Choirmaster: H. P. Desmoullins. Organist: Mrs. H. C. Campbell.

8.42: Recording, Ensemble of National Opera, Paris, Prologue—"The Coronation" (Moussorgsky).

8.46: Piano, Betty Hannam, "Scherzo in B Minor" (Chopin).

8.51: Song Cycle, Frances Hamerton with Studio Orchestra, "Summer Time"

Concert Programme.

7.45: Selected Recordings.
8.30: Relay of Programme from 3YA, Christchurch.

2YB NEW PLYMOUTH 1230 kc.
Sunday 17.

6.0 to 6.45: Children's Sunday evening session, conducted by Uncle Jonathan.

7.0 to 8.15: Church relay.
8.15 to 10.0: Studio concert.

Monday

[July 18]

2YA WELLINGTON 720 kc.
Monday 18.

10.0: Selected recordings.

10.30: Devotional service.

11.12: Lecturette, "Cooking."

11.37: Lecturette, "Health Hints or First Aid."

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by Uncle Jeff.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "If I Were King" Overture (Adam).

Bournemouth Municipal Orchestra, "Fluttering Birds" (Gennin). The Royal Opera House Orchestra, Stockholm, "Joyous Youth" Waltz (Coates).



A Scottish Concert



Will be broadcast from 3YA

On MONDAY, JULY 18

By

The Christchurch Scottish Pipe Band

Under

Pipe-Major J. A. Patterson,

and assisting artists.

Recorded numbers will be interspersed throughout the programme.



6.15: Berlin State Opera House Orchestra, with Karol Szreter, Pianist, "Hungarian Rhapsody No. 2" (Liszt). Dajos Bela Orchestra, "Serenade" (Moszkowski). International Novelty Quartet, "The Skaters" Waltz (Waldteufel). The Royal Opera House Orchestra, Stockholm, "In a Country Lane" (Coates).

6.34: Dinicu and His Orchestra, "Hora Stacato" (Dinicu). Dajos Bela Orchestra, "Schatz Waltz" (Strauss). Albert W. Ketelbey's Concert Orchestra, "In a Camp of the Ancient Britons" (Ketelbey). International Novelty Quartet, "Teddy Bears' Picnic" (Bratton).

6.51: Grand Symphony Orchestra, "In the Moonlight" (Ketelbey). Dajos Bela Orchestra, "Moonlight on the Alster" (Fetras).

7.0: News and reports.
7.40: Lecturette, H. C. South, "Books—Grave and Gay."

Concert Programme.

8.0: Overture, 2YA Concert Orchestra (Conductor, Leon de Mauny), "William Tell" (Rossini).

8.13: Baritone, L. M. Cachemaille, "I Travel the Road" (Thayer); "Leannin" (Bennett).

8.20: Instrumental, 2YA Concert Orchestra, "Adagio Cantabile" (Strauss); "Ballet Russe": (1) "March," (2) "Scene," (3) "Mazurka" (Luigini).

8.36: Soprano, Doris Black, "Love's Lament"; "A Funny Fellow" (both by Head).

8.42: Cello, Claude Tanner, "Elegie" (Massenet); "La Cinqtaine" (Marie).

Selection, 2YA Concert Orchestra, "Cavalleria Rusticana" (Mascagni).

9.0: Weather report and notices.

9.2: Lecturette, Dr. Gibb, "The World Outlook."

9.17: Baritone, L. M. Cachemaille, "Reveille" (Rogers); "Aylesbury Ducks" (Harding).

9.24: Selection, 2YA Concert Orchestra, "Haydn Wood's Songs" (Wood).

9.34: Recording, Gillie Potter, "Mr. Potter Has a Brother" (Potter).

9.40: Soprano with Orchestra, Doris Black, "O Mio Babbino" (Puccini); "Nymphs and Fauns" (Bemberg).

9.46: One-step, 2YA Concert Orchestra, "Handel Wakes" (Morressy).

9.51: Recording, Zonophone Concert Quartet, "Sweet and Low" (Baraby); "Hail, Smiling Morn" (Spafforth).

9.57: Recording, Band of H.M. Coldstream Guards, "Swift and Bold" (Mausfield).

10.0: Dance programme.

3YA CHRISTCHURCH 980 kc.
Monday 18.

3.0: Gramophone recital.
5.0: Children, by Big Brother.

Dinner Music.

6.0: National Symphony Orchestra, "Light Cavalry" Overture (Suppe). The International Concert Orchestra, "Spring, Beautiful Spring" Waltz (Lincke). Zonophone Salon Orchestra, "Killarney" (Balfe).

6.15: H.M. Coldstream Guards Band, "Wedding of the Rose" (Jessel). New Light Symphony Orchestra, "Peer Gynt" Suite, No. 2, Op. 55 (Grieg): (a) "Arabian Dance," (b) "The Return of Peer Gynt," (c) "Solweig's Song." International Concert Orchestra, "Over the Waves" Waltz (Rosas).

6.32: Dajos Bela Orchestra, "The Countess Maritza" Pot-pourri (Kalman). Kiriloff's Russian-Balalaika Orchestra, "Shining Moon" (Russian Folk Song). De Groot and His Orchestra, "Under the Roofs of Paris" (Moretti).

6.48: Zonophone Salon Orchestra, "Old Rustic Bridge" (Skelly). Charles Ancliffe and His Orchestra, "Ancliffe Waltzes" (Ancliffe).

7.0: News and reports.

7.30: W.E.A. Session, Geo. Lawn, M.A., "Banking and Currency" (No. 4).

Concert Programme.

Scottish Programme.

8.0: The Christchurch Scottish Pipe Band, under Pipe-Major J. A. Patterson, "Barren Rocks of Aden," "Earl of Mansfield," "92nd Gordon Highlanders" (all traditional).

8.6: Recording, The Maestros, "Auld Scots Songs" (arr. Francis).

8.10: Recording ('Cello), Lauri Kennedy, "Old Scotch Melody" (arr. Kennedy).

8.14: Contralto, Alice Vinsen, "Angus Macdonald" (Roeckel).

8.18: Scottish Pipe Band, Slow March; "My Home"; "The Blue Bonnets" (Strathspey); "Stirling Castle"; "Mrs. McLeod" (all traditional).

8.28: Scottish Humour, W. B. Lambert, "It's Nice to Get Up in the Morning" (Lauder, arr. Lambert).

8.33: Recording, J. H. Squire Celeste Octet, "Scottish Fantasia" (Mulder).

8.37: Recording (Soprano), Dusolina Gianni, "Bonnie Sweet Bessie" (Gilbert).

8.40: Scottish Pipe Band, "Blue Mountains of Albany"; "Bonawe Highlanders" (both traditional).

8.47: Bass-baritone, T. D. Williams, "The Border Ballad" (Cowan); "Brian of Glenaor" (Graham).

8.52: Recording (Violin), Yehudi Menuhin, "Scottish Pastorale" (Saenger).

8.56: Recording, Argyll Reel and Strathspey Band, "Balmoral—Foursome Reel."

9.0: Weather forecast and notices.

9.2: Rugby Talk. J. T. Burrows, M.A., "Rugby Difficulties in South Africa."

9.17: Scottish Pipe Band, "Piob Mohr"; "Athlone Highlanders" (both traditional).

9.24: Contralto, Alice Vinsen, "Annie Laurie" (Scott); "Callie Herrin" (Traditional).

9.30: Recording, J. H. Squire Celeste Octet, "Song of the Waterfall" (Squire).

9.33: Scottish Humour, W. B. Lambert, "When I Was Twenty-one" (Lauder, arr. Lambert).

9.38: Scottish Pipe Band, "Scotland the Brave"; "The Badge of Scotland" (both traditional).

9.43: Bass-baritone, T. D. Williams, "The Bonnie Banks of Loch Lomond" (McLaren).

9.46: Recording, J. H. Squire Celeste Octet, "Scent of the Jasmine" (Squire).



Karl Atkinson,

who is well known to Wellington listeners, will give another of his gramophone lecture-recitals from 2YA on July 19.

—S. P. Andrew, photo.

9.49: Recording (Tenor), John McCormack, "The Auld Scotch Songs" (Leeson).

9.52: Scottish Pipe Band, "Highland Emigrant's Farewell"; "79th's Farewell to Gibraltar"; "Strathspey, 'Rocking Stone of Inverness'; Reel, Piper Drummond" (all traditional).

4YA DUNEDIN 650 kc.
Monday 18.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children, by Uncle Jack.

Dinner Music.

6.0: Royal Italian Band, "Marcia Reale" (Royal March) (Gabetti). Vienna Philharmonic Orchestra, "Dorfschwalben" Waltz. De Groot and His Orchestra, "Une Heure d'Amour" (Alexander). Mandolin Concert Society, "Echoes of the Volga" (Ratter).

6.21: Jack Hylton and His Orchestra, "Memories of Paris" (Moretti). De Groot (Violin) and David Bor (Piano) with H. M. Calve ('Cello), "El Relicario" (Padilla). New Queen's Hall Light Orchestra, "Britannia" (Overture (Mackenzie).

6.38: J. H. Squire Celeste Octet, "An Old Church Legend", Intermezzo (Trincoen). Royal Italian Band, "Inno di Garibaldi" (Ollivier). De Groot and His Orchestra, "For Ever and for Ever" (Tosti). The Royal Opera Orchestra, Covent Garden, "Eugen, Onegin" Waltz (Tchaikowsky).

6.51: De Groot (violin), David Bor (piano), and H. M. Calve ('cello), "Selection of Hebrew Melodies" (arr. Saunders). J. H. Squire Celeste Octet, "An Irish Love Song" (Squire).

7.0: News and reports.

Concert Programme.

8.0: Programme of recordings. Selection, London Symphony Orchestra, "Night on the Bare Mountain" (Moussorgsky).

8.8: Duet, Gitta Alpar and Herbert Ernst Groh, "One Day a Rapture Ethereal"; "Let Us Fly From These Walls" (both by Verdi).

8.14: Selections, Dajos Bela Orchestra, "O Sole Mio" (arr. Lindermann); "Souvenir" (Pazeller).

8.22: Humour, Ann Penn, "A Dicky Bird Told Me So" (Bourne).

8.25: Overture, National Symphony Orchestra, "Norma" (Bellini).

8.31: Bass-baritone, Peter Dawson, "To the Forest" (Tchaikowsky); "Allah Be With Us"; "How Many a Lonely Caravan" (both by Woodforde-Finden).

8.39: Violin, Jascha Heifetz, "Jota" (de Falla); "Puck" (Grieg).

8.43: Selection, London Symphony Orchestra, "Komarinskaya" (Glinka).

8.50: Quartet and Trio, Bessie Jones, Esther Coleman, B. Hooper and Foster Richardson, "Slave, Sweet Girl, Believe Me"; Bessie Jones, Esther Coleman and Foster Richardson, "Hate and Rage" (both by Verdi).

8.56: Waltzes, Dajos Bela Orchestra, "Waltzes from Vienna" (J. Strauss).

9.0: Weather report and notices. Talk: Mr. W. G. McClymont, "Solving India's Problems."

9.17: Selection, Berlin State Opera Orchestra, "The Beautiful Galathea" (Suppe).

9.24: Soprano, Elsie Suddaby, "The Almond Tree" (Schubert); "The Mocking Fairy" (Besly).

9.30: Descriptive Selection, The Little Salon Orchestra, "Springtime in the Forest" (Zimmer).

9.36: Foxtrot, Tampa Blue Orchestra, "River, Stay 'Way From My Door" (Dixon).

9.39: Tenor, Richard Tauber, "My Greetings" (Grothe); "I Loved You More" (Rotter).

9.45: Selection, National Symphony Orchestra, "Bolero in D Major" (Moszkowski).

9.48: Humour, Mr. Flotsam and Mr. Jetsam, "Sing a Song of England" (Flotsam and Jetsam).

9.54: Selection, Kalama's Hawaiian Quartet, "Lei Ana Ika Mokihana."

9.57: March, Band of H.M. Grenadier Guards, "The Middy" (Alford).

2YB NEW PLYMOUTH 1230 kc.
Monday 18.

7.0 to 8.0: Family session, conducted by Uncles Joe and Ted.

8.0 to 10.0: Studio concert.

Tuesday
[July 19]

1YA AUCKLAND 902 kc.
Tuesday 19.

3.0: Selected recordings and literary selection.

4.30: Sports results.

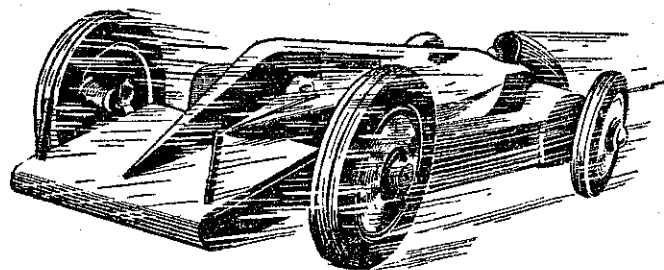
5.0: Children, by Uncle Dave.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "La Fera—Spanish Suite" (Lacome). Johann Strauss and Symphony Orchestra, "Freuet Euch des Lebens" Waltz (Strauss). Brunswick Concert Orchestra, "Rosine" (Warde).

6.13: Orchestra Mascotte, "The Faithful Hussar" (Frantzen). Berlin State Opera House Orchestra, "Polonaise No. 2" (Liszt). A. and P. Gipsies, "The Faraway Bells" (Furber-Gordon). H.M. Grenadier Guards Band, "Merrie England" Selection (German).

6.35: Brunswick Concert Orchestra, "Dixie March" (Emmett). Frank Westfield's Orchestra, "Chu Chin Chow" Selection (Ashe-Norton). Johann Strauss and Symphony Orchestra, "Thousand and One Nights" Waltz (Strauss). New Light Symphony Orchestra, "Hearts and Flowers" (Tobani).



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6.50: Lucerne Kursaal Orchestra, "Dance of the Flowers" (Delibes). Orchestra Mascotte, "Woodland Joys—Novelty Waltz" (Lindstrom).
7.0: News and reports.
7.30: Talk. Dr. F. G. Shepherd, "Superphosphate and its Effect on Soil Fertility."

Concert Programme of Recordings.

8.0: Bournemouth Municipal Orchestra, "Don Giovanni" (Mozart).
8.9: Layton and Johnstone, "Layton and Johnstone Favourites."
8.17: Piano, William Murdoch, "Norwegian Bridal Procession" (Grieg); "Valse Triste" (Sibelius).
8.25: Band of H.M. Grenadier Guards, "Hyde Park Suite" (Jalowiec).
8.33: Soprano, Elsa Alsen, "Isolde Liebestod" (Wagner).
8.41: Piano and Violin, "Sergei Rachmaninoff and Fritz Kreisler, 'Allegro Animato from Sonata in C Minor' (Grieg).
8.49: Bass, Paul Robeson, "Seem Lak to Me" (Johnson); "Down de Lovers Lane" (Cook).
8.55: Marek Weber and His Orchestra, "The Nightingale's Morning Greeting" (Recktenwald); "The Squirrel Dance" (Smith).
9.1: Weather forecast and notices.
9.3: Talk. Capt. F. Bauer, "The East."
9.23: Organ, Sydney Gustard, "Song Memories of the Past."
9.31: Vocal Duet, Winnie Melville and Derek Oldham, "Sympathy"; "The Chocolate Soldier" (both by O. Strauss).
9.39: Milan Symphony Orchestra, "Le Maschere—Sinfonia" (Mascagni).
9.47: Male Quartet, Gresham Singers, "The Shepherdess" (MacMurrough); "The Meeting of the Waters" (Moore-Johnson).
9.53: Gillie Potter, Mr. Potter Waxes Historical" (Potter).
9.59: American Legion Band, "March Salutation" (Seitz).

2YA WELLINGTON 720 kc.
Tuesday 19.

10.0: Selected recordings.
10.30: Devotional service.
11.12: Lecturette, "Fabrics and Fashions."
12.0: Lunch music.
2.0: Educational session.
3.0: Selected recordings.
3.30 and 4.30: Sports results.
5.0: Children, by "Jumbo."

Dinner Music.

6.0: Columbia Symphony Orchestra, "Maritana—Overture" (Wallace). Dajos Bela Orchestra, "Marien Klange—Waltz" (Strauss). New Mayfair Novelty Orchestra, "Uncle Pete" (Jones).
6.15: The J. H. Squire Celeste Octet, "Memories of Tschalkowsky" (arr. Sear).

Debroy Somers Band, "A Musical Comedy Switch" (arr. Hall).

6.31: Johann Strauss and Symphony Orchestra, "Kiss—Waltz" (Strauss).
 Symphony Orchestra, "La Vida Breve"—Spanish Dance (De Falla). New Light Symphony Orchestra, "Madam Butterfly—Selection" (Puccini).
6.46: New Mayfair Novelty Orchestra, "Jollification" (Reeves). London Coliseum Orchestra, "Leslie Stuart Melodies" (Stuart). Albert W. Ketelbey's Concert Orchestra, "Jungle Drums—Patrol" (Ketelbey).

7.0: News and reports.

7.40: Lecturette. Representative of the Agricultural Department, "For the Man on the Land."

Concert Programme.

8.0: Selection, Frank Crowther's Novelty Orchestra, "Babylonia" (Williams).
8.10: Soprano, Lillian Thompson, "Stay in Your Own Back Yard" (Udall). Duet, Lillian Thompson and Barbara Gebbie, "Life's Dream is O'er" (Ascher).
8.16: Piano-acordion, J. A. Blackwood, "Melody of Old Time Airs" (arr. Blackwood).
8.22: Recording (humour), Reg. Grant, "Why Did I Leave My Little Back Room" (Carter); "At Trinity Church I Met My Doom" (Gilbert).
8.28: Trumpet, Dick Colvin, "Come into the Garden, Maud" (Balfé). Waltz, Frank Crowther's Novelty Orchestra, "A Gaiety Girl" (Jones). Schottische, "Four Little Blackberries" (Allen).
8.38: Contralto, Barbara Gebbie, "Ben Bolt." Duet, Lillian Thompson and Barbara Gebbie, "Whisper and I Shall Hear" (Piccollomini).
8.44: Recording (humour), Charles Coburn, "Two Lovely Black Eyes" (Scanlan); "The Man that Broke the Bank at Monte Carlo" (Gilbert).
8.50: Xylophone, S. Bernard, "Medley of Sousa Marches." Piano Improvisation, Frank Crowther, "Silver Threads Among the Gold" (both arr. Crowther).
9.0: Weather report and notices.
9.2: Reserved.
9.20: Selection, Frank Crowther's Novelty Orchestra, "Community Land" (arr. Stodden).
9.30: Gramophone Lecture Recital by Karl Atkinson, "Musical Shows of Yesterday."

4YA DUNEDIN 650 kc.
Tuesday 19.

3.0: Selected recordings.
4.30: Sports results.
5.0: Children, by Aunt Leonore.

Dinner Music.

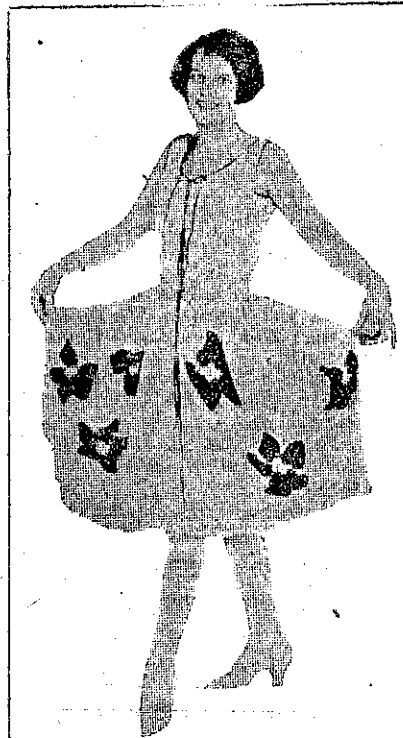
6.0: Milan Symphony Orchestra, "Mignon—Overture" (Thomas). Organ solo, Jesse Crawford, "Serenade" (Romberg). New Symphony Orchestra, "Pastoral Dance from 'Nell Gwynn'" (German). Zonophone Salon Orchestra, "Mighty Lak a Rose" (Nevin).
6.18: New York Symphony Orchestra, "Entrance of the Little Fauns" (Pierne). De Groot and the Piccadilly Orchestra, "Till I Awake" (Woodforde-Finden). Vienna Philharmonic Orchestra, "Die Fledermaus—Waltz" (Strauss). Brunswick Concert Orchestra, "La Danseuse" (Von Blon). A. and P. Gypsies Orchestra, "My Memories."
6.36: The Salon Orchestra, "Chinese Lullaby" (Bowers). Orchestra Mascotte, "The Girl in the Taxi—Waltz" (Petras). Peter Biljos's Balalaika Orchestra, "Blowing Winds" (Ukrainian

Medley). The Salon Orchestra, "Sleepy Valley" (Hanley).

6.48: Organ solo, Jesse Crawford, "Indian Love Call" (Friml). De Groot and the Piccadilly Orchestra, "The Temple Bells" (Woodforde-Finden). A. and P. Gypsies Orchestra, "Bohemian Romance."

7.0: News and reports.

7.30: W.E.A. Session: Professor Benham, "Biology and the Human Race."



Cecile Audibert
 (Soprano).

who will sing three numbers from 3YA on July 20, including the famous "Blue Danube Waltz."

Concert Programme.

8.0: Thirty Minutes of Recordings.
8.30: March, Kalkorai Band, "Old Comrades" (Telke).
8.34: Tenor, C. R. Williamson, "Go Not, Happy Days" (Bridge); "Sea Rapture" (Coates).
8.40: Selection, The Band, "If I Were King" (Adam).
8.48: Recording, Nellie Stewart, "Sweet Nell of Old Drury" (1) "Nell Gwynn's Entrance"; (2) "Finale—Act 1."
8.56: Euphonium, M. Clark, "Land of Hope and Glory" (Elgar).
9.0: Weather report and notices.
9.2: Recorded Talks by Well-known Authors (No. 1), John Buchan, M.P., "The Life and Work of Sir Walter Scott."
9.17: Baritone, J. McNaughton, "The Skipper" (Jude); "The Desert Song" (Romberg).
9.23: Selection, The Band, "Trooping the Colours" (Holloway).
9.33: Recording (Talking), Henry Ainley, "The Charge of the Light Brigade" (Tennyson); "A Chant of Love for England" (Cone); "The Bells" (Poe).
9.40: Recording, New Mayfair Orchestra, "Uncle Pete" (Jones).
9.43: Tenor, C. R. Williamson, "Springtime" (Tirindelli); "Smilin' Through" (Penn).
9.48: Descriptive Waltz, The Band, "The Passing of Salome" (Joyce).

9.53: Baritone, Mr. J. McNaughton, "Friend o' Mine" (Sanderson); "Lochnagar" (arr. Maxwell).

9.59: March, The Band, "Imperial Echoes" (Safroni).

Wednesday [July 20]

IYA AUCKLAND 902 kc.
Wednesday 20.

3.0: Selected recordings and literary selection.

4.30: Sports results.

5.0: Children, by Uncle Reg.

Dinner Music.

6.0: Brunswick Concert Orchestra, "Over There" March (Cohan). Orchestra Mascotte, "Love Bells" Waltz (Benatzky). J. H. Squire Celeste Octet, "Scent of the Jasmine" (Squire). Band of H.M. Grenadier Guards, "Old Folks at Home and in Foreign Lands" (arr. Roberts).
6.17: Philadelphia Symphony Orchestra, "Tales from the Vienna Woods" Waltz (Strauss). Grand Symphony Orchestra, "A Children's Overture" (Quilter). Anglo-Persians' Orchestra, "A Siren Dream" (Pollack-Sherman).
6.32: Roof Garden Orchestra, "Fairly on the Clock" (Reaves-Myers). International Concert Orchestra, "Danube Waves" Waltz (Ivanovici). J. H. Squire Celeste Octet, "Albumblatt" (Wagner). Anglo-Persians' Orchestra, "Dancing Tambourine" (Polla).
6.46: The Classic Symphony Orchestra, "La Cimarosiana" (Cimarosa, arr. Mallipiero). Orchestra Mascotte, "Mimosa Waltz" (Jones).
7.0: News and reports.

Concert Programme.

8.0: Selected recordings.
8.30: Trio, Viennese Trio, "Hungarian Dance" No. 5" (Brahms). Harp, Blackbird" (Thomas).
8.36: Contralto, Aimee Clapham, "Lotus Flower" (Schumann); "Little Chinese Mandarin"; "Love, the Jester" (both by Phillips).
8.45: Recording, Jimmy O'Dea and Harry O'Donovan, "The Walter" (O'Donovan).
8.48: Cello, Viennese Trio, "Broken Melody" (Van Biene).
8.52: Tenor, H. Jessop, "I Pitch My Lonely Caravan"; "The Little Green Balcony" (both by Coates).
8.58: Recording, Rumanian Gipsy Orchestra, "Caucasian Pot-pourri".
9.1: Weather forecast and notices.
9.3: Talk. Fred Lucas, "How Seriously New Zealanders Take the Rugby Football Game on Tour."
9.18: Violin, Viennese Trio, "Czardas" (Monti). Trio, "Peter Gink" (Cobb).
9.25: Tenor, H. Jessop, "Mountain Lovers" (Squire); "Youth" (Ahlitsen).
9.30: Programme of dance music.

2YA WELLINGTON 720 kc.
Wednesday 20.

10.0: Selected recordings.
10.30: Devotional service.
11.37: Lecturette, "Hollywood Affairs."
12.0: Lunch music.
2.0: Selected recordings.
3.30 and 4.30: Sports results.
5.0: Children, by Aunt Molly.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "The Mill on the Cliffs" Overture

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(Reissiger). Plaza Theatre Orchestra, "Lovers' Lane Minuet" (Tours). Royal Cinema Orchestra, "King of Jazz" Selection (Yellen and Ager).

6.19: Orchestra Symphonique (of Paris), "Norwegian Rhapsody" (Lalo). The Regal Salon Orchestra, "Memories of Schubert" (Schubert).

6.35: London Symphony Orchestra, "Norwegian Dances, Nos. 1 and 2" (Grieg). The Victor Olof Orchestra, "The New Moon" Selection (Romberg).

6.48: Madrid Symphony Orchestra, "Noche de Arabia" (Arabian Nights) (Arbos). National Symphony Orchestra, "Melody in F" (Rubinstein).

7.0: News and reports.

Concert Programme of Recordings.

8.2: Overture, The Polydor String Orchestra, "La Muette de Portici" (Auber).

8.10: Tenor, Richard Tauber, "On the Volga" (Sab); "Gipsy Life" (Borganoff).

8.18: Cello, Hans Bottermund, "Serenata" (Leoncavallo); "On the Fountain" (Davidoff).

8.24: Concerted, Chorus and Orchestra of La Scala, Milan, "Drinking Song"; "The Storm" ("Othello") (both by Verdi).

8.32: Fantasy, Berlin State Opera Orchestra, "From Opera to Opera" (Sches-tak).

8.40: Soprano, Emy Bettendorf, "Speak Not of Love Eternal" (Marschka); "The Love Waltz" (Liebmann).

8.48: Wurlitzer, Leslie James, "Everybody's Melodies" (N.C.).

8.54: Humour, Flotsam and Jetsam, "Only a Few of Us Left"; "The Alsatian

and the Pekingese"; "The Postscript" (all by Flotsam and Jetsam).

9.0: Weather report and notices.

9.2: Lecturette, Dr. Guy H. Scholefield, O.B.E.

9.17: Selection, Marek Weber and His Orchestra, "The Flower of Hawaii" (Abraham).

9.25: Bass, Paul Robeson, "My Heart is Where the Mohawk Flows" (Robinson); "The Folks I Used to Know" (Chadwick).

9.31: Waltz, Original Marimba Band, "Dance of the Tea Dolls" (Hagen); "Little Snow-White Wedding" (Plessow).

9.37: Tenor, Richard Crooks, "All Through the Night" (Welsh Air); "Beautiful Isle of Somewhere" (Fearis).

9.43: Selection, Salon Orchestra, "From Italy" (arr. Langey).

9.46: Humorous Sketch, "The Volunteer Organist Up-to-Date" (N.C.).

9.52: Band, Black Diamonds Band, "Song of the Guards" (Valentine); "Out of the Blue" (Hutchison)

3YA CHRISTCHURCH 980 kc.
Wednesday 20.

3.0: Gramophone recital.

5.0: Children, by Uncle Bill.

Dinner Music.

6.0: Bournemouth Municipal Orchestra, "The Bronze Horse" Overture (Auber). Debroy Somers' Band, "Hungarian Medley"—One-step (arr. Debroy Somers). Rio Novelty Orchestra, "Mien-tras Llorra el Tango" (Barabine).

6.16: Columbia Symphony Orchestra, "Idilio" (Lack). Albert W. Ketelbey's

Concert Orchestra, "Cockney Suite": (1) "A State Procession," (2) "The Cockney Lover," (3) "At the Palace de Dance," (4) "Elegy," (5) "Bank Holiday" (Ketelbey).

6.35: Salon Orchestra, "By the Light of the Stars" (Shay). Gil Dech Ensemble, "Valse Parisienne" (Roberts, arr. Barry). Debroy Somers' Band, "Mister Cinders" Selection (Ellis and Myers).

6.47: Rio Novelty Orchestra, "Spaventa" Tango (Pares). Columbia Symphony Orchestra, "Spring Song" (Mendelssohn). J. H. Squire Celeste Octet, "Air on G String" (Bach, arr. Sear). Gil Dech Ensemble, "Italian Nights" (Roberts).

7.0: News and reports.

7.30: Addington Stock Market Reports.

Concert Programme.

8.0: Studio Orchestra (Harold Beck, Conductor), "Holiday Dance" (Rubinstein); "Athalie" Overture (Mendelssohn).

8.12: Recording, Male Voice Choir of Vienna, "Die Nacht" (Schubert).

8.16: Piano, Marjorie M. I. Scott, "2nd Arabesque" (Debussy); "Cracovienne Fantastique" (Paderewski).

8.20: Soprano, Cecily Audibert, "Dear Friends, Farewell" (Donizetti); "Mon Coeur Chante" (Chaminade).

8.26: Suite, Studio Orchestra, "Bouree"; "Sicilienne"; "Minuet"; "Canon" (Dolmetsch).

8.36: Recording (Tenor), Tito Schipa, "Mandolinata a Napule" (Tagliaferri).

8.40: Piano, Marjorie M. I. Scott, "Etude in C Sharp Minor"; "Waltz in G. Flat Major" (both by Chopin).

8.46: Baritone, Lawrence A. North, Australian Bush Songs, (a) "Bush Night Song"; (b) "Comrades of Mine" (James).

8.51: Studio Orchestra, "Old English Dance Tunes" (Carse); "Golden Light" (Bizet); "Caprice" (Moszkowski).

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Soprano, Cecily Audibert, "The Blue Danube" (Strauss).

9.21: Baritone, Lawrence A. North, "The Curfew" (with Orchestra) (Gould).

9.26: Studio Orchestra, "Carmen" (Bizet).

9.30: Dance music.

4YA DUNEDIN 650 kc.
Wednesday 20.

3.0: Selected recordings.

3.15: Talk. Home Science Extension Department of Otago University, "More About Bread-making."

4.30: Sports results.

5.0: Children, by Big Brother Bill.

Dinner Music.

6.0: Bournemouth Municipal Orchestra, "Crown Diamonds" Overture (Auber). Dajos Bela Orchestra, "Viennese Life" Waltz (Translateur). Regimental Band of H.M. Grenadier Guards, "The Turkish Patrol" (Michaelis). Organ, Terence Casey, "Bird Songs at Eventide" (Coates).

6.16: Grand Symphony Orchestra, "Tales of Hoffman—Entr'acte and Minuet" (Offenbach). Berlin State Opera House Orchestra, "Wine, Women and Song" Waltz (Strauss). Piccadilly Orchestra, "My Beloved Gondolier" (Tibor).

6.30: Regimental Band of H.M. Grenadier Guards, "The Smithy in the Woods" (Michaelis). Orchestra Mascotte, "Amoureuse" Waltz (Berger). Grand Symphony Orchestra, "Tales of Hoffman" Barcarolle (Offenbach); "Fra Diavolo" Overture (Auber).

6.48: Organ, Terence Casey, "I'm Lonely" (Coates). Eddie Thomas's Col-

legians, "The Missouri Waltz." H.M. Grenadier Guards Band, "Country Dance" (German).

7.0: News and reports.

Concert Programme.

8.0: Relay from Dunedin Town Hall. First Concert by the Dunedin Symphony Orchestra. Conductor, Mons B. L. E. de Rose.

Overture, The Orchestra, "Procession of Maquedo, Queen of Sheba" (de Rose). Tenor, James McDonald, "All Hail, Thou Dwelling, Pure and Lowly" (Gounod); "La Donna e Mobile" (Verdi).

Soprano, Lillian McDonald, "Softly Awakes My Heart" (Saint-Saens); "Waltz Song" (Puccini).

Symphonic Poem, The Orchestra, "Adromeda" (Holmes).

Weather report and notices.

Selections, The Orchestra, "Marche Heroique" (Saint-Saens); "Nocturne, Op. 48, No. 1" (Chopin); "Gipsy Rondo" (Haydn).

Tenor, James McDonald, "Angels Guard Thee" (Godard); "For You Alone" (Geehl).

Soprano, Lillian McDonald, "For All Eternity" (Macheroni); "Violets for Thee I Gather" (Meyer-Helmund).

Fantasia, The Orchestra, Fantasia from "Mephistopheles" (Boito).

9.30: Dance music.

2YB NEW PLYMOUTH 1230 kc.
Wednesday 20.

6.30: to 7.30: Children's session, conducted by Uncle Ted and Aunt Betty.

8.0 to 10.0: Studio concert.

Thursday
[July 21]

IYA AUCKLAND 902 kc.
Thursday 21.

12.15: Selected recordings.

12.30: Relay. Mid-day service from St. Matthew's Church.

3.0: Selected recordings.

3.15: Home Science Talk, prepared by the Home Science Extension Service of Otago University, "What Shall We Have for Tea?"

4.30: Sports results.

5.0: Children, by Skipper.

Dinner Music.

6.0: La Scala Orchestra, "The Secret of Susanna" Overture (Wolf-Ferrari). New Symphony Orchestra, "Mors et Vita—Judea" (Gounod). Berlin State Opera Orchestra, "German Dances" (Mozart).

6.15: Marek Weber and His Orchestra, "Dreams on the Ocean" Waltz (Gung'l). Novelty Orchestra, "Midnight Bells" (Heuberger). New Mayfair Orchestra, "Follow Through" Selection (de Sylva, Brown and Henderson).

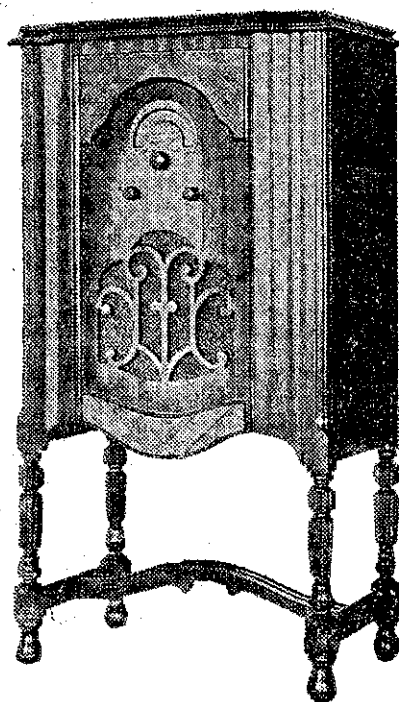
6.30: J. H. Squire Celeste Octet, "Operatic" (arr. Squire). Royal Opera Orchestra, "Naila" Waltz (Delibes, arr. Doppler). Symphony Orchestra, "Waltz of the Hours"; Variations from "Coppelia" (Delibes).

6.50: Novelty Orchestra, "Passion Rose" (Lehar). Marek Weber and His Orchestra, "Tres Jolie" Waltz (Waldteufel).

7.0: News and reports.

Concert Programme.

8.0: Programme by Orpheus Musical Club. March, The Orchestra, "Old Faithful" (Holzmann). Overture, "The Jolly Robbers" (Suppe).



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8.12: Contralto, Mrs. L. E. Lambert, "Caro Mio Ben" (Giordanni); "Trees" (Rasbach).

8.18: Recording, Royal Opera Chorus and Orchestra, Opening Chorus—"Carmen" (Bizet).

8.22: Flute, Will Henderson, "La Traviata" Concert Waltz (Popp).

8.25: Baritone with Orchestra, Frank Sutherland, "The Organ Blower" (Barker).

8.29: Recording, Columbia Artists, "Columbia on Parade."

8.37: Suite, The Orchestra, Indian Love Lyrics" (Woodforde-Finden): (a) "Temple Bells"; (b) "Less than the Dust," (c) "Kashmiri Song," (d) "Till I Wake."

8.46: Duet, Mrs. Lambert and Frank Sutherland, "Snowdrops" (Lehmann).

8.50: Recording, Wish Wynne, "Cinderella" (Wynne).

8.56: Trio, Will Henderson, Ralph Isherwood, Harry Woolley, "Fantasia for Flute, Piano and Violin" (Leroux).

9.1: Weather forecast and notices.

9.3: Reserved.

9.18: Selection, The Orchestra, "Iolanthe" (Sullivan).

9.26: Contralto, with Orchestra, Mrs. Lambert, "Beloved, It Is Morn" (Aylward).

9.30: Recording (Piano), Arthur de Greef, "Ariette"; "To the Spring" (both by Grieg).

9.34: Characteristic Pieces, "The Orchestra, "La Golondrina" (Serradell); "The Butterfly" (Bendix).

9.42: Baritone, with Orchestra, Frank Sutherland, "When the Sergeant-Major's on Parade" (Longstaffe).

9.46: Recording, A Miniature Concert.

9.54: Hungarian Fantasia, The Orchestra, "Roszika" (arr. Roberts).

Concert Programme.

8.0: Recording, Regal Cinema Orchestra, "Broadway" (Conrad).

8.8: Contralto, Ngarie Coster, "As Bess One Day" (Lehmann); "Amarella" (Winne).

8.14: Instrumental, Izett Novelty Instrumental Trio, "Mirror Dance" (Izett); "Midnight Reflections" (Malneck); "Punch and Judy Show" (Black).

8.26: Recording (Humour), Clayham and Dwyer, "The Royal and Ancient Game" (Dwyer).

8.32: Duets, Jeanette Briggs and Ngarie Coster, "Such Merry Maids Are We" (Marzials); "In the Dusk of the Twilight" (Offenbach).



Frances Hamerton
(Soprano),

who will sing a song cycle by Landon Ronald during the studio concert from 3YA on July 17.

8.38: Instrumental, Izett Novelty Instrumental Trio, "Negro Melodies" (arr. Harper); "Knave of Diamonds" (Steele); "Sally" (Haines).

8.50: Recording (Humour), Will Fyffe, "The Engineer" (Fyffe).

8.54: Soprano, Jeanette Briggs, "Bird of Twilight" (Gould); "The Swallows" (Cowan).

9.0: Weather report and notices.

9.2: Radio Play, "The Flowers Are Not For You to Pick" (Guthrie). (Produced by Victor S. Lloyd).

3YA CHRISTCHURCH 980 kc.
Thursday 21.

8.0: Gramophone recital.

8.15: Home Science Talk, prepared by Home Science Extension Service of Otago University, "What Shall We Have For Tea."

9.0: Children, by "Ladybird" and "Uncle Frank."

Dinner Music.

6.0: Marek Weber and His Orchestra, "Mikado—Selection" (Sullivan). J. H. Squire Celeste Octet, "On Wings of Song" (Mendelssohn). Marek Weber and His Orchestra, "Blumenlied, Op. 39" (Lange). Plaza Theatre Orchestra, "The Busy Bee" (Bendix). Plaza Theatre Orchestra, "Chanson—In Love" (Friml); "Love Everlasting" (Friml).

6.20: Marek Weber and His Orchestra, "Luna Waltz" (Lincke). Band of H.M. Coldstream Guards, "Sir Harry

Lauder Medley." Marek Weber and His Orchestra, "Rustle of Spring" (Sinding). The Regimental Band of H.M. Grenadier Guards, "La Paloma" (Yradier).

6.34: Dinicu and His Orchestra, "Destiny Waltz" (Baynes). Jacques Jacob's Ensemble, "Wiener Blut" (Strauss). J. H. Squire Celeste Octet, "Ave Maria" (Bach-Gounod). The Regimental Band of H.M. Grenadier Guards, "Twist and Twirl" (Kottaun). Plaza Theatre Orchestra, "My Lady Dainty" (Hesse).

6.50: Dinicu and His Orchestra, "Adoration"—Tango (Bianco). Marek Weber and His Orchestra, "My Darling—Waltz" (Waldteufel).

7.0: News and reports.

7.30: Talk, F. E. Hutchinson (School of Forestry), "Forestry."

Concert Programme of Recordings.

8.0: March, Black Diamonds Band, "Entry of the Gladiators" (Fucik).

8.3: Baritone, Peter Dawson, "The Deathless Army" (Trottere).

8.7: Violin, Mischa Elman, "None but the Aching Heart" (Tschalkowsky).

8.11: Tenor, Barrington Hooper, "Then You'll Remember Me" (Balfe).

8.14: New Mayfair Orchestra, "Jollification" (Reeves).

8.17: Light Opera Co., Vocal Gems "Sunny" (Kern).

8.21: Parlophone Dance Orchestra, "The Skaters" (Waldteufel).

8.24: Baritone, Peter Dawson, "The Man Who Brings the Sunshine" (Cooper).

8.27: Argyle and Sutherland Highlanders Band, "Miserere" (Verdi, arr. Alford).

8.30: Contralto and Chorus, Esther Coleman, "Oro Pro Nobis" (Piccolomini).

8.33: Violin, Yelli D'Aranyi, "Grave" (Corti).

8.36: Vocal Duet, Walter Glynn and Stuart Robertson, "Watchman What of the Night" (Sergeant).

8.39: Sketch, Michael Casey and Company, "Casey's Birthday Party" (Casey).

8.42: Piccolo Duet, Jean and Pierre Gennin, "The Jolly Whistlers" (Gennin).

8.45: Bass, Robert Easton, "The Gay Highway" (Drummond).

8.48: The Fillmore Band, "The Whistling Farmer's Boy" (Fillmore).

8.51: Organ, Stanley Macdonald, "Tango" (Handel).

8.54: Comedienne, Wish Wynne, "Bluebeard" a Bedtime Story (Wynne).

8.57: J. H. Squire's Celeste Octet, "Funeral March of a Marionette" (Gounod, arr. Sear).

9.0: Contralto, Essie Ackland, "Melisande in the Wood" (Goetz).

9.3: Weather forecast and notices.

9.5: Talk, Professor J. Hight, "London and New York."

9.20: Bass, Foster Richardson, "A Jovial Monk Am I" (Andrew).

9.23: The Big Four, "Jolly Good Company" (Wallace).

9.26: Waltz, International Novelty Quartet, "Merry Widow" (Lehar).

9.29: Comedian, Harry Hemsley, "Miserable Farm" (Wallis).

9.32: Royal Opera Orchestra, "Peer Gynt"—"Death of Ase" (Grieg).

9.36: Beniamino Giglio, "Goodbye" (Tosti).

9.40: Sheffield Orpheus Male Choir, "The Long Day Closes" (Sullivan).

9.44: Philadelphia Symphony Orchestra, "Dance Macabre" (Saint-Saens).

9.52: Soprano, Dusolina Gianninni, "Love Has Eyes" (Bishop).

9.55: Barn Dance, London Novelty Orchestra, "Happy Darkies" (Godfrey).

9.58: Brunswick Merry Makers, "The Merry Makers in Hawaii" (Ford).

10.2: Waltz, Jacques Jacob's Ensemble, "Estudiantina" (Waldteufel).

Friday [July 22]

1YA

AUCKLAND 902 kc.
Friday 22.

12.30: Relay. Community Singing from Lewis Eady Hall.

3.0: Selected recordings and literary selection.

4.30: Sports results.

5.0: Children, by Nod and Aunt Dorothea.

Dinner Music.

6.0: Grand Symphony Orchestra, "The Great Elysier" Pot-pourri" (arr. Rhuby). New Concert Orchestra, "Hydropaten" Waltz (Gung'l). Organ, Stanley Macdonald, "Nicolette" (Batten, Campbell and Connolly). Court Symphony Orchestra, "The Gondoliers" Selection (Sullivan).

6.22: Band of H.M. Grenadier Guards, "La Benediction des Poignards" (Meyerbeer). J. H. Squire Celeste Octet, "Mignon—Introduction et Romanse" (Thomas). Orchestre Symphonique de Paris, "L'Arlésienne" (Bizet)—"Incidental Music—Prelude—Overture Act 1."

Organ, Terence Casey, "The Irish Organist" Medley (arr. Casey).

6.43: New Concert Orchestra, "Jolly Fellows" Waltz (Vollstedt). Band of H.M. Grenadier Guards, "Lo! Here the Gentle Lark" (Bishop, arr. Godfrey).

Organ, Stanley Macdonald, "Was it a Dream?" (Coslow). J. H. Squire Celeste Octet, "Mignon" Polonaise (Thomas).

7.0: News and reports.

7.30: Sports talk.

Concert Programme.

8.0: Recording, National Military Band, "Liberty Bell" (Souza).

8.5: Soprano, Mrs. Laetitia Parry, "O, Ship of My Delight" (Phillips); "O That We Two Were Maying" (Nevin).

8.11: Recording, John Henry and Blossom, "Joe Murgatroyd's Letter" (Henry).

8.17: March, 1YA Chamber Orchestra, "National Emblem" (Bagley). Suite, "The Crown of India" (Elgar).

8.27: Baritone, Morris T. Schroder, "A Light Song, a Bright Song"; "A Little Gleam of Sun" (both by Drummond).

8.32: Flute and Horn Duet, V. Cater and H. Benn, "Serenade" (Titi).

8.36: Recording, Light Opera Company, "Babes in Toyland" Vocal Gems (Herbert).

8.40: Organ Recital, Arthur E. Wilson, "Adante, from 'Surprise Symphony'" (Haydn); "The Lost Chord" (Sullivan); "Air du Roi Louis XIII" (Ghis); "Chant Heroique" (Frank).

9.0: Weather forecast and notices.

9.2: Talk, Julius Hogben, "By-laws of London Three Hundred Years Ago."

9.17: Suite, The Orchestra, "Three Famous Pictures" (Wood): (a) "The Village Wedding," (b) "The Doctor," (c) "The Laughing Cavalier."

9.27: Recording, Reg. Grant, "Louisiana Lou" (Stuart); "The Dandy-Coloured Coon" (Le Brun).

9.33: Soprano, Mrs. Laetitia Parry, "Dream Tryst" (Cadman); "The Ash Grove" (Traditional).

9.38: The Orchestra, "Oriental" (Cui); "Japanese Carnival" (Basque).

9.45: Baritone, Morris T. Schroder, "Shipmates o' Mine" (Sanderson); "An Emblem" (Thompson).

9.51: Recording, Pat Hanna, "It Isn't Love—It's Bacchus" (Hanna).

9.54: Valse, The Orchestra, "Vienna Beauties" (Ziehrer).

2YA WELLINGTON 720 kc.
Thursday 21.

10.0: Selected recordings.

10.30: Devotional service.

11.37: Lecturette, Representative of the Health Department, "Health Hints."

12.0: Lunch music.

2.0: Selected recordings.

3.15: Lecturette, Miss I. F. Meadows, "What Shall We Have for Tea?" Talk prepared by the Home Science Extension Department of the Otago University.

3.30 and 4.30: Sports results.

5.0: Children, by Big Brother Jack.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "Preciosa Overture" (Weber). Brunswick Salon Orchestra, "Trees" (Rasbach). Chicago Symphony Orchestra, "Serenade" (Volkman); "Flight of the Bumble Bee" (Rimsky-Korsakov).

6.15: Cleveland Symphony Orchestra, "The School of the Fauns" (Pierne). Alexandre Glazounov and Symphony Orchestra, "The Season's Ballet—Autumn" (Glazounov): (a) "Bacchanal"; (b) "Petit Adagio"; (c) "Les Bacchantes." The Classic Symphony Orchestra, "Peer Gynt Suite, No. 1" (Grieg): (a) "Morning"; (b) "The Death of Ase"; (c) "Anitra's Dance"; (d) "In the Hall of the Mountain King."

6.37: The J. H. Squire Celeste Octet, "Scottish Fantasia" (Mukder). New Light Symphony Orchestra, "Princess Ida—Selection."

6.49: Herman Finck and His Orchestra, "Plantation Melodies" (arr. Finck). Cleveland Symphony Orchestra, "Shepherd's Hey" (Grainger).

7.0: News and reports.

7.30: W.E.A. Session: L. R. Palmer, M.A., Dip. J., "Makers of New Zealand" (No. 1)—Edward Gibbon Wakefield).

2YA WELLINGTON 720 kc. Friday 22.

- 10.0: Selected recordings.
10.30: Devotional service.
11.12: Lecturette, "Fashions."
12.0: Lunch music.
2.0: Selected recordings.
3.30 and 4.30: Sports results.
5.0: Children, by Uncle Jim.

Dinner Music.

6.0: Philadelphia Symphony Orchestra, "Damnation of Faust—Marche Hongroise" (Berlioz). New Mayfair Orchestra, "Sons o' Guns" Selection. International Novelty Orchestra, "Gold and Silver" Waltz (Lehar).

6.15: Virtuoso String Quartet, "The Emperor" Quartet" (Haydn); Theme and Variations. Jack Hylton and His Orchestra, "Lonesome Little Doll" (Boutleje). De Groot and His Orchestra, "I Love You" (Grieg). The London Palladium Orchestra, "Longing" (Haydn-Wood). Organ, Edward O'Henry, "Dream Lover" (Schertzinger). London Novelty Orchestra, "Love in Idleness" (Macbeth). Philadelphia Symphony Orchestra, "Samson and Delilah" Bagchannale (Saint-Saens). International Novelty Orchestra, "Emperor Waltz" (Strauss).

6.43: Virtuoso String Quartet, "Londonderry Air" (arr. Bridge). Jack Hylton and His Orchestra, "Steppin' Out" (Vauchant). De Groot and His Orchestra, "Romance" (Rubinstein).

6.51: The London Palladium Orchestra, "Vivienne" (Finck). Organ, Edward O'Henry, "Just as We Used to Do" (Rulli).

7.0: News and reports.

Concert Programme.

8.0: Thirty minutes of selected recordings.

8.30: Suite, 2YA Concert Orchestra (Conductor, Leon de Mauny), "From Meadow to Mayfair" (Coates): (1) "In the Country," (2) "A Song by the Way," (3) "Evening in Town."

8.42: Mezzo-contralto, Irene Horniblow, "The Blacksmith" "The Sandyman" (both by Brahms).

8.48: Instrumental, 2YA Concert Orchestra, "Czardas" (Monti); Valse, "Brune ou Blonde" (Waldteufel).

9.0: Weather report and notices.

9.2: Reserved.

9.15: Mezzo-contralto, Irene Horniblow, "Yonder" (Oliver); "Along the Road" (del Riego).

9.21: Moreau, 2YA Concert Orchestra, "Flow Song" (Lange); March, "Gardes du Corps" (Hall).

9.31: Dance programme, "Estudiantina" (Waldteufel).

3YA CHRISTCHURCH 980 kc. Friday 22.

- 3.0: Gramophone recital.
5.0: Children, by Friday.

Dinner Music.

6.0: Berlin Philharmonic Orchestra, "Carnival Domain" Overture (Berlioz). Poltronieri String Quartet, "Canzonetta" from "Quartet in E" (Mendelssohn), Op. 12, No. 1. Herman Finck and His Orchestra, "Gaiety Echoes" (Moncton).

6.19: Organ, G. T. Pattman, "Cherie" Waltz (Velantine). Pavilion Lescant Orchestra, "I Drive Out in My Little Limousine" (Cowler). London Palladium Orchestra, "Katja, the Dancer" Waltz (Gilbert). Raie da Costa Ensemble, "Funny Face" Selection (Garshwin).



Jeannette Briggs, L.A.B.
(Soprano).

who will be heard in solos and duets with Miss Ngaire Coster from 2YA on Thursday, July 21.

6.37: J. H. Squire Celeste Octet, "Everybody's Melodies" (arr. J. H. Squire). Poltronieri String Quartet, "Serenade" from "Quartet in F" Op. 3, No. 5 (Haydn). London Palladium Orchestra, "Maid of the Mountains" Waltz (Fraser-Simson).

6.51: Organ, G. T. Pattman, "Worryin' Waltz" (Faiman). Bernado Gallico and His Orchestra, "The Dance of the Dwarfs" (Noack).

7.0: News and reports.

7.30: W.E.A. Session, G. Jobberns, M.A., B.Sc., "Geology" (No. 1).

Concert Programme.

8.0: Christchurch Salon Orchestra (Conductor, Francis E. Bate), "Cairo" (Fletcher).

8.11: Recording (Organ), Emil Velazco with Male Quartet, "When They Ring the Golden Bells for You and Me" (Marbelle).

8.14: Piano, Agnes Shearsby, "Impromptu" (Schubert).

8.18: Soprano, Mrs. Lucy O'Brien, "Tip Toe" (Carew).

8.21: Salon Orchestra, "Lo! Here the Gentle Lark" (Bishop).

8.26: Baritone, J. K. Burt, "The Admiral's Yarn" (Rubens).

8.30: Thirty minutes of selected recordings.

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Salon Orchestra, "Lazy Dance" (Ring); "Humoresque" (Dvorak).

9.26: Soprano, Mrs. Lucy O'Brien, "Here in the Quiet Hills" (Carne); "For Thine Own Sake" (Barnard).

9.33: Piano, Agnes Shearsby, "The Mill Wheel" (Silcher); "Poor Butter-milk" (Confrey).

9.40: Baritone, J. K. Burt, "Roadways" (Densmore); "Whatever Is, Is Best" (Lohr).

9.46: Recording (Comedian), Clarkson Rose, "Oh! Maggie" (Elton).

9.49: Salon Orchestra, Four Dances from "The Rebel Maid": (a) "Jig," (b) "Gavotte," (c) "Graceful Dance," (d) "The Villagers' Dance" (Phillips).

4YA DUNEDIN 650 kc. Friday 22.

- 3.0: Selected recordings.
4.30: Sports results.

5.0: Children, by Aunt Sheila.

Dinner Music.

6.0: Grand Symphony Orchestra, "Zampa" Overture (Herold). Dajos Bela Orchestra, "You and You" Waltz (Strauss). Edith Lorand Orchestra, "Whispering of the Flowers" (von Blon).

6.16: Dajos Bela Orchestra, "Traum-ideale" (Dream Ideal) (Fueki). Edith Lorand Orchestra, "Winter Storms" (Fueki). The Victor Olof Salon Orchestra, "The Merchant of Venice"—Incidental Music (Rosse): (a) "Prelude No. 1," (b) Intermezzo "Portia" and "Oriental March," (c) "Prelude No. 2," (d) "Dogs' March."

6.39: Edith Lorand Orchestra, "Johann Strauss Fantasia" (Strauss). Berlin State Opera Orchestra, "From Foreign Parts"—"Italy" and "Germany" (Moszkowski). Dajos Bela Orchestra, "Gipsy Love" Waltz (Lehar).

7.0: News and reports.

7.30: W.E.A. Session, Lloyd Ross, M.A., "Anticipations: The Future Control of Industry."

Concert Programme.

8.0: Presentation of Excerpts from "The Bohemian Girl" (Balfe) by The Minstrelers. Soloists: Anne White (soprano), Maude Kenward (contralto), J. T. Leech (tenor), Wm. Ruffell (baritone).

Recording, B.B.C. Wireless Symphony Orchestra, "The Bohemian Girl" Overture (Balfe). Chorus, "Up with the Banner." Baritone and Chorus, "A Soldier's Life"; "Away to Hill and Glen." Chorus, "The Gipsy Chorus." Soprano, "I Dreamt that I Dwelt in Marble Halls." Baritone and Chorus, "Silence." Contralto, "Love Smiles but to Deceive." Soprano and Chorus, "Come With the Gipsy Bride." Baritone, "The Heart Bowed Down." Trio, "Through the World." Tenor, "When Other Lips." Quartet and Chorus, "From the Valleys." Finale, "Oh, What Full Delight."

9.0: Weather report and notices.

9.2: Reserved.

9.17: Recording, Colonial Club Orchestra, "The Vagabond King" Medley (Friml); "Putting on the Ritz" (Wendling).

9.25: Duet, Anne White and L. Harrison Stubbs, "Down the Vale" (Moir).

9.30: Recording (Organ), Sydney Gustard, "Song Memories of the Past."

9.38: Baritone, L. Harrison Stubbs, "The Pretty Creature" (Wilson).

9.42: Recording (Piano), Beryl Newell, "By the Fireside" (Connolly); "We Will Always Be Sweethearts" (Strauss).

9.48: Duet, Helen E. Roy and J. T. Leech, "The Singing Lesson" (Squire).

9.53: Recording, Jack Hylton and His Orchestra, "More Melodious Gems" (Finck).

10.0: Talk, Mr. R. McKenzie, "Tomorrow's Match—N.Z. v. Australia—at Sydney."

Dinner Music.

6.0: Johann Strauss and His Orchestra, "Radetzky March" (Strauss). Milan Symphony Orchestra, "Semiramide—Overture" (Rossini). Johann Strauss and His Orchestra, "Voices of Spring—Waltz" (Strauss). Berlin State Opera House Orchestra, "Schwanda, the Bagpipe Player" (Weinberger). Jean Lensen and His Orchestra, "Ideale" (Tosti, arr. Tavan).

6.27: J. H. Squire Celeste Octet, "Hungarian Dance in D" (Brahms). J. H. Squire Celeste Octet, "Memories of Mendelssohn." Plaza Theatre Orchestra, "Bal Masque—Valse Caprice" (Fletcher). Herman Finck's Orchestra, "Schubertiana" (arr. Finck).

6.48: Plaza Theatre Orchestra, "Pearl o' Mine" (Fletcher). Jean Lensen and His Orchestra, "Love's Last Day" (Benatzky). J. H. Squire Celeste Octet, "Hungarian Dance in A Minor" (Brahms).

7.0: News and reports.

7.40: Talk, W. E. Priestly, "Modern Ballroom Dancing."

Concert Programme.

8.0: Recording, Debroy Somers Band, "Erinalla" (arr. Somers).

8.7: Quartet, Clarion Quartet, "All Through the Night" (Tridl). Soprano, Lillian Woods, "Damon" (Strange).

8.13: Concertina, Robert McKnight, Fantasia on "The Last Rose of Summer" (Farmer).

8.18: Recording, Brunswick Salon Orchestra, "Fox Movietone Follies."

8.22: Humour, Maisie Carte-Lloyd, "His Business Appointment" (arr. Lloyd).

8.28: Instrumental and Vocal, Wally Harrison's Melody Boys, "A Picture of Life's Other Side" (Bradley); "Love Letters in the Sand" (Coots).

8.35: Bass Quartet, Duncan Black Clarion Quartet, "Skipper Duggie Brownlow" (Black); "Swing Low, Sweet Chariot"; "Go Down Moses" (both by Burleigh).

8.43: Recording, London Palladium Orchestra, "Katja the Dancer" (Gilbert).

8.46: Piano Impressions, Eric C. L. Bell, "Oh Maiden, My Maiden" (Lehar); "I'd Climb the Highest Mountain" (Berlin).

8.52: Recording, Savoy Orpheans, "Round the World Medley" (arr. Somers).

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Contralto, Beryl Smith, "Out of the Night" (Lidgey); "Her Dreams" (Waller). Duet, Beryl Smith and Lillian Woods, "In the Springtime" (Newton).

Saturday [July 23]

1YA AUCKLAND 902 kc. Saturday 23.

2.45: Relay. Description of Rugby Football Match from Eden Park.

4.30: Rebroadcast. Specially arranged transmission from VK2ME, Sydney: Description of Rugby Football Match—New Zealand versus Australia at Sydney (Third Test).

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9.26: Concertina, Robert McKnight, "Minuet" (Boccherini, arr. McKnight); "Men of Bronze" (Lozey).

9.32: Recording, De Groot and His Orchestra, "Under the Roofs of Paris" (Moretti).

9.35: Humour, Maisie Carte-Lloyd, "Broken Toys"; "The Kiss."

9.39: Piano Impressions, Eric C. L. Bell, "Song of the Islands" (King); "Chloe" (Moret).

9.44: Recording, Clarkson Rose, "Better Than Nothing at All" (Rose).

9.47: Instrumental and Vocal, Wally Harrison's Melody Boys, "The Red River Valley" (Bradley); "Kohalo March" (Bishaw).

9.53: Quartet, Clarion Quartet, "When You and I Were Young, Maggie" (Parks).

9.57: Recording, Sousa's Band, "Under the Double Eagle" (Wagner).

10.0: Sports summary.

10.10: Dance programme.

2YA WELLINGTON 720 kc.
Saturday 23.

2.45: Relay. Description of Rugby Football Match, played at Athletic Park.

4.30 (approx.): Rebroadcast of description of International Rugby Football Match, New Zealand versus Australia (Third Test), at Sydney.

Dinner Music.

6.0: Minneapolis Symphony Orchestra, "March Militaire" (Schubert). Pavilion Lescant Orchestra, "Pan and the Wood Goblins" (Rothke). A. and P. Gipsies Orchestra, "Herbertiana" (Stone). Brunswick Concert Orchestra, "A Thousand Kisses" Waltz (Joyce). Anglo-Persians' Orchestra, "My Little Persian Rose" (Friedland).

6.16: Minneapolis Symphony Orchestra, "Coppelia Ballet—Prelude and Mazurka" (Delibes). Dajos Bela Orchestra "Dellrien—Waltz" (Strauss). Minneapolis Symphony Orchestra, "Prelude to Khovantchina" (Rimsky-Korsakov). Grand Symphony Orchestra, "Dance of the Waves" (Catalani).

6.36: Pavilion Lescant Orchestra, "Clog Dance" (Petras). A. and P. Gipsies Orchestra, "White Acacia"; "Petite Causerie" (Stone). Brunswick Salon Orchestra, "Love Everlasting Waltz" (Friml). "Little Grey Home in the West" (Lohr).

6.52: Minneapolis Symphony Orchestra, "Dernier Sommeil de la Vierge" (The Virgin's Last Sleep) (Massenet). Dajos Bela Orchestra, "Count of Luxembourg Waltz" (Lehar).

7.0: News and reports.

7.30: W.E.A. Session: Professor T. A. Hunter, "Man and His Social Institutions." (1) How Man Organises His Social Life.

Concert Programme.

8.0: Selection, 2YA Concert Orchestra (Conductor, Leon de Mauny), "The Vagabond King" (Friml).

8.14: Baritone, Walter Brough, "Brian of Glenaar" (Graham); "Asra" (Newton).

8.20: Recording, The Rollickers, "Comin' Home" (Hollingsworth); "We'll Have a New Home" (Robison).

8.24: Suite, 2YA Concert Orchestra, "In a Fairy Realm" (Ketelbey); (1) "Moonlit Glade"; (2) "Queen Fairy Dances"; (3) "Gnomes' March."

8.36: Songs at the Piano, Muriel Johns, "I Thank You Mr. Moon" (Baer); "What Can I Do?" (Hogan).

8.42: Recording, Ana Hato and Deane Waretini, "Pokekare" (Hill).

8.45: Will Bishop, "Entertainer at the Piano."

9.0: Weather report and notices.

9.2: Reserved.

9.15: Valse, 2YA Concert Orchestra, "Vienna Life" (Strauss).

9.22: Recording (Humour), Angela Baddeley and L. du Garde Peach, "Motoring Without Tears" (L. du Garde).

9.28: Baritone with Orchestra, Walter Brough, "Border Ballad" (Cowen); "Friend o' Mine" (Sanderson).

9.34: Songs at the Piano, Muriel Johns, "Two Smiling Eyes" (Manges); "By the Fireside" (Connelly).

9.40: Recording, Ritz Quartet, "Old Man Noah"; "Away to Rio."

9.46: Morceau, 2YA Concert Orchestra, "Cavatina" (Raff); "Three Spanish Dances" (Moszkowski).

10.0: Sporting summary.

10.10: Dance programme.

3YA CHRISTCHURCH 980 kc.
Saturday 23.

12.45: Results from Riccarton of the combined meeting of the Canterbury Hunt, Hororata and Amberley racing clubs.

4.30: Rebroadcast of specially arranged transmission from VK2ME, Sydney. Description of Rugby Football Match, New Zealand v. Australia (Third Test).

Dinner Music.

6.0: Grand Symphony Orchestra, "The Tea House of a Hundred Steps" (Yoshitomo). J. H. Squire Celeste Octet, "Memories of Chopin" (arr. Willoughby). Organ, Edward O'Henry, "Ca C'est Madrid" (O'Henry).

6.16: San Francisco Symphony Orchestra, "Valse de Concert" (Glazounov). Dajos Bela Orchestra, "O Sole Mio" (arr. Lindemann). Berlin State Opera Orchestra, "Der Rosenkavalier" Waltz" (Strauss).

6.35: Royal Opera Orchestra, Prelude "The Huntress" from "Sylvia Ballet" (Delibes). Grand Symphony Orchestra, "Japanese Cherry Blossom Festival" (Yoshitomo). Berlin State Opera House Orchestra, "Dance of the Hours" ("La Gioconda") (Ponchielli). J. H. Squire Celeste Octet, "Song of the Celeste" (Renard). De Groot and His Orchestra, "In the Night" (Tate).

7.0: News and reports.

Concert Programme.

8.0: Selection, Christchurch Salon Orchestra (Francis E. Bate, Conductor), "Fancy Free" (Barratt).

8.11: Recording, Norman Allin and Chorus, "The Crocodile" (Traditional).

8.14: Contralto, Connie Flamank, "In Sweet September" (Temple); "Fairy Tales of Ireland" (Coates).

8.21: Recording, International Novelty Quartet, "The Dicky-Bird Hop" (Gourley).

8.24: Sketch, Valerie Tennent and H. L. Shaw, "Switched" (L. du Garde Peach) (Published by Samuel French, Ltd., 26 Southampton Street, Strand, London, W.C.2).

8.34: Descriptive, Salon Orchestra, "Bells Across the Meadow" (Ketelbey); Foxtrot, "Trees" (Rasbach).

8.43: Recording, The Revellers, "Little Cotton Dolly" (Buck-Giebel).

8.46: Recording (Celeste), John Firman, "Will Ye No Come Back Again" (Traditional).

8.49: Tenor, L. C. Quane, "You've Got Your Mother's Eyes" (Drummond); "Mary" (with orchestra) (Richardson).

8.54: Recording (Organ), Edward O'Henry, "Just as We Used to Do" (Bull).

8.57: Recording, Mr. Flotsam and Mr. Jetsam, "New Words for Old" (Flotsam and Jetsam).

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Salon Orchestra, "By the Blue Hawaiian Waters" (Ketelbey).

9.26: Contralto, Connie Flamank, "Pirate Dreams" (Hueter).

9.30: Sketch, Valerie Tennent and H. L. Shaw, "A Fire Affair" (L. du Garde Peach). (Published by Samuel French, Ltd., 26 Southampton Street, Strand, London, W.C.2.)

"Australian Bush Songs"

Sung by Lawrence North, baritone, are a feature of 3YA's concert programme for Wednesday, July 20.

9.30: Recording, International Novelty Quartet, "The Clock is Playing" (Blaaw).

9.42: Tenor, L. C. Quane, "Good-night, Pretty Stars" (Johnson); "At Parting" (Clarke).

9.48: Recording (Sketch), "Tommy Handley and Company, 'The Disorderly Room'" (Blore).

9.54: Salon Orchestra, "Magic of Love" (Vanis).

10.0: Sports summary.

10.10: Dance music.

4YA DUNEDIN 650 kc.
Saturday 23.

1.15: Relay. Description of Rugby Football from Carisbrook Ground.

4.30: Rebroadcast of specially arranged transmission from VK2ME, Sydney, of Rugby Football—New Zealand v. Australia, Third Test.

Dinner Music

6.0: Chicago Symphony Orchestra, "Russian and Ludmilla" Overture (Glinka). National Symphony Orchestra, "Irish Rhapsody" (Herbert). International Novelty Orchestra, "To Die Dreaming" Waltz. Vienna Philharmonic Orchestra, "Hungarian Dance, No. 3" (Brahms).

6.20: Cedric Sharpe Sextet, "Chanson Napolitaine" (D'Ambrosio). Organ Solo, Sandy Macpherson, "L'Heure Bleue" (Spolianski). Salon Orchestra, "Aloha Sunset Land" (Kawelo). Reginald King and His Orchestra, "Song o' My Heart" Selection.

6.39: Chicago Symphony Orchestra, "Traume" (Dreams) (Wagner, arr. Thomas). New Symphony Orchestra, "Nell Gwynn Dance, No. 3" (German). International Novelty Orchestra, "Four Little Fauns" Waltz.

6.48: Vienna Philharmonic Orchestra, "Hungarian Dance, No. 1" (Brahms). Cedric Sharpe Sextet, "O, Lovely Night" (Ronald). Salon Orchestra, "Chanson Boheme" (Baldi).

7.0: News and reports.

Concert Programme.

8.0: Relay of programme from 3YA, Christchurch.

10.0: Sports summary.

10.10: Dance music.

2YB NEW PLYMOUTH 1230 kc.
Saturday 23.

7.30 to 8.0: News and information, sports results and lecturette session.

8.0 to 10.0: Studio concert.

10.0: Sports summary.

IZR Notes

THE announcer told this one on himself the other evening at IZR. Being an amateur conductor of a choir which was under rehearsal, the tempo was somewhat erratic. Stopping the choir, he intended to demand stricter attention to the beat, but instead, shouted "Watch the time." A lusty bass responded, after fumbling with his watch, "A quarter past nine, sir!"

A **NOTHER** conductor—this one on a city tram—caused a little flutter of excitement to the announcer's wife on the same day. When he arrived to collect the fare, a good three-section ticket was handed to him, with "How do you do." Snip, snip, went the punch or scissors. He thought she said "Take for two." Moral: Conductors mean well, but—beware.

IZR Programmes

Friday, July 15.—10.30 a.m.: Devotional service, Uncle Scrim. **11.15-2 p.m.:** Mr. W. Anderton. **5:** Dinner music. **6:** Children's session, Uncle Cam and Fairy Princess. **7:** Mr. Bill Hindman, "Sport." **7.30:** Relay of Community Singing from Lewis Eady Hall; song leader, Vernon Drew. **9.10:** Mr. Edwin Parker, "Pagliacci."

Saturday.—10.30 a.m.: Devotional service, Rev. C. Strand. **10.45-1.30 p.m.:** Music. **5:** Dinner music. **6:** Children's session, Polly Flindres and Jack the Giant-Killer. **7.15:** Mr. W. A. Moore, "Hard Tack" for Dogs, "Care of Dogs in Autumn and Winter." **8:** Popular programme. **10-11:** Dance session.

Sunday.—9 a.m.: Uncle Tom's children's service. **9.45:** Uncle Scrim conducting Studio Church Service with IZR Broadcasting Choir under Mr. J. Whitely McElwain. **6 p.m.:** Music. **6.15:** Miss Baker's Church of England children's service. **7:** Relay of Mr. A. H. Dallimore's Mission Service from East Street Hall. **8.30:** Studio Standard Classics. **9.30:** Close down.

Monday, July 18.—10.30 a.m.: Devotional service, Mr. Garner. **11.15-2 p.m.:** "Maoriland"—"Tithbits." **5:** Dinner music. **6:** Children's session, Goldlocks and Hoppy. **7-7.30:** Music.

Tuesday.—10.30 a.m.: Devotional service, Uncle Scrim. **11.15-2 p.m.:** Madame Milne, "Diet and Health." **5:** Dinner music. **6:** Children's session, Aunts Ruth and Nina and Uncle Scrim. **7.15:** Speaker. **8-10:** Popular programme.

Wednesday.—10.30 a.m.: Devotional service, Uncle Scrim. **11.15-2 p.m.:** Dr. Violet Hastings. **5:** Dinner music. **6:** Children's session, Miss Muffett. **7.15-8:** Rev. Jasper Calder.

Thursday.—10.30 a.m.: Devotional service, Uncle Scrim. **11.15-2 p.m.:** Speaker. **5:** Dinner music. **6:** Children's session, Wendy. **7.15:** Mr. F. R. Field, "The Earth's History." **8:** Vacuum Oil Co.'s programme. **10-11:** Dance session.

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Student Days in Germany

(Continued from last week.)

SOCIAL life was much more formal in Germany than in England, and visiting among friends not so common as here. The free mixing of the young people of both sexes that we regard as natural in English countries would have been called in question there. One requires to spend a considerable time in a foreign country in order to learn the conventions of the society in which one lives. I soon learned that I was expected to lift my hat to my men friends as well as to ladies; after a time it never struck me as strange to lift my hat even to a policeman when I accosted one to make an inquiry.

We probably do not realise ourselves how many of our ordinary practices are purely conventional, and yet we regard their observance as highly important. I found that some of our conventions would have been regarded as the height of ill-manners in Germany and vice-versa. Many of you have probably read "Elizabeth in her German Garden"; in it the differences in the conventions of the two countries (England and Germany) are well expressed, often in very humorous fashion.

I did not live quite the life of the ordinary university student, since I was anxious to learn German as thoroughly as possible. How little I knew for a start may be gathered from the fact that I have at times in the first month risen from the dinner table still hungry because my knowledge of German was not sufficient to enable me to ask for what I wanted, and I was ashamed to point at it.

For three months I walked everywhere, because I was not sure enough of my German to ask for a tram ticket to the place that I wished to reach. In those days I hungered for the sound of English spoken by English people, and in Berlin this made me a regular attendee on Sundays at church. Actually, I attended the American church, but I found large numbers of English there.

The American church was a wonderful place for social intercourse, and special arrangements were made to attract the young people whose homes were in English-speaking countries. For most of my stay in Germany I lived in a German home, where I spoke German only, and as I was fortunate in being taken in by a very delightful family of well-educated people, it gave me exceptional opportunities of observing social life, among very pleasant people.

In less than six months I was able to note that a number of Germans did not always speak grammatically, and then I realised that my own study of the language was progressing. At the end of six months, while travelling in the South of Germany, I was highly flattered by an inquiry as to which German State I came from, the inquirer stating that I was obviously not a South German. However, I need not have been so flattered, since I noted later that the peasants of North-east Germany could frequently not converse with those of the South-west. On one occasion my landlady sent her new servant, a native of north-east Prussia, to buy supplies in the market place from the peasant women from just across the Rhine in Alsace. They could not understand what each other said, and the servant had to carry out her business by signs.

Racial Differences.

AS I became more accustomed to the language and the people I grew rather more at home in the country, but it was nevertheless a wonderful experience to go over to England for most of my vacations. I always found the German people most kind, and I could not have had greater consideration shown me anywhere. And yet those two years showed me how lucky we are to live under the Union Jack.

The differences between our two peoples are not those of language only, but it sometimes takes residence in a foreign country to bring that fact home. I missed the sense of freedom that is natural to us here without our knowing it. Three days after I reached Berlin I received orders from the district police office to report there at a certain day at a certain hour to be questioned. Arriving there I was required to state my age, date and place of birth, where my mother and father were born and when, how many brothers and sisters I had, and numerous other details.

Soon afterward I moved my place of residence to a different police district, though in the same town, and I had to go through the same performance again. As I felt that they asked too many intimate questions and showed my feelings in the matter, the mustachios of the police officer who questioned me positively bristled, and I believe that the other Germans who were waiting their turn to be questioned expected me to be deported.

All the national systems seemed to work by a series of prohibitions and repressions instituted by a too paternal government. In a public building one saw many doors marked "Entrance forbidden," in the woods there were paths with signs forbidding their use; one ultimately developed the feeling that one was at liberty to do anything that was not expressly forbidden.

The Great War.

I HAVE frequently been asked whether I noticed in Germany any marked preparations for the Great War. Undoubtedly the militaristic spirit was strong. Although we have heard that conscription was unpopular, there is no doubt that it was regarded by working class families as an honour to have a son even as a private in the Army.

The arrogance of army officers, particularly toward civilians, was noteworthy. In some cafes frequented by officers, strongly nationalistic songs, such as "Deutschland über alles," were sung with fervour almost every evening, and foreigners found it desirable to keep very quiet. In most towns, but more particularly toward the borders, intensive drilling was carried on daily. At that time too, the importation of meat into Germany was practically forbidden, and the opinion was the Government was desirous of making the country independent of foreign supplies in the event of war.

Although the Germans are in many respects among the best educated people in the world, I was amazed to find among well educated people a belief that New Zealand as well as other British Dominions was garrisoned by English regiments, and that in the event of war, the Dominions would rise against England.

Through English friends I made the acquaintance of a young Englishman whose parents lived in Berlin and who had naturalised as a German in order to qualify as a lawyer. He is the only

Englishman I know to have naturalised as a German. He had served as a one-year soldier, and on the occasion of the King's Birthday, when regular military drills were in abeyance and all ranks were celebrating the great occasion, he took me through the cavalry stables and into the army barracks at the great military training centre at Spandau, just out of Berlin. This was a most unusual experience for a foreigner like myself. In Spandau, you may remember, the Germans kept stored for emergencies, all in gold the great sum paid in indemnity by France immediately after the Franco-Prussian War.

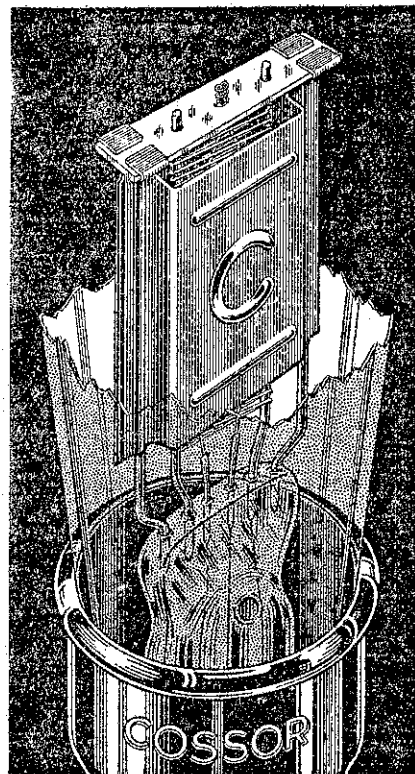
At the time of my stay in Germany, Prussia was obviously the domineering as well as the dominating influence in the confederation of German States, and at times the other States chafed under it. There was a current saying applied outside of Prussia to any young man of domineering character, "So young, and already a Prussian." There was considerable difference in the characteristics of the people from one State to another, and the students from

Saxony were delightful fellows, indeed our English students said they were almost like Englishmen.

My talk has been over-personal, but the nature of my subject demanded it. It has been scrappy, too, but it is impossible to give you in 15 minutes anything like a resume of my main impressions of two years' experiences. I should have liked to tell you something of South Germany, the Black Forest, the wonderful country along the Rhine, agriculture, the Zeppelins, early aviation in Germany, winter sport, the theatres and opera houses, and Christmas and New Year celebrations, and to have taken you with me on a month's trip through Denmark and Southern Sweden into Norway, but time has not permitted me to deal as I would have liked even with the part I have touched on. However, I can say that my two years gave me a wonderful experience in work, in play, and in social contact with the life of a most interesting people, and the memories of that time will last throughout my life.

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"N.Z. Handbook Annual, 1932," 2/6. (With International Time Converter Supplement.)
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(Please note there is a rise of approx. 63 per cent. on all American publications, and don't blame us.)

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THE MASTER-VALVE

Questions and Answers

(Continued from page 10.)

to the amateur transmitter. Included is the code and the amateur abbreviations. We cannot send information by post unless the rules respecting this are complied with.

"FOXY" (Hokitika): Can a crystal set be converted so that it can be used on the West Coast to pick up 2YA?

A.: No, but some of the parts may be used to make a valve set which would be able to pick up 2YA.

2. What time is considered necessary for daylight reception of the Australian stations for the DX Competition?

A.: A ruling on that point was given recently in the "Radio Times."

3. A certificate is awarded to the best log in each district. At the present time Westland and Nelson are in one, but it is probable that in the very near future Westland will have a separate district.

E. D. (Hastings): The intermediate transformers will tune to the correct frequencies.

2. We are sorry that short article was left out. We are reproducing the diagram and an account in this issue.

"FULWOOD" (Papakura): You cannot go on the broadcast band without making special application to the Post and Telegraph Department. You will have to considerably modify your tuning arrangements, and your best plan would be to get in touch with the secretary of the N.Z. Amateur Transmitters' Association, who will give you directions as to how to go about it.

DX133A (Te Kuiti): I wish to construct an all-electric local receiver, published in the "Radio Guide, 1931." Could you give me further details?

A.: It would be necessary to re-design the circuit in order to incorporate the amendments you wish, and giving you such particulars are beyond the scope of Q. and A. Why not build the Loftin White, or a somewhat similar receiver, which has been described fully?

"NOVICE" (Grey Lynn): How can I improve my earth? I have a solid piece of copper half an inch thick and 5ft. 6in. long, driven into the ground, which is very wet. The lead-in is wound around for about three inches and sweat-ed on. With the earth connected to the set reception is not as loud as without the earth.

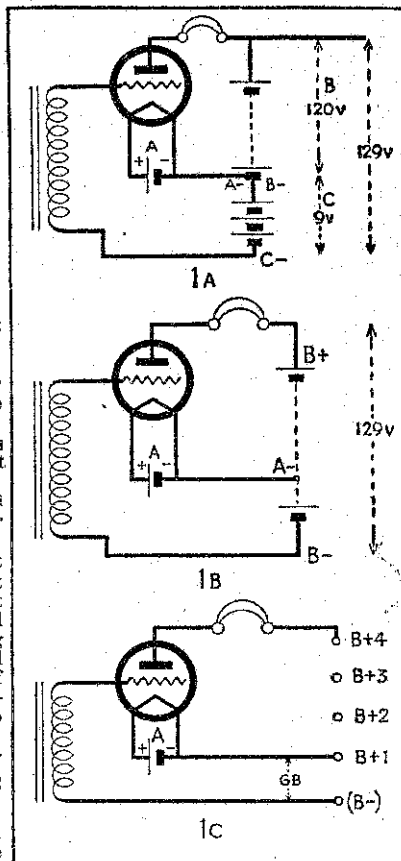
A.: In the case of an electric set this is sometimes the case. You have a good earth, and would not get better results by trying to improve it.

A CORRESPONDENT asks how grid-bias might be obtained without the use of separate grid-bias batteries. It is possible by utilising a system similar to that employed in a.c. circuits and of course B+ supply is robbed of the grid bias exactly as it is in the a.c. circuit, so after all it cannot be termed free grid bias.

Refer to the circuit in figure 1. Notice that if 120 volts is used across B+ and B-, and 9 across O+ C-, this really amounts to a total of 129 across B+ C-, with A- tapped in at a convenient point. If the two batteries are done away with, and one complete battery of 120 volts is used, the same thing is accomplished, the grid bias depending upon the position of the "A" battery tap, thus we are obtaining what is wrongly called "free" grid-bias. It is wrong, because while there is no separate battery for the grid-bias, we still have bias on the valves, and it is at the expense of the potential on the plate.

Figure 1C illustrates the conventional method of connecting the circuit so as to do away with the grid-bias battery. The points indicated as Tap 1, 2, 3, etc., may either be points on B+ batteries

or an eliminator. The grid-bias is always the voltage between the point where the filament circuit is taken into



the B supply and B-. Observe that there is no connection between A- and B-, as is usual, B- becoming GB-.

Oscillation Cured

WITH reference to a query by DX21W, Ohakune, in "Radio Record" of July 1, 1932. I am using an 8-valve commercial receiver, and experienced the same trouble on the lower portion of the dial. I could not get even half volume without oscillation. The trouble was finally traced to the rotor plates of the tuning condensers. These are grounded by means of tin-coated brass springs, bearing against the bushes of rotor plates and frame of condensers, the condenser frame being grounded. These springs were quite firm in their respective seats, and were apparently making quite good contact, but on taking the springs out it was noticed that the tin coating had worn through, due to the continuous friction against the bushes. The springs were cleaned and re-tinned, an ordinary soldering iron and flux being used. When they were replaced the trouble disappeared, and there has not been any trouble since.—Egmont (Taranaki).

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SETS THE PACE!
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Jensen
DYNAMIC SPEAKERS
ARE SUPERIOR

Short-wave News

LSX, Buenos Aires.

E. M.B. (Timaru) reports hearing LSX, Buenos Aires, 28.98 metres, on Saturday, June 25, from 12.30 to 1.30 p.m. with Spanish music. Reception was very clear, with but little fading.

YV11BMO, Venezuela.

THE special transmission for New Zealand from YV11BMO was heard here on Sunday, but static spoilt reception. Volume at the commencement at 4.30 p.m. was R3, increasing to R5 by 5.30 p.m. Signal strength remained fairly steady at R5 till the station closed at 6.25 p.m.

Log for Week Ending July 9

12RO, Rome, 80 metres: Wednesday and Saturday, R4-5 at 8 a.m. Noisy and gushy each day.

KV15, Siberia, 70.1 metres: Unusually about R8-9 after 9 p.m., but static often spoils reception. On Tuesday reception was excellent at R8-9, with some very fine music.

HVJ, Vatican City, 50.26 metres: R8-9 each morning till 6.45 a.m.

EV59, Mexico, 50 metres: Best before 7 a.m., usually R9, being weaker later, but still good till after 8 a.m.

W0XF, Chicago, 49.83 metres: Monday, Tuesday, and Saturday, up to R8, but very noisy.

W8XAL, Cincinnati, 49.5 metres: Wednesday, R8, but too noisy. This is a common trouble on this band, 49-50 metres.

W3XAL, Boundbrook, 49.18 metres: Sunday till 4.30 p.m. at R8-9.

YV11BMO, Venezuela, 48.95 metres: Sunday, 4.30 p.m. to 6.25 p.m., special programme for New Zealand; R3 to R5; static bad.

W8XX, Pittsburgh: 48.86 metres: Wednesday, reaching R9 by closing time at 4 p.m.

REN, Moscow, 45.38 metres: Monday, R7-8 at 8 a.m.; Saturday, R9 at 6.45 a.m. to R5 by 7.30 a.m.

Radio Maroc, Rabat, 32.26 metres: Monday, quite good at R7 at 7.50 a.m., increasing to R8 at 8.20 a.m., but becoming gushy.

VK3ME, Melbourne, 31.55 metres: Wednesday, excellent at R9 during the evening session.

OXY, Denmark, 31.51 metres: Varied from R2 to R6 at 8 a.m. Tuesday was best, being R6, but very gushy, at 8 a.m.

KET, California, 31.5 metres: Thursday, 5.40 p.m., R9 with relay from a Californian broadcast station. This station was on the air for some time, but only broadcasting music and speech at intervals, apparently a test.

W2XAF, Schenectady, 31.48 metres: On Sunday at 10.30 p.m., records were heard at R9, with calls for VK2ME at intervals. Day sessions (our time) reach R8-9 by signing off at 3.30 p.m. On Monday, Japanese music was heard from 3 p.m. to 3.30 p.m.

Zeesen, Germany, 31.38 metres: This station is not quite up to its usual standard just now, but often reached R8-9.

W1XAZ, Springfield, 31.35 metres: Wednesday was an average day, R3 at 1.30 p.m., reaching R8-9 by 2.45 p.m., till closing at 3.30 p.m., with a relay from the "Show Boat," Boston.

VK2ME, Sydney, 31.28 metres: Sunday, 4.30 p.m. to 6.30 p.m., R9 with an anniversary programme. The next session was well received, but not quite so loud. The Monday morning session, till 8 a.m. (new schedule) was the best, being maximum volume with one audio. Volume was too much for an ordinary size room with the receiver "full out."

JAA, Japan, 30.5 metres (about): Every evening from about 9.30 p.m. at R5. This is one of the best stations to be heard at present at reasonable hours.

EAQ, Madrid, 30.4 metres: Each day from 11 a.m. till 12.30 p.m., at R8-9.

Round the World on
SHORTWAVE

Conducted by F. W. SELLENS

Most of the musical items are typical of Spain.

Radio Colonial, Paris, 25.6 metres: Not quite so loud again, but quite good from about 7.30 a.m. till 10.30 a.m.

G5SW, Chelmsford, 25.53 metres: Varied, but is often quite good from 8 a.m. till 10.30 a.m. Wednesday was best, being R8-9 toward 10.30 a.m., at which time Big Ben has been coming in quite well. The 25-metre band is dead till after 7 a.m.

12RO, Rome, 25.4 metres: Each morning except Wednesday and Saturday about R8 till 10 a.m. or after.

W8XX, Pittsburgh, 25.25 metres: Monday from 1 p.m. to 1.30 p.m. at R8, when they signed off on this transmitter in favour of 48.86 metres. Tuesday, 8 a.m., R7, but gushy. Wednesday, till 2 p.m., when they signed off, at R8-9.

KKW, Bolinas, 21.77 metres: Monday till about 4.30 p.m., at R8-9. On Tuesday the well-known Amos and Andy were heard at 2.40 p.m., reception being excellent at R9. From 3 p.m. till 3.30 p.m. the programme, which was a special one, it being July 4 in America, was for reception by KGU, Honolulu. It consisted of American national airs, a talk about the negro republic of Liberia, and songs and music by American composers. This programme was rebroadcast by 2YA from about 3.10 p.m. till the finish—3.30 p.m.

N.Z. Short-Wave Club

From the Secretary's Pen

ONE of the liveliest meetings of the Wellington branch was held last week, and so keen were the various discussions that a demonstration was entirely forgotten until 10.20 p.m. Very generous offers were made to assist with secretarial duties, and arrangements were made that next meeting take the form of a Short Wave Club Conference. Possibly this idea could be extended. However, each member will be circularised, and asked to send in ideas and suggestions, as it is now time the club was placed on some kind of a footing.

Though we are accustomed to finding our ideas "cribbed," it is disconcerting to find that a list of stations which is an exact copy of one we recently issued, is now on sale. I would like to warn readers that it is as well to be careful in buying a list which has not the guarantee of the clerk of bona fide short-wave listeners behind it. Stations are literally changing from week to week, and there is likely to be confusion. It may be mentioned that the N.Z.S.W.C. does not publish a station list excepting for its members, so that the most reliable guide is the s.w. page in the "Record."

I sympathise with the listener from up north who found his son trying out a 60-watt lamp on his "B" battery. Strange to say, reception was off. Also with the member from Dunedin who thought that short waves would be less expensive than the long ones.

A letter to A. B. McDonagh, secretary, N.Z. Short Wave Club, 4 Queen Street, Wellington, will bring you full particulars of our club.

Kia Ora.—Yours fraternally,

MAC.

DX Topics

(Continued from page 11.)

church) and many others, was great, and they made me desire to dx, and off I started, and am still at it just as keen as ever. Where are notes as written by these dxers? I am willing to say there was as much good fellowship then as now. When I requested information about a station, and S.P.C. (P.N.) gave me same through the Notes, I felt a personal friend of his even though I didn't even know his name. If all the old writers would get the emery paper to work on the rusty nibs, the interesting notes would reappear. Interesting notes from individual dxers are required, not long district screeds.—D.N.A. (10C, Timaru).

XER and XEF.

APPARENTLY many dxers are doubtful about the identity of stations XER and XEF. The following announcement, heard from the former station on a recent evening, should explain matters: "This is XER, the Sunshine Station between the Nations. From 4.30 a.m., for 12 hours, you will be entertained by our sister station, XEF, with whom we share time, on the same wave, same power, so set your dial to 730 kc. when you will hear many notables from the Rio Grande. The time is exactly 1 minute and 15 seconds past 1 o'clock Mexican Central Time, and we bid those in the East good-morning, and those on the West good-night.—33NW (Nelson).

Anniversary Programme from WFAA.

I HAVE not noticed any mention of WFAA's tenth anniversary. At 4.20 p.m. on Sunday, June 26, I picked up his special anniversary programme at R4, and held him till he closed down at 7.3 p.m. (1.33 a.m. his time). Re XER: At the conclusion of the medical talk from XER I have often heard: "Please stand by for our sister station XEN." The Mexican announcer calls this "XEF," but an American who repeats the announcement says "XEN." I have heard this repeatedly. Can any dxer explain it?—62MC (Chch.).

DX Jottings.

LATEST loggings include KFJT, KPFF, and 5PI, while verifications to hand include KDYL, XER, KGRS, and KGA. I sent KDYL three reports on evening programmes heard during one week, and he sent me three cards, yet I have sent other stations as many as five reports, and have received no reply. Non-reply stations are 2KY, 2SM, 2KO, KTM, and KZRM. I recently received cards from VK's 3BH, 7GW, and 3RI. On June 26 I heard WFAA broadcasting their tenth anniversary programme. Reception was good at R6-7.—48A (Pokeno).

An Excellent Locality.

THOUGH static is prevalent reception conditions are quite good, and all overseas stations are coming in well. I have to turn the volume down on KFI, XEF, KGO, and even WFAA, when it is on late. 2FO is at good strength at 4.15 p.m. On July 2 I had 2SM at R1-2 between 1.20 p.m. and 1.30 p.m., when he went off the air. On the same date XEF and KFI and KGO were heard at R2 without an aerial. No doubt this locality is good for reception, or otherwise I would not be able to get the above results on my out-of-date set—a five-valve Radiola 20. I would like to hear how other local dxers with their modern s.g. sets are doing. My best logging of late has been WOV, New York, 1130 kc. (265 metres).—"Digger" (Hamilton).

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OF FEMININE INTEREST

By "Patricia"

I THINK one of the nicest talks given by Miss Madge Thomas from 2YA was that on Friday morning, when she gave such a vivid description of those lovely models—race coats and frocks—and the new millinery. They sounded so fascinating that I wanted to rush off to town there and then and buy a complete outfit. Discretion, however, proved the better part of valour, for woe is me! My finances at the moment are too low to indulge in such extravagance, and I must be content to feast my eyes on them and see what suggestions can be obtained for replenishing my wardrobe more economically.

ONE evening last week I tuned in to 1YA and was interested to hear Mr. E. S. Macpherson speak on the domestic life of the Chinese. Mr. Macpherson had one of the hardest subjects relative to China that any foreign man could tackle. Although many Europeans become well acquainted with Chinamen, visiting their houses and partaking in a measure of the social amenities of a Chinese household, a man very seldom meets any of the women-folk, and never has much social intercourse with them. A European,

however well he knows a Chinaman, would not dream of asking after the health of his wife or daughter, even were one of them dangerously ill. A Chinaman's women-folk are his own property, and inquiries by males concerning them would be an unforgivable breach of etiquette. With the domestic life therefore closed to the male observer, we can see how difficult it is for any man to talk about the domestic life of the Chinese. It is because of this that the books of Louise Jordan Miln are so engaging, as she supplies this deficiency in a review of Chinese domesticity. Mrs. Miln is thoroughly intimate with Chinese social life, but there are many things she leaves untold, as the telling would be a breach of faith. This applies to all reviews of Eastern life. In India, European women often visit the harems, with the understanding that what they see is not for dissemination, and this is so strictly observed I have never known a breach of faith.

A CHINAMAN usually has one or two wives, sometimes as many as four, and if wealthy several concubines as well. Since the war, however, many Chinese women, especially in the Treaty

ports, have broken away from this subjection to their men folk, and have held all manner of posts—professional and commercial—and filled the gaps in their education by graduating and attending lectures. There are definite signs also that these emancipated Chinese women are showing a disinclination to share their homes with other women, or to accept the status of secondary wives in the homes of others, but the Chinese woman has not turned her back on all things old, which shows how wise she is, and how she can distinguish the wheat from the chaff.

THE Pearl River (though anything less like a pearl it would be difficult to imagine), on which Canton stands, is often the scene of what we Westerners would consider a tragedy. Unwanted baby girls are thrown into the water and although the Christian institutions manage to save some of them, many are drowned. Canton has the largest population of any city in China, and shows the least Occidental influence. Its streets are extremely narrow, and criss-cross in such a way that the city is no thing but a maze. It is also most insanitary, and I am sure that nowhere in the world is there such a stench as

that which rises from the open drains and other causes in the byways and alleys of Canton.

NOW, the Shameen, which is the aristocratic and European quarter, is a direct contrast to the old city. Here are fine houses, gardens, avenues of trees, large commercial buildings, banks and hotels, and wide, well-kept roads, which make it difficult to believe that one is so near such a filthy smelling place as that of the "old city" of Canton. Mr. Macpherson spoke a little about Hong-Kong, but as his time was limited he mentioned that further descriptions must be left until the next lecture.

HAVE you met Mr. Fortune? If not you should do so; you will find him quite entertaining. "Call Mr. Fortune," "Mr. Fortune's Practice," "Mr. Fortune's Trials," "Mr. Fortune, please," "Mr. Fortune explains," "Mr. Fortune Speaking." These books are all written by H. C. Bailey and are published by Ward, Lock and Co. There is now another addition to the above list, "A Cash for Mr. Fortune." This volume consists of a number of short stories dealing with mysterious (Continued on opposite cover page.)

The Weather Report

(Continued from page 3.)

of a cyclone depend on whether the centre passes to the north or south of the place concerned. Nevertheless, I hope my remarks will help you to understand the sort of weather to expect when you hear that there is a cyclone centred over the Tasman Sea or an anti-cyclone over South-Eastern Australia.

The winds do not call for much comment, but in applying it to your own district, you must remember the effect of local features, such as hills, on particular winds. A wind which is westerly at most places, for example, will be northerly at Wellington.

Next comes the forecast for seas in New Zealand waters. The only thing to remember here is that when we say "rough south of East Cape" we mean only on the east coast south of East Cape. North of Farewell Spit will mean on the west coast north of Farewell Spit, and so on.

We then give the weather in the eastern half of the Tasman Sea. We leave the western half to the Australian authorities who know more about it.

The last part of the forecast concerns the weather to be expected during the coming 24 hours. In the 7 p.m. report from 2YA are given, in addition to the foregoing, reports of the weather at 4 p.m. from 13 ports in New Zealand, from Chatham and Norfolk Islands, and from Sydney and Hobart. To anyone with a knowledge of meteorology this part of the report conveys a great amount of information.

It will tell him much about the prevailing depressions and anti-cyclones that it was impossible to include in the first part of the report. He will know the reason for the forecast, what the alternatives are and how the forecast may be upset.

If he is a ship's captain it may be very important for him to know the weather at his destination. If his ship is a large one, the work at loading or unloading he will be able to do after arrival will depend on the weather. He can adjust his speed economically to suit the wind. If his ship is a small one bound for an exposed port, he may know that it will be a waste of coal to try to get there, and so forth. The reports also enable anyone to draw their own weather charts. Many merchant vessels and all naval vessels do this.

The station reports give first of all the barometer reading in inches at the place concerned at 4 p.m. The reading is given to hundredths of an inch. Next comes the temperature in degrees Fahrenheit. Next in is the direction from which the wind was blowing, followed by the force on the Beaufort scale. The different numbers on the Beaufort scale are defined as follow:—

Calm—0: Calm; smoke rises vertically—0 (equivalent speed in miles per hour at 33ft.).

Light air—1: Direction of wind shown by smoke drift, but not by wind vanes—2.

Slight breeze—2: Wind felt on face; leaves rustle; ordinary vane moved by wind—5.

Gentle breeze—3: Leaves and small twigs in constant motion; wind extends light flag—10.

Moderate breeze—4: Raises dust and loose paper; small branches are moved—15.

Fresh breeze—5: Small trees in leaf begin to sway; crested wavelets form on inland waters—21.

Strong breeze—6: Large branches in motion; whistling heard in telegraph

Strong gale—9: Slight structural damage occurs (chimney-pots and slates removed)—50.

Whole gale—10: Seldom experienced inland; trees uprooted; considerable structural damage occurs—59.

Storm—11: Very rarely experienced; accompanied by widespread damage—68.

Hurricane—12: Above 75. A report of a wind as N.W. 5, therefore, means that a fresh breeze was blowing from the north-west, and so on.

We next come to the weather, which is indicated by the letters of the Beaufort notation, as follows:—

- b—Blue sky, cloudless.
- bc—A combination of blue sky with detached clouds.
- c—Sky mainly cloudy, but with openings between the clouds.
- o—Completely overcast.
- g—Gloom.
- u—Ugly, threatening appearance.
- r—Continuous rain.
- d—Drizzle.
- s—Snow.
- p—Passing showers.
- h—Hail.
- q—Squalls.
- l—Lightning.
- t—Thunder.
- f—Fog.
- m—Mist.
- z—Dust haze.

The last word gives the state of the sea.

Even if you are not meteorologists, you will be able to tell from these reports if there is rain about, or how far up the coast a southerly change has reached, or whether the trip to Lyttelton is likely to be a rough one.

A SKETCH

By L. du Garde Peach,
entitled

"A Fire Affair"

will be broadcast from 3YA

On

SATURDAY, JULY 23,

By
Valerie Tennent
And
H. L. Shaw.

wires; umbrellas used with difficulty—27.

High wind—7: Whole trees in motion; inconvenience felt when walking against wind—35.

Gale—8: Breaks twigs off trees; generally impedes progress—42.

criminal cases, in elucidating which Mr. Fortune, a doctor-detective, is a great help to Scotland Yard. He is a bland and imperturbable gentleman who seems to have a penchant for ferreting out evidence of which the Yard officials do not think. These stories will wile away an idle half-hour quite agreeably.

THE hundred and fiftieth anniversary of the birth of Friedrich Froebel, the originator of the kindergarten system, was celebrated recently by German broadcasting stations. Froebel was not in favour of stimulating the intellect of the very young but of their mental development along recreative lines. In 1836, when he opened his first kindergarten, the Prussian Government strongly disapproved, as his anti-disciplinary views were thought to tend toward revolution. The "Wireless Kindergarten" is a regular feature at the Königs Wusterhausen station, and I read that it is one of the most popular of the children's programmes. It is also a feature which is much appreciated by those exiled from the Fatherland, who are intensely grateful for such an opportunity of letting their families learn how the German kindergarten and the German fairy tale—which have found their way all over the world—are interpreted in the land of their origin.

ONE of the finest novels in the latest shipment of books is "Inheritance," by Miss Bentley. This book teems with interesting characters, and there is not one that is not wanted. The story deals with the commercial development of England from 1813 to 1930-31.

ANOTHER novel by the same mail is "Maids and Mistresses," by Beatrice Seymour, and is a very powerful story. There are certain crudities and vulgarities that might have been left out; nevertheless, it is interesting, and its dramatic quality is splendid. It should, however, only be read by the mature person. It is not a book for the young. There is also a new book by Daphne de Maurier, "I'll Never Be Young Again." This is a story of hectic youth. A boy runs away from home, and his life at sea, his life in Norway and in Paris, makes good reading. It is a book of real people leading a real life. The foregoing books were mentioned from 2Z-W by the representative of a leading firm of booksellers.

ON Tuesday evening, July 5, a very bright entertainment was put over the air from 2YA by Frank Crowther's Orchestra and the Choral Eight. On this evening, too, Mr. Gordon Short played the three movements of Bach's "Italian Concerto." The first and third movements of this composition are very bright, and in the conventional Italian style of that day, the second movement is of a devotional nature. The pieces played by the orchestra were light and well done, as were most of the choruses and solos sung by the Choral Eight. I listened to all four stations that night, and 2YA's concert was easily the best.

THE B.B.C. have turned down the proposal of a hearty old gentleman of 103 that he should broadcast a series of talks on the secret of perpetual youth. I believe the intention was to associate the talks with a form of treatment for which one pays money, hence the ban; all the same, one feels sorry that a centenarian should be left to nurse his secret in

silence. It is a pity there are no B stations in England, for I am sure everybody would have been interested to hear whatever this ancient gentleman had to say.

POOR MAN'S oranges are now in, and many housewives will be thinking of making marmalade. Here is a recipe which I have tested, and can therefore recommend. 15 Poor Man's oranges, 3 sweet oranges, 13lb granulated sugar, 12 pints of water.

Our Cookery Corner

THE three following recipes were given from 2YA by Miss Christian, of the Wellington Gas Co.—

Veal Turnover:—*Ingredients:* 1lb cold cooked veal, little lemon rind, ½ pint milk, 2 eggs, 6oz flour, 2oz butter, ½ teaspoonful chopped parsley, pepper and salt.

Method: Make a batter of egg, flour, and milk, season with pepper and salt, and chopped parsley. Mince veal, removing skin and bone, season with salt and pepper, and grated lemon rind. Put butter into frying pan; when quite hot pour in batter. As soon as it begins to set, place minced veal in centre—the latter must not be allowed to cook too quickly, or it will burn. When cooked on one side fold batter over from edges to centre, so as to enclose meat, and turn it over carefully with fish slice. When quite cooked turn on to hot dish. Serve hot with a good gravy or suitable sauce.

Artichokes With Cheese: *Ingredients:* 2lb artichokes. ½ gill white sauce, 1oz butter, a little milk, 1oz grated cheese, salt and pepper.

Method: Wash and peel the artichokes; have ready boiling in saucepan enough milk and water to cover them; boil until quite soft, then rub through a sieve and mix into them the sauce. Put into shallow dish and sprinkle with grated cheese; place a few bits of butter here and there and place in hot oven or grill to brown the top.

Chocolate and Rice Pudding:—*Ingredients:* 4oz rice, 1½ pint milk, 1oz chocolate, 1oz butter, 2oz sugar, 2 eggs, some pastry.

Method: Put 1 pint of milk in saucepan and bring to the boil, then sprinkle in rice and cook till tender, and until it has absorbed most of the milk, then add sugar and butter. Chop chocolate into small pieces, melt it in the remainder of the milk in a saucepan. Mix it into the rice, add yolks of eggs and mix all together. Whisk whites of eggs to stiff froth and stir lightly into mixture. Roll out some pastry, line a pie-dish with it, pour mixture into prepared dish, and bake in a moderate oven for 20 or 30 minutes. Dust over the top with sugar, and serve hot with custard sauce.

Preparing Left-over Potatoes.

TO use up cold potatoes mash them well with milk and butter, add pepper and salt to taste. Take 2oz butter and melt it in a frying pan. Spread the mashed potato about half-an-inch thick over the pan and cook slowly for about a quarter of an hour. Then turn over and cook the other side.

Wash the oranges thoroughly, quarter them, and take out the pips, which put in a separate basin, and one of the twelve pints of water added to them. Slice half the number of oranges to the thickness liked, and put the other half through a mincing machine with the coarsest cutter on it. Put slices and pulp into an enamelled bowl, add remaining 11 pints of water, and leave to soak 48 hours. Put the oranges into a preserving pan, bring to boil, and simmer for an hour or until the peel can

be cut by a wooden spoon against the side of the pan. Strain in the pip water and tie the pips in a muslin bag, allowing room for expansion, and put in the pan. Bring to the boil, and gradually add the sugar, which should have been heated, and boil fast for an hour, or until the syrup jells when tested on a cold plate. Remove the bag of pips after half an hour's boiling. Keep stirring and skimming during this period, and at the end strain the scum back into the pan as a good deal of syrup will have been picked up by the scum. Pot and cover while hot.

An Excellent Curry Recipe.

FOR those who like curried dishes, here is a recipe that resembles an Eastern curry, but made of ingredients obtainable in New Zealand. In the East curry powder is freshly ground for each dish, and the difference between that and the bought powder is so marked that one almost fails to recognise curry as such outside the tropics. This recipe, however, I have tested, and it nearly approaches the taste of the true Malayan curry.

Ingredients: Small chicken, 1 lemon, 1 green apple, 1 large onion, 1 large potato, 2 dessertspoonfuls of flour, 4 teaspoonfuls curry powder, 3 teaspoonfuls curry paste, 2 tablespoonfuls desiccated cocoanut, 8oz. butter or lard for frying, 1½ pint good stock, red chilli, pepper and salt.

Method: It must be remembered that there are two essentials to the making of a good curry—one is correct frying in the initial stages, and the other that fresh curry powder must be used. Cut up the chicken, wash and dry the pieces. Place the butter in a frying pan, melt, lightly fry each piece of chicken, sufficient to seal up the pores—2 minutes' frying is sufficient—and transfer to pan containing the stock. Cut the onion in slices and toss in the hot frying pan, being careful not to fry brown, then transfer to the saucepan. Take the curry powder and flour, mix and fry together in the butter, stirring continuously to prevent burning, for five minutes. Put in the saucepan with the remains of the butter and the desiccated cocoanut, the apple peeled, cored and cut in slices, the potato cut in slices, and the curry paste. Bring all to the boil fairly quickly, stirring all the time to prevent burning. Boil for ten minutes, and transfer the whole to an earthenware stewpot, adding a large teaspoonful of lemon juice. Flavour with chilli, pepper and salt to taste. Place the covered pot in the oven and cook very gently for two to three hours. This curry should be served with rice cooked very dry, the grains separate. A delicious series of additions are the "sambals," or little side dishes of which the following are a few:—Onion cut into fine pieces and pickled in chilli and Tarragon vinegar, peanuts fried in butter, "krupons" or wafer thin rusks, made by pounding together in a mortar, dry fish, flour and salt, moistening with water to make a stiff paste, and cooking the small cakes on a hot plate, thin shredded cucumber, small squares of pineapple, hard-boiled egg cut in slices, potato crisps, pickles and sauces. Almost anything will make a "sambal," and the hotter the curry the more cucumber is wanted to relish the hot and cold mixture.

THROUGHOUT Canada Women's Institutes are finding that broadcasting is an effective means of reaching their various objectives—mainly the achievement of home betterment. Talks on Canadian industries and household economics are broadcast, and various women official organisers speak regularly on subjects, such as public health, immigration, agriculture, education, and the League of Nations.

THE versatile writer, Mr. Othwell Binns, has given us many thrilling stories of adventure in different lands, but none more stirring than his latest work, "White Gold," (Ward, Lock and Co.) In this story he gives some vivid descriptions of the life and customs in Mozambique, and the cruelties practised by the Portuguese officials on the men and women in the prisons there. Charles Ferrers, who is home on leave, receives an SOS call from his friend, Dave Christon, who is gaoled in this filthy hole. Dave held the secret of some platinum mines which a gang of desperadoes wished to obtain. In the rescue of Christon and the race for the treasure many stirring incidents occur which hold the reader enthralled until the finale is reached.

ANOTHER of Ward, Lock and Co.'s recent publications is "Rosamond's Ordeal," by L. G. Moberly. This is a clean, wholesome book with some exciting situations, and will be read with pleasure by old and young alike.

Rosamond, called by her step-mother to go to her father, who is dying, receives a shock. Up to the age of twenty-one she has believed herself to be the elder daughter of Richard Tranby, only to be told by him in his last moments that she is an adopted child. She is so stunned with the news that the man she had adored as her father is no relation, that after the funeral she leaves her home, and seeks a situation. A mystery surrounds her birth, but she meets some people high in the social scale and eventually her lot falls into pleasant places.

"WILD METAL" is a novel by Charles Gilson (Jarrold) that can be warmly recommended. David Haynes is a young man who makes a mess of his life, not through being a weak fool, but the dreamer who merely fails to "fit in." Mr. Gilson is a forceful writer, and creates an interest in the boy almost at once. His childhood's difficulties, his queer dreams, and the dawning of sex, are all splendidly described. David enters a business career, which is not a success, after which he goes in for literature. His love of women interferes most disastrously with his love for one woman, and finally the war puts an end to his problems. A very moving and human story.

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