

THE RADIO RECORD

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WELLINGTON, FRIDAY, SEPTEMBER 21, 1928.

Historic Trans-Tasman Flight

Radio Enables Dominion to "See" Famous Scene

Of exceptional interest as have aroused such an interest been some broadcasts in the past, on no occasion has the Broadcasting Company rendered such a service, or among the public as it did on the occasion of the historic first trans-Tasman flight. It was by the four New Zealand stations that the New Zealand public was advised of the departure of the "Southern Cross" from Sydney; it was by radio that the public was kept apprised of the progress of the aeroplane travelling across the Tasman, it was by radio that listeners "saw" it over Wellington, "saw" it reach Christchurch, "saw" it land, "saw" the wildly enthusiastic crowd breaking the barriers, heard the cheering and heard the speeches of the aviators; in fact, "saw" and heard everything.

Letters have been received by the Broadcasting Company from various parts of New Zealand saying that the broadcasting of the trans-Tasman flight was alone worth the 30/- license fee.

MANY laurels, metaphorically, have been placed on the heads of the staffs at the four stations. Without a break they remained at their posts during the whole period of the flight and until there was nothing more to broadcast. Though the day of the flight, Monday, was silent day for 1YA and 4YA, so constant had been the watch kept on the Australian stations that both 1YA and 4YA (as well as 2YA and 3YA, of course) were able to advise the public that the "Southern Cross" had hopped off. From then on there was no break in the broadcasts from any of the stations.



BY arrangement with the Post and Telegraph Department 2YA received all official information and this was duly picked up by the other stations. Static

was wicked that evening, but the station operators combed the ether and all information was broadcast. At other times the New Zealand and Australian stations were rebroadcast and listeners were even tuned into the aeroplane. People who listened in all night had a very interesting time, but the company's practice of announcing all news every hour (as well as immediately it was received) was a great convenience and was widely appreciated.

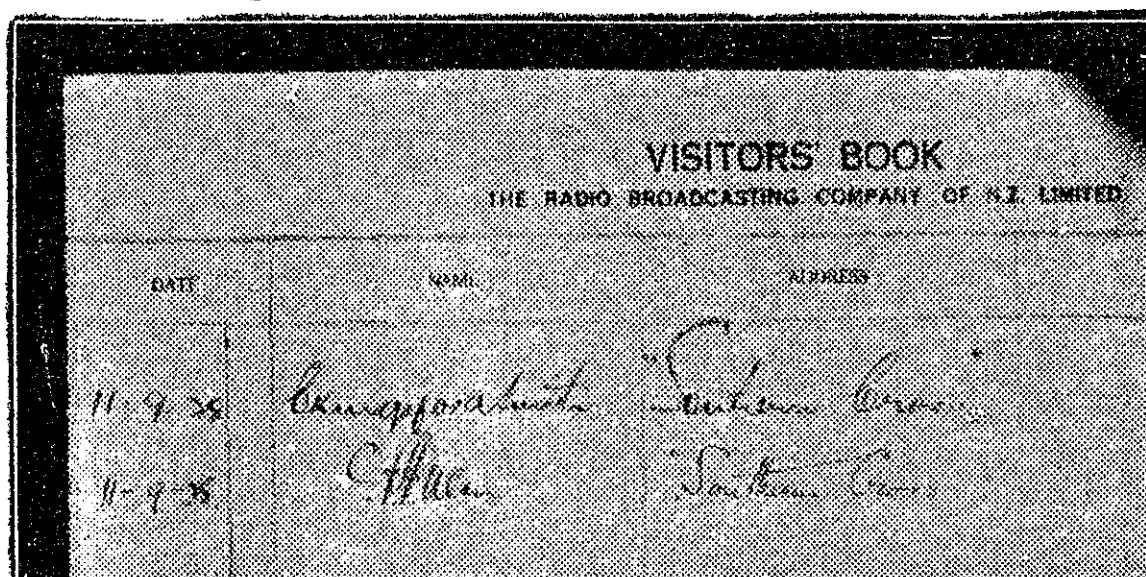
With the 'plane landing at Christchurch, the responsibility of handling the main portion of the flight rested on 3YA. It was arranged that after the 'plane reached New Zealand, 1YA, 2YA and 4YA should rebroadcast 3YA. 3YA was on the air for 18 hours.

THE LANDING.

3YA staff were at the Wigram Aerodrome by 7 o'clock, earlier than was anticipated but nevertheless not too early for 3YA, and were located on a coign of vantage—the roof of one of the hangars. It was a brilliant spring morning. When it was known that the "Southern Cross" had flown over Wellington and was heading south, public excitement became intense. And the principal means of disseminating the news was radio.

As the time of the expected arrival at Christchurch approached, traffic to Sockburn increased and every high roof in the city was crowded with people looking keenly to the north. From Wigram Aerodrome four Bristol fighters set out to meet the Southern Cross and act as escort to the landing place. They disappeared into the light mist.

(Continued on page 5.)



Above: Captain Kingsford Smith addressing the "mike" in 3YA studio; below, famous autographs.

The SOUTHERN CROSS

used

Philips Valves

again!

DELIGHTED with the results obtained by Philips Valves during the recent Sydney-Perth flight, McWilliams, Wireless Operator on the Southern Cross, has again used them for the Tasman flight.

The Southern Cross heroes risked themselves, but not their equipment. These Valves had to be dependable. They were PHILIPS—the famous A442, A415, B443.

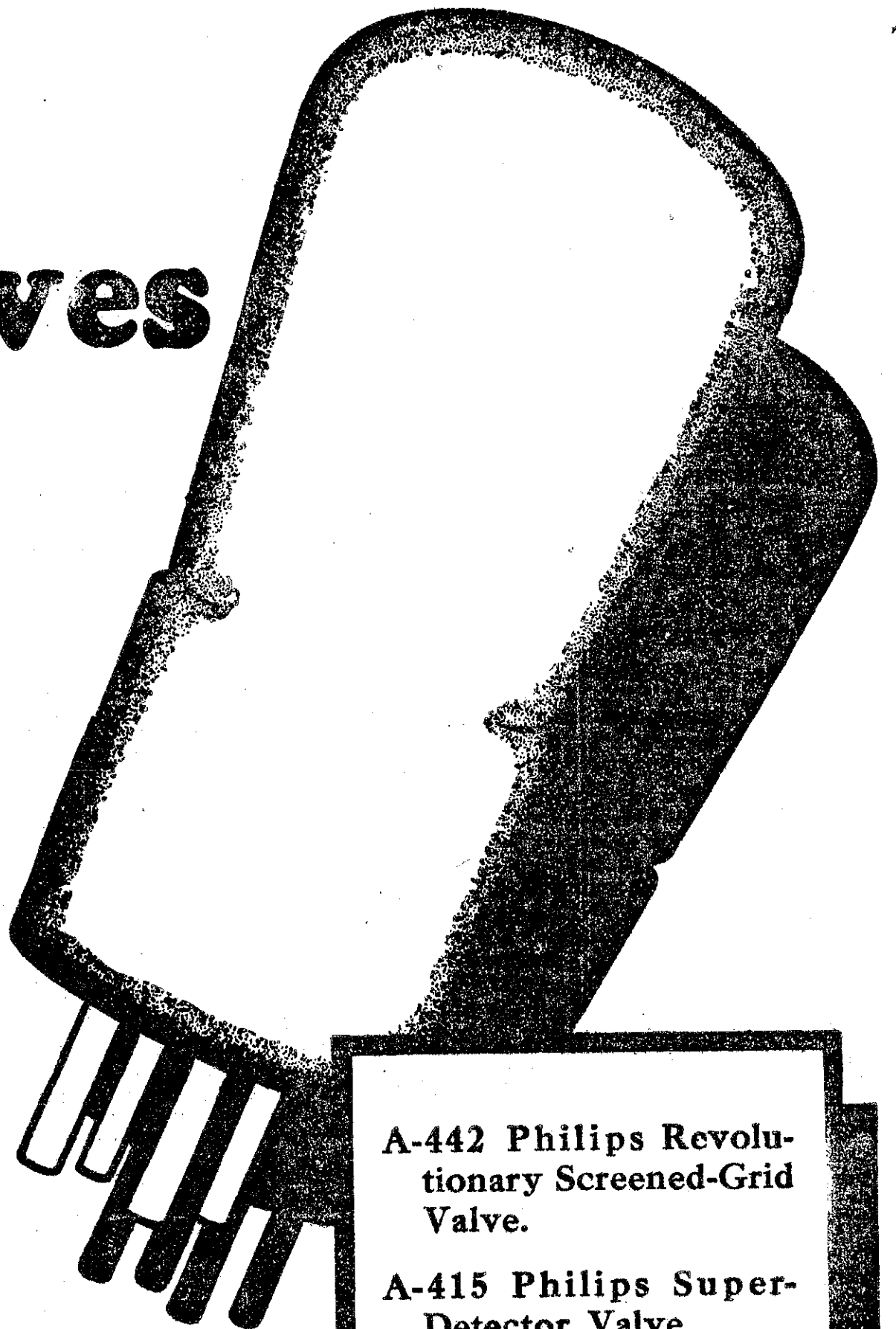
The circuit employed for the receiving set on the aeroplane is one of the oldest in existence. Low "B" Battery consumption was of vital importance, and Philips Valves made this possible.

Stocked by all good Radio Dealers

PHILIPS

MIGHTY "MINIWATT"

VALVES



A-442 Philips Revolutionary Screened-Grid Valve.

A-415 Philips Super-Detector Valve.

B-443 Philips Triple Grid Power Amplifier.

Advt. of Philips Lamps (N.Z.), Ltd
(Radio Dept.),
Hope Gibbons' Building,
Courtenay Place,
Wellington.

Yes, Generator Hum of Southern Cross was Broadcast

Scepticism of Newspaper Critic Unjustified

THE radio writer of a certain Auckland paper wrote:—

"IYA caused some amusement by asking listeners to listen to what the announcer said was the sound of the Southern Cross's generator. It probably goes down with many; experts, however, merely smile up their sleeves."

If this "expert" critic will widen his sleeve, he may now have another laugh, for the facts are against him. The generator hum was broadcast. Others have inquired why it was, if the generator hum was heard, the roar of the engines could not be heard. The answer is simple, and lies in the radio frequency waves.

SIMPLY put for the man in the street, the position is that a current of electricity must be generated and sent out into the ether before any sound can be carried by it; but only sounds translated into radio frequency will be carried.

The current is sent out at a definite frequency, and when received has a definite pitch. It is a note, as in music.

If filtered suitably it will give a clear whistle in the receiver, and is only faintly audible. When transmitted without having first been so filtered there is a characteristic roughness which is easily distinguishable.

Apparatus for the filtration of this wave would add extra weight if it were carried on a plane, and for this reason filtering apparatus is not so used. The result is that instead of a shrill, pure note coming in on the receiver from the Southern Cross a rough suppressed roar is heard. To modulate this before dispatch it would be necessary to carry a microphonic arrangement in addition to the filters previously referred to. If a microphone was installed it would be impossible for the

operator to make himself heard above the noise of the engines, which would then be transmitted into the radio frequency waves. The hum of the generator would still be in the receiver, but it would be drowned out by the noise of the engines impressed upon it.

For these reasons it would be ridiculous to carry these instruments on such a journey as that just accomplished. Speech then being barred, some other device must be resorted to—plainly morse.

A CONTINUOUS current of electricity was available from the generator, driven by windmills on each side of the fuselage, which supplied two currents, one at ten volts for the filament of the transmitting valve, and the other at 65 volts, which was brought up to 900 volts by a transformer to serve the plate. The lighting of the plane was carried out by means of this generator.

Modulation of the carrier wave being barred, one alternative was to interrupt the steady wave generated by the transmitter. By means of a key placed in the circuit, a series of dots and dashes (morse) could be transmitted at will—the duration of the sound representing the generator hum, the silence its absence. When the key was screwed down the uninterrupted carrier wave or generator hum of the plane's transmitter could be plainly heard as one long dash. This was a prearranged signal which denoted "All's well."

THIS is a signal used generally with planes in communication with the shore. When radio beacons are oper-

ating the position of the plane is known, and if by chance the signal should stop, ships in the neighbourhood could be rushed to the exact spot where the plane was when the signal stopped.

THE swelling and diminishing of the note from the Southern Cross's transmitter was caused by the swaying movement of the aerial wire trailed by the plane.

THE generator hum is the sound caused in the receiver by the impulses of electricity sent out from the transmitter at high frequency. These impulses are given sound only by the specialised instrument known as the receiver. The generator makes no sound other than that caused by the whirling of the windmill.

On the other hand, the engines cause a vibration of a lower frequency which is audible, but which, unless impressed on electrical impulses, is not heard at any great distance. As before stated, there was no means available to do this, so that the waves from the transmitter went on their way unmodulated and without the sound of the engines.

The generator hum was picked up by 2YA and put on the air just before the message came through that all was well. It coincided with the restoration of communication. It was received on the short wave.

The Wireless Equipment.

IN addition to the short-wave apparatus mentioned, Captain Kingsford

Smith carried auxiliary radio apparatus—in all, three receivers and three transmitters.

The 600-metre transmitter, which was intended for communication with ships, was built on the same lines as the short-waver, but it has a much shorter range. Both transmitters, fitted in aluminium cases, are mounted in the wall of the navigator's part of the airplane, projecting only about 8in. from the wall.

The Emergency Transmitter.

THE third transmitter is an emergency one, designed for use in case the machine had to land on the water, so it was made waterproof. It has a one-inch spark coil, and is tuned broadly to 600 metres. The key is under a rubber-covered hole in the waterproof box, so that to send a message the rubber is pressed, thus working the key without letting water into the transmitter.

The aerial for the emergency transmitter is 200 feet of stranded wire, which, if it had ever to be used, would be carried up into the air by a small balloon. A small hydrogen container to fill this balloon is carried in the plane. The emergency transmitter, which is battery operated, will work for eight hours, and on test has been heard 200 miles away at night.

The aerials for the other transmitters are lengths of wire, weighted at the free end, which are carried on reels.

The Receivers.

THE receivers are so arranged that any one of the three tuner and detector units can be switched across to the two-stage amplifier. So well has the radio apparatus proved itself, that Commander Richard Byrd has ordered similar equipment for his Antarctic expedition.

The Byrd Antarctic Flight.

Messrs. R. J. Patty and P. R. Stevens, of 22M Gisborne (Atwater Kent), have been asked by KDKA, the famous Pittsburg short-wave station, to prepare a special schedule with the Commander Byrd Antarctic flight project and endeavour to maintain communication with the expedition. Details of the time the flight is to commence will be the subject of further communication from KDKA. It is a striking compliment to these Gisborne amateur operators that KDKA have made this special request to keep in close touch with Commander Byrd's Antarctic flight.

A DIRECT line of short-wave stations of moderate power is to be erected at suitable points to connect America and China with a regular commercial service.

I Would Like to Know—

I would very much like to hear 2YA's explanation, or excuses rather, as to why they missed badly 2BL's description of the departure of the "Southern Cross" from Richmond Aerodrome. I was fortunate in hearing 2YA's announcement during the children's session that the "Southern Cross" would leave Sydney about 7 p.m. Immediately tuning in 2BL with a 4-valve, I heard the whole of the preparation for departure, and the take-off at 5.30 p.m., Sydney time, and believe me, it was wonderful. When 2BL returned to studio some ten minutes after the departure, I tuned 2YA, who announced that they would pick up 2ME to rebroadcast the description of the departure of the "Southern Cross." After about ten minutes of howling and squealing, they eventually managed to capture a gramophone record. Later on in the evening, I tuned in 3YA, to find them rebroadcasting

2BL's resume of the description of the departure. After this concluded, I was curious to know if 2YA had caught on, but, strange to say, they missed again, as the announcer asked listeners to stand by while they rebroadcast 2BL's resume.

Now, I am rather curious to know why the super-power station, with its expensive equipment, cannot pick up and rebroadcast that which an amateur can receive at good volume on speaker with a common 4-valver.—L. Rapley, Puponga, Nelson.

[It is a common mistake to assume that conditions at one spot are the same as obtain elsewhere. Puponga is 70 or 80 miles from Wellington, and Mr. Rapley is fortunate that his conditions that night were so good when in Wellington the general experience all round is that they were horrible. There is probably no better man in New Zealand at handling a receiver than the gentleman upon whom 2YA was relying that night. We think listeners in general would think it better form for Mr. Rapley to congratulate

himself on his own results and conditions, than to question the capacity of others.—Ed.]

Generous Donations.

SQUADRON-COMMANDER KINGSFORD SMITH and Lieutenant Ulm have given two splendid instances of their generosity. They have made a donation of £50 to the R.S.A. (the cheque is for £50 5s., the 5s. being for exchange), and they have given £10 10s. to the Hood-Moncrieff fund.

THE countries of Europe with the largest number of radio sets per hundred of the population are England, Holland, Denmark, Sweden and France; and the countries where radio lags behind are Germany, Switzerland, Italy and Austria. In Spain radio is rapidly coming along.

Radio Round the World

THE latest statistics to hand give the following interesting figures regarding the B.B.C.:—Paid licenses, 2,506,300; free licenses for the blind, 12,772; a total of 2,519,072, being an increase of 211,772 during the last year. Twelve and a half per cent. of the fees is taken by the Post Office for the cost of collection.

IT is commonly supposed that many European countries, and especially Germany, are countries of technicians, where radio is not only thoroughly understood but where conditions such as those in England are closely approached. However, this is not the case. Germany in many technical matters is far ahead of other countries, but strangely enough this is not the case with radio.

THE United International de Radiophonie will shortly have to tackle the problem of the allocation of the few remaining long wavelengths. In all, there are only seven channels available for broadcasting, but thirty stations are asking for them. It may be taken for granted that England will not relinquish the one long wavelength in use there, that of Daventry, 5XX (1604.3).

AS regards the medium wavelength the situation is even more difficult than the one which was dealt with previously. According to the Washington conference broadcasting has to be fitted into a wavelength band between 2500 metres and 545 metres. One hundred and three channels are available in Europe, while there are well over 200 stations.

UNTIL recently most of the Australian long-distance relays have been carried on by land-line relay. Now a series of experiments are being conducted with direct relay from one station to another. Some fine results have been obtained, including the relay of Toti del Monte's wedding. This was broadcast from 2ME on short wave, picked up by 4QG, and rebroadcast with perfect quality.

DURING the rebroadcast from 3YA of the landing of the trans-Tasman flight a local dealer operated a loud-speaker at his door. Crowds gathered to hear the reception of the airmen in Christchurch, although it was estimated that the Heeney-Tunney fight attracted larger numbers. The time of day and the fact that at any moment it might be heard that a New Zealander had brought honour and glory to the country probably accounted for the larger assembly at the fight.

THE chairman of the Federal Radio Commission (America) issued a forceful statement recently: "On all bands it is conceded that, for the general public interest there must be fewer stations. The fulfilment of the law implies more than mere local interest, likes and dislikes. In major consideration the problem is a national one. For the good of the whole country not so many stations will in future be licensed."

CANADA has six exclusive and twelve shared channels for broadcasting as compared with 77 exclusive and twelve shared channels in America. It has only 5.5 stations per channel, as compared with 7.7 in the United States. The population of the States is twelve times as great as that of

Canada, and the number of radio sets twenty times as large.

RAPID strides are being made by two large research laboratories in the United States in the development of an improved method of broadcasting which will give much better quality and will permit narrower wave bands to be used. This means that interference will be minimised. There will be more room for broadcasting stations on the air and a smaller number of valves will be required in the transmitter.

IT has been discovered that the position and altitude of the sun influences the route by which the radio waves prefer to travel. For instance, during the morning period in England the waves generally prefer to go from England to Australia in a westerly direction across the Atlantic, following the great circle along the longer route which is approximately about 14,000 miles. During the evening the waves prefer to travel by the shorter great circle route, across Europe and Asia, a distance of 12,000 miles.

A NEW multi-valve receiver was installed at Balmoral Castle for the King's recent visit. The cables reported that he spent many of the evenings listening-in. His Majesty has had a set at Buckingham Palace for some time, and is said to make much use of it. At a wireless exhibition some time ago he complained to a manufacturer's representative that the set would not cut out 2LO. Arrangements were promptly made to provide him with one guaranteed from this defect.

NEGOTIATIONS have been completed for the acquisition of a large tract of land for the site of the new high-power regional scheme broadcasting station for the B.B.C. The estate (Bookman's Park) takes its name from the family which held it in the reign of Henry IV. John Lord Somers, the famous Lord Chancellor, lived in the old house on the estate, but it was burnt down thirty-five years ago.

THE Government of France has tabled a Bill regulating wireless transmission in that country. The Bill asserts the principle of State control of transmitting stations which may either be worked by the State itself or be leased out for a period not exceeding ten years. One provision of the Bill is to impose a tax to meet the expenditure of the new broadcasting department.

A CURIOUS story appeared in the English Press recently from Hatteras, North Carolina, where it appears oysters were humming so merrily during the month of May that certain wireless under-water experiments had to be abandoned. Apparently, the delicate mechanism used by the experimenters was put out of gear by the noise caused by the oysters. The experimenters applied to the Bureau of Fisheries for relief, but it appeared that the Government office announced that it could give no remedy to make oysters stop singing!

IN the Argentine, the value of broadcasting has been recognised, and Buenos Aires alone possesses eight stations. Of these, usually not more than two transmit at the same time. Broadcasting in Argentina is largely in the hands of amateurs, and at present no license fees are charged to listeners, but it is likely that it will be reorganised on systematic lines.

SOUTH AFRICAN broadcasting has had a chequered career during its short life. In 1924 the Government granted licenses for public broadcasting stations to the Capetown Publicity Association, and other similar bodies. Although reasonable license fees were charged, "piracy" (i.e. the use of unlicensed listening sets) was rampant, and gravely affected the financial success of the stations. Two stations managed to keep going until, in 1927, a Broadcasting Company was launched, and purchased them in addition to re-starting one of the closed stations. This manoeuvre has proved successful, and now extensions on the lines of the English system are planned.

IN an experiment carried on recently, phonograph music was sent across the Atlantic, back and rebroadcast. The signal was first sent out from Schenectady over shortwave station 2XAD. This was picked up at Chelmsford, England and fed into the short-wave transmitter of 5SW, which sent the signal back to Schenectady. Here it was picked up and retransmitted on the broadcast band. When picked up the rebroadcast was noticeably free from static and interference.

IN the recent aeroplane flight by Captain Kingsford Smith from the United States to Australia, the Fijian wireless station (now being modernised) proved of great value to the aviators, for besides the transmission and reception of messages, direction finding signals were also transmitted by Suva radio and were helpful in guiding the plane to its landing in Fiji.

EXPLORATION for oil in Papua (New Guinea) has made big demands on wireless communication, as has also the rapid development of the gold fields in New Guinea. Small transmitting and receiving sets were installed for a number of expeditions, to enable the explorers to maintain direct communication with headquarters at Port Moresby. These have been found to work very satisfactorily, and to lessen appreciably the dangers and risks of the exploring parties.

WITH regard to the broadcasting of pictures, the B.B.C. and the German broadcasting authorities take similar attitudes. While taking the liveliest interest in the various inventions for picture transmission, and watching with sympathy the experiences gained in every quarter, they do not feel that the moment has arrived to support preferentially any one of the systems. There is a danger that if alterations in a transmitting system were introduced, apparatus purchased by listeners and themselves might become obsolete.

All facilities are given to inventors to further develop the technical side of picture transmission and reception.

A QUESTION was asked in the House of Representatives (N.Z.) as to the reason why amateurs wishing to operate on short-wave telephony should be compelled to pass an examination in Morse. In reply it was stated that as there are so many stations, including stations capable of sending Morse only, operating on high frequency, it is impossible to allot frequencies sufficiently separated to prevent interference. It was possible that a short wave telephonist operating on the same wavelength as a morse commercial station could cause great inconvenience, and unless the operator was proficient in morse reception he would be unable to be informed of the fact.

THE first paid message sent by the Marconi system was on June 3, 1898. This historic message was sent by Lord Kelvin, who was at that time visiting Marconi's experimental radio station on the Isle of Wight in company with Lady Kelvin and Lord Tennyson. Lord Kelvin showed his appreciation of Marconi's work and his belief in its commercial future by sending four messages and insisting on paying a shilling for each of them. The first message was to Sir George Stokes, and read: "Stokes, Lensfield Cottage, Cambridge.—This is sent, commercially paid, at Alum Bay for transmission through ether, one shilling, to Bournemouth, and thence by post and telegraph, thence to Cambridge.—Kelvin."

THE regional system (B.B.C.) provides for the erection of a limited number of high-power twin-wave transmitters to replace the present comparatively large number of low-power stations. The areas served can no longer be extended by erecting more stations in view of the restricted number of wavelengths available and the inevitable interference between home and foreign stations. The present system restricts listeners with simple apparatus to the reception of one programme. Great Britain has the use of ten wavelengths and the regional scheme is designed to use them to maximum advantage by giving the greatest possible number of listeners uninterrupted service of two programmes.

UNEXPECTED results are being obtained in the broadcasting of a series of ghost stories from 3LO. One story concerned an inventor who was shut in a mysterious country house, in which he had secreted himself to carry out experiments with a new type of valve. A partner, some distance away, awaited to hear him transmit the news of his success. Of course, the house turned out to be haunted, and the waiting listener heard his friend's frantic plea for help against unknown forces in the sinister house. To heighten the effect, 3LO announced that it had picked up the station and desired help to be sent to the unfortunate inventor, giving a fictitious account of the position of the house. Evidently tuning in at this point, several listeners misunderstood the purpose of the message, and mistook it for a real life drama. One amateur transmitter actually broadcast the appeal for help, and rang up 3LO to learn the outcome.

A DIRECT radio telephone service has been opened up between Holland and the Dutch East Indies.

Historic Trans-Tasman Flight

(Continued from cover.)

LISTENERS-IN heard each machine start up with a roar and take off and the picturesque scene at Sockburn was graphically and interestingly described. A mighty roar announced that the Gloster Grebe was taking to the air and this exceptionally fast machine under Captain Findlay entertained the waiting crowd with a session of sensational stunting.

The mist over the plain was quickly dispersing and at last out of the haze in the northern distance came five aeroplanes, one very much larger than the rest. They were described from the roof of 3YA by the aid of binoculars, but for some time later it was impossible for the naked eye to detect them, and then at first only the giant "Southern Cross." The aeroplanes did not fly over the city but headed straight for Sockburn.

The "Southern Cross" circled the aerodrome and the roar of her engines was distinctly heard by all listeners. The great plane with its blue body and silver wings was flying only a hundred to two hundred feet above the heads of the crowd. Then said the announcer:

"She is landing now—she is forty feet off the ground—the wheels have touched—she has jumped a few feet into the air and down again—a perfect landing only a few feet from the marked landing circle—the time is 9.23."

SPEECHES BROADCAST.

THE "Southern Cross" had landed! People from one end of New Zealand to the other knew it—at 9.23 too. But radio had not finished its part in the great flight. The speeches were to follow. Mr. McWilliams spoke from the aerodrome and Squadron-Leader Kingsford Smith and Flight Lieutenant Ulm spoke from the studio of 3YA. Next day followed the civic welcome and that evening listeners were enabled to overhear all—or most—that was said at a Returned Soldiers' smoke concert tendered to the airmen.

The Broadcasting Company's stations handled the flight with splendid efficiency, but the company does not claim all the credit to itself. This was borne out in an interview which Mr. A. R. Harris, General Manager of the Company, had with a Christchurch "Star" reporter on the day of the flight. In the course of that interview Mr. Harris said that the company and listeners were deeply indebted to the Post and Telegraph Department for its whole-hearted co-operation. The Department had spared no trouble to keep the radio stations posted with the latest reports and it had installed a first-class land line to the aerodrome, a distance of seven miles. Mr. Harris also referred to the great assistance that he had received from Mr. P. R. Climie (Secretary of the Canterbury Progress League), Major T. M. Wilkes (Director of the Air Services), and Captain J. L. Findlay (officer commanding the aerodrome).

The giant monoplane "SOUTHERN CROSS," that carried the famous flyer and his crew safely across the Pacific.

KINGSFORD SMITH pins faith on Burgess Batteries

Wherever the very best of radio equipment is imperative you will find Burgess Batteries chosen. Time-tried and tested. Unequalled for dependable, trouble-free service, good performance, and long life. Vouched for by men whose very lives depend on the efficiency of their apparatus.

Fit YOUR set with Burgess Batteries. Obtainable from all good Radio Dealers.

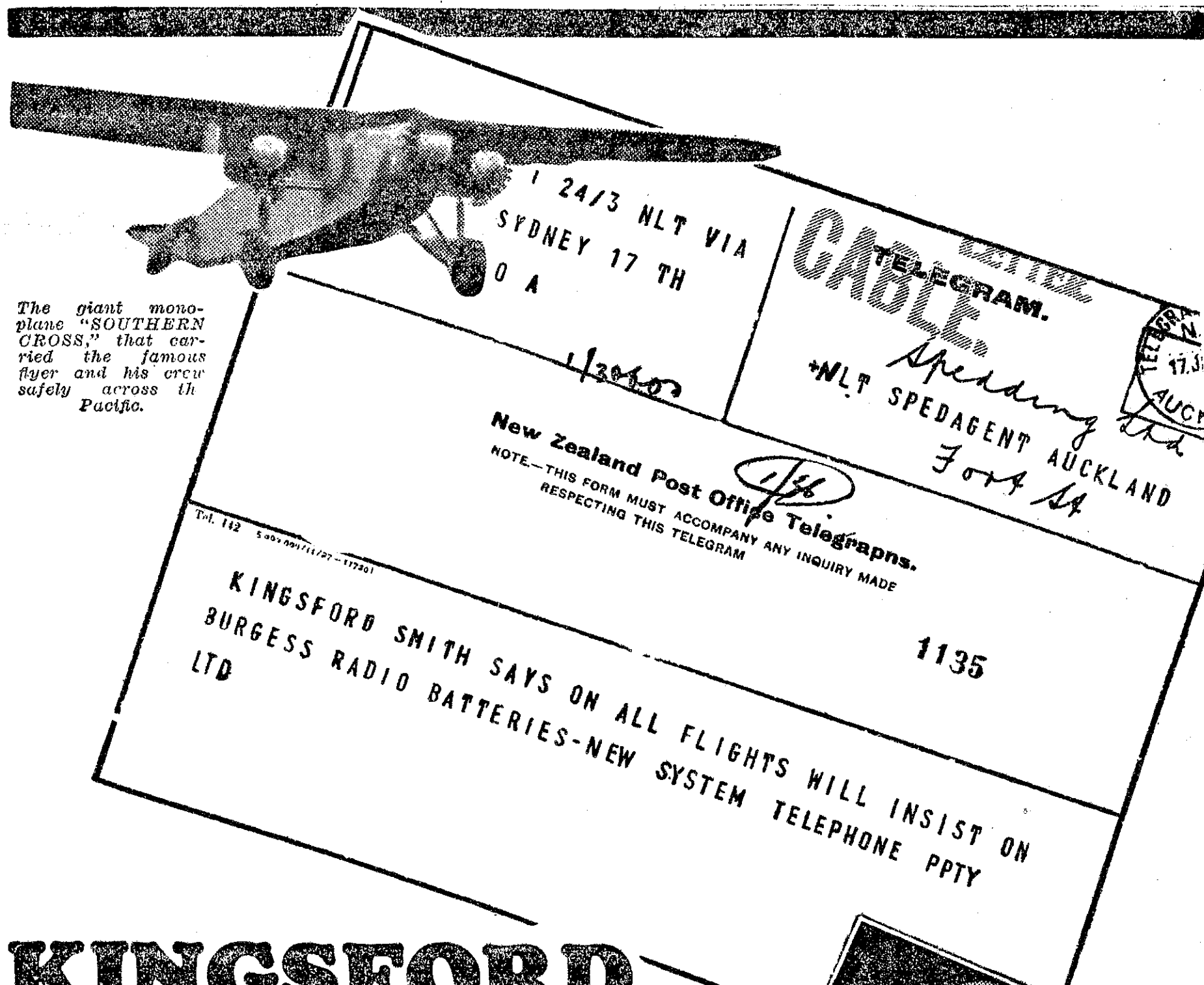


Capt. Kingsford Smith

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SPEDDING LIMITED, Cnr. Anzac Ave. and Customs St., Auckland; Dominion Building, Wellington; 214 Madras St., Christchurch; 42 Crawford St., Dunedin.



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WELLINGTON, FRIDAY, SEPTEMBER 21, 1928.

THE CROSSING OF THE TASMAN.

RADIO listeners have had epic fare the past week. In last week's issue we were just able to insert the announcement that the flight was under way and gave the news to midnight. The further course of the flight and its events are now history. Through radio, listeners were given all the news that was available and listeners know now that the absence of a greater number of messages was due to the conditions met on the voyage and the carrying away of part of the aerial by a lightning flash, and the attendant difficulties of restoring communication. For a spell of three hours no news or note was heard from the 'plane, and this long silence from 11 p.m. till 2.34 occasioned some trepidation. But, fortunately, alarm was ill-founded, and hearts bounded up again when, just before 3 a.m., word was flashed that all was well. Incidentally, at this point the generator hum of the 'plane was put on the air as proof, and the accuracy of this announcement has been questioned by a newspaper. This critic is, however, himself wrong, as a full technical explanation given elsewhere shows.

THERE is no need to recapitulate the service rendered by the four stations. It was complete and satisfactory, and enabled listeners on that night to be in a select company possessed of knowledge denied the vast bulk of the balance of the community. Following on a number of delays, public interest had somewhat waned, and, as conditions were not reported to be of the best, the take-off on that Monday evening was unexpected. The result was that evening newspapers were without the news, and it was not till a little before 7 o'clock that 2YA, in the course of the children's session, was able to announce that they would be passing over to 2BL to broadcast a description of the departure. As it happened, conditions in Wellington for trans-Tasman reception that evening were bad, static being viciously prevalent—Kingsford Smith's encounter with a number of lightning storms supplying interesting evidence, by the way, of the origin of static and its prevalence in this area. In spite of the difficulties, however, full service was given from all stations, and with the actual arrival radio took its rightful place. After the unexpected entry of the Southern Cross into Wellington Harbour listeners were able to follow the flight down the coast till at Amberley she was met by the four Bristol 'planes and escorted to Sockburn, where through the eyes of the announcer, listeners saw her make a perfect landing at 9.23. And so the historic flight was over. In extending congratulations to the aviators, listeners will be glad to have "listened-in" on their successful venture; and many will give a compassionate thought to that other long night in January last when first they watched and waited for the crossing of the Tasman.

AS listeners through radio and its service in connection with the flight have a special interest in the commemoration of the event, we commend to their attention a proposal emanating from Christchurch that some move should be made by listeners to mark the occasion. A statement bearing on this is published elsewhere, and those interested are invited to communicate with the general manager of the Broadcasting Company.

A Radio Presentation.

Suggestion Made for United Action.

THE following announcement was made from all stations on Saturday evening:—

"A proposal is on foot in Christchurch, where the aeroplane Southern Cross landed after flying the Tasman Sea, to raise a fund for the purpose of making a presentation to the aviators. The occasion is an historical one, and everyone will agree that the men who will in years to come be looked upon as the pioneers of a regular air service between New Zealand and Australia, are worthy of some recognition in the form of a presentation, subscribed for by the people of New Zealand. It is because the Broadcasting Company feels that radio enthusiasts throughout the Dominion have an especial interest in the flight that the proposal is now being brought before your attention, and the suggestion is made that radio listeners throughout New Zealand should have the opportunity of subscribing to a presentation to the four airmen. As all listeners throughout New Zealand know, radio broadcasting played a great part in connection with the flight. By its means the people of New Zealand were made to feel that they were actively sharing in an adventure which has linked Australia and New Zealand closer together than ever, and this feeling has been added to by the fact that one of the airmen is a New Zealander. Any listener who wishes to take part in the presentation is invited to communicate with the general manager of the Broadcasting Company, Christchurch."

Sporting Fixtures.

Coming Attractions.

SATURDAY, SEPTEMBER 22:

Auckland v. Taranaki, 1YA.
New South Wales v. Maoris, 2YA.
Wellington v. Canterbury, 3YA.
Otago v. Southland, 4YA.

SATURDAY, SEPTEMBER 29:

Otago v. South Canterbury, 4YA.

Boxing Relay Postponed.

OWING to the injury to his hand proving more serious than at first anticipated and preventing him from meeting Radford in his engagement at the Wellington Town Hall on the evening of September 17, the boxing relay for that night was of course postponed, and at short notice a concert programme substituted by 2YA. When the fight does take place, it will be broadcast, and will undoubtedly prove a popular event.

Feast of Re-broadcasts.

2YA, thanks to the equipment still available, and the fair conditions now ruling for overseas reception, gave listeners on Saturday afternoon a further taste of "DX." Just before the commencement of the football match Nelson v. Wellington the General Electric Company's station at Schenectady, WGY, was picked up and rebroadcast for some 15 minutes. At the interval, PCJJ, Holland (the Philips Company's station), was picked up as on the previous Saturday at the same time and broadcast for the benefit of listeners.

Again in the evening 2YA gave listeners a taste of variety by picking up 1YA and broadcasting dance music being played in the Masonic Hall, Auckland.

1YA Mystery Night.

Full details of the second competition to be conducted at 1YA have not yet been finalised so there will be no "Mystery Night" next week.

The proposed competition for Wednesday, September 26, has been postponed till a future date.

3YA Church Committee.

A meeting of 3YA Church Service Committee was held at the studio, 200 Gloucester Street, on Tuesday afternoon. There were present: Ven. Archdeacon F. N. Taylor (Church of England), Rev. T. W. Armour (Presbyterian), and Pastor J. Crawford (Church of Christ). An apology for absence was received from Rev. D. Gardner Miller. Ven. Archdeacon Taylor was voted to the chair.

Applications from Second Church of Christ, Scientist, for the broadcast of a lecture on Christian Science, on the afternoon of Sunday, October 14, and from the Conference of Seventh Day Adventists for the broadcast of a service on Sunday, December 16, were then considered.

After considerable discussion it was decided to recommend to the Broadcasting Company that, until the completion of the first year of the committee's operation, the broadcast of services be restricted to the denominations originally invited by the company to appoint delegates to the committee.

The Radio Depot

165 Manchester St., Christchurch.

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Warped Statements made to Justify Racing Ban

Challenge to Racing Secretary

IN another column there is published the text of a letter addressed by the secretary of the Racing Conference to the secretary of the Wellington Amateur Radio Society in response to the protest of that society and the Hawke's Bay Radio Society against the banning of race descriptions. In this letter certain statements are made which to our mind do not convey the exact truth and we think it due to all concerned to make correcting comment.

There is scarce need to dwell on the weak suggestion of the secretary that back-block settlers and inmates of hospitals will really find it more convenient and enjoyable to dispense with broadcast descriptions of races till the evening when they will be able to receive all the results in one huge mouthful! Frankly, this is pitiable and there is no need to do more than point to the spectacle of the inmates of Palmerston and Waipukurau sanatoriums making earnest petition for the restoration to them of the hours of joy given by the broadcast descriptions. If the members of the Race Conference have any hearts at all, let them but test their own statement by going into such a hospital as Wellington (now equipped with radio) and learn at first-hand how popular their "ban" is. The secretary's suggestion that it would really be better for them to wait till evening strikes one as heartless sarcasm.

Do the Police Need Nursing?

THE suggestion is revived that the ban is dictated by concern for the alleged inability of the police to cope with illegal betting. The secretary writes, "The Commissioner of Police is reported to have had representations made to him," etc. Does this mean that the ban has been imposed without even troubling to find out whether the police do definitely want the assistance of the racing authorities in carrying out their job? Does not the secretary know definitely where the police stand in the matter? It should be a simple thing to ask the Commissioner precisely what his views are and

whether he considers the police force is incapable of dealing with offences against the law without the need of depriving thousands upon thousands of innocent homes and the sick and maimed in hospital of hours of radio enjoyment? It is this vagueness which led the public from the start to recognise as mere camouflage the suggestion that the racing authorities were in the least concerned with the public morals. That ground was in reality abandoned by the secretary himself when in former correspondence the suggestion was advanced that the attitude of the authorities might change if a little cash were to pass for the privilege of broadcasting! In those circumstances what weight attaches to the reasons advanced by the racing authorities?

Right to Suppress News?

BUT it is in relation to its claim to control the dissemination of news after the event that we think the secretary of the Racing Conference has, consciously or unconsciously, warped his presentation of the exact position. He says: "The Radio Broadcasting Company . . . claims that the racing clubs have neither the right nor the power to restrict the company in its broadcast of the particulars of their meetings. It would be interesting to know whether your society supports the company in its view that racing clubs have no right or power to control particulars of their own entertainment during the progress thereof."

THIS version is inaccurate in that it omits to cite the circumstances. In first banning broadcast descriptions, the conference intimated that it recommended clubs to afford the Broad-

cast Company facilities equal to those accorded the Press. The facilities accorded the Press include expensive accommodation, telephone facilities for the prompt despatch of news, and immediate use of that news. The outcome of this is that certain newspapers during the progress of important meetings issue special editions and have race news available on the streets only a few minutes after the running of a race. Further, results are posted outside their offices promptly after completion so that the public that is within range of this service secures promptness and efficiency.

But while pretending to give broadcasting facilities equal to the Press, the race authorities would not do so. They imposed as a condition of attendance as their guests, that the telephone was not to be used for the dispatch of news to the studio and that no use was to be made of the news gathered at the course till the evening session.

It was this limitation of facilities, and more particularly the lapse of time, which the Broadcasting Company regarded as unfair and as "a stipulation which the conference has neither the right nor the power to enforce."

How Far Will They Go?

BY omitting to explain the circumstances in which the Broadcasting Company refused to be bound by the gagging tactics of the Racing Conference, the secretary has been guilty, consciously or unconsciously, of unfairness. He asked the question whether the society supported the Broadcasting Company in its attitude. It is not our place to speak for the society, but we do know that we speak for the great majority of our readers

when we say that listeners are definitely behind the Broadcasting Company in its refusal to be bound by the unfair gag of the racing authorities.

We are quite prepared to turn the tables on the secretary and ask him if his conference seriously claims the right, in a British community—accustomed to freedom and fairness, of suppressing news and its dissemination by one medium while encouraging it on the part of a dozen agents of another medium?

IF they do, let them say so, that we may know how far the Racing Oligarchy presumes to go. Up through the centuries the public has fought for the right to news, hot from the event. Immediately a race is over, the result becomes news, even the events of the race are news, and under the law of the land may be disseminated as such by any medium that an interested party cares to employ.

IT is to the credit of the Broadcasting Company that it has refused to avail itself of the proffered hospitality of the racing authorities so long as the restrictions mentioned apply. Working strictly within its legal rights it has secured news at the earliest opportunity and broadcast it for listeners. Those who wish to bet on this news are at very little disadvantage compared with the actual broadcast; in any event those keenly concerned with the results from the betting point of view secure their news in their own way. All that the ban has done has been to deprive the . . . offensive and unoffending of enjoyment; to add weariness and weight of hours to the sick and afflicted; and to show the public how much its entertainment and goodwill count against a few extra shillings of forced admission money. While neither we nor the Broadcasting Company question the right of the Racing and Trotting Conferences to run their business as they like, we are at liberty to question the wisdom of the reasons advanced for their action; and to resist any effort at oppressive gagging sought to be imposed on the public.

Struck by Lightning.

"Southern Cross" Experience.

THE radio outfit on the Southern Cross, with which communication can be obtained with the land while the machine is in flight, is a short-wave receiving and transmitting set, which also operate at 600 metres. There is an aerial for each wavelength. These aerials consist of trailing wires with a weight on each to keep them taut.

As is well known now, the radio operator, Mr. McWilliams, fared badly on the flight. The Southern Cross encountered an electrical storm, and a flash of lightning put both antenna ameters out of action. After working on it for hours, lying on the floor of

the cabin, a torch in one hand, Mr. McWilliams was just about to reassemble the pieces when the aeroplane ran into one of the worst bumps ever experienced, and the loose equipment was scattered everywhere. The operator persisted in his job, and eventually got the set into working order again.

Had it not been for the mishap in the storm the public would have received many more messages from the Southern Cross.

A DUTY of 40 per cent. is charged on radio valves imported into the United States. There is an agitation on foot to reduce this to 30 per cent.

AS a result of the erection of three meteorological stations in Greenland, two days' notice will be given to ships of storms expected to reach the Atlantic Ocean.

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Flight Service Appreciated by Listeners

MUCH appreciative comment, written and verbal, has been received by the Radio Broadcasting Company for the service rendered during the flight.

"It is in emergencies such as these that we appreciate the true spirit of the service to the public," writes one listener.

"I feel that I cannot let this occasion pass without sending you my heartiest congratulations and thanks for the wonderful way in which you kept those who have wireless sets in touch with the 'Southern Cross.' I tuned in 2FC just to see what was doing and was in time for a full description from Richmond and the take-off of the 'Southern Cross' and its gallant crew. I was in touch with your station all through the night. Your announcer at Sockburn was absolutely wonderful. I feel quite proud of being able to say that I was able to follow from the time the 'Southern Cross' left Sydney until its arrival in Christchurch, an occasion that will never be forgotten. I am sincerely hoping that after the wonderful performance of the New Zealand broadcasting stations the New Zealand listeners will settle down and realise that we have a company to be proud of."

"On behalf of myself and circle of friends who enjoyed the privilege of listening in on your effort of broadcasting the recent Tasman flight, allow me to thank you and your staff for an enjoyable all-night sitting. Everything came through lovely and clear, and your selections made an otherwise dreary wait an enjoyable evening. It was your job and you came through on top 100 per cent."

Arrangements Good.

"It is with the greatest pleasure," says another, "that I write to thank you all at 2YA for the magnificent description of the Kingsford Smith Tasman flight. It is quite apparent from the results obtained by listeners that the arrangements made at your studio for the description of the flight were in every way perfect, and worthy of the highest praise. Such actions as this I am sure will go a long way to advancing the splendid work done at 2YA. I am sure that listeners throughout the whole of New Zealand and elsewhere will join in wishing the management of 2YA every success in their good work."

"Mr. Announcer—I don't know your name—I am very pleased to say we heard everything so clear on Tuesday night right up to the time the flyers came to Christchurch. It was very good indeed. Then at 12 to 1 to-day was very good. I had a great number running in asking me 'What's the news?' I must have had 100 people here on Tuesday night, and we stayed up all through."

"Reception was so complete that my 12-year-old daughter, going to school two hours late, was called on by the schoolmaster to relate the flight and landing, even the schoolmaster being unaware that the flight had started."

A Country Party.

THIS is my first letter to you, but I am not new to Radioland. I am writing now, because there are always growlers, and, no doubt, you may get letters complaining about the way the Radio Broadcasting Co. handled the Southern Cross flight. The growlers are sure to find some complaint, so I want to get in first, and give you this tip—ignore them.

The R.B.C. are thoroughly deserving of any praise they get, and are to be highly congratulated on their efforts on that night of nights. Throughout the night there was nothing to complain of.

I turned on the "juice" at 6 p.m. on Monday night, and did not turn off until after the landing of the Southern Cross, on Tuesday morning.

The transmitting end of the job at Wellington was carried through in a manner which left nothing to be desired.

At the home of the writer, the night was made one for rejoicing, and the radio receiver played the part of entertainer.

The hop-off from Sydney came over the air quite clearly, and from that the cue was taken to turn on the merriment. Each announcement was made the excuse for cheering, and toasts to the "Airmen," the "Southern Cross," and the "Broadcasting Company," to which all responded in the proper man-

ner. Everyone entered into the spirit of the thing, and no one thought of bed. 2YA kept up the good work, and chased away the sleepman.

A bit of a lull was noticeable when, at about 3 a.m., the report was "still no news," but shortly after that came the O.K., and, with a burst of cheers, the party again made the air rattle.

About 5 a.m. someone went outside and dragged in the milkman, who went away about half an hour later, with the "radio bug" biting hard.

From the moment that the "Southern Cross" was sighted in Wellington, until the switch-over to 3YA, the party went mad, but 2YA also was excited, and we all helped him sing "Kingsford Smith" till we lost our breath.

The landing at Christchurch was the crowning event to an all-night flight, but it was also the grand finale, to, I think, more than one all-night radio party.

Now, Mr. Editor, will you please pass on our thanks to the Broadcasting Company for their good work, and tell them that we are all looking forward to the return flight of the Southern Cross, and another example of perfect broadcast station management.

So here's good luck to the airmen, the R.B.C., and last, but far from least, the "Radio Record."—Keith Ross, Taranaki.

Valued in Christchurch.

AS secretary of the old Listeners' League I am still in close contact with great many licensees in the city and country, and on their behalf as well as my own, I desire to express great appreciation to the Broadcasting Company for the admirable way that the station, 3YA, as well as other stations, operated during the recent flight of the Southern Cross from Sydney. People who, in the past, took only a passing interest in radio, were to be found in crowds, around the radio shops where loudspeakers were installed. Coming down Colombo Street towards midnight on the night of the flight, I thought there was an accident, but found the crowd was outside a radio shop listening to 3YA and 2YA. The splendid services during the flight period have brought forth praise from unexpected quarters, and I feel that I must congratulate the Broadcasting Company on its excellent achievement.—Arthur D. Ford (Christchurch).

A Good Word From the Press.

THE writer of the wireless notes in the "Lyttelton Times," "Proton," comments as follows on the part played by broadcasting in regard to the flight by the Southern Cross:—

The effectiveness of radio as a means of disseminating information was proved in a remarkable manner on Tuesday last. News of the commencement of the flight was much too late for the evening papers, and very little information as to its progress or the probable time of arrival appeared in the morning Press. Nevertheless, many thousands of people were assembled at Sockburn in time to greet the flyers, and for hours every road leading to the aerodrome was a streak of dust. Practically all this preparedness was due to the broadcasting of 3YA and 2YA. There were, of course, thousands of people who did not possess radio sets, but they seem to have been in touch

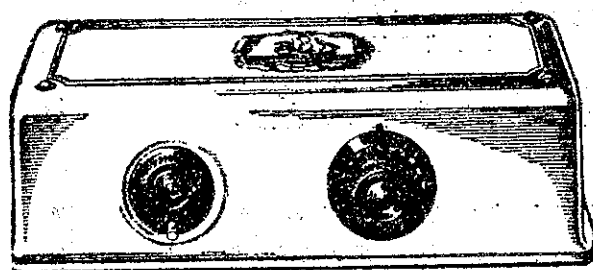
with B.C.L.'s somewhere. Beyond doubt many of them will now invest in sets of their own.

"Incidentally, the community owes a debt of gratitude to the members of the Broadcasting Company, who so effectively discharged their onerous duties during the night of the flight. 2YA and 3YA were continuously on the air all night, and every scrap of information that came to hand was promptly put on the air."

"Probably the very first news of the flight that reached New Zealand came through 2BL, Sydney. This station was heard to announce that the Southern Cross had left Richmond aerodrome and was circling over Sydney. Later it announced that the 'plane was heading east, and that the trans-Tasman flight had really begun. Within a few minutes a number of Sydney amateurs were frantically calling New Zealand to give warning of the commencement of the flight. Of course, New Zealand amateurs were under obligation to keep silence on the air, and so could not respond. But the confirmation of 2BL's broadcast was much appreciated."

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Auckland Notes

(By Listener.)

FOR 1YA the past few days have been exacting, but triumphant. All preparations were made to relay from the Aorangi a speech by Tom Heeney, but the fates decreed against this, for the mail liner berthed later than was anticipated, and listeners received from Princes Wharf only a description of her dropping anchor and a detail of the crowds assembled on the waterfront. It was perhaps fortunate, for interference on the relay line was most pronounced, and marred the fine account put over. It was greatly to the advantage of listeners that the remarks of the pugilist and his wife were made at the station, where transmission was ideal.

"OUR Tom" was brief, frank, and homely. There was an atmosphere of geniality that carried over the air, and conveyed the impression of spontaneity that makes a broadcast of this type just what it ought to be. Mrs. Heeney did not appear to suffer from microphone fright, though she spoke her piece with a rapidity char-

acteristic of the land of hustle. Twice during the proceedings the regulation regarding controversial matter was unwittingly broken, but honours were even for both sides of a contentious subject, and only quibblers would worry over the incident.

air as promptly as it was received: music and talks, judiciously interspersed, filled acceptably the long periods of suspense; and under adverse atmospheric conditions the southern stations were relayed in the early morning hours.

BUT the real triumph for 1YA came with the rebroadcast of the landing. It was a fine achievement that spoke volumes for the excellence of the plant and the capability of the staff. Statie was strongly in evidence, but it did not prevent Aucklanders from hearing the whole story, and many excuses for lateness at shop and office were received with a smile by unbelieving "heads." Crowds gathered round the doors of radio dealers, and each set had its quota of visitors. Near one licensee's home was a big factory. The licensee sent word to the employees that he would wave a white sheet from his window when the 'plane landed. The wave duly came, and the workers, many regretting that they were not listening at their own homes, greeted the signal with a cheer.

NOTHING could better demonstrate the efficiency and the service of our New Zealand stations than their performances throughout the Monday

First to Hear Southern Cross in Dominion.

THE first portion of New Zealand territory to be crossed by the Southern Cross was the county of Collingwood, in the extreme north of Nelson province, and it is interesting to learn that the aeroplane was in this locality at 6 a.m.—less than eleven hours after leaving Sydney.

The Broadcasting Company has received from a listener in this district a very interesting report, in the form of a log, recording all that was broadcast during the whole duration of the flight. The writer of the report is Mr. Frank James, a septuagenarian settler. An extract from his report reads:—

"6 a.m.—Aeroplane flew over my house. My sister, Mrs. H. Strange, and my nephew, Ralph Irons, near neighbours, also heard it.
6.40.—Given out by announcer that 'plane had sighted land at
6.30. Postmaster at Collingwood reported aeroplane."

Then follow the other reports from French Pass and as to flying over Wellington Harbour.

acteristic of the land of hustle. Twice during the proceedings the regulation regarding controversial matter was unwittingly broken, but honours were even for both sides of a contentious subject, and only quibblers would worry over the incident.

THERE was a late night on the Sunday at 1YA, and the staff, who had been on the qui vive for over a week, awaiting news of the commencement of the flight, were doubtless thankful that their weekly day of rest was to follow. There was no rest for them, however, for Kingsford Smith and his associates sprang a real surprise upon all radio people when they hopped off unexpectedly on Monday evening. 1YA was immediately on the air, and kept going for fully fifteen hours. It was a hard task that operators and announcers faced, but they tackled it cheerily, and performed it right well. "The finest performance to date" was the general verdict. During the whole night, through which thousands of enthusiasts sat sleepless, news of the 'plane was of the briefest. Then the reason of this was unknown, but now that it has been made plain we realise how much our local station did with the little material it had at its disposal. Information was put on the

night and the Tuesday morning. Carping critics were thoroughly silenced, and the Broadcasting Company earned heartfelt thanks for its splendid service.

NOW comes the news that we are to be entertained twice weekly by a small studio orchestra. In numbers it is not large, but its personnel is sufficient guarantee of its capabilities to satisfy all who move in musical circles. There will be a hearty welcome accorded to Mrs. Singer and her band of instrumentalists.

"The Maid of the Mountains" on Tuesday last. Verdict: "Excellent." General request: "More of a similar kind."

MR. G. Robertson, general manager in New Zealand for Amalgamated Wireless, Ltd., has received the following telegram from Messrs. Charles Bennett and Co., Christchurch distributors for the former company: "All radio equipment used at the Wigram Aerodrome in connection with the flight of the Southern Cross, was Radiola, including Radiola sets, Radiola speakers, and Radiola short-wave outfits."

Station Sidelights.

AT 1YA, a good deal of the credit for successfully rebroadcasting 3YA in daylight—a very meritorious achievement—is due to Mr. Mahoney and Mr. Hamblin, on behalf of Messrs. Bond and Bond, Ltd., whose six-valve set brought in the southern station excellently. The Auckland station has received high praise for the part it played in broadcasting the flight.

The Dunedin station gave an exceptional account of it-self. It followed the flight from the commencement, till the conclusion of the addresses by the two leaders at 3YA. The local radio inspector, Mr. F. J. O'Grady, took charge of the reception of the plane's messages, at his residence in Roslyn, on a screened-grid short-wave receiver, kindly lent by Mr. F. Barnett. The rebroadcast of 3YA preceding and dur-

ing the landing of the 'plane, was also conducted from Roslyn. Mr. O'Grady certainly upheld his reputation as an excellent operator.

During 3YA's long vigil, well over 100 records were broadcast.

At 2YA, valuable service was rendered by Mr. G. R. McCarthy, of Mack's Radio, to whom tribute was paid last week.

THE "Daily Mail" has provided a yacht with a powerful receiving set to patrol the shores of certain seasides. The loudspeaker can be heard half-a-mile to a mile away.

"It is my belief that all great music of the future will be broadcast, and the concert as we know it now will disappear," said Professor Aylmer Buesst, conductor of the British National Opera Company, in Melbourne, recently.

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Radio Amateurs

General Meeting.

The Racing Ban.

MR. BYRON BROWN, president, occupied the chair at a general meeting of the Amateur Radio Society of Wellington on Tuesday evening, September 11. About thirty members attended.

The following letter was received from the secretary of the New Zealand Racing Conference in response to a protest by the Hawke's Bay and Wellington Societies against the refusal of the racing clubs to permit broadcasting of running descriptions of the races:—

"I am in receipt of your letter of 31st ult., forwarding me letter dated July 3 last, addressed to me by the Hawke's Bay Radio Society relating to the decision of the New Zealand Racing Conference that the radio broadcasting of race meetings during the progress of the racing be prohibited and that such broadcasting form part of the evening's programme.

"As regards the grounds for your society's resolution asking the conference to reconsider its decision, I have to point out that the settlers in the country districts and the sick people in hospitals will not be inconvenienced in any way at all if the broadcasting of race meetings forms part of the evening's programme. In fact so far as the settlers in the country districts are concerned, it would be more convenient to them to be able to hear the broadcast of race meetings after their day's work is over instead of their valuable time being occupied by listening in during the day. It is no hardship to the sick people in hospitals to hear the broadcast during the evening, instead of during the afternoon, when they may have visitors calling to see them.

"It is noted that your society does not agree that the stoppage of the broadcast of a running description of a race will tend to eliminate or at least reduce illegal betting, but I have to draw your attention to the fact that the Commissioner of Police is reported to have had representations made to him on this very subject by his officers, and that he is averse to the broadcasting of news from courses as it tends to increase his difficulties in suppressing illegal betting.

"The Radio Broadcasting Co. of N.Z., Ltd., to which I presume the members of your society pay an annual li-

cense fee for the right to listen in to the items broadcast by the company, claims that the racing clubs have neither the right nor the power to restrict the company in its broadcast of the particulars of their meetings. It would be interesting to know whether your society supports the company in its view that racing clubs have no right or power to control particulars of their own entertainment during the progress thereof.

"The conference will not be holding its annual meeting until July, 1929, and if your society still desires it to reconsider its decision no doubt you will advise me again before the next meeting of the conference."—(Sgd.) H. R. Sellers, Secretary.

As certain statements embodied in the above letter required investigation the meeting decided to merely "receive" the letter.

The Tasman Flight.

The honorary secretary of the society (Mr. W. H. Taylor) reported that with the sanction of the president he had telegraphed Mr. T. H. McWilliams, radio operator of the aeroplane Southern Cross congratulations on his successful flight across the Tasman.

Amateur Transmitters.

Mr. J. Johnson, who came as a representative of the Wellington branch of the New Zealand Association of Amateur Transmitters, asked the society to consider a suggestion from his association to co-operate in overcoming interference from amateur transmission, howling valves, and power-line leakages. One member stated that he had suffered seriously from interference from a certain amateur transmitter, and on some nights had to close down completely. As a result of complaints, the said amateur transmitter had been ordered off the air by the P. and T. Department.

Speakers pointed out that the P. and T. Department had a new scheme for co-operating with members of the radio trade to combat trouble from power-line leakages. The society therefore should not make any agreement with other bodies in that respect, but the suggestion might form the basis of a general system of co-operation. Listeners, however, should not be asked to waive their right to complain to the P. and T. Department when they were experiencing interference from amateur transmitters. It was agreed, however, that Mr. Johnson be invited to attend the next meeting of the executive to go more fully into the matter.

It was resolved to invite Mr. T. H. McWilliams, radio operator of the Southern Cross, to attend a general meeting of the members to meet them

Flyers in Wellington.

2YA has treated listeners well in connection with the visit of the "flyers" to the Empire City. The whole of the proceedings on the arrival of the aviators were broadcast, all the speakers addressing the microphone, as well as the large crowd assembled.

The Civic Welcome in the Town Hall on Monday, was also put on the air in full, and enabled a vast number of those unable otherwise to hear the aviators, to "listen in."

Captain Kingsford-Smith has won all hearts by his charming personality and bright smile, and the experience of hearing his voice over the air has been welcome.

Just as Lindbergh in American aviation has won fame as the messenger of peace, so Kingsford-Smith is proving a wonderful ambassador in the development of goodwill between Australia and New Zealand. His bright smile and camaraderie are proving assets of no small value.

The children were given a very special treat on Monday evening by "Smithy" (as Captain Kingsford-Smith is becoming known), and Lieutenant Ulm, consenting to speak for a quarter of an hour from 2YA to the children. This was a wonderful experience to the little ones—and, needless to say, to many adults who listened in at the same time.

The Belle of New York.

On Saturday, September 22, the Auckland Amateur Operatic Society are presenting the "Belle of New York," in His Majesty's Theatre, and have kindly offered excerpts for broadcast. The time of the relay is as yet uncertain, but excerpts will be broadcast at intervals between 8 p.m. and 10 p.m.

and to give an address on the subject of the flight.

General.

The chairman extended a cordial welcome to Mr. F. W. Sellens, who was recently reappointed to fill a vacancy on the executive.

Mr. G. R. McCarthy gave an instructive and entertaining lecture on short-wave reception and radio apparatus. Mr. McCarthy contrived to impart a good deal of humour into his address, especially when detailing some of the frailties of listeners and defects in radio parts. Several questions were asked and answered. In conclusion, Mr. McCarthy remarked on the importance and interest of short-wave Morse work as compared with broadcast listening. A number, however, in defence of broadcast listening, pointed out that the public interest in broadcast listening completely overwhelmed interest in short-wave Morse work, not only in New Zealand, but throughout the world. In New Zealand, where there were only about 200 amateur transmitters, there were something like 37,000 broadcast listeners. The popularity of broadcast listening was still increasing in prodigious bounds throughout the world, and while great things had been accomplished in broadcasting still more wonderful things were in store.

The meeting terminated with a hearty vote of thanks to the lecturer.

£50 Gramophone.

Award Made by Committee.

A meeting of the 1YA Musical and Dramatic Committee was held at 1YA Studio on Friday, September 14.

The chairman, Mr. Karl Atkinson, welcomed the new delegates—Mrs. Nello Porter, Mr. J. W. Shaw and Mr. C. R. Straubel, who each indicated that their respective organisations were very glad of the opportunity of co-operating with the committee in the excellent work it was accomplishing.

Entries received in connection with the Mystery Night competition, which were dealt with at an informal meeting held on 7th. inst., were narrowed down to two and it was decided to recommend that the prize be awarded to Mr. Percy Sawyer, 2 Surrey Street, Grey Lynn. Two hundred and ninety-two entries were received, and of this number only one omitted to comply with the conditions of the competition.

A sub-committee was set up consisting of Messrs. McCallum, Montague, Hayden and Mrs. Porter, together with the chairman, to draw up details in connection with the proposed competition for a one-act play.

It was decided to defer the second Mystery Night Competition, originally arranged for September 26, to Wednesday, October 24. The chairman stated that it had been found impossible to complete the necessary details in time for the original date.

Mr. Straubel advised that the University students had arranged a debate with the Sydney University team for Friday, September 21, and it was decided to accept the students' offer with thanks.

Considerable discussion ensued in regard to the matter of artists failing to perform items as published on the programme, and the Committee felt that in view of the fact that artists knew what items would be required six weeks before the date of performance, there was no excuse for failure in this respect. It was finally decided to recommend to the Company that artists offending in this matter be debarred from performance on the night in question, and it was felt that action on these lines would soon correct what was really a breach of faith with listeners.

It was decided to meet again on Friday, October 12.

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1YA Salon Orchestra to Appear Tuesday.

THE 1YA Salon Orchestra, for which listeners have been looking with keen anticipation for some time, has now materialised, and an excellent initial combination of five performers has been engaged under the conductorship of Mrs. Dorothy Singer.

The first appearance of the Orchestra will be made on Tuesday next, when it will present a programme specially arranged to suit all tastes.

The personnel of the combination is Mrs. Singer, piano (conductor), Miss Ina Bosworth, violin lead, Miss Molly Wright, 'cello, Mr. Phil Mohr, cornet, and Mr. Victor Bedford, flute. Notes of the careers of the performers will appear next week.

Hawke's Bay Notes

CONGRATULATIONS from Hawke's Bay listeners to the Radio Broadcasting Company on its efforts to keep listeners posted with the progress of the Tasman flight. It was a great piece of work. Unfortunately static was received better up here than anything else, but that did not detract from the worthiness of the efforts of the company, and all radio fans must say a heartfelt "Thank you." It is efforts such as these which make radio worth while, and it is a pretty sure bet that the future will find an increased number of listeners.

2YA's re-broadcast of 3YA's description of the arrival of the Southern Cross was not a brilliant success, but most listeners managed to get enough of the re-broadcast to know what was happening.

RECEPTION conditions of late have not been wonderful, static having a big say, but as these notes are being penned (September 14), reception is well-nigh perfect. 2YA is coming through at its best, and if the transmission from that station was always as clear and as well modulated, there would be no kick coming.

THE Hawke's Bay Radio Society is now in the throes of excitement preparing for its big concert on Tuesday, the 25th, in aid of funds for the Hastings Hospital radio set. The concert is to be staged by the Hastings Orphans, the Maori girls from Hukare School and the boys from Te Aute College. It should be a great night. What a pity there is no station here to broadcast it, for the concert will be one of the most unique ever held in the Dominion.

The fund for the hospital set has not reached the century mark yet, but it is getting close and is now £96. The concert should very nearly double this. The latest donations include 15s. 3d. raised by the Boy Scouts at Havelock North, and it is gratifying to find these lads doing such a good deed.

IT is rumoured here that there will be no more boxing broadcasts from Auckland. If so, there will be a lot of disappointment in this community, for everyone likes tuning in to Auckland when there is a boxing contest on there. The announcer is worth going a long way to hear.

PLEASURE is expressed locally at the splendid manner in which the "Record" is now being produced. The new paper has improved it out of sight and all the matter it contains makes

good reading. The beginners' page will be welcomed, but the writer would suggest that if possible this should be even more elementary. What is wanted by most beginners is an insight into the working of their set and also an explanation of the various symbols. For instance, if a page could be given showing each component of a set, a pictorial diagram, and alongside a symbol as the component is represented in a circuit and then an explanation of the function of the component, it would prove very useful in giving beginners a knowledge of their sets.

Appeal to Diggers' Friend

THE following letter, bearing seventy-five signatures, has been forwarded to the Prime Minister, the Right Hon. J. G. Coates, by the inmates of the Sanatorium, Waipukurau:—

Dear Sir.—We, the undersigned inmates of the above hospital, urge you to use your influence with the Racing Conference in getting them to remove the embargo on the broadcasting of racing events.

In stopping this we have been deprived of the one form of enjoyment which appealed to all of us, and whilst it lasted enabled us to forget our troubles.

As the races were described we gave full play to our imagination, and the pleasure derived therefrom was such as to prompt us to beg of you as the Digger's Friend to have the good work carried on.

Debate Broadcast Feature from 1YA.

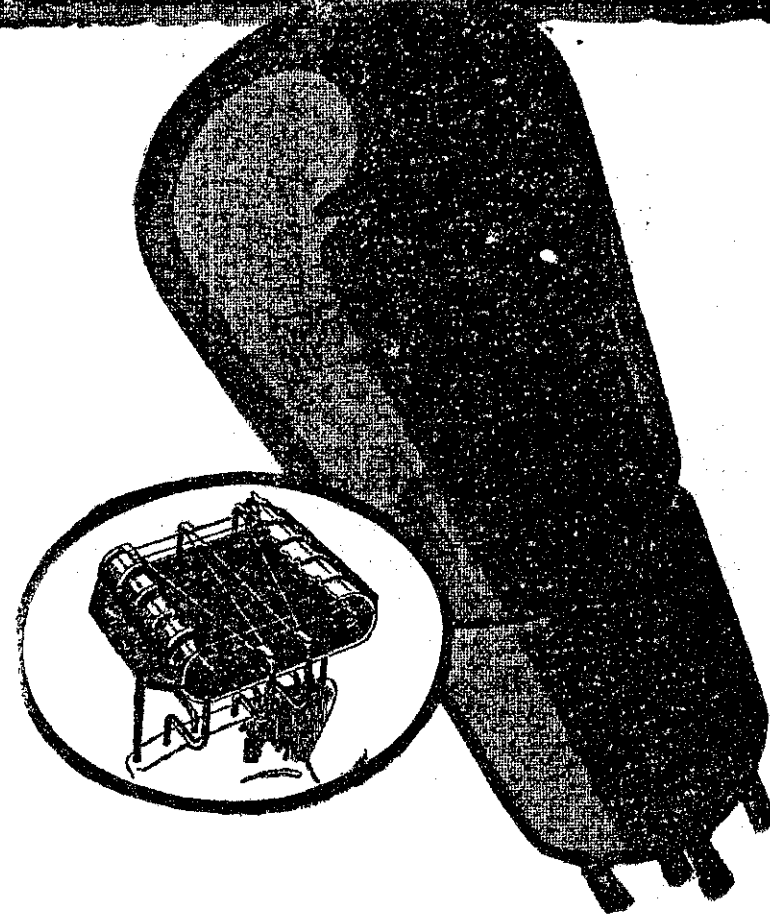
On Friday next, September 21, 1YA will relay the debate between teams representing the University of Sydney and the Auckland University College. The debate will be relayed from the University College Hall, and the subject will be of a semi-humorous nature "That the emergence of women from the home is a depressing feature of modern life."

The speakers for Sydney University will be Messrs. H. Godsall, W. S. Sheldon and N. O. Nelson, whilst the Auckland team will be Messrs. F. W. Simpson, J. N. Wilson, and A. K. Turner.

An excellent and humorous entertainment is promised and being something in the nature of a novelty for 1YA, will be eagerly anticipated by listeners. The debate commences at 8 p.m. and the Friday night programme will be somewhat modified in consequence.

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The Woman's Point of View By "Verity"

Annotations of Annabel

DEAREST:

After the storm, the calm. After frenzied excitement of greeting of groundlings to soaring heroes of the air, we sit back and assure each other that 'twas a famous victory, even as old Caspar said once upon a time in a widely different connection. Hero-worshippers by the score have sprung up in a night, which is all to the good in this materialistic age.

ONE is glad the gallant adventurer secured his missing mascot. In spite of high honour heaped upon him, he mourned his little black kitten, his one ewe lamb. It has a story one surmises, this emblem of priceless portent, but that is not our business; except that his eagerness to regain it reveals a human quality that we welcome in the intrepid voyager who, through lightning, hazard and bitter cold, scaled an uncharted empyrean.

MOST of us possess, have possessed, or one day will possess a mascot; some small precious thing with which we care not or dare not part, but which losing, like the woman of Holy Writ, we search the house, or belike the world over. For sometimes it happens that 'tis a spiritual luck-bringer which, through clumsy carelessness, or lack of vision, we lose for ever or throw away, and realising it is gone "for keeps" go the softlier, sadder for the rest of the days of our pilgrimage.

AS a people, Britishers thrill to the quality of courage, that golden thread linking together all sorts and conditions of men, and more to be desired than much fine gold, even the glow and glitter of tossed curls and eyes of youth. Great is Mary of the Movies, with her baby ringlets and semblance of the Prettiest Doll in the World; but greater still was Little Girl Gladys in the sheer grit she showed in holding down her job in the face of all odds. The American actress, Miss Bonstelle, tells this story in her entertaining chronicle of the ups and downs of a theatrical career.

Treacle Pudding.

MIX together thoroughly a quarter pound of flour, half a teaspoonful of ground ginger, a teaspoonful of brown sugar, a touch of salt, half a teaspoonful of carbonate of soda, and two ounces of chopped suet. Add half a teacupful each of milk and of treacle. Well butter and sprinkle with brown sugar a mould, and pop the mixture in it. Steam for about an hour and a half. A good sauce with this is: Two tablespoonfuls of brown sugar, mixed with the same amount of flour; stir this into a breakfastcupful of boiling water. Boil up for about a

ONE day her help was enlisted by a poor and plain Mrs. Smith, stranded, penniless, and handicapped—or otherwise—with three children. One child was a beauty to appeal to the hardest boiled stage hand. Blonde curls framed a face exquisite in contour, hazel eyes looked through every prejudice straight to the heart. The stage manager being persuaded to offer a child's part, the little blonde made a decided hit, but during rehearsal her face broke out in spots. Tossing her curls, furiously angry, stamping small foot, "I WON'T have measles! I'm far too old for measles," the child stormed, unwilling tears in the grey grey eyes. And though she had measles, she insisted, faint and feverish—brave little lass of eight—in playing her part well throughout a week, thus securing essential funds for her needy family. Some years later Miss Bonstelle received a letter from her plucky protégée, containing the following paragraph:

"Mr. Belasco has given me a part in 'The Warrens of Virginia.' He has also given me a new name. I like it, don't you? It is Mary Pickford."

Thus was the warm-hearted actress justified in spontaneous kindness to a child, and in successfully picking a winner.

WITH one other, an inveterate playgoer, I found myself last week at an unusual entertainment, and a charming one. Miss Elizabeth Blake, once of the Capital City, has returned to the land of her fathers, bearing her theatrical sheave with her. Having had wide experience in England of plays and players, she produced for the delectation of her audience four plays, of widely different scope, and all extremely intriguing after their fashion.

IN the quaint and didactic early English Interlude, Miss Blake, in the part of Charity, spoke lines of sooth and upbraiding with meek gentleness and austerity. Very sweet was Sister Humility, the others players also catching the spirit of the scene, although Mrs. Fawcett was at

quarter of an hour, then add the juice of a lemon, and lastly a tablespoonful of butter. Serve very hot.

A Tasty Dish.

THIS is a tasty dish, using a very small quantity of meat. Put 1 lb. of breadcrumbs in a basin, then pour a cupful of milk upon them, adding a dessertspoonful of curry powder, 1 minced apple, 4oz. cooked minced meat, salt, and a squeeze of lemon juice. Add one egg, beat mixture well together, turn into a greased pie-dish, place in a hot oven and allow it just to set.

times inaudible. We decided, however, that Charity was the pick of the mediaeval basket, her fragrant quality of goodness eliminating the rank and pestilential influences besetting the path of Youth, who finally gets another chance of redemption, just as he does now.

THE simplicity and sincerity of this small moral playlet of the past gave place to a gay, shallow dialogue by Mr. A. A. Milne, demanding necessarily light-handed treatment by the two cooped up together in a country cottage. Very sparkling is the repartee, leading up to a not unexpected denouement in Mr. Milne's witty trifle; and Miss Blake and Mr. J. H. Lee, as He and She, the protagonists of the play, proved entirely successful and charming.

IN "Cathleen ni Houlihan," before our eyes lived Peter Gillane and the rest in their poor cabin in the Distressful Country of Mr. Yeats' imagination. The spirit of the play, elusive and fatally easy to miss, was captured, and the curtain went down to a sign and a dream for Ireland. Mr. Byrne's voice and accent were convincing, and Mrs. Hannah, breathing the tragedy of years of lost endeavour, acted with knowledge and restraint. Michael was good, so was Patrick; and the small part of the girl forsaken by her lover was played with freshness and magnetism by Miss von Zedlitz.

A SCOTTISH scene closed the programme, in which Mr. J. E. Nicholls was delicious as an immaculate dusty miller, his red head crowned with that most droll of head coverings, a tam-o'-shanter. His endeavours to propose were mirth-provoking in the extreme, his acting with Kirsty (played to the life by Mrs. Marjorie Hannah) being a triumph a deux.

MISS BLAKE introduced each play in a few phrases of admirable brevity and lucidity, spoken with a quality of tone, an intonation and diction that were a delight. Particularly to the young of the Dominion I commend her appreciation of the beauty of words and their enunciation; and to those who aspire to successful broadcasting or to tread a triumphant theatrical trail.

Your
ANNABEL LEE.

Hidden Treasure.

TAKE a large potato, wash it thoroughly, but do not peel. Bake it till it is almost cooked, then cut off the end, scoop out part of the inside, and break an egg into the hole thus made. Put on the end again and replace the potato in a quick oven for five minutes. This makes an excellent supper dish.

A Tongue Tip.

After boiling a tongue, cut it lengthwise, and place the outsides of the tongue to the inside before pressing. The tongue cuts much more easily, and not a bit is wasted, as it cuts well to the last slice.

Brightening the Kitchen

COLOURED enamel ware is used by many housewives to brighten the kitchen scheme. Saucepans and cake-tins are now made in such unusual shades as deep plum, yellow and purple to match containers for groceries, jugs, and basins. They certainly give a cheerful air to the darkest basement. The kitchen teapots of coloured enamel, with vivid figures painted on the sides, are an improvement on the earthenware variety, which usually have the spout chipped untidily by some careless domestic, and they are attractive enough to be welcomed by the staff. A good deal can be done to lighten a dark kitchen by a careful choice of paint and colours for utensils, and the old idea that everything for the kitchen should be white is quite out of date.

April Magic.

(By Mathys Ross.)

Golden April walks the wood,
Clad in cloth of pale green mist;
Stars of blue and yellow gleam
From every clod her feet have
kissed.

With gentle finger-tips she strokes
The willow branches smooth and
dark;

And soft grey catkins, silver furred,
Come out and sit along the bark.

She smiles and gay anemones
Lift up their heads and wink their
eyes;

And johnny-jump-ups laughingly
Reflect the blueness of her skies.

Golden April walks the wood;
A mistress she of magic art
To waken dead or sleeping things.
She works her magic in my heart.

Streaky Stockings.

"Nude" stockings are gradually giving way to the more subtle shades of beige and grey. But these stockings, which start by being so lovely, are sadly apt to acquire a streakiness of colour that is anything but attractive.

Hard water is the commonest cause of this catastrophe, as many people have seen by the difference between stockings that have been washed in rain water or in a soft water district and those that have been washed in the hard water we have in many other parts. The addition of borax to the washing and rinsing water will do a great deal towards keeping silk stockings the shade they should be.

The Woman's Point of View

Hints That Help.

Brighter Shoes.

Shoes frequently cannot be polished because the polish has previously been brushed on over dried mud, or sometimes two different polishes have been used for the shoes. Excess of polish and dried mud can be removed by rubbing with milk, on a soft rag. This is the best method of removing any mud that cannot be brushed off. The milk does not injure the leather, as water does. Washing shoes with water hardens the leather and often makes the surface peel off very easily.

For Those Disliking Oil.

Many people have an abhorrence of oil. Here is a salad dressing from which it is absent. Put half a teaspoonful of dry mustard and a level tablespoonful of white sugar in a teacup. Mix with vinegar until cup is one-third full; then fill up gradually with milk. It keeps quite well in a salad-dressing bottle. When needed for use shake well, pour the needed quantity into a cup and stir in a spoonful or two of cream. The proportions can be varied according to taste.

Jam-Making Don'ts.

Don't use bruised unripe or over-ripe fruit, don't use fruit picked on a wet day, don't insufficiently boil the jam, don't cover it with unairtight covers, don't store it in a damp or too warm place. If through any of these causes jam has gone mouldy, the remedy is to remove mould, reboil jam, repot it in clean dry pots, and re-cover it. If the jam ferments, open pots, remove mildew, reboil jam with a little more sugar, remove scum. Reboil until jam has reduced by one-quarter. Put into clean, dry jars and re-cover.

To Toughen Glass.

New glass should never be used until treated so that it is rendered as far as possible unbreakable. To ensure this, place tumblers, etc., in a large pan, pack round with hay, then fill with cold water. Add a handful of salt, and place the pan on the fire. Bring slowly

to the boiling point. Then remove from fire, and stand till cold before removing the glass.

Invisible Mending.

A three-cornered tear in a frock can be mended by placing the frock flat on a table wrong side up and smearing the white of a raw egg evenly round and over the tear. Then cut a piece of linen a little larger than the tear and place it neatly over the rent so that it adheres to the white of the egg. Press with a hot iron. The patch will not come off even with washing, and the tear is not visible on the right side.

The Useful Lemon.

In boiling fish, add lemon juice to the water; this helps to keep it whole and thus preserves the flavour and nutriment. Incidentally, a few drops

Remembrance.

*I will not shed for you a single tear;
Nor shall, from any word of
mine, be guessed
My grief. Though deemed un-
mindful by the rest,
What matter? You will under-
stand, my dear.
For you, who had in life such
shrinking fear
Of hurt you could not heal, be-
fitted best
Remembrance silent and unmani-
fest,
Affronting not death's dignity
austere.*

*But every beauty you were wont to
praise—
New leaf and blossom, woodland
pathway, field
Of daffodils, the stave the black-
bird sings—
Holds in its heart a thought of you
concealed;
And bitter-sweet it is to spend
my days
Remembering you in lovely quiet
things.*

—R. H.

of lemon juice in the water in which old potatoes are cooking will keep them from discolouring, or a few drops in the food chopper before grinding sticky fruits, such as figs, raisins, or dates, will make the grinder easier to clean, and keep the food from sticking to the utensil.

Books

BROTHER SAUL

(Donn Byrne.)

INTEREST in the novels of Donn Byrne, since the news came of his lamentable death in a motor accident, has received that impetus which seems inseparably connected with the work of man whose life on earth has come to an untimely close.

The brilliant, glancing mind of the Irish author is shown perhaps at its greatest in "Hangman's House"; but in the book under review the literary style is beyond cavil and the interest unflagging. Many strange peoples throng the crowded stage, there is magnificent word-painting, the amours and conflicts of ancient pagan races are set forth with verisimilitude and consummate art. The story centres around the life of Saul of Tarsus, that towering protagonist who did not suffer fools gladly, but through great tribulation came to a knowledge and tolerance of the erring human heart of the world. With biographical forcefulness and truth are depicted the selflessness of the Apostle, his unflinching heroism and martyred progress; and there is much noble writing concerning the gentle Galilean for whom His disciples suffered and were strong. Humanity, it would appear, in some broad aspects does not vary greatly down the centuries; in its loves and hates, warring and tumult, thrusting for place and power; which is arrestingly illustrated in this tale of a by-gone civilisation, which vies in thrill and zest with the most modern novel of them all.

"Where the great conquerors or the great conquered pass, there will always be women's hearts and bodies to pave the road." And many women helped

and hindered in the great crusade. Anne, daughter of Caiaphas, in her steely loveliness and inhumanity; Nossis, tenderly pathetic girl-wife; slim, virginal Thekla, the Greek; noble-hearted Lydia.

Allied with the enthralling interest of the Biblical story from the human and historical points of view, the majestic visualisation of a pagan era and slow dawning of Christianity, there are passages of literary beauty which haunt ear and memory; bearing one along, as in Swinburne's loveliest lines, on a wave of exquisite rhythm. Open the book at random—

"... the islands that had names sharp and clean as spearheads. Isles past which he would one day adventure. Red-hearted Crete; Samothrace, prowed like a ship; the rock-like Sparta; Samos; Chios, of the resin-flavoured wine; Paros, the pearl-string of the Cyclades; Euboea, alive with violets; Attica, its golden army of flower-conquering bees; Andros, white with narcissus; Impros, Tinos, Delos, their harsh cleanliness a background for red-hulked, great-beaked ships that slid past them, quiet as gulls. Salt air, white hyacinth, good coarse sand. Ah, Samothrace! Ah, Euboea!"

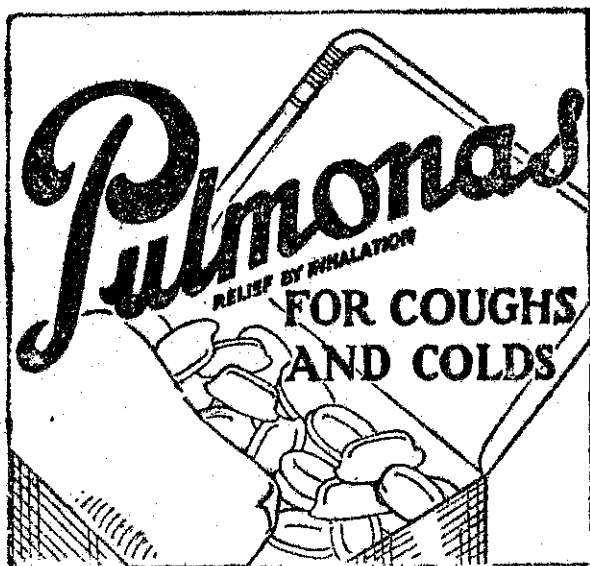
Only words, it may be; but who willingly would miss that rhapsody of vision? Alas, that such a writer of English prose so early should leave the world.—R.U.R.

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Features of Next Week's Programmes

1YA Notes.

JENNY LIND, as the vivacious vivandiere (the camp cook), made Donizetti's opera, "The Daughter of the Regiment," very popular when it was first produced in London. It is a brilliant work. At 1YA on Tuesday it will be produced for radio under the direction of Madame Irene Ainsley. Miss Nancye Hanna will be Marie, and the roles of the other characters, Tonio and Sulpizio, will be taken by Mr. Robert Peter and Mr. Walter Brough.

IN the supporting miscellaneous programme, Madame Irene Ainsley will sing "Break, Break, Break," and "Spinning." Interspersing the other vocal items will be gramophone records of instrumental selections, electrically reproduced.

"THE Settlement of Auckland" will be Mr. A. B. Chappell's subject for Tuesday evening's talk on "Old New Zealand."

A LONG and interesting programme has been arranged for Wednesday evening. In all, there will be 36 items, a number of them being specially selected gramophone records, vocal as well as instrumental. The vocalists for the evening will be Madame Mary Towsey, Miss Ina Schollum, Mr. J. Simpson, and Mr. John Bree. Solos, duets and quartets will be sung. A feature of the entertainment will be the elocutionary items to be given by Mr. J. F. Montague. Ingall's Hawaiian Orchestra has also been engaged.

ON Thursday evening the "Minister Quartet" will be heard on the air, this being their first appearance before the microphone. Another new performer will be Miss Sophie Vivian, who will present musical monologues. On the instrumental side of the programme will be the Auckland Trio, and Mr. L. McLachlan, who will render xylophone numbers, one of which will be "The Repaz Band" (Sweeley).

A NEW singer to 1YA is Mr. Lambert Harvey, who has recently arrived from England, where he had considerable experience in wireless with the British Broadcasting Company, having frequently sung with concert parties and in solo roles at 5NO. He is a member of Mr. Barry Coney's Quartet, who will be the main contributors to Friday's programme. They will be heard in a number of quartets, duets, and solos, including "The Prologue" from "Pagliacci," and "La Donna e mobile," from "Rigoletto."

THE "Hebrew Two" will contribute to the humorous side of the programme, giving a short sketch, "Buying a Bungalow," while Messrs. T. Harris and J. Mackle will present a scene from "The Merchant of Venice"—"Shylock and Tubal" (Shakespeare).

ON Saturday evening the principal contributors to the programme will be the Lyric Quartet, who will give a variety of concerted and solo items, and will include among the quartet numbers, "Kentucky Babe." Mr. Alan McElwain will contribute humour to

the programme, "The Dorg 'Ospital" being one of his items. Dance music will be relayed from the Masonic Hall by the "Collegians," under Mr. Edgar Bendall.

Points for 2YA.

ON Sunday, September 23, following the broadcast of the evening service from the Vivian Street Baptist Church, Station 2YA will relay from His Majesty's Theatre the final recital of the season of the Wellington Municipal Tramways Band.

Another broadcast relay of exceptional interest for which 2YA will be responsible will be the Dominion Day celebrations of the Early Settlers and Historical Associations, which will be relayed from the Early Settlers' Hall on the afternoon of Monday, 24th inst.

INTERESTING composers, some of whose works will be presented by the Ariel Singers at 2YA next Monday, are Mendelssohn, Vaughan Williams, and Walford Davies. Other popular numbers include Stephen Glover's old duet, "I Heard a Voice in the Tranquil Night," and Hugh Robertson's beautiful quartet arrangement of "Ay Waukin O." Associated with the Ariel Singers will be Mr. Stanley Warwick (elocutionist), Mr. John Prouse (baritone) and Miss Vera Tolan (pianiste).

ON Tuesday, September 25, the members of the Orpheus Quartet are presenting some interesting and popular numbers, including "The Waltz Song" (from "Romeo and Juliet") to be sung by Mrs. Alice Harris, who will also sing with Mr. Arthur Coe "Maying." The latter's solo is "A Farewell," "Will He Come" and "The Willow Song" will be given by Miss Lily Mackie, while Mr. Len Barnes has chosen three songs by Frederick Keel, the composer of so many of Masefield's fine poems. The Orpheus Quartet will be singing "Hunting Chorus" (from "Dorothy") and "Comrades in Arms." Mr. Billy Hart will entertain with songs at the piano, and the evening's entertainment will include a Columbia Kolster gramophone recital, presenting some of the latest releases.

IN presenting their programme for Thursday, September 27, the Mellow Fellows have selected items some of which have not yet been heard from 2YA. "My Blue Ridge Mountain Home" is one of the newest dance melodies, and will be sung as a concerted number in harmony by "The Four Fellows." It is one of the best of recent additions to this field of music, and will undoubtedly become very popular.

"LONG ago in Alcala" is a song well known to a comparatively small number, and it is not sung as often as it deserves to be. "Don't Forget the Old Folk" and "Harvest" are offered by the Baritone Fellow and will prove to listeners' taste. The dialect stories and humour supplied by the "Versatile" member of the Fellows will be up to his usual high standard and the concluding quartette, "The Village Pump" will allow our audience to go to bed at peace with everything. Miss Violet Wilson, a clever elocutionist, will present humorous items. The music for the evening will be provided by the Central Mission Band.

On the conclusion of the news session at 7.40 p.m. on Thursday, Mr. Ashton Edwards will give another of his interesting and instructive talks to motorists.

BY request, the Etude Quartet are singing, "My Blue Heaven" on Friday, September 28, and also "Chant a Nuptial Song" from "The Legend of Nerbudda." This is the chorus song celebrating the coming wedding of Nerbudda and Sone. Miss Gretta Stark and Mr. Frank Skinner are repeating by request "The Blue Room" from "The Girl Friend." "The Manly Heart," a duet for soprano and baritone, by Mozart, will also be given. Mr. Ray Kemp is singing two little Irish songs and Miss Rita Arnold's numbers are "To You" and "Lift Your Eyes." Mr. Frank Skinner is singing Godard's beautiful song, "Angels Guard Thee," Miss Gretta Stark has chosen "The Second Minuet" (in which a child tells how Grandpapa met and kissed Grandmama), and also "Had You But Known" by Denza.

On Friday Mr. Doug. Stark will be heard in a further selection of his always popular humorous items. At the piano, Miss Agnes Wright will play "Danse d'Olaf." As a special literary interlude, the Rev. Clarence Eaton will deliver a lecturette on "The Wit and Wisdom of Oliver Wendell Holmes."

LISTENERS in on Saturday will hear some very excellent numbers which will be provided by the ever popular Melodie Four. In response to numerous requests, "Timbuctoo" will be repeated. On a previous occasion this item proved immensely popular. Certainly it shows the quartette in happy vein. "Mary," a four voice arrangement of the well-known song "Eileen Allanah" and "Laughing" will be sung. The solos to be sung include "Anchored," "Good Morning, Brother Sunshine," "Stone Cracker John" and "I'll Sing Thee Songs of Araby."

Mr. Leo Titchener is scheduled to provide the humorous element on Saturday.

At 7.40 p.m. on Saturday on the conclusion of the New Session, Mr. W. M. Dawson, under the auspices of the Wellington Radio Society, will deliver an instructive lecturette on the subject of "Valves."

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ART-LITE STUDIOS
(Chas. M. Brown),
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(Above the Ritz).

A STUDIO concert will be broadcast from 2YA on the evening of Sunday, August 30, following the church service. The programme will be provided by the Melodie Four—Mr. Norman Izett (pianist), Miss Gwen Stopped (monologues), and Miss Lyla Hill and Mr. W. Smallbone (cello duets).

3YA Features.

WHO knows "The Sweetest Story Ever Told?" It is a song unknown to the present generation. It is a very old song which enjoyed great popularity some generations ago, and is now about to enjoy another vogue. It is at present all the rage in America. This song will be one of those sung by Mr. John Worgan at 3YA on Monday. Other vocalists on that occasion will be Misses Frances Hamerton and Belle Renaut. Harry Lauder songs will be sung by Mr. Jock Lochhart. The band engaged for the evening is the Christchurch Municipal Band under Mr. A. J. Schnack.

THE vocal music of "The Maid of the Mountains," by Fraser Simson, will be presented on Wednesday evening by the Radiolian Quartet. This production should be as enjoyable as have been previous musical plays staged at 3YA by the Radiolians. There are many excellent solos and choruses in "The Maid of the Mountains." Selections from the opera will be played by the Black Diamond's Band (electrically reproduced).

Supporting "The Maid of the Mountains," a miscellaneous concert will be presented, the artists performing being the Studio Trio, Miss Warren, and Mr. Hiram Dunford. Two of Mr. Dunford's items will be from the works of Mr. Will Lawson, the New Zealand writer, and will be philosophical as well as humorous.

"In a Persian Garden" is to be presented by Madame Gower Burns and her quartet on Thursday evening. This will be the second time that this famous song cycle will have been heard from 3YA, and such a wonderful production was it on the previous occasion, no one who heard it then will miss hearing it again. When Madame produced it last, very high praise was showered on her party. Since then the personnel of her quartet has changed, Mrs. Ann Harper and Mr. Clive Hindle having taken the places of Miss Jessie King and Mr. Bernard Rennell, who were previously associated with Madame Gower Burns and Mr. Harold Prescott. The presentation of "In a Persian Garden" will again be an artistic treat.

A MISCELLANEOUS programme will follow "In a Persian Garden." The vocalists of the quartette will contribute, also Messrs. R. Ohlson and A. Benson (cornetists) and Mr. R. R. Wills (elocutionist). Mr. Wills will give Newbolt's "The Guides at Kabul" and Kipling's "The Ballad of the Boli-val." There will also be two flute solos by John Amadio (electrically reproduced).

AN entertainment of the popular type—a miscellaneous programme followed by a dance session is scheduled for Friday evening. The vocalists will be Miss Eileen Irwin, who has a splen-

did contralto voice, Mr. Russell Sumner and Mr. T. D. Williams. One of Miss Irwin's songs will be "By the Waters of Minnetonka." Mr. Russell Sumner is singing two songs by Schumann. Duets by the Yeoman Duo include "Soldiers and Sailors" and the "Crucifix."

CONSIDERABLE interest will attach to one of Mr. T. D. Williams's songs, "The Raft," a very thrilling song descriptive of being adrift on the ocean. Among the recitations to be given by Miss Winifred Smith will be found a specimen of the works of Mrs. Hemans, Bret Harte and Hastings.

The dance music for Friday evening will be supplied by the Williams Dance Band will continue till 11 o'clock. Introduced into the programme will be some gramophone music (electrically reproduced.)

MR. CHAS. LAWRENCE will contribute largely to the radio vaudeville on Saturday evening. As a soloist he will sing "The Bandolero," and can be relied upon to treat the song in his picturesque way. Mr. Lawrence will also lead the Peerless Entertainers, who will delight listeners with two fifteen minute entertainments. The Peerless combination has appeared at 3YA before, so listeners will look forward to Saturday, September 29, with pleasurable anticipation.

Another soloist on Saturday evening will be Mrs. Moana Lawrence, soprano.

On Saturday night the Studio Orchestra, under Mr. Harold Beck, will appear again in a well-selected programme, and Mr. Les Grummitt, pianist, will coax and chase the ivories for some minutes. Mr. Grummitt is brilliant in improvising.

CONTRALTO solos, which will be electrically reproduced, are by Miss Ethel Hook, a sister of Dame Clara Butt. Other gramophone records will comprise novelty turns.

4YA Notes

THE divine service from Saint Paul's Cathedral will be relayed on Sunday evening. The sermon will be preached by the Rev. Canon Nevill. Preceding the service, Mr. E. Heywood, F.R.C.O., will present a short organ recital, which should be interesting, for Mr. Heywood makes a point of selecting the more popular works from the older composers, and performing them with due regard to the microphone.

THE St. Kilda Band, under the baton of Mr. James Dixon, has arranged a fine programme for Tuesday's concert, and leading talent has been engaged for the studio items. The band music will be of diverse types, ranging from light numbers to classical works. Perhaps the most welcome items to Dunedin listeners will be the Scottish selection "Scotia" (Seddon), which displays the breath of heather in every bar. A bright and popular selection is Bourne's "Minstrel Melodies," recalling many of the old time negro songs. Mr. L. E. Dalley (tenor) has chosen a group of short ballads by the modern American composer, Kussner. Mrs. D. Carty will sing Jackson's "Dear Little Shamrock." Among Mr. Bert Rawlinson's numbers will be the popular baritone song, "The Floral Dance." Miss Anita Winkel is a clever elocutioniste, particularly in

character numbers, and her reciting of Witty's "Little Mary Fawcett" is worth watching for. The immortal Mark Twain's works enter into Tuesday's programme, when Mr. Lester Moller will recite "Punch, Brothers, Punch."

ANOTHER "happy" programme will be heard from Dunedin on Wednesday night. Mr. Chris. Harlie, the Lancashire comedian, will invite all to "Tell Her I Stutter," and will entertain with other really funny songs and patter. Mr. Buster Brown will again appear before the microphone, delighting young and old with his clever Scottish songs and stories. "The Wedding of Lauchie McGraw" and "It's Just Like Being at Home" will be among his contributions. Miss Betty Roberts (lyric soprano) will sing two numbers, one of which will be "Caring for the Rose," by David Sharp, the Dunedin composer. Three popular hits will be sung by Miss Thelma Blackman. The Dunedin Banjo Trio is also on Wednesday's programme with some popular fox-trot songs which are certain to meet with general approval. The "Turkish Towel Rag" will be played on the saxophone by Mr. J. McCaw. Mr. E. Heaney, with his piano-accompaniment, will present some favourite numbers, including "Auld Robin Gray," and some reels. Humorous sketches will be given by Miss Sheila Neilson and Mr. J. B. McConnell.

A GOOD programme has been arranged for Friday night. The vocalists will be Miss Molly Vickers (mezzo-soprano), and Mr. L. M. Cachemaille (baritone); Miss Madge Yates (champion elocutioniste of New Zealand) will contribute recitals. Mr. George Christie will play on his cornet a selection from "Il Trovatore," and Mrs. Ernest Drake (studio pianiste) will render Debussy's "Reflections in the Water." Dance music from the Savoy will be relayed at the conclusion of the studio concert.

SATURDAY'S programme will be of a bright character, for the 4YA Harmonists are going to present the vocal numbers from Paul Ruben's musical comedy, "To-night's the Night." This is packed with captivating melodies which largely accounted for its tremendous success on the stage. Miss Roma Buss (soprano) will sing "I'd Like to Bring My Mother" and "The Early Morning," and also duets

Hospital Radio.

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and quartets with the Harmonists. Miss Mollie Andrews (mezzo-soprano) will be heard in "Too Particular," "Boots and Shoes," and other songs. Mr. F. M. Tuohy and chorus will sing the pretty waltz song, "The Old Way." Mr. Chas. Scott will be heard in numerous numbers, including "Any Old Night." An interesting selection of instrumental and elocutionary items will be performed between the acts of "To-night's the Night," and at its conclusion.

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Sunday, September 23

1YA AUCKLAND (333 METRES), SUNDAY, SEPTEMBER 23.

- 3.0 p.m.: Afternoon session—selected studio items.
4.0: Literary selection by the Announcer.
4.8: Further studio items.
4.30: Close down.
6.0: Children's song service, conducted by Uncle Leo, assisted by Cousins from Beresford Street Sunday School.
6.55: Relay of service from Prince Edward Theatre by Beresford Street Congregational Church. Preacher: Rev. Lionel Fletcher. Choirmaster: Mr. William Gemmell.
8.30: Relay of Municipal Organ Recital by Mr. Maughan Barnett.
9.30: God Save the King.

2YA WELLINGTON (420 METRES), SUNDAY, SEPTEMBER 23.

- 3 p.m. to 4.30 p.m.: Afternoon concert session.
4.30: Close down.
6.0: Children's song service, conducted by Uncle Ernest, assisted by Church of Christ Sunday School Choir.
7.0: Relay of evening service from Vivian Street Baptist Church. Preacher: Rev. F. E. Harry. Organist: Mr. Chas. Collins. Choirmaster: Mr. J. R. Samson.
8.15 (approx.): Relay of band recital of Wellington Municipal Tramways Band from His Majesty's Theatre, under the conductorship of Mr. T. Goodall.
Close down.

3YA CHRISTCHURCH (306 METRES), SUNDAY, SEPTEMBER 23.

- 3.0 p.m.: Gramophone recital.
4.30: Close down.
5.30: Children's song service, conducted by Uncle David.
6.30 to 7.0: Special chimes of the Bells of St. Barnabas Anglican Church, Fendalton, by Bellringer, Mr. Claydon.
7.0: Relay of evening service from St. Barnabas Anglican Church, Fendalton. Preacher: Rev. H. S. Leach. Organist and choirmaster: Mr. Alfred J. Merton.
8.15: Gramophone recital.
9.30: Close down.

4YA DUNEDIN (463 METRES), SUNDAY, SEPTEMBER 23.

- 5.30 p.m.: Children's Song Service, conducted by Big Brother Bill. Assisted by scholars from the Central Mission Sunday School.

- 6.15: Relay of organ recital by Mr. E. Heywood, F.R.C.O.
6.30: Relay of evening service from St. Paul's Cathedral. Preacher: Rev. Canon Nevill. Organist: Mr. E. Heywood, F.R.C.O.
8.0: Studio concert.
9.15: Close down.

Monday, September 24

1YA, AUCKLAND (333 METRES)—MONDAY, SEPTEMBER 24. SILENT DAY.

2YA, WELLINGTON (420 METRES)—MONDAY, SEPTEMBER 24.

- 3.0: Chimes of the G.P.O. clock.
3.1: Relay of Dominion Day celebrations of the Wellington Early Settlers' Association from Early Settlers' Hall, Abel Smith Street.
6.0: Children's session, conducted by Aunt Gwen and Uncle Jeff, and Uncle Tom of 1YA, assisted by pupils of Queen Margaret College.
7.0: News session, market reports and sports results.
8.0: Chimes of the G.P.O. clock.
8.1: Overture—The Orchestra, (a) "Tzigane" (Lacombe); (b) "Dorn-Roschin" (Tschaiakowsky).
8.9: Bass solo—Mr. J. M. Caldwell, "Bois Epais" (Lully).
8.12: Vocal duet—Misses J. Briggs and N. Coster, "I Heard a Voice in the Tranquil Night" (Glover).
8.16: Instrumental—The Orchestra, "Oxford Symphony" (Haydn).
8.24: Baritone solos—Mr. John Prouse, (a) "Now Heaven in Fullest Glory Shone" (from "Creation"), (Haydn); (b) "Two Grenadiers" (Schumann); (c) "I Cannot Help Loving Thee" (Johns).
8.28: Cello solo—Pablo Cassals, "Melodies from Tannhauser" (Wagner), H.M.V. record DB1012.
8.40: Recital—Mr. A. Stanley Warwick, "The Man From Eldorado" (Service).
8.50: Instrumental—The Orchestra, request number.
8.58: Tenor solo—Mr. Roy Hill, "All Souls Day" (Lassen).
9.2: Weather forecast.
9.4: Chorus, (a) "Here We Are At the Risk of Our Lives"; (b) "Dance a Cachuca" (from "The Gondoliers"), (Sullivan). H.M.V. record, D1343.
9.8: Mezzo-contralto solos—Miss Ngaire Coster, (a) "Swing Low, Sweet Chariot" (Negro Spiritual); (b) "The Star" (Rogers).
9.14: Instrumental—The Orchestra, (a) "Adagio Religioso" (Bohm); (b) "Ball Scene" (Drdla).
9.24: Soprano solo—Miss Jeanette Briggs, L.A.B., "Zulieka" (Mendelssohn).
9.28: Pianoforte solo—Miss Vera Tolan, "Nocturne Op. 27" (Chopin).
9.36: Recital—Mr. A. Stanley Warwick, "The Game of Life" (Andrews).
9.41: Vocal quartet—Ariel Singers, "Ay Waukin O" (traditional).
9.44: Tenor solo—Mr. Roy Hill, "Linden Lea" (Vaughan Williams).
9.47: Wurlitzer organ solo—Reginald Foort, "Ballet Egyptien" (Luigini), H.M.V. record B2479.
9.55: Bass solo—Mr. J. M. Caldwell, "I Love the Jocund Dance" (Walford Davies).
9.58: Ballet suite—Orchestra, "Ballet Music from Faust" (Gounod).
God Save the King.

3YA, CHRISTCHURCH (306 METRES)—MONDAY, SEPTEMBER 24.

- 3 p.m.: Afternoon session—Selected studio items.
4.30: Close down.
6.0: Children's session, conducted by Scatterjoy—"Through the Streets of Londontown," Scatterjoy; street calls and songs by Cousins Ivor and Joan; songs, "Come to the Fair" and "Cockles and Mussels"; birthday greetings and best writer's verse; stories for little and big children. Scatterjoy; closing song, "The Land of Nod," Cousin Kathleen.
7.15: News session.
7.30: Talk on "Esperanto" by Mr. Lincoln Efford.
8.0: Chimes.
Programme by Christchurch Municipal Band, under the conductorship of Mr. A. J. Schnack, assisted by 3YA artists.
8.1: March—Band, "Colonel Bogey" (Alford).
8.9: Baritone solo—Mr. John Worgan, "Once in the Long Twilight" (Horn).
8.13: Vocal duets—The Dolce Duo, (a) "The Streamlet's Slumber Song" (Deluis); (b) "Dream Pedlary" (Gibbs).
8.17: Soprano solo—Miss Frances Hamerton, "O Sleep. Why Dost Thou Leave Me?" (Handel).
8.21: Selection—Band, "H.M.S. Pinafore" (Sullivan).
8.31: Scottish humour, in song—Mr. Jock Lockhart, "It's Nice to Get Up in the Morning" (Lander).

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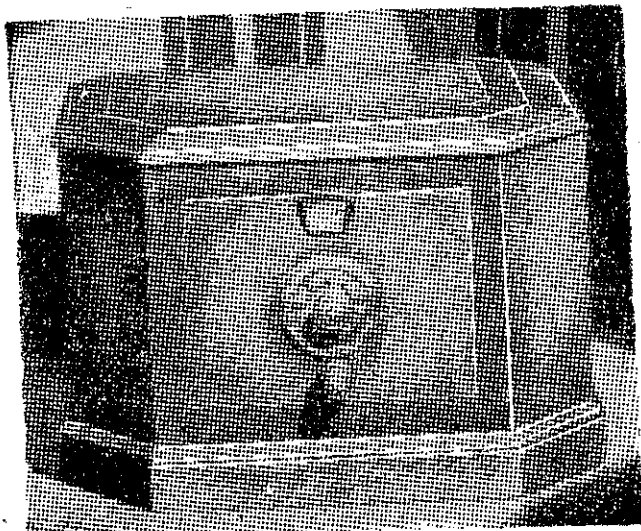
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3YA, CHRISTCHURCH (306 METRES), TUESDAY, SEPTEMBER 25.

SILENT DAY.

4YA, DUNEDIN (463 METRES), TUESDAY, SEPTEMBER 25.

- 3 p.m.: Town Hall chimes.
 3.1: Selected gramophone items.
 4.0: An address on "Art Needlework" by Miss Marguerite Pnuehgud (under the auspices of King Edward Technical College).
 4.15: Gramophone items.
 4.25: Sports results.
 4.30: Close down.
 6.0: Town Hall chimes.
 6.1: Children's session, conducted by Big Brother Bill: "Happy Folks' Anthem"; Greetings, riddles and jokes; mouth organ selections by Mr. W. Morgan; Storytime for the Chickabiddies; mouth organ selection: "Colonel Bogey March" (Alford); Birthdays, the Radio Postie and letters; mouth organ selection: "Old Time Melodies"; Storytime for the older children. National Anthem.
 7.15: News session.
 8.0: Town Hall chimes. Concert by the St. Kilda Band under the conductorship of Mr. J. Dixon, and items by assisting artists.
 8.1: March, Band: "Machine Gun Guards" (Marshall).
 8.5: Tenor solos, Mr. L. E. Dalley: (a) "The Sweetest Flower" (Kussner); (b) "Good-bye" (Kussner).
 8.9: Monologue, Miss Anita Winkel: "Out at Mons" (Jordan).
 8.13: Waltz, Band: "Woodland Blossoms" (Greenwood).
 8.21: Soprano solos, Mrs. D. Carty: (a) "The Rosary" (Nevin); (b) "Dear Little Shamrock" (Jackson).
 8.28: Scottish selection, Band: "Scotia" (Seddon).
 8.34: Baritone solo, Mr. Bert Rawlinson: "The Floral Dance" (Moss).
 8.39: Recitals, Mr. Lester Moller: (a) "The Storming Party" (Doyle); (b) "Father's Dress Suit" (Roberts).
 8.47: Sacred selection, Band: "Spanish Chant" (arr. Greenwood).
 8.57: Mezzo-soprano solo, Miss Muriel Riley: selected.
 9.0: Weather forecast.
 9.3: Cornet solo with band accompaniment: "Moonbeam" (Rimmer).
 9.11: Tenor solo, Mr. L. E. Dalley: "Echoes" (Kussner).
 9.14: Recitals, Miss Anita Winkel: (a) Monologue, "Little Mary Fawcett"; (b) Child impersonation, "Dirty Face."
 9.22: Selection, Band: "Minstrel Melodies" (Bourne).
 9.34: Soprano and baritone duet, Mrs. D. Carty and Mr. Bert Rawlinson: "What Are the Wild Waves Saying" (arr. Glover).
 9.39: Baritone solos, Mr. Bert Rawlinson: (a) "The Arrow and the Song" (Balfe); (b) "The Nameless Lassie" (McKenzie).
 9.46: Intermezzo, Band: "Chant Sans Parole" (Tchaikowsky).
 9.52: Mezzo-soprano solos, Miss Muriel Riley: selected.
 9.57: Recital, Mr. Lester Moller: "Punch, Brothers, Punch" (Twain).
 10.4: March, Band: "Light Step" (Ford).
 10.8: "God Save the King."

Wednesday, September 26

1YA, AUCKLAND (333 METRES), WEDNESDAY, SEPTEMBER 26.

- 3 p.m.: Afternoon session—Selected studio items.
 4.0: Literary selection by the Announcer.
 4.8: Selected studio items.
 4.25: Sports results.
 4.30: Close down.
 6.0: Children's session, conducted by Uncle Tom.
 7.15: Talk by Mr. Norman Kerr on "Physical Culture."
 7.30: News and market reports.
 8.0: Chimes.
 8.1: Orchestral—"Der Freieschutz Overture" (Weber).
 8.9: Vocal quartet—Madame Towsey's Quartet, "Gigue" (Lane Wilson).
 8.13: Tenor solos—Mr. J. Simpson, (a) "Easter Flowers" (Sanderson); (b) "Dream Cottage" (Sparrow).
 8.20: Organ solo—The Desert Song" (Romberg).
 8.23: Contralto solo—Miss Ina Schollum, "Lucia" (Luzzi).

- 8.27: Hawaiian Orchestra—Ingall's Hawaiian Orchestra, (a) "Maori Melodies" (arr. Ingall); (b) "Kohala March" (Kaili).
 8.34: Baritone solo—Mr. John Bree, "To Mary" (White).
 8.38: Band—The "Whistler and His Dog" (Pryor).
 8.41: Elocutionary—Mr. J. F. Montague, "Charles Dickens."
 8.47: Violin solo—"Spring Song" (Mendelssohn).
 8.50: Soprano solo—Madame Mary Towsey, "A Memory" (Goring-Thomas).
 8.54: Vocal duet—Messrs. Simpson and Black, "Song of the Sword" (Sylvard).
 8.58: Dance Orchestra—"What Would be Sweeter than You?" (Friend).
 9.1: Weather forecast.
 9.3: Tenor solo—Mr. J. McDougall, "Like Stars Above" (Squire).
 9.7: Hawaiian Orchestra—Ingall's Hawaiian Orchestra, (a) "Drowsy Waters" (Ailau); (b) "Wreath for Princess" (Hopkins).
 9.14: Vocal duet—Madame Towsey and Mr. J. Bree, "At Love's Beginning" (Lehmann).
 9.18: Wurlitzer organ—"Dreaming the Waltz Away" (Whiteman).
 9.21: Bass solos—Mr. Duncan Black, (a) "Corporal's Ditty" (Squire); (b) "The Blacksmith" (Howe).
 9.28: Orchestral—"Castles in the Air" (Wenrich).
 9.32: Humour and elocutionary—Mr. J. F. Montague, (a) "Cremation of Sandy McGee"; (b) selection from Shakespeare.
 9.40: Vocal duet—Messrs. John Bree and J. McDougall, "The Sailor Sighs" (George).
 9.44: Violin solo—"The Old Refrain" (Kreisler).
 9.47: Mezzo-soprano solo—Mrs. Gordon Hillyer, "The Pixie Piper" (Carew).
 9.51: Hawaiian Orchestra—Ingall's Hawaiian Orchestra, (a) "Hilo March" (Lilliokalani); (b) "Aloha Land" (Herzer).
 9.58: Baritone solo—Mr. John Bree, "The Fortune Hunter" (Willeby).
 10.2: Organ solo—"Among my Souvenirs" (Nicholls).
 10.5: Vocal duet—Messrs. Simpson and Black, "Path of the Faithful" (Baker).
 10.9: Band—"Warbler's Serenade" (Perry).
 10.12: Quartet—Madame Mary Towsey's Quartet, "Just a-wearyin' for You" (Jacobs Bond).
 10.16: Orchestral—"Invitation to the Waltz" (Weber).
 10.20: God Save the King.

2YA, WELLINGTON (420 METRES), WEDNESDAY, SEPTEMBER 26.

SILENT DAY.

3YA, CHRISTCHURCH (306 METRES), WEDNESDAY, SEPTEMBER 26.

- 3 p.m.: Afternoon session—Selected studio items.
 4.30: Close down.
 6.0: Children session, conducted by Uncle Peter and Mother Hubbard—Story and talk for the tiny tots by Uncle Peter; choruses from "The Princess of Poppyland" by the pupils of Christchurch Technical College; "Wake, Oh, Wake!", "On to the Banquet Haste Away," and "With Hearts All Light"; songs by Mother Hubbard: birthday greetings; choruses and duet, "With Roses Bestrew the Way," "The Casket Legend" (duet), and "Peaceful Sleep has Departed"; story by Uncle Peter; good-night song.
 7.15: Addington stock market reports.
 7.30: News session.
 8.0: Chimes.
 Relay from Strand Picture Theatre of Strand String Quartet, conducted by Mr. Harry Elwood.
 Vocal excerpts from "The Maid of the Mountains" (Simson), rendered by the Radiolian Quartet.
 8.10: Introduction on pianoforte, and opening chorus—Studio pianiste and Radiolian Quarter, "Friends Have to Part" (Fraser-Simson).
 8.16: Pianoforte solo—Miss Aileen Warren, "Andante and Rondo Capriccioso" (Mendelssohn).
 8.24: Contralto solo and chorus—Miss Mildred Russell and Radiolians, "Live for To-day" (Fraser-Simson).
 8.28: Steel guitar solo—Frank Ferera, "Waters of Waikiki" (Ferera) (Columbia record 3745).
 8.32: Soprano solo—Mrs. Claris Shaw, "Love Will Find a Way" (Fraser-Simson).
 8.34: Instrumental trios—Christchurch Broadcasting Trio, (a) "Waltzer-Marchen No. 2" (Schutt), (b) "Rondo Alla Turka" (Mozart).
 8.43: Chorus—The Radiolians, "Though Curs May Quail" (Fraser-Simson).
 8.47: Cornet solo—Jas. Compton, "At Sunset" (Cole) (Columbia record 0633).
 8.51: Dramatic recital—Mr. Hiram Dunford, "Becalmed" (MS.).
 8.58: Chorus and bass solo—Radiolians and Mr. W. J. Richards, "We're Gathered Here" (Fraser-Simson).
 9.2: Weather forecast.
 9.4: Overture—Black Diamonds Band, "Maid of the Mountains," Part 1 (Fraser-Simson) (Zonophone record 1772).
 9.9: Bass solo and soprano and tenor duet, Mr. W. J. Richards, Mrs. Claris Shaw and Mr. Gregory Russell, (a) "A Bachelor Gay" (Fraser-Simson), (b) "Friendship and Love" (Fraser-Simson).
 9.16: Steel guitar solo—Frank Ferera, "Isle of Oahu" (Ferera) (Columbia record 3745).
 9.20: Chorus and contralto and bass duet—The Radiolians, (a) "Save Us" (Fraser-Simson), (b) "Over There, Over Here."
 9.26: Instrumental trios—Christchurch Broadcasting Trio, (a) "Minuet" (Beethoven), (b) "Serenata" (Moskowski).
 9.35: Tenor and bass duet—Radiolian Male Duo, "Dirty Work" (Fraser-Simson).

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WELLINGTON

- 9.38: Instrumental selection—Black Diamonds Band, "Maid of the Mountains," Part 2 (Fraser-Simson) (Zonophone record 1772).
 9.43: Chorus and soprano and bass duet—Radiolians, (a) "Fisher Folk," (b) "A Paradise for Two" (Fraser-Simson).
 9.50: Philosophy and humour—Mr. Hiram Dunford, (a) "The Rear Rank" (Lawson), (b) "Some Worry" (Lawson).
 9.56: Contralto and tenor duet—Radiolian Duo, "Husbands and Wives" (Fraser-Simson).
 "God Save the King."

4YA, DUNEDIN (463 METRES)—WEDNESDAY, SEPTEMBER 26.

- 7 p.m.: Town Hall chimes.
 7.1: Request gramophone concert.
 7.40: News session—Burnside market report.
 8.0: Town Hall chimes.
 8.1: Popular song numbers—Dunedin Banjo Trio, (a) "Roll 'Em Girls" (Fletcher); (b) "I Never Knew How Wonderful You Were" (Burke); (c) "Till the End of the World With You" (Dickson); (d) "Only Me Knows Why" (Waldren).
 8.12: Popular song hits, Miss Thelma Blackman, (a) "Looking at the World Through Rose-Coloured Glasses" (Mallie); (b) "Blue."
 8.19: Piano-accordion solo—Mr. E. Heaney, "Liberty Bell March" (Sousa).
 8.23: Humorous Scottish song—Mr. Buster Brown, "It's Like Being at Home" (Lauder).
 8.27: Humorous sketch—Miss Sheila Neilson and Mr. J. B. McConnell, selected.
 8.37: Orchestral overture relayed from the Octagon Theatre Orchestra, under the conductorship of Monsieur Henri de Rose.
 8.50: Light mezzo-soprano solos—Miss Betty Roberts, (a) "Caring For the Rose" (Sharp); (b) "Hiawatha's Melody of Love" (Meyer).
 8.57: Saxophone solo—Mr. J. McCaw, "Saxema" (Wiedoeft).
 9.0: Weather forecast.
 9.3: Humorous songs—Mr. Chris. Harlie, (a) "You Tell Her I Stutter" (Friend); (b) "Fearless McGirkin" (Foley).
 9.8: Popular song numbers—Dunedin Banjo Trio, (a) "Kentucky's Way of Saying 'Good Morning'" (Astyne); (b) "After Dark" (Johnston); (c) "Bam Bam Bammy Shore" (Henderson).
 9.18: Popular song hit—Miss Thelma Blackman, "Under the Moon" (Snyder).
 9.23: Piano-accordion solos—Mr. E. Heaney, (a) "Auld Robin Gray" and Reels; (b) "Woodland Flowers" (traditional).
 9.28: Humorous Scottish songs, Mr. Buster Brown, (a) "Inverary" (Lauder); (b) "The Wedding o' Lauchie McGraw" (Lauder).
 9.35: Humorous sketch—Miss Sheila Neilson and Mr. J. B. McConnell, selected.
 9.45: Light mezzo-soprano solo—Miss Betty Roberts, "By the Camp Fire" (Weinrich).
 9.48: Saxophone solos—Mr. J. McCaw, (a) "Turkish Towel Rag" (Allen); (b) "Honolulu Moon" (Lawrence).
 9.54: Humorous song, Mr. Chris Harlie, "S' Too Old" (Foley).
 9.57: Relay of orchestral music from the Octagon Theatre.
 10.2: Close down.

Thursday, September 27

1YA, AUCKLAND (333 METRES)—THURSDAY, SEPTEMBER 27.

- 3 p.m.: Afternoon session—Selected studio items.
 3.30: Talk on "Gas Cooking," by a representative of the Auckland Gas Company.
 3.45: Selected studio items.
 4.0: Literary selection by the announcer.
 4.8: Selected studio items.
 4.25: Sports results.
 4.30: Close down.
 6.0: Children's session—Peter Pan, assisted by Bayfield Choir, in part-songs, solos and recitations. Letters and birthdays. Peter Pan and Cinderella in jokes and catches. Bed-time stories.
 7.15: News and market reports.

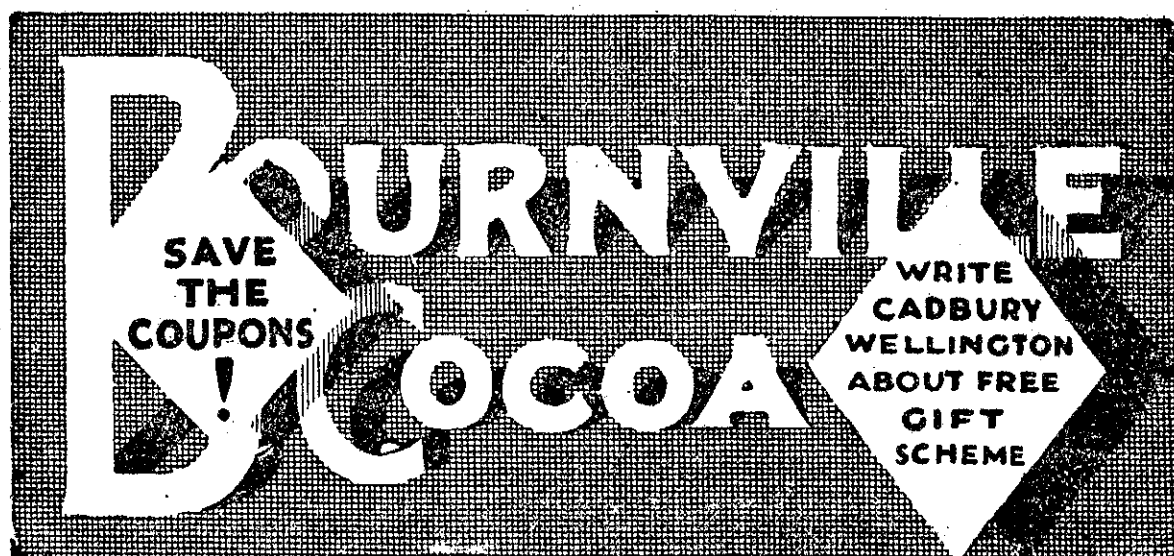
- 8.0: Chimes.
 8.1: Orchestral overture—"Tannhauser" Selection (Wagner).
 8.9: Vocal quartet—Minster Quartet, "Turn Ye to Me" (Wilson).
 8.13: Monologue—Miss Sophie Vivian, "Rosie's Relations" (Godard).
 8.17: Instrumental trio—Auckland Trio, "First Movement of Trio in D" (Arensky).
 8.25: Soprano solo—Miss Gladys Hosking, "June's Golden Song" (Dale).
 8.29: Whistling solo—"Tout Passe" (Berger).
 8.33: Baritone solo—Mr. R. Stephenson, "The Tune of the Open Country" (Martin).
 8.37: 'Cello solo—Miss Molly Wright, selected.
 8.42: Contralto solo—Miss M. Davison, "Star Eyes" (Speaks).
 8.46: Xylophone solo—Mr. McLachlan, "The Storm King" (Pauli).
 8.50: Talk on "Great Authors," by Mr. Culford Bell.
 9.0: Orchestral selection—"The Gipsy Baron" (Strauss).
 9.8: Weather forecast.
 9.9: Tenor solo—Mr. A. L. McPherson, "Kishmul's Galley" (Fraser).
 9.13: Monologues—Miss Sophie Vivian, (a) "Touchin' Fings" (Potter); (b) "To-morrow Will Do" (Pontet).
 9.21: Soprano solos—Miss G. Hosking, (a) "The Joy of the Rose" (Fabros); (b) "Fairy Shopping" (Day).
 9.29: Whistling solo—"The Mocking Bird" (Winner).
 9.33: Baritone solo—Mr. R. Stephenson, "Friendships" (Lohr).
 9.37: Instrumental trio—Auckland Trio, "Valse Des Alouettes" (Drigo).
 9.44: Contralto solo—Miss Maida Davison, "Cupid Passes By" (Oliver).
 9.48: Xylophone solos—Mr. McLachlan, (a) "Repaz Band" (Sweeley); (b) "Invercargill March" (Lithgow).
 9.56: Vocal quartet—Minster Quartet, "Wisdom and Folly" (Phillips).
 Close down.

2YA WELLINGTON (420 METRES), THURSDAY, SEPTEMBER 27.

- 3.0 p.m.: Chimes of the G.P.O. clock.
 3.1: Selected gramophone items.
 4.30 and 4.55: Sports results to hand.
 5.0: Close down.
 6.0: Children's session—Aunt Gwen and Junior Red Cross—Chorus, Cousins, selected. Birthdays, Aunt Gwen. Chorus, Cousins, selected. Recitation, Cousin, selected. Song, Cousin, selected. Story, Aunt Gwen. Chorus, Cousins, selected. Recitation, Cousin, selected. Story, Aunt Gwen. Chorus, Cousins, selected.
 7.0: News session, market reports and sports results.
 8.0: Chimes of the G.P.O. clock. Studio concert by the Central Mission Band, under the conductorship of Mr. H. Baker, assisted by 2YA artists.
 8.1: March and selection—Band (a) "Australia" (Lithgow), (b) "O'er Hill and Dale" (Le Due).
 8.16: Bass solo—the Bass Fellow, "Long Ago in Alcala" (Messenger).
 8.20: Humour—Miss Violet Wilson, "Mrs. Green on Skating" (Rynd).
 8.26: Cornet duet—Bandsmen N. McPherson and W. Baker, "Ida and Dot" (Losey). Waltz—Band, "River of Pearls" (Rimmer).
 8.38: Harmony—the Four Fellows, "Plantation Lullaby" (Smith).
 8.42: Stories—the Versatile Fellow, "Originalities."
 8.49: March—Band, "Galvini" (Lithgow).
 8.54: Baritone solo—the Baritone Fellow, "Don't Forget the Old Folk" (Inglis).
 8.58: Weather forecast.
 9.0: Novelty—"London and Daventry Calling," Savoy Orpheans Band. (H.M.V. Record C1251).
 9.8: Fantasia and Hymn—Band (a) "Paddy's Patrol" (Rimmer), (b) selected.
 9.21: Humour—Miss Violet Wilson, excerpts from "The Innocents Abroad" (Mark Twain).
 9.26: Song—the Tenor Fellow, "Morning" (Speaks).
 9.30: A foursome—Mellow Fellows, "The Village Pump" (Main).
 9.34: Selection—Band, "Recollections of Verdi" (Rimmer).
 9.44: Character sketch—Two Talkative Fellows, "Cohen" (original).
 9.50: Song—the Other Fellow, "Harvest" (Del Riego).
 9.54: Vocal duet—The High and Low Fellow, "Somewhere a Voice is Calling" (Tate).
 9.58: March—Band, "Heroes of Liberty" (Lithgow). God Save the King.

3YA CHRISTCHURCH (306 METRES), THURSDAY, SEPTEMBER 27.

- 3.0 p.m.: Afternoon session—selected studio items.
 4.30: Close down.
 6.0: Children's session conducted by Chuckle and Aunt Pat: "How-do-You-Do." Song by Chuckle and Aunt Pat. Songs, Cousin Noeline. Recitations, Cousin Ena, "Emmaline" and "The Fairy Gramophones." Stories by Chuckle and Aunt Pat. Piano music by Cousin Jean, "Valse Caprice" and "The Angelus." Birthday greetings. Songs by Cousins Victor and Selwyn, "The Lowland Sea" and "The Climate." Closing-down song.
 7.15: News session.
 8.0: Chimes.
 8.1: Overture—rebroadcast of 2YA, Wellington (conditions permitting). Song cycle, "In a Persian Garden," by Lehmann, with instrumental accompaniment. Extracts from "In a Persian Garden," from Omar Khayyam's "Rubaiyat," being his philosophy of life. Omar was a tent-maker, astronomer and poet of Persia 800 years ago. Besides this, he was a scientist and metaphysician, and there are works of his in Algebra and Euclid still existant. Yet this great thinker's message in the Rubaiyat is on the uselessness of think-



ing. The "Rubaiyat" contains the poet's estimate of the sum of existence—the doctrine of an amiable Epicurean philosophy. Seeing only this world and the material things in it, he bids us enjoy ourselves while we may. From Edward Fitzgerald's translation of the "Rubaiyat," Liza Lehmann selected stanzas, which she has set to music. Soprano, Madame Gower-Burns; contralto, Mrs. Ann Harper; tenor, Mr. Harold Prescott; baritone, Mr. Clive Hindle. "Wake for the Sun, who Scattered into Flight," quartet; "Before the Phantom of False Morning Died," tenor solo; "Now the New Year Reviving old Desires," bass; "Iram Indeed is Gone With all His Rose," tenor; "Come, Fill the Cup," quartet; "Whether at Naishapur or Babylon," bass; "Ah, Not a Drop That from our Cups," contralto; "I Sometimes Think," contralto; "A Book of Verse," soprano and tenor duet; "Myself When Young," bass solo; "Ah, Make the Most of What We Yet May Spend," bass; "When You and I Behind the Veil," contralto; "But if the Soul," soprano; "I Sent My Soul," soprano; "Alas That Spring Should Vanish," tenor; "The Worldy Hope," contralto; "Each Morn a Thousand Roses Brings," soprano; "They Say the Lion," quartet; "Ah, Fill the Cup," tenor; "Ah, Moon of My Delight," tenor; "As Then the Tulip," bass solo; "Alas, That Spring," quartet.

8.52: Instrumental.

8.57: Recital—Mr. R. R. Wills, "The Guides at Kabul" (Newbolt).

9.4: Weather forecast.

9.6: Overture—Concertgebouw Orchestra, "Sinfonia" (Bach). Columbia Record 04111.

9.16: Baritone solos—Mr. Clive Hindle, (a) "What Am I, Love, Without Thee" (Adams); (b) "Down Among the Dead Men" (17th Century).

9.22: Cornet duet—Messrs. Ohlson and Benson, "Lucretia Borgia" (Donizetti).

9.27: Soprano solos—Madame Gower-Burns, (a) "Oh, My Garden" (Mallinson), (b) "Kissing Time" (Needham).

9.32: Flute solo—John Amadio, "Nocturne Op. 9 No. 2" (Chopin). Zonophone Record 2257.

9.36: Tenor solos—Mr. Harold Prescott (a) "Sigh No More, Ladies" (Stevens); (b) "Where'er You Walk" (Handel).

9.43: Contralto solos—Mrs. Ann Harper, (a) "My Harp is on the Willow Tree" (Needham), (b) "Linden Lea" (Vaughan Williams).

9.47: Cornet duet—Messrs. Ohlson and Benson, "Home to Our Mountains" (Verdi).

9.52: Recital—Mr. R. R. Wills, "The Ballad of the Bolivar" (Kipling).

9.58: Flute solo—John Amadio, "Air from Norma" (Bellini). Zonophone Record 2257. God Save the King.

4YA, DUNEDIN (463 METRES), THURSDAY, SEPTEMBER 27.

SILENT DAY.

Friday, September 28

1YA, AUCKLAND (333 METRES), FRIDAY, SEPTEMBER 28.

3 p.m.: Afternoon session—Selected studio items.

4.0: Literary selection by the Announcer.

4.8: Selected Studio items.

4.25: Sports results.

4.30: Close down.

6.0: Children's session—Nod and Aunt Jean. Opening song, Aunt Jean. Recitation, Cousin Ngaere, "Next Door." Letters and birthdays. Song, Cousin Shirley, "Lullaby." Record and story. Bedtime stories. Song, Aunt Jean, "Good-night."

7.15: News and market reports.

8.0: Chimes.

8.1: Overture—Orchestra, "Stradella" (Flotow).

8.10: Vocal duet—Messrs. B. Coney and L. Harvey, "Flow Gently, Deva" (Parry).

8.14: Wurlitzer organ solo—"Baby Feet Go Pitter Patter" (Kahn).

8.18: Soprano solo—Miss Dorothy Youd, "Garden of Happiness" (Wood).

8.21: Humour—The Hebrew Two, "Buying a Bungalow" (Original).

8.31: Tenor solo—Mr. L. Harvey, "Passing By" (Purcell).

8.35: Saxophone solo—"La Cinquantine" (Marie).

8.39: Contralto solo—Miss Martha Williamson, "Can Ye Sew Cushions?" (old Scottish).

8.43: Orchestral selections—Orchestra, (a) "Andantino" (Lemare, arrgd. Bellingham); (b) "Waiata Poi" (Hill).

8.51: Baritone solo—Mr. B. Coney, "Prologue from 'Pagliacci'" (Leoncavallo).

8.55: Guitar solo—"Dreamy Nights in Honolulu" (Hampton).

8.59: Weather forecast.

9.1: Tenor solo—Mr. L. Harvey, "La Donna e Mobile" (from "Rigoletto") (Verdi).

9.5: Wurlitzer organ solo—"After We Kiss" (Fiorito).

9.9: Orchestral selection—Orchestra, "The Mikado" (Sullivan).

9.18: Dialogue—Messrs. Thomas Harris and Mackie, Scene from "The Merchant of Venice"—"Shylock and Tubal" (Shakespeare).

9.27: Soprano solo—Miss D. Youd, "Lullaby" (Scott).

9.31: Saxophone solo—"Sax-o-Phun" (Weidoeft).

9.35: Baritone solo—Mr. Barry Coney, "Cobblin'" (Sanderson).

9.39: Guitar solo—"The Farmer's Dream" (Fera).

9.43: Contralto solo—Miss M. Williamson, "Harvesters' Night Song" (Power).

9.47: Vocal quartet—Mr. B. Coney's Quartet, "Good-night, Good-night, Beloved" (Pinsuti).

9.52: Orchestral selection—Orchestra, "Slavonic Rhapsody" (Friedman).

10.0: God Save the King.

2YA, WELLINGTON (420 METRES), FRIDAY, SEPTEMBER 28.

3 p.m.: Chimes of the G.P.O. clock.

3.1: Selected gramophone items.

4.30 and 4.55: Sports results to hand.

5.0: Close down.

6.0: Children's session conducted by Uncle Ernest. Piano duet, Cousins Heather and Dorothy, "Stephanie Gavotte" (Czibulka). Birthdays, Uncle Ernest. Song, Cousin Betty, "Fairy Pipers" (Brewer). Recitation, Cousin Sinclair, "Tit for Tat" (Anon). Piano solo, Cousin Heather, "Cradle Song" (Brahms). Recitation, Cousin Sinclair, "A Complaint" (Anon). Vocal duet, Cousins Kathleen and Gretchen, "Sweet and Low" (Barnby). Story, Uncle Ernest.

7.0: News session, market reports and sports results.

8.0: Chimes of the G.P.O. clock.

8.1: Overture—the Orchestra, (a) "Vanished Army" (Alford); (b) "Tales of the Orient" Waltz (Strauss).

8.9: Vocal duet—Miss Gretta Stark and Mr. Frank Skinner, "The Blue Room" (Rodger).

8.13: Baritone solo—Mr. Ray Kemp, "Two Little Irish Songs" (Lohr).

8.18: Pianoforte solo—Miss Agnes Wright, "Danse d'Olaf" (Pick-Mangiagelli).

8.26: Humour—Mr. Doug. Stark, (a) "Breakfast In My Bed" (Lauder); (b) "Ta Ta Maggie Darling" (Lauder).

8.33: Violin solo—Heifetz, "Rondo" (Schubert) (H.M.V. Record DB1047).

8.37: Tenor solo—Mr. Frank Skinner, "Angels Guard Thee" (Godard).

8.41: Guitar and ukuleles—Kane's Hawaiians, (a) "Drowsy Waters" (Ailan); (b) "Hilo Hawaiian March" (Zonophone Record 2992).

8.48: Soprano solos—Miss Gretta Stark, (a) "Second Minuet" (Besly); (b) "Had You but Known" (Denza).

8.54: Instrumental—Orchestra, "Ascanio Ballet Suite, Pt. 1" (Saint Saens)—1. Entry of the Master of the Games. 2. Venus, Juno and Pallas. 3. Diana, wood nymphs and water nymphs. 4. Bacchus and Bacchantes. 5. A vision of Phoebus Apollo and the Nine Muses. 6. Phoebus and the Harp and Cupid.

9.7: Weather forecast.

9.9: Literary talk by Rev. Clarence Eaton, "The Wit and Wisdom of Oliver Wendell Holmes."

9.24: Instrumental—Orchestra, Request Number.

9.32: Contralto solos—Miss Rita Arnold, (a) "Lift Your Eyes" (Sellers); (b) "To You" (Speaks).

9.37: Quartet—Etude Quartet, "Chant a Nuptial Song" (Bath).

9.41: Violin solo—Heifetz, "Ave Maria" (Schubert) (H.M.V. Record DB1047).

9.45: Humour—Mr. Doug. Stark, "I Forget" (by request) (Hastings).

9.54: Orchestra, (a) "Sing Me to Sleep" (Greene); (b) trombone solo, "Toreador's Song" (Bizet).

10.2: Vocal duet—Miss Gretta Stark and Mr. Ray Kemp, "The Manly Heart" (Mozart).

10.12: Vocal quartet—Etude Quartet, "My Blue Heaven" (arr. Barnes).

10.16: Selection—Orchestra, "Sunny" (Kern).

10.26: God Save the King.

3YA, CHRISTCHURCH (306 METRES), FRIDAY, SEPTEMBER 28.

3 p.m.: Afternoon session—Selected studio items.

4.30: Close down.

6.0: Children's session, conducted by Big Brother. Story for the Tiny Tots by Big Brother. Recitation, Cousin Mildred, "Sherwood." Song, Cousin Joyce. Choruses by Addington School Choir. Birthday

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greetings. Stories for the big boys. "Recessional" by the Choir. Musical monologue, Cousin Ruth, "Naughty Words." Good-night song, "Sweet Dreams, Children."

- 7.15: News session.
8.0: Chimes.
8.1: Overture—Rebroadcast of 2YA, Wellington (conditions permitting).
8.7: Tenor solos—Mr. Russell Sumner, (a) "Her Voice" (Schumann); (b) "A Flower to Me Thou Seemest" (Schumann).
Contralto solo—Miss Eileen Irwin, "Yonder" (Oliver).
8.16: Organ solos—G. T. Pattman, "Liebestraume, Pts. 1 and 2" (Liszt). (Columbia Record 01003).
8.24: Bass solo—Mr. T. D. Williams, "The Raft" (Pinsuti).
8.28: Instrumental trio—Christchurch Broadcasting Trio, "Allegro Apassionata" (Lalo).
8.38: Vocal duet—Messrs. Layton and Johnstone, "If You See Sally" (Kahn) (Columbia Record 01109).
8.42: 'Cello solos—Mr. Harold Beck, (a) "Andante Cantabile" (Francatelli); (b) "Slavonic Fantasy" (Dvorak-Kreisler).
8.46: Recitals—Miss Winifred Smith, (a) "The Fall of D'Assas" (Hemans); (b) "Dickens in Camp" (Harte).
8.50: Vocal duet—Yeoman Duo, "Soldiers and Sailors" (Lane Wilson).
8.54: Weather forecast.
8.56: Overture.
9.6: Tenor solos—Mr. Russell Sumner, (a) "Row Gently Here" (Schumann); (b) "When Through the Piazzetta" (Schumann).
Contralto solos—Miss Eileen Irwin, (a) "By the Waters of Minnetonka" (Lieurance); (b) "Wait" (d'Hardelot).
9.17: March—Willyams Dance Band, "Lucky Strike" (Glogan).
9.21: Bass solo—Mr. T. D. Williams, "The Wanderer's Song" (Harrison).
9.25: Instrumental trios—Christchurch Broadcasting Trio, (a) "Intermezzo" (Mathias); (b) "Poupee Valsante" (Poldini).
9.35: Vocal duet—Layton and Johnstone, "Are You Lonesome To-night" (Turk) (Columbia Record 01109).
9.39: Slow waltz—Willyams Dance Band, "Viola."
9.43: Vocal duet—Yeoman Duo, "The Crucifix" (Faure).
9.47: Foxtrot—Willyams Dance Band, "Underneath the Palms" (Olman) (piano solo by Mr. A. E. Willyams).
9.53: Recitals—Miss Winifred Smith, (a) "Wages" (MS); (b) "Jones Comes Home Late" (Hastings).
9.59: Blues—Willyams Dance Band, "Shine on, Harvest Moon" (Bayes).
11.0: Close down.

4YA, DUNEDIN (463 METRES), FRIDAY, SEPTEMBER 28.

- 3 p.m.: Town Hall chimes.
3.1: Gramophone items.
3.15: Talk on "Fashions" by Miss Buccleuch of the D.S.A., Ltd.
3.30: Relay of afternoon-tea music from the Savoy.
3.45: Studio music.
4.0: Relay of music from the Savoy.
4.15: Gramophone items.
4.25: Sports results.
4.30: Close down.

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- 6.0: Town Hall chimes.
6.1: Children's session, conducted by Aunt Sheila and Big Brother Bill. "Happy Folks' Anthem." Greetings, riddles and jokes. Item by the Boys' Division Y.M.C.A.. Storytime for the chickabiddies, Aunt Sheila. Birthdays, radio postie and letters. Item by the Boys' Division Y.M.C.A.. Trip in the Time Scooter to see one of the wonders of the British Empire. National Anthem.
7.15: News session.
8.0: Town Hall chimes.
8.1: Orchestral overture.
8.10: Baritone solos—Mr. L. M. Cachemaille: (a) "Waiata Maori" (Hill); (b) "Elegie" (Massenet).
8.17: Cornet solo—Mr. George Christie, "Arbucklenian Polka" (Hartmann).
8.23: Mezzo-soprano solo—Miss Molly Vickers: "At Dawning" (Cadman).
8.26: Recital—Miss Madge Yates, "Greetings" (Anon.).
8.31: Baritone solo—Mr. L. M. Cachemaille, "The Crown of the Year" (Martin).
8.35: Cornet solos—Mr. George Christie, (a) Selection from "Il Trovatore" (arr. Harper); (b) "White Moon" (Matter).
8.44: Mezzo-soprano solos—Miss Molly Vickers, (a) "Love, Laughter and You" (Mongires); (b) "I Be Hopin' You Remember" (Clarke).
8.49: Pianoforte solo—Mrs. Ernest Drake, "Reflection in the Water" (Debussy).
8.52: Recitals—Miss Madge Yates, (a) "The Angel" (Cobden); (b) "Vive la France" (Anon.).
9.0: Weather forecast and announcements.
9.2: An hour's dance music relayed from the Savoy (Alf. Carey and his orchestra).
10.2: Close down.

Saturday, September 29

1YA, AUCKLAND (333 METRES), SATURDAY, SEPTEMBER 29.

- 2.45: Relay description of Rugby football match from Eden Park.
4.30: Close down.
6.0: Children's session—Cinderella—Piano duet, Cousins Betty and Nola, "Tarantelle" (Raff). Vocal duet, Cousins Eileen and Nellie, "Sunset" Trail. Letters and birthdays. Uncle Peter, humorous Talk. Piano duet, Cousins Eileen and Nellie, "Hungarian Dance." Bed-time stories.
7.15: News and market reports. Sports results.
8.0: Chimes.
8.1: Orchestral overture—"The Magic Flute" (Mozart).
8.9: Vocal quartette—Lyric Quartet, "Souvenirs" (Arr. Don.).
8.17: Instrumental trio—Auckland Trio, "Last Movement of Trio in B Flat" (Dvorak).
8.21: Humour—Mr. Alan McElwain, "Some Humour."
8.26: Ukulele solo—"Hawaiian Melody" (Luvan).
8.29: Tenor solo—Mr. A. Ripley, "Bird of Love" (Jenkins).
8.33: Orchestral selection—"Beggars' Opera" (Austin).
8.41: Vocal quartette—Lyric Quartet, "'Cos I'd Nothin' Else To Do" (Parkes).
8.45: Pianoforte solo—Mr. C. Towsey, selected.
8.49: Bass solos—Mr. E. Thomas, songs from "A Lover in Damascus" (Woodforde-Finden), (a) "Far Across the Desert Sands"; (b) "Beloved in Your Absence"; (c) "How Many a Lonely Caravan."
8.57: Ukulele solo—"The Ideal Girl" waltz (Lanaun).
9.0: Humour—Mr. A. McElwain, "The Dorg 'Orspital."
9.5: Weather forecast.
9.7: Instrumental trio—Auckland Trio, "Passion Flowers" (Somerville).
9.17: Vocal quartette—Lyric Quartet, "Kentucky Babe" (Smith).
9.20: Relay of dance music by the Collegians from the Masonic Hall (under the conductorship of Mr. Edgar Bendall).
11.0: God Save the King.

2YA WELLINGTON (420 METRES), SATURDAY, SEPTEMBER 29.

- 3.0 p.m.: Chimes of the G.P.O. clock.
3.1: Selected gramophone items.
4.30 and 4.55: Sports results to hand.
5.0: Close down.
6.0: Children's session conducted by Uncle Toby and Aunt Gwen—Mouth organ solo, Uncle Toby, selected. Birthdays, Aunt Gwen. Songs, "Will You Walk a Little Faster?" (from "Alice in Wonderland"), and "The Poodle" (Columbia Record). Birthdays, Uncle Toby. Musical monologue, Aunt Gwen. Song, Uncle Toby. Story, Aunt Gwen. Goodnight song, Uncle Toby.
7.0: News session, market reports and sports results.
7.40: Lecturette by Mr. W. M. Dawson (under the auspices of the Wellington Radio Society), "Valves."
8.0: Chimes of the G.P.O. clock.
8.1: Overture—the Orchestra, "Potted Overture" (Englemann).
8.9: Vocal quartette—Melodie Four, "Timbuctoo" (Geibel).
8.12: Baritone solo—Mr. R. S. Allwright, "Anchored" (Watson).
8.16: Male voices—The Revellers, "The Varsity Drag" (H.M.V. Record EA332). Jazz Band—Jack Hylton, "Souvenirs" (Nicholls). (H.M.V. Record EA297).
8.24: Humour—Mr. Geo. Titchener, "The Modest Curate."
8.31: Ballet suite—the Orchestra, "Cullirhoe" (Chaminade).
8.39: Vocal quartette—Melodie Four, "Mary" (Richardson).

Sunday, September 30

1YA, AUCKLAND (333 METRES)—SUNDAY, SEPTEMBER 30.

- 3 p.m. Afternoon session—selected studio items.
 4.0 Literary selection by the Announcer.
 4.8 Selected studio items.
 4.30 Close down.
 6.0 Children's song service conducted by Uncle Leo, assisted by Cousins from the Mount Albert Baptist Sunday School.
 6.55 Relay of service from Unitarian Church—Preacher: Rev. Albert Thornhill.
 8.30 Relay of Auckland Municipal Band Concert—Conductor: Mr. Christopher Smith, "Military Band Selections."
 9.30 God Save the King.

2YA, WELLINGTON (420 METRES)—SUNDAY, SEPTEMBER 30.

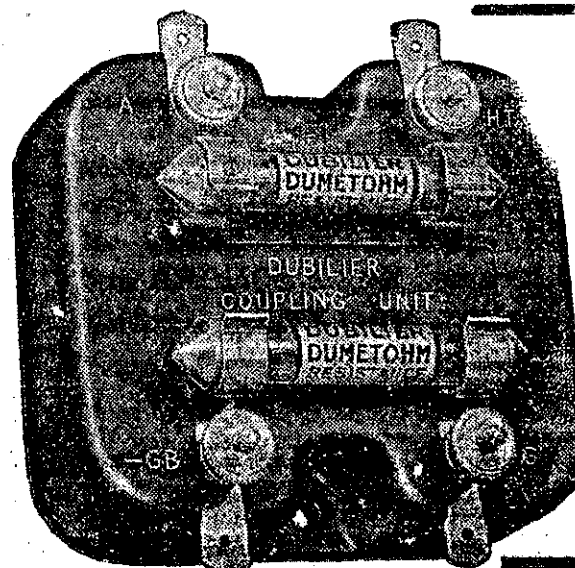
- 3 p.m. Afternoon session—selected studio items.
 4.30 Close down.
 6.0 Children's Sunday service conducted by Uncle Ernest, assisted by Brooklyn Methodist Sunday School choir.
 7.0 Relay of evening service from St. Andrew's Presbyterian Church—Preacher, Rev. R. J. Howie, B.A.; organist and choirmaster, Mr. Frank Thomas.
 8.15 (approx.) Studio concert.—Overture—"Egmont" (Beethoven); vocal quartet—Melodie Four, "Integer Vitae" (Fleming); tenor solo—Mr. Sam Duncan, "Consider the Lilies" (Gaul); 'cello duo—Miss Linda Hill and Mr. W. Smallbone, "Nocturne" (La Boccetta); musical monologue—Miss Gwen Shepherd, "The Lesson of the Water Mill" (Andrews); bass solo—Mr. W. W. Marshall, "King of the Vasty Deep" (Withers); pianoforte solos—Mr. Norman Izett, (a) "Impromptu in A Flat" (Chopin), (b) "Prelude" (Debussy); vocal quartet—Melodie Four, "Hark, Hark, My Soul"; string quartet—"Andante Cantabile," quartet in D (Tchaikowsky); baritone solo—Mr. R. S. Allwright, "The Lord is My Light" (Allitsen); organ solos—(a) "Marche Pontificale" (Widor), (b) "Prayer and Cradle Song" (Guilmant); tenor solo—Mr. Frank Bryant, "Be Thou Faithful Unto Death" (from "St. Paul") (Mendelssohn); musical monologue—Miss Gwen Shepherd, "What is a Gentleman?" (Andrews); vocal quartet—Melodie Four, "The Long Day Closes" (Sullivan); band selection—"The Shamrock" (arrgd. Myddleton); close down.

3YA, CHRISTCHURCH (306 METRES)—SUNDAY, SEPTEMBER 30.

- 3 p.m. Studio recital of electrically reproduced gramophone records.
 3.30: Organ recital by Mr. T. Vernon Griffiths, M.A., Mus. Bac., on the organ of St. Michael's Anglican Church.
 3.45 Studio recital of gramophone records.
 4.0: Continuation of organ recital by Mr. Vernon Griffiths.
 4.30 Close down.
 4.15 Studio recital.
 4.30 Close down.
 5.30 Children's song service conducted by Uncle David, with special records chosen for the children's hour—duet, "I Waited for the Lord"; solo, "O For the Wing of a Dove"; hymns, "Abide With Me," "Nearer My God to Thee," and "O God Our Help in Ages Past."
 6.30 Studio recital.
 7.0 Relay of evening service from St. Michael and All Angels' Anglican Church—Preacher, Rev. Chas. Perry; organist and choirmaster, Mr. T. Vernon Griffiths, M.A., Mus. Bac.
 8.15 (approx.) Studio recital.
 9.30 God Save the King.

4YA DUNEDIN (463 METRES), SUNDAY, SEPTEMBER 30.

- 5.30: Children's song service, conducted by Big Brother Bill, assisted by scholars from Dundas Street Methodist Sunday School.
 6.30: Relay of service from the Methodist Central Mission—Preacher, Rev. W. Walker. Organist, Mr. Chas. A. Martin.
 8.0: Studio concert.
 9.15: Close down.



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- 8.43: Tenor solos—Mr. Frank Bryant, (a) "Good Morning, Brother Sunshine" (Lehmann); (b) "The Bold Unbiddable Child" (Stanford).
 9.50: Solo and chorus—(a) "Bridegroom and Bride"; (b) "When A Merry Maiden Marries" (from "The Gondoliers" (Sullivan). H.M.V. Record D1339.
 8.58: Weather forecast.
 9.0: Vocal quartette—Melodie Four, "La rling" (Abt).
 9.4: Instrumental—the Orchestra, "Request Number."
 9.12: Bass solo—Mr. W. W. Marshall, "Stonecracker John" (Coates).
 9.3: Humour—Mr. Geo. Titchener, "Baby Bill."
 9.23: Marimba Orchestra (a) "Down Hawaii Way" (Heagney), (b) "When It's Love Time in Hawaii" (Heagney). Zonophone Record 3852.
 9.31: Tenor solo—Mr. Sam Duncan, "I'll Sing Thee Songs of Araby" (Clay).
 9.35: Instrumental selection—the Orchestra, "No, No, Nanette" (Youmans).
 9.45: Vocal quartette—Melodie Four, "Eileen Alannah" (Batchelder).
 9.49: Dance numbers—the Orchestra.
 10.0: Dance programme.
 11.0: Close down.

3YA CHRISTCHURCH (306 METRES), SATURDAY, SEPTEMBER 29.

- 6.0 p.m.: Children's hour—Uncle Sam.
 7.15: News session and sports results.
 8.0: Chimes.
 8.1: Overture—rebroadcast from 2YA, conditions permitting.
 8.6: Studio stunts—Charles Lawrence's Peerless Quartet Entertainers.
 8.21: Orchestral selection—Studio Orchestra, "Chu Chin Chow" (Norton).
 8.29: Contralto solo—Miss Ethel Hook, "When the Red Dawn is Shining" (Sharpe). Columbia record 2816.
 8.33: Baritone solo—Mr. Charles Lawrence, "The Bandolero" (Stuart).
 8.37: Hand-Bells—Barnado Boys, "The Legend of the Bells" (Planquette). Columbia record 4362.
 8.41: Soprano solos—Mrs. Moana Lawrence, (a) "The Glory of the Garden" (Boanas); (b) "The Joy Bells" (Barnes).
 8.46: Orchestral selection—The Studio Orchestra, "The Mikado" (Sullivan).
 8.53: Humour—Mr. Jack Darragh, "Cohen Rings His Solicitor."
 8.58: Weather report and forecast.
 9.0: Overture.
 9.10: The Boys Play Up—Charles Lawrence's Peerless Quartet Entertainers.
 9.25: Contralto solo—Miss Ethel Hook, "Keep on Hopin'" (Heron-Maxwell). Columbia record 2816.
 9.29: Orchestral selection—Studio Orchestra, "Musical Switch" (Alford).
 9.37: Soprano solos—Mrs. Moana Lawrence (a) "I Did Not Know" (Trotter); (b) "Just Like a Butterfly" (Davis).
 9.43: Novelties—Roy Smeck and Carson Robison—(a) "Touch Pickin'" (Smeck); (b) "Twilight Echoes" (Robinson). Columbia record 0627.
 9.51: Humour—Mr. Jack Darragh, "Guy De Vere Attempts a Toast."
 9.56: A few moments at the piano—Mr. Les Grummitt, "Coaxing the Ivories" (Grummitt). God Save the King.

4YA, DUNEDIN (463 METRES)—SATURDAY, SEPTEMBER 29.

- 2.45 p.m. Relay description of Inter-Provincial Rugby Match from Carisbrook—South Canterbury versus Otago.
 7.15 News session.
 7.30 Address under the auspices of the Workers' Educational Association.
 8.0 Town Hall chimes.
 8.1 Relay of orchestral selections from the Strand Theatre Orchestra under the conductorship of Mr. L. D. Austen.
 8.10 The 4YA Harmonists present the vocal numbers from the musical comedy, "To-night's the Night," by Paul A. Rubens:—Soprano, Miss Roma Buss; mezzo-soprano, Miss Mollie Andrews; tenor, Mr. C. C. Scott; baritone, Mr. F. M. Tuohy.

Act 1.

Opening chorus—"When the Boys Come Home to Tea," baritone solo and chorus; "Too Particular," mezzo-soprano and tenor duet; "Please Don't Flirt With Me," soprano and tenor duet; "The Only Way," baritone solo and chorus; "Round the Corner," mezzo-soprano and tenor duet; "To-night's the Night," baritone solo and chorus; "They Don't Believe Me," soprano and baritone duet; chorus, Finale Act 1. Instrumental trios—(a) "Longing for Home" (Jungman); (b) "Stephanio Gavotte" (Czibel). Recital—Miss Roberta Williams, "March of Company A" (Anon.). Pianoforte solo—Mrs. Ernest Drake, "Finale from Etude Symphonique" (Schumann). Violin solo—Mr. A. R. Watson, "To the Evening Star" (Wagner).

Act 2.

Opening chorus—"Play Me That Tune," mezzo-soprano solo; "I'd Like to Bring My Mother," soprano solo; "I'm a Millionaire," baritone solo and chorus; "Boots and Shoes," mezzo-soprano and baritone duet; "Dancing Mad," tenor and baritone duet; "The Early Morning," soprano solo; "Any Old Night," tenor solo and chorus; "Pink and White," baritone solo.

Finale.

Flute solos—Mr. J. W. Stewart, (a) "Romance and Sequidilla" (Bright); (b) "Gourante" (Kronke). Recital—Miss Roberta Williams, "Story of a Pierott" (Anon.). Violin solo—Mr. A. R. Watson, "Cantabile" (Chopin).
 10.0 Close down.

The Flight Service.

A FEW lines to show my appreciation of the wonderful service put up by the Broadcasting Company during the history-making flight. It was the goods, and I thank you and all concerned. My set is a two-valve working a cone speaker, and I have the following stations to the set's and my credit (I built it):—1YA, 2YA, 3YA, 4YA, 2ZF, 2ZK, 2AQ, 3ZL, 4ZL, 4ZB, 2BL, 2FC, 2KY, 2GB, 2UE, 2UW, 3LO, 3AR, 3UZ, 3BY, 4QG, 7ZL, 5CL, JOAK, JOBK, C. A. Larsen, 4ZM.—Kenneth McKenzie (Masterton).

I WOULD like to congratulate the company very heartily on the wonderful way the stations kept up the interest of listeners during the great Southern Cross flight. We would have liked to know the names of the records, but they were enjoyed just the same. It was all so wonderful. We are in the bush 40 miles from a railway, could even hear the noise of the 'plane landing in Christchurch, and never for one minute did our interest lessen. We listened to the broadcasting of the other fatal flight, and I often thought it a wonderful performance for the announcer to keep the public interested as he did for so many hours. Mr. Kingsford Smith did not hear half the cheers that went up on his landing. There were some hearty ones here, and I have no doubt in very many places in New Zealand and Australia.—Douglas C. Waldie (Waitotara).

A Thought for the Sick.

NOW that the Wellington Hospital is equipped with radio receiving sets may I ask if arrangements could be made with the station to take about one minute from the children's hour in each session and wish those who are unfortunately there—both children and adults—a word of cheer. I am sure this would be very much appreciated by the sick and maimed. It is probably only for want of thought that this has not been already done, as every night this can be heard from the Australian stations during the children's session, when either opening or signing off. With best wishes.—"Battery."

The Racing Ban.

AS a wireless owner, and also as the secretary of a racing club, although I do not in any sense write in that capacity, I have read all the correspondence and comment on the question of broadcasting the description of races, with considerable interest, and must confess I have been surprised at the very bitter attitude adopted by "The Record" on the subject. Let me say I have on occasion enjoyed the description of a race, as have members of my family. There is, however, the in-

Our Mail Bag

Will correspondents please practice brevity, as heavy demands are now made on space. All letters must be signed and address given as proof of genuineness; noms de plume for publication are permitted. Address correspondence Editor, "Radio Record," P.O. Box 1032, Wellington.

controvertible fact that the broadcasting of race descriptions distracts from work and business in places and towns away from the course, the attention of hundreds of people who should be otherwise occupied. I see it constantly in my own town, even in my own office. It is the same everywhere, and I venture to say you know it as well as anyone else. The very fact that numbers congregate around wireless sets in hotels, clubs, etc., increases illegal betting, and interferes with work and business hundreds of miles away from the racecourse. There are not a great many people in New Zealand who have not the opportunity of attending at least one race meeting now and again, and in any case, the results and details are always broadcast in the evening, only two or three hours afterwards. Your latest correspondent, "Common Justice" speaks of "the numbers congregating at hotels and other places where broadcasting is to be heard." That is just the point. By all means let people have a few days' holiday at the races when they can, but I think any unbiased person must admit that it is no good to the country, the employers, or the people themselves, to be constantly wasting time every week listening to races over the wireless, and with their minds on the time of the next race in between times. One other point: Why did the Broadcasting Company suddenly cease announcing before the race, the positions at the post, and the order of favouritism? Was it that this important information was being made too good use of by bookmakers' supporters listening in? Your last correspondent adds that the Racing Conference should do its best to make it possible for people to telegraph their investments to the secretary of a club holding a meeting. As all interested in racing know, the racing authorities have been fighting for this privilege for years, and it was included in the defeated Bill which was before Parliament last year.—Commonsense.

Sunday Evening Concerts.

IT is with deep disgust I read your Sunday evening programme. I trust you do not intend to foist such music on the patient listener each Sunday. We have hitherto looked forward to the band concert as a means of relaxation for the busy farmer, fresh

from the cow-shed, and other tasks. After listening to the children's service, and the church service, surely we have had sufficient religion to last us the week. How can a farmer in the back-blocks ask his neighbour, on their only day of semi-relaxation, to come in and hear such high-falutin' stuff. Frankly, it goes over our heads, and provides no amusement, but merely provokes a polite interest. No doubt, it appeals to the over-educated minds of the city dweller, who is in the fortunate position of being able to go outside and get his music to suit his taste if the radio doesn't. It certainly does not appeal to us. Give us back our band concerts.—R.H.P.

May Have Been 5CL.

MIGHT I say to your correspondent, C. Hodson, of Wairoa, that I picked up station 5CL, Adelaide, on the date and time mentioned, the items on the air being a boxing contest. I heard about five of the last rounds, and clearly heard the winner, "Marcus," announced, and almost immediately I heard the announcer say 5CL Adelaide operating on 395 metres.—G. Gay (Wellington).

The First Television Transmission.

I TUNED in short-wave station 2XAF this afternoon, and heard the play "The Queen's Messenger" transmitted. It was announced that it was the first television transmission, and was by the General Electric Company. Reception was excellent, 100 per cent. readable, and very steady, at good loudspeaker strength. My S.W. receiver is a three-valve radio record, of my own construction. Good wishes to New Zealand "Radio Record."—J. Durrant (Ohaui).

Appreciated.

IN no small way do I express my appreciation of the services rendered by Radio Broadcasting. All I can say is that I am perfectly satisfied with the programmes from the four stations. I must say that I have taken a keen interest in the rebroadcasts of boxing, football, and also the landing of the Southern Cross in Christchurch.—"Six Valves" (Oamaru).

"Homo" and the King's English.

IN your last issue you publish a letter by "Homo." I'm sure "Homo" must be a woman, as no man worthy of the name would pass such catty remarks. If the announcer makes "Homo" squirm, why doesn't she tune in somewhere else where she will hear some voices—rich and full. In the opinion of quite a number, if votes were taken on the most popular announcer, Mr. Drummond, of 2YA, would top the poll. He does not speak in a dull, monotonous voice, but is "alive" and "interested." His rendering of the King's English is the rendering understood by at least 90 per cent. of the listeners in this country. Continue with the good work, Mr. Announcer of 2YA.—M.P. (Napier).

I SHOULD like to voice my opinion, and, I think, the opinion of the majority of listeners, in opposition to "Homo's" remarks on 2YA's announcer. I may state that I consider this announcer to be one of the best I have heard over the air, either in New Zealand or from overseas stations. I assume that the majority of listeners prefer an announcer whose voice may be heard clearly and distinctly, and also imparts a pleasing radio personality. Undoubtedly "Homo" would rather have an announcer who adheres strictly to the "King's English," even if his voice were utterly unsuited for broadcasting purposes; I suppose "Homo" could understand this class of announcer, but, unfortunately, all listeners are not educated up to this high standard, and would rather have 2YA's announcer just as he is.

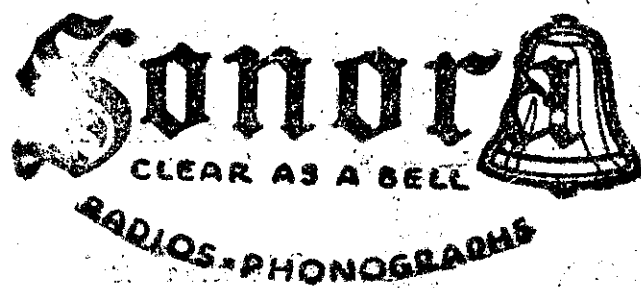
Perhaps if "Homo" gave a practical demonstration of the King's English, combined with radio personality, some evening, he might convey to the listeners the idea of a perfect announcer. I am sure many of the listeners (including myself) would be only too pleased to forward to him much valuable criticism and many useful hints if he attempted such. I say, carry on good old 2YA announcer, and please the easy-going majority and not a few fanatical faddists.—Practical (Pukekohe).

MAY I, through your excellent little paper, express my deep appreciation of the pleasure I have received through listening to the announcer of 2YA. I was amazed at the letters which have appeared in your paper and the local Press in regard to this. When I heard that he was coming back to 2YA after an absence, I was delighted, as I had enjoyed his announcing for about eighteen months prior to his departure. I may say that I have travelled extensively, and I think I may claim to have some knowledge of the human voice! in fact, I have made a study of the subject. I have never met the gentleman in question, and have therefore no cause to champion him, but as I have honestly enjoyed him, I feel compelled to express another side of the question. What we need is less destructive and more constructive criticism.—(Miss) D. Day.

AT the request of many of my friends might I respectfully suggest that your paper, "Radio Record," ceases to publish "criticisms" from clients apparently suffering from the blues? "Homo" in your last issue attacks the announcer at 2YA and objects to his good-night, meanwhile squirming at his English. Radio is popular in this area and reception from 2YA is generally excellent.

Many owners of sets and other less fortunate friends have remarked on the pleasant voice from 2YA, and especially the famous "Good-night." Might we suggest to "Homo" through your "Mailbag" that he disposes of his set and purchases liver pills with proceeds, so assisting himself to refrain from criticising a gentleman who is carrying out his duties in a capable and pleasant manner.—James G. Heath (Motueka).

I NOTE replies from "Masterton," H. J. Findlay, "Fernleaf," and R. S. W. Hunt. What made these correspondents think the cap of my criticism fitted the announcer of 2YA? I never



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mentioned any broadcasting station, nor was I specific in any way. . . —Homo.

[We have curtailed Homo's letter as we do not think it desirable this correspondence should develop along certain lines.—Ed.]

Foreign Stations.

COULD you kindly enlighten me on the following points:—What is Bombay's call sign? At 3 a.m., September 10, I heard that station—the clock striking 9 o'clock, followed by "Bombay calling," and a forecast of Indian weather conditions. The wavelength was about 370 metres, just beside 3LO. At the same time I picked up two other stations, one on 406 metres, which I took to be KZRM, and which was not coming in too clearly, and one on about 468 metres, somewhat like the Jap. stations, at good loudspeaker strength. In the latter a lady was giving a monologue or singing with something like a piece of tin rattling at frequent intervals, which I took to be applause from the audience, but which might have been an accompaniment. There was also an instrument resembling bagpipes played badly out of tune. Bombay came in at good loudspeaker strength, and very steady while I was on him.—J. (Hokitika.)

[7BY, Bombay, is given as operating on 357.1 metres. It is fairly often heard in New Zealand, likewise the Calcutta station 7CA, on 370.4 metres. List of Jap. stations was published last week on p. 11, and KZRM works on 406 metres.—Ed.]

A Model Programme.

I SHOULD like to "second the motion" of your correspondent "J.K." of Trentham, in his protest against performers who have a lease of the 2YA studio, and are inflicted upon the long-suffering listener-in with unfailing regularity. Much more use could be made of the many excellent instrumentalists of which the orchestra is composed, and their musical efforts would be greatly appreciated.—J.H.T., Brooklyn.

Area of Distortion.

I WAS interested to read a letter in your issue of August 31 from Mr. Y. C. Holmes, of Masterton, regarding Station WENR, Chicago. I may mention that on the evening of August 19 I also picked up this station very clearly on only a 2-valve dry cell operated receiver. Both speech and music were very distinct. I have noticed some letters in the "Record" complaining of distorted reception from 2YA at night, though it is clear in the day-time. In this district a similar result is obtained from 1YA. On Sunday night (2nd inst.) it was interesting to receive the rebroadcast of 1YA from 3YA, which came through very clearly, yet on tuning in to the same programme from 1YA direct, the signals were, as usual, very distorted. Apparently a distance of about 60 miles from a broadcasting station causes these results. I am situated on the East Coast of the North Island (Bay of Plenty), the distance from Auckland in a straight line being 62 miles. Another point of interest is that the Dunedin station 4ZL can be heard clearly here, whereas reception from 4YA is poor. By the way, I sincerely hope that the voice of Mr. Ball will sometimes be heard again from 2YA. His weekly lectures on Imperial affairs were always most interesting. Let us hope they will be

continued at an early date.—Phillip Williamson.

Re-Broadcasts.

THE re-broadcasts during the last week, from Sydney, America and Holland point to the wonderful strides made in short-wave reception in the last year or so. As the owner of a multi-valve set, I have been tempted to branch out into the fold of short-wave listeners, but have now paused to ask the question whether the howling that went on on the short-wave band during the past week is the usual accompaniment to short-wave listening-in. Compared with the howling transmitted by 2YA, the stations at Auckland and Christchurch were fairly free of this bane. Is it that 1YA and 3YA, being located in city areas, are rather removed from this nuisance, and that there is a nest of howlers located in the vicinity of 2YA's short-wave receiver? Saturday's re-broadcast by 3YA of 4YA on the occasion of the New Zealand v. New South Wales second Test was a happy thought. The Dunedin station was coming through at very fair speaker strength, and was making quite a good job of it, but the re-broadcast by 3YA must have been appreciated by those listeners who were enterprising enough to ascertain how really enterprising the Broadcasting Company can be.—Hutt Valley.

What a Miscellany.

WHAT a mixture of censure and appreciation your mailbag contains—certainly what pleases some displeases others. One does not like certain items, another certain stations, some think the programmes too limited, and in the last issue the announcers are criticised. Ah, well, no pleasing everyone, but I should say I am sorry I missed the 2YA announcement that Mr. Coates attended a dog-fight and a "five-minute talk," followed—dear, dear, I am so fond of dogs, too. Personally, I think "Listening-in" (Rangataua) must have radio dreams to put the matter mildly. Away from neighbours, with only a weekly mail service. I am always tuning in to 2YA because the announcer gives such a splendid summing-up of the world's news. These unfortunate people who find fault can switch on to another programme without disturbing the audience; no need to be a martyr, for the world is wide in radio.

What I really have written for is to express my appreciation for the splendid programmes given by all the YA stations. Only a person who has had any experience in organising and working up a concert can realise what time and care is spent in preparing programmes. To the Broadcasting Company many thanks.

By the way, how is it that I get very little static (elevation over 1000 feet), yet down in the low country it is very bad? It has been suggested that I am in a pocket or airbag. Is this possible? I find 2YA gives perfect reception here; 1YA, 3YA and 4YA good, but not so good as 2YA. I also think 2YA Instrumental Trio and orchestra second to none.—King Country Listener.

Effect of Location.

I ENJOY every hour of radio, and I think that if some of the town listeners, who do most of the criticism, were to come out to the country for a while, they would also appreciate radio a little more than they do, as I think the Broadcasting Company are

doing their level best to satisfy every listener. I think the programmes from all four stations are of a very high standard. Wishing you the best of success. From a satisfied listener.—C.G.R. (Mariri).

The Once Over.

JUST a few lines to give my opinion of your stations. Auckland and Christchurch are by far the best, next comes Dunedin, very fair. Wellington is only worth listening to in the afternoon; in the evenings the station has no power, and is also very rough most of the time. Most of those whom I have mentioned 2YA to say it is the worst station we have. A few months ago this station was fair, but has recently become very poor. The programmes are very good and I would like to congratulate the company on the stand they have taken with regard to the broadcasting of the races. The "Radio Record" is an excellent paper and is just what B.C.L.'s want. Hoping for an improvement from 2YA shortly.—H. R. Robinson (Rotherham).

Broadcast of Eucharistic Congress.

MAY I, through your columns, congratulate, and at the same time, thank the Broadcasting Company for the very fine performance put up in connection with the re-broadcasting of the proceedings of the 29th Eucharistic Congress held at Sydney during last week. A re-broadcast of every

function of importance was attempted, and, although not completely successful in the case of the morning ceremonies, which, by the way, were open-air functions and not as suitable for signal strength as those held indoors, still serious attempts were made, and efforts were not relaxed until after from half an hour to one hour's endeavour. It was unfortunate for crystal set and small valve set owners that it was not possible to continue the re-broadcast of Sunday's wonderful procession and Solemn Benediction right up to its termination with the stirring address of the Papal Legate. However, by the time 2YA had to change over, 2BL was coming through at good speaker strength, and owners of multi-valve sets who transferred to that station were rewarded with a most vivid description of the most solemn moments of the whole congress. New Zealand Catholics shared with their co-religionists of Australia the position of hosts for this congress, and for those who were unable to attend the action of the Broadcasting Company in enabling them to attend in spirit, at least, is to be commended, and is fully appreciated.—Catholic Layman.

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Eliminators.

THESE are becoming increasingly popular with those who can harness their sets to the power mains, but they are not playthings. Remember that 230 volts enter them, and if not properly connected may cause a nasty shock as well as a nasty mess in the set.

A case of what can be done through lack of knowledge recently came before a local dealer, when a set, refusing to function, was brought in. It appeared that an eliminator had been connected to the set, and on turning on the power something seemed to go wrong—a spark, a splutter, and no more.

On examination it proved that no fewer than ten bi-pass condensers had been burnt out. These are not easy to fit, with the result that someone has to pay. Usually it is the set owner.

Like everything else in radio, eliminators are extremely valuable if left alone when set going by the dealer. Under these conditions, or when installed strictly according to instructions, they function perfectly.

If the set owner does not feel confident to install his own eliminator, he is well advised to get it done for him by his dealer, who will see that he is guarded against such mishaps as these.

It is worth noting that the Fire Underwriters require that the eliminator case be earthed.

Prices.

IN most cases, the prices of radio equipment are standardised, and when a certain price is asked it should be realised that it is the standard.



Those unacquainted with their sets and who are often troubled with quite simple problems will find in these columns from week to week notes on the elements on radio.

certainly not above it. Similarly with service. If it is worth calling a man it is worth calling an expert, and as such he must be paid. An incident in this respect is worth noting: A radio enthusiast, desiring to keep up with the times, went to purchase a screen grid valve, tendering 5s. Nothing would convince him, when the retailer asked the usual price, that he (the dealer) was anything more than a cringing profiteer. He had seen them advertised at 5s. !!!

Crystal Sets.

A LITTLE incident which occurred recently serves to illustrate a misconception regarding crystal sets. A would-be wireless enthusiast purchased a well-known make of set, only to be very disappointed. He could get only the local station.

On being told that is all that could be expected of such a set, he expressed great dissatisfaction. An owner of such a set in England could bring in several stations, including Paris—why couldn't he bring in at least IYA, 3YA, and the chief Australian stations.

Doubtless this question worries many, but its explanation is simple.

The B.B.C. plan through co-operative organisation to place at least two stations in the range of crystal owners in all but the most remote districts.

South of Manchester, there are five stations (broadcast) over 1500 watts. These include two stations at Daven-try, both 25,000 watts, and London with 5000 watts. Paris, 200 miles from London, operates with 5000 watts. These could all be heard on a good crystal receiver.

Compare this with New Zealand's four well-separated stations—1YA (500 watts), 2YA (5000 watts), 3YA (500 watts), 4YA (250 watts). The factor of distance must be allowed for.

Amplifiers.

WHEN one or two valves are added to a crystal it is not to be expected that, as far as distance getting is concerned, the set would be equal to a three-valve or even a two-valve set, without a crystal.

Primarily, an amplifier is intended to put the local station on the speaker at satisfactory strength. Cases are, however, quite common where even Australia has been brought in—off the 'phones only.

When the crystal set so amplified fails to bring in other stations it does not indicate any fault; it is merely the normal state of affairs.

Lightning Arresters.

AS is generally known, the inclusion of these between the aerial and the earth is compulsory.

Shortly after this measure was taken a local dealer had a humorous if not an illuminating case of misapprehension. In accordance with the regulations, a customer had purchased an arrester and installed it. A few days later the customer, very distressed, returned to the dealer complaining that his lightning arrester was not "working properly."

On being questioned, the youthful purchaser, having described how he installed it, ended: "I am quite positive it won't work. I have watched it now for a very long time and not one flash of lightning have I seen in it!"

AT 1YA.

TUESDAY, SEPT. 25—Uncle George has to go to Wellington so Uncle Pat is in charge to-night. You remember Uncle Pat? He always tells you to brush your teeth before going to bed. The Farmer's Boy will also be present with some of his jolly songs, and cousins will play and recite.

WEDNESDAY—Ho! Ho! Uncle Tom! We're in for a merry hour for Uncle Tom has the Sunshine girls with him and they will have merry choruses to sing and Uncle Tom will have merry tales to tell.

THURSDAY—Peter Pan and the ever-popular Bayfield Choir will entertain this evening. Birthday greetings and Radio Postie as usual.

FRIDAY—Stories, songs and birthday greetings for the Radio Family from Nod and Aunt Jean to-night, also cousins singing and reciting.

SATURDAY—What have you for us this evening, Cinderella? Why, Cousins Betty and Nola are playing their winning duet at the Competitions, and other pieces. Cousins Eileen and Nellie have some songs for us, and altogether we are looking forward to a happy hour in Radioland.

SUNDAY—Children's Song Service conducted by Uncle Leo, assisted by cousins from the Mount Albert Baptist Sunday School.

Children's Sessions

AT 2YA.

MONDAY, SEPT. 24—To-night the girls from Queen Margaret College will sing. They will be conducted by Mr. Len Barnes. Uncle Jeff will greet the birthday folk and puzzle them, and Aunt Gwen will also be there with her story book.

TUESDAY—The pupils of Miss Rose Carte to-night. They have won prizes in the Wellington Competitions so they must be clever little people. Cousin Zac will play his steel guitar and Cousin Orma has some violin solos which all will enjoy—and of course, birthday greetings from Big Brother Jack.

THURSDAY—The Junior Red Cross will give you of their best to-night. There will be girls and boys to sing the happy chorus. Birthday greetings and bedtime stories from Aunt Gwen.

FRIDAY—Friday to-night well Friday brings Uncle Ernest with his stories and poems and happy greetings. Music, too, by such clever little cousins.

SATURDAY—To-night Uncle Toby and Aunt Gwen will do their best to entertain you little ones.—I wonder what they will do—perhaps Uncle Toby will sing and

play his mouth organ, and Aunt Gwen will tell a story or read a poem, and then will come the good-night song: "Good-Night Little Children—Good-night."

SUNDAY—The Children's Song Service will be conducted by Uncle Ernest assisted by the Brooklyn Methodist Sunday School under Mr. A. Gittings.

AT 3YA.

MONDAY, SEPT. 24—Scatterjoy will take you all "Through the Streets of London Town. "Soon we'll be in London Town, sing my lad, yo, ho." Listen to the quaint street calls of hawkers and costers. Appropriate songs by Cousins Ivor and Joan.

WEDNESDAY—To-night you are going to hear the story of "The Princess of Poppyland," told in song and chorus by the pupils of the Technical College. Mother Hubbard and Uncle Peter here to tell you stories and call birthday greetings.

THURSDAY—Chuckie and Aunt Pat and a group of little singers and reciters will be in the studio to-night—so you know there will be something good to listen to. Cousin Victor will sing "The Lowland Sea."

FRIDAY—Big Brother on deck, and the pupils of the Addington School in songs and choruses. Major Ashworth will give another interesting talk about the scouts and their doings.

SATURDAY—Uncle Sam and a group of little folks will keep you merry and bright for this bed-time hour.

SUNDAY Children's Song Service, conducted by Uncle David. And we are to have some beautiful records of sacred singing.

AT 4YA

TUESDAY, SEPT. 25—This is a mouth organ night. Mr. W. Morgan can play splendidly, and has won many prizes; to-night he is going to try and win the best prize of all—the cordial liking of Brother Bill's large radio family. There isn't the slightest doubt that he will do it, too. Stories by Brother Bill of an unusual kind, letters, and the Radio Postie.

FRIDAY—The Boys' Division of the Y.M.C.A. will be on the air to-night, with Mr. Jack Ledgerwood, their leader. They sing well together, and some of them give perfectly stunning recitations. Also there will be a trip on the Time Scooter to see one of the wonders of the British Empire. Does any member of the family know where asphalt comes from? Take a trip in the Time Scooter to-night and see for yourself. Letters, and birthdays as usual.

Notes and Comments

By "Switch"

THE flight of the Southern Cross from Sydney to Christchurch did not provide the thrilling night most listeners expected. Terrific static and the break-down of the plane's radio equipment rather marred the big event. Then there was the Press Association copyright, which precluded the broadcasting of the messages from the plane. Still, if reception from Australia had not been murdered by static a considerable amount of stuff would have been available from the Australian stations, providing the radio equipment of the fliers had managed to keep going.

MANY hundreds of listeners sat up throughout the night with the hope that something interesting would turn up. The broadcast from 3YA, Christchurch, of the arrival of the Southern Cross must be placed on record as a great performance from every standpoint. The same can be said of the broadcast by 3YA of the returned soldiers' evening with the very gallant fliers as the guests. Many a home in Wellington rang with laughter that night at the humorous remarks and witty retorts.

WELL, if we did not get much reception from the actual flight from Australia, perhaps we will do better when the Southern Cross proceeds on the return trip. The short-wave station 2ME, Sydney, will no doubt be on the air to overcome the sunlight effect if the flight is carried out in the daytime, as proposed.

THERE was one feature of the Eucharistic Congress broadcasts from Sydney, which came in for much adverse criticism among listeners, and that was the ceaseless chatter of the announcer at the Royal Agricultural Show Grounds on the occasion of the "men's night," when some very beautiful singing was heard, in addition to a masterful address. The announcer and another man with a peculiar accent kept up a continuous babble, interfering with remarks by Father Herlihy, the conductor of the vast multitude of singers, and even butted in while the singing was in progress. The nature of these announcers' remarks were of "the greatest show on earth" type, and were frequently a vain repetition, especially regarding the unhappy experience of Father Herlihy, who had recently had an eye removed.

A SPEAKER at the recent meeting of the Amateur Radio Society of Wellington complained that listeners would pay as much as 70 or 80 pounds for a broadcast receiver, yet begrudged 15 or 20 pounds for a first-class short-wave receiver. A member replied that this could be readily understood when it was realised that in the evenings, the time most convenient for broadcast listeners, there was no entertainment available on the short waves, whereas a good multi-valve broadcast receiver could bring in about a dozen different stations on the loudspeaker. This was a fairly accurate statement of the position, and no doubt the almost entire

absence of short-wave entertainment in the evening is keeping back the popularity of short-wave work among broadcast listeners.

CONTENTIOUS matter is wisely barred from being broadcast in New Zealand, for listeners would soon raise a mighty protest against imaginary favouritism. In England it was decided, a few months ago, to permit representatives of the three political parties to have their say before the microphone. The latest Home mail brings news that a conference between representatives of the British Broadcasting Corporation and the three political parties, with a view to arriving at an equitable agreement, had broken down. And so the lucky listeners have none!

THE writer is often asked whether the lead-in end of an aerial should be lower than the free end of an aerial if it is not exactly horizontal, and he has always insisted that the lead-in end should be the lower. The Melbourne "Listener In" says:—"Very few aerials are perfectly horizontal. Perhaps one end is only two or three feet higher than the other, or the aerial may have a decided slope to one end. It is important that in such cases the lead-in be taken from the lower end. At the same time it is unwise to take the lead-in from the end of the aerial furthest from the set should that happen to be the lower end. In the first place the lead-in will be unduly long, and, secondly, it will tend to cause the aerial to oscillate. The remedy is to arrange to have the lower end of the aerial nearest the house, if that be possible."

THE Commonwealth P. and T. Department has come in for a good deal of criticism for its failure to provide good telephone lines for broadcasting relay work. The Melbourne "Argus" says:—"Many cases could be cited in which telephone lines supplied by the department have not been above criticism. It has become quite clear that the time is at hand when broadcasting organisations must be regarded as important customers of the telephone department, and the sooner that arrangements are made to meet their special demands without annoying delays and failures, the sooner will programmes approach the same standard as those in Great Britain and the United States."

A Wellington company's enterprise has resulted in the production of an electrically operated gramophone of more than usual merit. The most interesting feature of the machine is the combination of a gramophone electrical mechanism and electro dynamic speaker. The gramophone is operated from the electric mains without the aid of batteries; is contained in the same

cabinet as the speaker, which is of the new dynamic cone type. The same cabinet contains the battery eliminating electrical equipment. The gramophone motor, electrical "pick up," which is of the magnetic type, and volume control device, are contained in a handsome console cabinet.

A speaker at the recent meeting of the Amateur Radio Society of Wellington, stressed the growing importance of Morse code. As a matter of fact, Morse will be gradually superseded by the development of the radio photogram service, which not only tends towards greater secrecy, but quicker dispatch. A letter is sent by radio-photography and reproduced in facsimile form at the receiving end without the use of Morse.

A report from Home states:—"The scope of wireless facilities existing between Great Britain and the United States has been extended considerably by the establishment of a regular service for the wireless transmission of photographs, drawings, signatures, business letters, and facsimiles of all kinds. The transmission of a photogram five inches long by three inches deep, from London to New York, costs about £10. For repetition beyond New York an additional charge of about £9 for every picture five inches by seven inches must be paid. It is understood that the wireless companies concerned expect a steady development of the photogram traffic, and when this occurs, a substantial reduction in rates is likely."

FOR the loud speaker to be able to give pure reproduction, it must be capable of responding equally to all frequencies within the limits of the human ear, that is to say, from about 30 per second up to 10,000 per second. To attain this end, the cone speaker has been designed and developed; but if low bass notes are to be heard, the cone must be large. It is useless to expect to hear bass notes from a small cone. This does not apply to the electro-dynamic loudspeaker, in which depth of tone is reproduced by the amplitude of the vibrations and the slowness of the vibrations obtainable through the moving coil principle.

MISS Marjorie Allomes, who has made herself widely known as a singer at IYA, Auckland, has been on a visit to Sydney, and has sung at the studio of 2BL.

BROADCASTING, instead of mere Morse transmission is now capturing the fancy of Melbourne amateur transmitters. An experimental broadcasting competition on ultra short waves has been organised among Melbourne amateur transmitters. The committee appointed to carry out the technical judging has completed the main details of the job and about 17 applications have been received from stations who intend taking part. These stations may be heard testing on short waves and adjusting their apparatus almost any evening. All stations are keen on the work, and the judges will have a by no means easy job to decide the final seven, let alone the winning station.

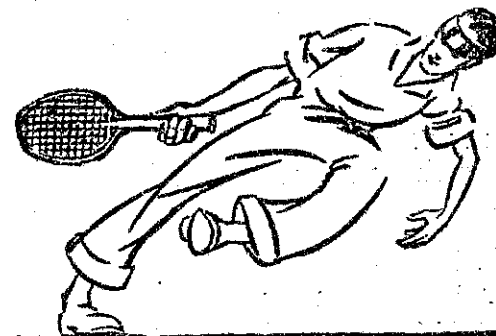
NOW that Mr. H. P. Brown, Director of Australian Posts and Telegraphs, has returned from abroad, it is probable that the new Commonwealth Government wireless committee, inaugurated during his absence, will meet immediately to decide on the future of broadcasting in Australia. It is not the intention of the Government to cancel the leases outright, but to effect certain working adjustments which should improve broadcasting generally.

AT a recent examination in England a public school girl, as a subject of an essay on prominent persons, was requested to state whom she would like to meet. She chose three celebrities in the following order: the 2LO (London) announcer, the Prince of Wales, and Marconi.

AN inverted "L" aerial gives better strength when its free end points away from the station from which maximum signal strength is desired. This means that the lead-in would come from the end of the aerial nearest to the objective station. If possible to use a high aerial, such will be found better than a low one with directional qualities.

THE recent cabled report from England that photographs were about to be broadcast so that listeners with inexpensive additions to their ordinary sets could see the photos, does not imply that the broadcasting of actual moving scenes is any nearer. The Baird system claims to reproduce moving scenes such as a person speaking, smiling, performing card tricks or juggling. Experts are far from convinced of any success of the Baird system.

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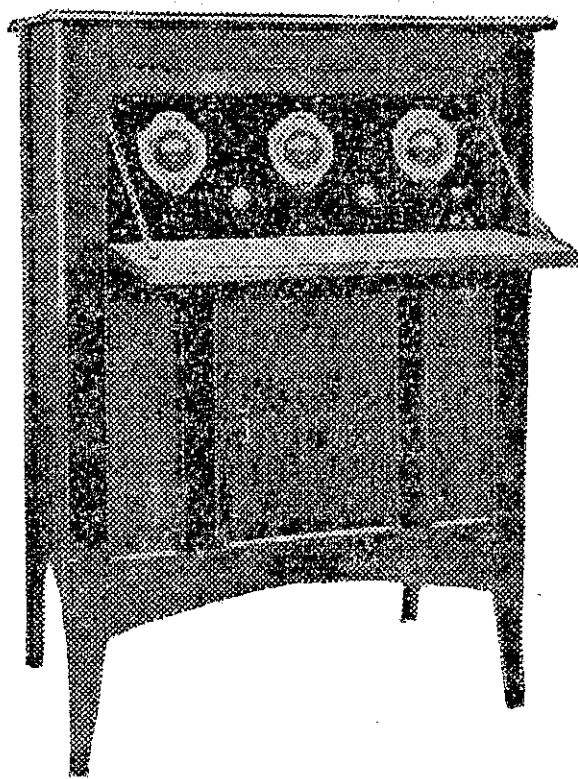
AN enthusiastic South Island constructor, writing under the nom-de-plume "Satisfied Constructor," forwards a photograph and report of the 2R.F. Browning-Drake receiver which he has constructed, including the amplifier in the same cabinet, making the complete 5-valve set. The cabinet certainly does our correspondent credit, and extracts following from an interesting and lengthy report show that reception performance is correspondingly good.

I BUILT the 2R.F. Browning-Drake recently described by you and you will be interested in the following report. The volume is tremendous, and it beat a 7-valve neutrodyne for distance and volume, both tested out on the same aerial (a 37-foot high 60-foot long T), but before I secured these results I had a bit of trouble, which one can only expect when making up a new circuit. I altered the lay-out slightly and instead of a wood base-board with copper covering I made up a solid brass (1-16in.) base with sides turned down 1½in. I think for all the extra expense it would be far better for constructors to carry out this plan.

"I wound all the coils with No. 22 D.C.C. wire supported with celluloid strips. I did not space the turns, as I considered the covering to be sufficient, and from results I think it is. The tuning condensers are W.R.C. The neutralising condensers are also W.R.C. midgets with all plates re-

moved except one fixed and one moving. I am using a rotating tickler.

"Audio is transformer coupled, all built on the one base, making a complete receiver. The panel is a fornier 24 x 8½ x 3-16in. with a 26-gauge copper shielding on the back.



"When I finished building it and switched on, all I could get from it was a high-pitched whistle. If I coupled a .002 condenser across the grid of first audio valve to A—the whistle stopped, so I took out the first audio transformer, an All-American 5-1, and

fitted a Jefferson 2-1 in its place; the whistle stopped. I still retained a 3-1 All-American in last stage, so I tuned in 3YA, and then neutralised. No signal would come through, even with the tickler turned full in. I considered this a good test, but when I tuned in a low-powered station in Sydney and pushed the volume up with the volume control with tickler set well back, the R.F. valves would oscillate, so I went over the balancing again but it was all the same, so I tried connecting a No. 2 Emmcostat between grid and N.C. of first R.F. valve. That gave it full volume and better tone. I am using 16 turns No. 30 enamelled bunch-wound primary and 3 Mullard P.M.5X valves, 1 Geco first audio and a P.M.6 last audio.

"I am using a Philips power-plus B eliminator and a Philips baby grand loud-speaker, which are splendid instruments.

"There is very little background noise and in between items it is so silent that you would have to stand with your ear to the speaker to hear any hiss. You might think I am 'stretching it,' but it is true. It is a wonderful distance-puller. I heard 1ZQ, Auckland, at good speaker strength on Thursday, August 30. I never heard this station before, even when using an 8-valve super-het. In two nights' searching have heard 21 stations, including three Japs."

The "A" Battery Charger.

A CORRESPONDENT writes asking how the charger outlined on September 7 can be adapted to use on 110-volt (Wellington) supply. The charger in question is intended for use on a supply of 230 volts, 50 cycles, the New Zealand standard, but for use on 110 volts the primary is wound with the specified turns, with the addition of a tap at the half-way point. In actual practice it would be advisable to make two taps, at the 530th and 550th respectively, so that the one giving the best result may be used. Connection is then made to the commencement of the primary, and to one of these taps. The remainder of the winding is not used, but is there ready for the change-over to 230 volts, at which time the whole of the primary winding will be used, and the half-way taps discarded. Secondary and filament windings will be the same for either mains supply. Another plan is to arrange that the two portions of the primary have the same number of turns, and to connect the two halves in parallel for 110 volts. This would mean bringing out both ends of each primary winding separately, and arranging that any taps taken were over the same number of turns in each half. The two beginnings would be connected to one mains lead and the two ends to the other.

Extra Primary Taps.

OWING possibly to slight modifications in construction, error in counting primary turns, and other causes, there have been cases where constructors have not obtained full voltages expected from the secondary windings. To compensate for possible differences, constructors are advised in every case to take two or three taps in the primary winding at say, 970, 1000 and 1050 turns, as by employing a lesser number of turns the output voltage may be increased, as a greater magnetising current is used, but this must not be carried too far, or the charger will not be economical of current. Some experimenters will prefer to fit a switch to vary the number of turns, otherwise the best position may be found by trial, and a permanent connection made.

THE original charger was designed with the maximum number of primary turns for economical working, but a considerable number of turns may be cut out with very small increase in current consumption. The extra trouble of taking taps as recommended will be found worth while by experimenters.

For ordinary charging purposes the secondary taps shown in the original charger are not an absolute necessity, but were provided so that experimenters could make use of the transformer for other purposes. For charging only, the whole of the two secondary windings may be permanently connected up, the resistance lamps automatically regulating the output to suit the battery being charged, from 2 to 12 volts.

Ordinary iron cannot be used in place of the stalloy prescribed for the core, as the turns specifications are quite different for black iron, which is not nearly so efficient as stalloy.

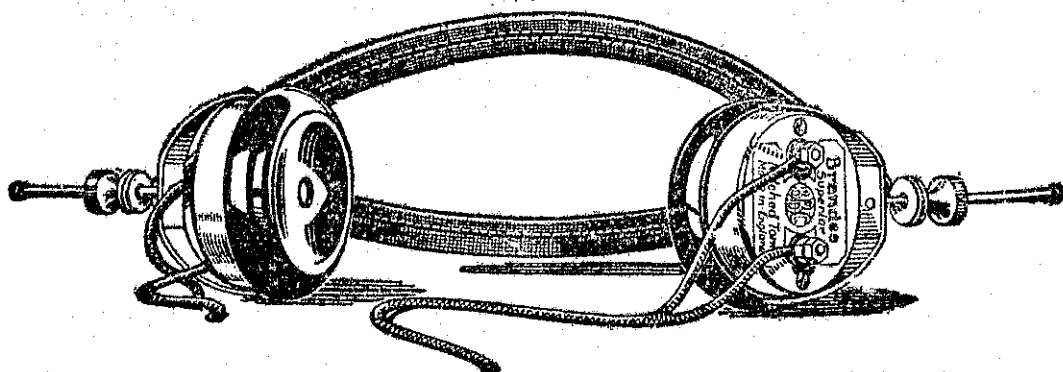
If, through some fault in construction, a transformer does not give at least a total of 40 volts over the two secondary windings, it is possible for the primary turns to be reduced and the output voltage raised by the following method:

Take out the stalloy strips and remove the spool end at the side where the primary ends. Carefully pull out the wire, removing about 50 turns, cutting off the surplus wire, and passing out the end for the finish of the primary. Then secure the spool end in place. If found necessary, the other spool end may be removed, the beginning of the last layer pulled out, and a tap soldered on. If this does not effect the necessary improvement, the transformer should be rewound and a careful check made when counting turns. Unless a revolution-counter is used, the turns on each layer should be carefully counted after the layer is wound, and noted on paper, so that when the last layer is reached the total may be added up and the exact specified number of turns put on.

CONSTRUCTORS must recognise the importance of correctly counting turns. The constructor of an eliminator transformer, writing recently to

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say that it was not delivering the expected voltage, frankly confessed that he did not know how many turns were on the primary.

Many constructors have had success with the charger built as specified, and these latter remarks are for the assistance of the odd ones who from some cause or other have not obtained the expected results.

Shellac and Laminations.

DO not be tempted to dispense with shellac on the laminations, for a great deal of energy can be wasted if there is electrical connection from plate to plate across the section of the core. Incidentally, too, the shellac deadens any mechanical rattle that may be present through looseness of laminations.

Improving Small Cone Speakers.

THE following method of improving cone speakers of small size is taken from "Radio News," and will doubtless interest many owners of such speakers.

"In this day of high-quality broadcasting, the listener using a speaker

"The drawing will serve to show the constructional details of the small cone speakers referred to, all of them being constructed in this manner, or one similar. In all instances, the paper cone is as large as permissible, extending down to the base of the speaker. At first thought it would seem the cone could not be made larger, because of this fact. However, by using a cone of the eccentric type, this obstacle can be overcome. With the peculiar shape of the eccentric cone, it need not be as large as the usual circular cone to achieve the same result from a musical standpoint.

"In the table below the dimensions for any desired size of cone are given. As the "short" side of the cone can extend down only to the base of the speaker, the cone conforming to this limitation should be chosen. For best results, the cone should be constructed of the special paper made for this purpose. However, any paper heavy enough to be self-supporting will serve quite well.

"The paper should be spread out on a smooth surface, and secured by a tack in each corner. The circular outline 'D' is then drawn with a pencil, using a piece of string as the compass. The circle 'E' is scratched on the surface of the paper, using a large blunt-pointed nail as the scratching tool. This line must be scratched quite deep: care being taken to see that the paper is not cut through, however. The paper is glued together along lines 'A' and 'B,' and the outer edge of the resulting cone is then bent back to about a 45-degree angle along line 'E,' thereby making it self-supporting. Finally, the small cone 'F' is glued to the apex of the large cone, which will then be ready for use.

"The following dimensions will be found suitable for the respective sizes of speakers:—

Diam. Cone. Inches.	Line 'H' to 'G.' 'A-H' and 'B-H.'	Lines Inches.
20	8	2
22	8½	2½
24	9½	2½
26	10½	2½
28	11½	3

"The distance from 'E' to 'D' is half-inch regardless of the size of the cone; and the small apex cone 'F' is also of the same dimensions in all cases.

"The improved reproduction obtained by the use of the larger cone will repay the builder many times over for the time spent in remodelling the speaker."

Tips and Jottings

The Double-Roll Loud-Speaker.

"MEGOHM" will be pleased to hear from constructors of this speaker as to its performance. It is undoubtedly capable of very fine reproduction, giving more even amplification through the scale than is the case with many speakers.

A Coil-Driven Loud-Speaker.

A VERY fine example of the dynamic or coil-driven loud-speaker is now being demonstrated at the International Radio Company's premises, Wellington. The Kolster Power Speaker is enclosed in a handsome console cabinet with grille and gauze front. In addition to the speaker it-

self, there is included a B eliminator, which excites the field magnet and also supplies B. current for the receiver. A two-stage transformer-coupled amplifier is also included in the cabinet, a 7½ watt tube being employed in the last stage. The eliminator must supply a comparatively heavy current, and is therefore equipped with two UX281 half-wave rectifying tubes, and in addition there is a ballast tube to compensate for variations in line voltage. The whole outfit operates by connection with the A.C. mains. Needless to say, reproduction is very fine.

Radio Parts Direct From Factory.

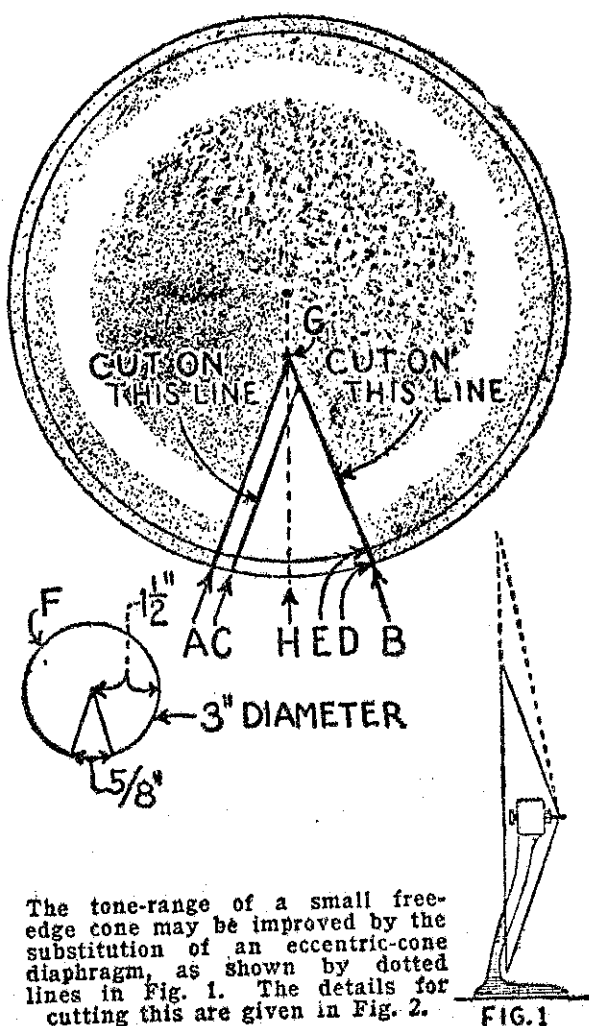
THE General Radio Company, Cambridge, Mass., U.S.A., recently instituted a system of dealing direct with the consumer, and as they manufacture many lines of interest exclusively to experimenters, an opportunity is presented to the latter of obtaining apparatus that would otherwise be very difficult to acquire.

Paint Earth Plate Contacts.

WHEN an earth wire is soldered to a metal plate to form a buried earth plate, the joint should be thickly painted or tarred in order to lengthen the life of the joint. This precaution is especially necessary when tins or thin iron plates are used.

Holes in Sheet Metal.

DIFFICULTY is sometimes experienced in drilling holes in sheet metal used for interstage screening, especially if the material is thin. As a rule it will be found easier to punch the hole; provided a soft metal such as copper or aluminium is used there is no need for any special tool, as a rod of steel or even brass with one end filed square will serve quite well. It is essential, however, that the sheet in which the hole is to be made should be rested on the end grain of a piece of hard wood or similar material.



The tone-range of a small free-edge cone may be improved by the substitution of an eccentric-cone diaphragm, as shown by dotted lines in Fig. 1. The details for cutting this are given in Fig. 2.

FIG. 1

that does not reproduce the entire musical scale, or nearly so, is missing a great part of the joys of radio. The broadcasting stations have improved the quality of their transmitters, and radio reproduction is excellent—providing the receiver and reproducer are of the proper design.

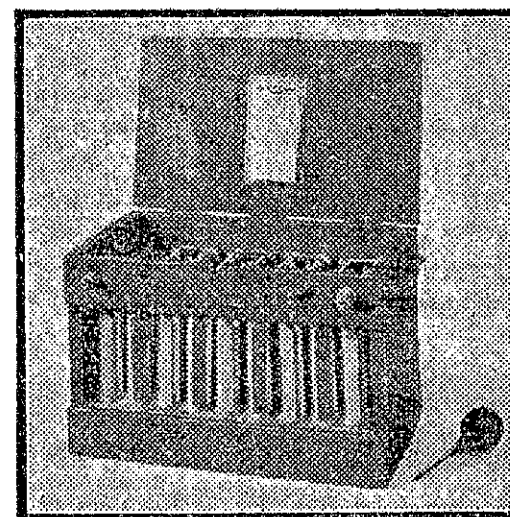
"The large cone speaker is capable of reproduction of the highest order, and when driven by a good radio receiver, will please the most critical. The users of the thousands of small, free-edge cone speakers sold during the past two years will be interested in learning of a simple, inexpensive way to transform these speakers into reproducing mediums that will compare very favourably with any of the speakers recently placed on the market.

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Silicon v. Nickel for Audio Transformer Cores

Improvements in Design.

AN interesting article bearing upon the improvement of audio transformers appears in the latest issue of the General Radio Experimenter, as follows:—

DEVELOPMENTS in loudspeakers made in recent months have resulted in instruments which have extended the reproducible range of frequency by some seventy-five to one hundred cycles downward. At the same time there has been a downward extension of the frequency range transmitted by broadcast stations. These factors have combined to revise the requirements for satisfactory performance of audio transformers. A year ago, there was little justification for audio transformers reproducing frequencies much below one hundred cycles, since none of the speakers then available were capable of producing an audible sound at such frequencies, even though it was present in the broadcast transmission, which it was not.

AS a result of these developments, the low frequency cut-off of audio transformers has been moved steadily until transformers are demanded which will amplify sixty, or even thirty cycles.

Why High Frequencies are Lost.

The design of such transformers has not involved any new principles, but rather the overcoming of practical difficulties involved in the adaptation of well-known principles. The problem of raising of the lower end transformer characteristic is primarily one of increasing the input inductance of the transformer, although the lowering of the plate impedance of tubes has had the effect of im-

proving the characteristics of transformers of earlier designs. The inductance of the transformer depends upon three factors, the number of turns of wire on the coil, the size of the core, and the permeability of the core material. The gain in inductance which may be had by adding primary turns is limited by the fact that the secondary turns must also be increased unless the turns ratio is lowered. The result is the loss of high frequencies as a result of coil capacity.

Nickel Cores.

THE high permeability nickel alloys are being used to an increasing extent for audio transformers. These alloys of nickel and iron have the property of high permeability at low flux densities, the conditions encountered in audio transformer primaries.

These alloys have, however, some disadvantages. The high permeability is maintained over a rather limited range of flux density, and falls off rapidly at higher or lower values.

Advantages of Silicon.

SIMPLY stated, such cores saturate easily. This difficulty is becoming more important as the plate currents of vacuum tubes are increased. A more serious objection yet is that the transformer is permanently damaged by an increase in field strength such as might result from accidental connection in a circuit without a "C" battery, or where a "C" battery was run down, or where the plate current was abnormally large for any other reason. Such temporary increase in flux through the core permanently changes the characteristics of the material. Silicon steel, on the other hand, is

not permanently affected by increases in flux. The frequency characteristics of the transformer is of course affected by core saturation while it exists, but the effect is not lasting. These considerations render the nickel alloy transformers particularly valuable for special laboratory work, or in commercial installations where care is taken to ensure proper operating conditions. The ruggedness of the silicon core type of transformer, however, recommend it for general experimental use where conditions are frequently hard upon delicate apparatus. All the electrical advantages of the nickel alloys may be obtained with silicon steel by adjustment of other factors in the design.

Importance of Coil Design.

IT was found that when the lower end of the characteristic had been extended as desired, by changes in the coil and core, there was a tendency to resonance at high frequencies as well as a falling off of amplification. These difficulties were overcome by changes

QUERIES BY CORRESPONDENCE.

1. Every communication enclosing queries is to be addressed to "Megohm," Box 1032, Wellington, and must be accompanied by a stamped addressed envelope for reply by post, otherwise no reply.

2. Questions must be written so that a space is left in which the reply may be added.

3. Queries regarding articles that have appeared in this page will have first attention.

4. Owners of bought receivers and apparatus should communicate with the dealer or agent in case of trouble arising.

in coil design. The resonance effects at high frequency are due to leakage reactance, i.e., flux not linking both primary and secondary coils, and by coil capacity. The loss of amplification at high frequencies is due to internal coil capacity, principally in the secondary. It was found possible to reduce both these effects by a form of coil construction which sandwiches the primary between two sections of the secondary. This type of winding not only reduces leakage reactance by increasing the coupling between primary and secondary, but also reduces the internal capacity of the secondary by breaking it up into two sections.

In the Type 585 General Radio transformers silicon steel has been used as a core material. The coils are of the sandwich type described above. The result of this construction is a transformer possessing a practically flat frequency characteristic from 30 to 6000 cycles.

Tips and Jottings

Use Good Resistors.

TOO much care cannot be taken in the choice of resistances for use in any part of a receiver, for there is no more prolific source of artificial "static" than faulty resistances.

R.F. Instability.

THE failure to stabilise an R.F. circuit may be due to a number of causes, the most common being short-circuited turns in either the primary or neutralising windings on the R.F. transformer, high-resistance contact between the transformer pins and sockets on the base, or faulty neutralising condenser. Should high-frequency oscillations find their way into the audio portion of the receiver, this trouble will arise, but incorporating an R.F. choke in the plate circuit of the detector valve should preclude this possibility. The components concerned should be carefully examined for any of the faults mentioned above, special attention being given to the neutralising condenser. Certain types have a rather high minimum capacity, but in most cases this can be reduced by stripping off a few of the plates.

High-resistance contact between pins and sockets can usually be traced to either dirty pins or sockets; alternatively, if the split type of pin is used, this may require "splaying out" before a good contact will result. A careful examination of the R.F. transformer will enable any short-circuited turns to be located.

Grid Leak to Filament.

IN some circuits it will be noticed that the grid leak is placed between grid and filament instead of across the grid condenser. It will be found in most cases that very little difference is noticeable whether the grid leak is connected directly across the grid condenser or from the grid to the filament. In certain receivers, however, it has been found that slightly better results are obtained by using the grid-to-filament connection. In this case the end of the grid leak farther from the grid of the tube should go to A positive in order to give the grid the positive bias necessary for grid-leak detection with special tubes.

If the detector is the first tube of the set and the grid return is connected to the positive side of the filament circuit, the leak may be used directly across the grid condenser, since the grid will obtain its positive bias through the tuning coil. The same applies when the detector tube follows a stage of radio-frequency amplification, if the grid return of the R.F. transformer goes to A positive. Since this is the usual connection of the grid return in most receivers, the placing of the grid leak across the grid condenser will probably prove most satisfactory.

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AUCKLAND

Glossary of Wireless Terms

From week to week we give here a section of the glossary of wireless terms from the "Listener's Guide."

OXIDE RECTIFIER.—Plates of metal having oxidous surfaces are clamped together and have the effect of only permitting current to flow through the system in one direction thus rectifying alternating currents. See 'Bulb Rectifier.'

PACK.—See "Kit."

PARALLEL.—Where current from a battery divides between two or more instruments and the whole current does not flow through each instrument in turn the connection is said to be shunt or parallel in contra-distinction to the second connection, which would be said to be in series.

In the case of batteries where two or more are connected with all the positives and all the negatives joined together the connection is parallel so that the total voltage is the same as a single battery. Where the positive of each cell is joined to each negative so that 10 batteries of 2 volts each gives a total voltage of 20 volts for instance the connection is series. A series-parallel connection is one in which a combination of cells or batteries may be joined in parallel, and then such groups placed in series. On the other hand a combination of cells may be joined in series and such groups placed in parallel. It is to be noted that batteries joined in parallel must be of equal voltage.

Semi-parallel connections of headphones or speakers may be carried out under certain circumstances.

PEAK.—A point in tuning at a given frequency where the most accurate setting, and consequently best results, are obtained. An efficient coil has a very pronounced "peak," or "optimum," effect, and the desired signals are lost within a very few degrees of condenser setting on either side of that peak. See "Selectivity."

PERIKON.—A form of crystal detection in which contact is made between two crystals, such as zincite and bornite.

PLATE.—An alternative term for the anode of the valve.

POSITIVE.—One of the terminals of an accumulator, battery, or cell. It is important in all cases and vital in some that the batteries should be correctly connected in relation to their poles, to the set; the point applies also to the 'phones. See also "Negative."

POTENTIAL.—A relative quality; best explained by an example: thus, the positive terminal of a 6-volt accumulator has a positive potential of 6-volt (or 6v plus) relatively to the negative terminal—which is, of course, 6 volts negative (or 6v. minus) in regard to the positive terminal. Difference of potential between an electrically-charged cloud and the earth (or between two clouds) causes a lightning flash, or "spark," when the difference is sufficiently great to break down the insulating property of the air. Any difference in potential can be expressed in volts.

Insufficient Talent.

Even Melbourne Exhausted.

CRITICS occasionally cry out for new talent to be heard from the New Zealand broadcast stations, but they never stop to consider the serious limitations imposed by the relatively small communities from which the Radio Broadcasting Company of New Zealand have to draw their performers. There are over 300 concerts per year broadcast from Auckland, Wellington, Christchurch, and Dunedin, and none of these cities has a seventh the population of, for instance, Melbourne. And yet the supply of the best talent in Melbourne has admittedly become exhausted.

A Melbourne radio writer says:

"Speaking to me the other day in the street, a critic of 3LO gave it as his opinion that the programmes could be better if we had a better class of singer. Well, that is a truism, of course, and I said so. 'I mean, why don't they pay the price?' asked the critic. 'And, then, the same with violinists and pianists. Why can't we get the best?'"

"That set me thinking. That was constructive criticism. I take no notice of the fellow who wants football and racing, and lashes 3LO because it puts on music instead. He means nothing but infernal selfishness. But this other chap was on a different tack and I began to think. 'What singers,' I pondered, 'are available for the radio, what violinists, what organists, whom the listening public have been denied the privilege of hearing?' For curiosity I began to think them out. The result was against the critic. Do you know that there is not a single top-notch art-

Australian

Broadcasting.

Is There Too Much?

THERE is a growing feeling in Australia that there is too much broadcasting over there. One writer says:—

"Are we getting too much broadcasting? When you come to think of it, it seems a little bit stiff to expect to get entertainment on the air from morn till dawn, so to speak. The difficulty of providing programmes that shall be reasonably fresh and non-repetitive is enormous. No one can appreciate how great the task is who has not been in touch with a studio.

"The trouble is that now that the public has been provided with so many hours of broadcasting, it would resent any curtailment. Yet I firmly believe that the criticism of broadcast programmes takes its root in their length. How is it possible to avoid repetition? There are not enough items available to provide new programmes daily.

"From a psychological point of view, a privilege so easily obtained is little likely to be valued. Four hours a day of really good programme matter would probably be appreciated far more than the long, straggly series of items that are 'on tap' throughout the livelong day. At certain times, and on certain days, there might be broadcast in addition to sporting items and news, or broadcast descriptive matter of public events."

ist in Melbourne who is not under engagement to 3LO, or who, alternatively, has refused to be broadcast?

"With the exception of one or two, every first-class Melbourne singer is on the air at some time or other."

RADIO DIRECTORY

What to Buy and Where

AUCKLAND

- ATWATER-KENT RADIO** .. Frank Wiseman, Ltd.
170-172 Queen Street, Auckland.
- ALTONA & HAMMARLUND-ROBERTS SETS.** Johns, Ltd.
Chancery Street, Auckland.
- AMPLION LOUDSPEAKERS** . All Radio Dealers.
- BREMER-TULLY RADIO** .. Superadio, Ltd.,
147 Queen Street, Auckland.
- BURGESS RADIO BATTERIES,** All Radio Dealers.
- CE-CO VALVES** .. All Radio Dealers.
- FADA RADIO** National Electric & Eng. Co., Ltd.
Customs St.; Radio Supplies, Symond St.
- FEDERAL, MOHAWK, GLOBE** Federal Radio House,
8 Darby Street, Auckland.
- FERRANTI RADIO COMPONENTS** A. D. Riley and Co., Ltd. Anzac Ave., Auckland, and all leading dealers.
- GILFILLAN AND KELLOGG** . Harrington's, Ltd.,
138-140 Queen Street, Auckland.
- GREBE RADIO** Howie's,
Dilworth Building, Custom st., Auckland.
- MARCONI ECONOMY VALVES** All Radio Dealers.
- MULLARD VALVES** All Radio Dealers.
- RADIOLA RECEIVERS** Farmers' Trading Co., Ltd.,
Hobson Street, Auckland.
- RADIOTRON VALVES** All Radio Dealers.
- RELIANCE BATTERIES** .. N.Z. Made Reliance Battery Mfg. Co., Ltd.,
96 Albert Street, Auckland.
- T.C.C. CONDENSERS** A. D. Riley and Co., Ltd. Anzac Ave., Auckland, and all leading dealers.

COUNTRY TOWNS

- ANCHORADIO, BREMER-TULLY, RADIOLA, BROWNING-DRAKE, AND ATWATER-KENT RADIO** Radio House,
Hamilton. G. S. Anchor, Manager.
- BROWNING-DRAKE SALES AND SERVICE** J. H. Sinclair,
Otane, H.B.
- CROSLEY ELECTRICAL AND BATTERY MODELS** .. The Forrest-Crosley Radio Co., Ltd. Cuba Street, Palmerston North.
- GAROD, CROSLEY, RADIO AND ACCESSORIES** .. The Hector Jones Electrical Co.
King and Queen Streets, Hastings.
- GILFILLAN, FEDERAL, STANDARDYNE AND GARRARD ELECTRIC RADIO — ALL ACCESSORIES** W. M. Pitcher and Co.
Hamilton.
- GREBE, CROSLEY AND RADIOLA SERVICE** E. Dixon and Co., Ltd.,
Hawera.
- RADIOLA DEALER AND SERVICE** G. C. Carrad.
140 The Avenue, Wanganui.
- ROLA CONE SPEAKERS** J. B. MacEwan and Co., Ltd.,
Federal Radio Dealers, New Plymouth.
- PHILIPS VALVES AND APPARATUS** All Good Radio Dealers,

MR. F. W. SELLENS writes:—

Mr. Mavin H. Thoreau, Vancouver, in a letter just received, expressed surprise at the poor reception of the Heeney-Tunney fight in New Zealand. He says the broadcasters were not to blame as he has never heard 2XAF or 2XAD better than on this occasion. All or most of the American stations are due for wavelength and power changes. The Monday morning programme from 3LO on 32 metres is not audible in Vancouver. Short wave reception in that district is none too good now. RFM is very inconsistent; 5SW is seldom heard—not even the carrier. On the other hand, Mr. Thoreau says that 2XAD, 2XAF and KDKA are still "pounding in."

90-Metre Tests from Nairobi.

THE station recently opened by the British East African Broadcasting Company at Nairobi, Kenya Colony, is broadcasting a series of experimental programmes extending over a period of about three months, which began on Sunday, July 15. This transmission will take place daily from 5.30 to 8.30 p.m. (B.S.T.) (4 a.m. to 7 a.m. New Zealand time.) The station authorities are also hoping to arrange for an additional programme to be broadcast every Saturday, which will last until 10.30 p.m. B.S.T. (9 a.m. Sunday, New Zealand time). The Nairobi station has an aerial power of approximately 4 K.W., and works on a wavelength of 90 metres. The call sign is 7LO. Reports of reception will be welcomed by the station directors. The above particulars are only just to hand.

Radio-Telephony in Aerial Drill.

THE brilliant display of air drill carried out at Hendon on Saturday, June 30, by 56 squadrons was repeated on Friday and Saturday last at the R.A.F. display at Blackpool.

Each machine in the squadron was equipped with a short-wave receiver, while the leader's machine also carried a transmitter. During the flight various spectacular evolutions were carried out on the leader's word of command, the stunts including looping the loop, flying in line, and re-forming squadron.

General.

A REVISED schedule is to hand, dated August 1, 1928, of the short-wave stations owned and operated by

Round the World on Short Wave

Notes of special value to short-wave enthusiasts are contributed weekly to the "Radio Record" by Mr. F. W. Sellens, Northland, Wellington. Observations from others are welcomed.

the General Electric Company, Schenectady, New York.

The following are the particulars in New Zealand time. Until October 1, daylight saving time is observed, so till then the times will be one hour earlier than given.

2XAF, 31.4 metres:—

Tuesday, 9.30 a.m.-3.30 p.m.

Wednesday, 9.30 a.m.-3 p.m.

Friday, 9.30 a.m.-3.30 p.m.

Sunday, 9.30 a.m.-3.30 p.m.

2XAD, 21.96 metres:—

Monday, 9 a.m.-2 p.m.

Tuesday, 5.30 a.m.-7.30 a.m., and 9.30 a.m.-3.30 p.m.

Thursday, 9.30 a.m.-3.30 p.m.

Friday, 5.30 a.m.-7.30 a.m.

Saturday, 9.30 a.m.-3.30 p.m.

Although these are the official hours of transmission, each station carries on till 3.30 p.m. on Saturday and Sunday, when, according to the above schedule, with daylight saving in operation, the closing time should be 2.30 p.m.

Mr. H. M. Myers, of Birmingham, England, reports an amazing feat of international reception in which 2XAF, WGY's short-wave sister, participated. Tiring of the local programmes, Mr. Myers tuned to Stuttgart, Germany, when rebroadcasting 2XAF. The Schenectady announcer informed his audience that a programme from London was coming in so well that 2XAF would rebroadcast it. The Britisher listened to the London programme to the end, setting his watch to Big Ben, after the signal had made two trips across the Atlantic. Distance lends enchantment!

A strange station has been heard on about 50 metres during the early morning. On each occasion static was too severe to hear much talk or music.

Saturday, September 8.

5SW at 7 a.m. was very good strength, but spoilt by rapid fading.

KDKA, 27 metres, and 2XAD were broadcasting their programmes till about 2.30 p.m. The song "Drink to Me Only" came through very well, as

did items by the National Light Orchestra and the National Light Quartet.

KDKA closed down about 2.30 p.m. at strength R5, while 2XAD at the same time was R7.

The latter station carried on till 3.30 p.m. with a classic programme from the Roof Orchestra, Hotel St. Regis. R9 was the strength for last half an hour.

2ME, broadcasting the Eucharistic Congress, were weaker than usual with me, about R5.

Reception from PCJJ from 3.30 p.m. was rather disappointing, being weaker than usual, slightly unsteady. Speech was 100 per cent. readable. It was noted that Australia only was called towards the finish, New Zealand not being mentioned. Reports were asked for. God Save the King was played at 6.37 p.m.

Strength was from R3 to R5, decreasing to R4 at the conclusion.

Sunday, September 9.

2ME, 31.7 metres, broadcasting Solenn High Mass at St. Mary's Cathedral, Sydney, was R5 at its best. Fading was bad.

KDKA was tuned in just as they were signing off at 2.33 p.m.; R4.

2XAF were weaker than usual. At 3 p.m. they were only R4.

WLW also was very weak.

2ME was heard from 5 till 7 p.m., R8, with intense fading. At each fade it was noticed that many listeners tried to bring up the signal strength by oscillating.

RFM was very good at R7.

2BE Hastings, came in at R9, testing with gramophone records.

Monday September 10.

At 6 a.m. a stranger was heard on about 50 metres. The talk was foreign. R4 and very rough. The carrier went off by 6.10 a.m.

3LO were very weak, only audible at times before 6.30 a.m., about this time when "Darling, I Am Growing Old" was on, the signals suddenly increased to R6.

Tuesday, September 11.

5.30 a.m., Big Ben from 5SW. Talk followed at R2-3. Not readable on account of rapid fading. It improved later.

The progress of the Southern Cross was of more interest than 5SW, therefore did not bother any more with them, but kept with 2YA.

During the evening RFM was R8, spoilt by QRM and QRN.

At 11 p.m. 5SW was about R2. Big Ben was heard but talk not readable.

Wednesday, September 12.

PCJJ were in good form. Very steady, not any fading to notice, 100 per cent. readable. Strength R8 at 6 a.m. to R7 when signing off at 7.37 a.m., with the announcement that they would be on again from 2300 till 0200, G.M.T.

5SW, although fair strength, rapid fading was bad. At 7 a.m. a band was about R6, the announcement being about 50 per cent. readable.

Again at 11 p.m. 5SW was heard. "5SW, Chelmsford," was clear, though weak, but on switching over to London speech was not clear enough to understand. Orchestral music was heard.

Thursday, September 13.

At 5.50 a.m. pianoforte items were R7. A lecture followed, but again rapid fading spoilt intelligibility.

The 50-metre stranger was talking at R5, but static was very severe. 5SW was quite free of static at this time.

RFM at 10 p.m. was heard at full loudspeaker strength. An orchestral item was very good except that static was too noisy.

Friday, September 14.

Music was heard this morning from the 50-metre station. Static was too bad to listen long. PCJJ was almost perfect reception except for a slight fade. Maximum volume at 6.30 a.m. at R8.

5SW was R8 at 7.30 a.m., but rapid fading spoilt reception. At 11 p.m. reception was fairly steady at R3.

The Java Station.

A CORRESPONDENT in our last issue wrote correcting us on the wave-length of the Java station. This he stated to be 15.93 metres, and not 31.93 as stated by us. Investigation along the latest channels of information shows that both wave-lengths are correct: but both are used on different days. These short-wavers frequently change and we welcome information regarding them.

2YA Miscellany.

Appreciated in Australia.

"I WOULD like to express my satisfaction with the programmes you put on the air. In fact, I think they are better than we get here in Victoria. Of course, this district is very bad for reception from Melbourne at night. Both 3LO and 3AR fade very badly after sundown, and we have to look to other States for our radio. 2BL and 2FC are very steady and the programmes are very good. 5CL is received very clear, and steady, as 4QG also, but, as you see, one has to have a set that will bring in the inter-State stations at night, so radio is fairly expensive to put in.—Aussie."

"JUST a few words of praise for the very fine programmes I have heard from 2YA lately, which come through with power equal to and better than some of our A class stations in Australia, and always with less distortion. It is always a pleasure to tune

distortion or interference, and good speaker strength. In conclusion, a word of praise to your announcer, whose fine, clear voice can be distinctly heard always. Wishing you and your station staff every success in any further trials."—Victoria.

A comprehensive list of short-wave stations compiled by Mr. Sellens is unavoidably held over till next week by pressure of space.

in and listen to your programmes, and we are sorry when 8 o'clock comes (our time), and hear you close down, as somehow your programmes appeal to us more than the Australian station, and, taken on the whole, the artists are of a higher standard. I am only using a Radiola A.W.A. 4-valve, and the aerial could be much better, yet I can always bring your station in without

THE WHOLE COUNTRY TALKED—

of the wonderful relay of the recent EUCHARISTIC CONGRESS held in Sydney. This is but another signal proof of the excellence of a

MACK'S SHORT WAVE SET

that did the work, which is a fully shielded set, calibrated and guaranteed, and can be purchased for £14/10/-. Extra broadcast coils can be bought for 20/-.

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