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YES!



THE BEST SET AT ANY PRICE IS

KRIEGLER "TRIPLE TWIN"

7 VALVE SUPERHETERODYNE..

N.Z. Distributors: F. J. W. FEAR & CO., WELLINGTON; ELLIS & CO., LTD., AUCKLAND; BRITISH RADIOS LTD., CHRISTCHURCH.

World Radio News

THE Lisbon Municipal Council has passed a resolution to the effect that electric signs within the city area will be licensed only if provided with suitable filters to prevent interference with radio reception. The Portuguese Radio Club is endeavouring to have the order extended to cover all forms of man-made static.

ESTIMATES show that throughout 1931 there were in use between thirty-three and thirty-four million radio receivers. Nearly seventeen million were in North America, one million in South America, seventeen millions in Europe, one million in Asia, half a million in Oceania, and fewer than one hundred thousand in Africa.

THE little country of Denmark has 475,000 licensed listeners. Nearly one-half of these possess crystal sets.

RADIO-TOULOUSE, in search of new surprise features for its programmes, recently asked for suggestions. One listener immediately wrote suggesting that it would be a surprise if the station transmitted a programme "totally different from that announced."

RECENTLY an engineer working on a 2 kilowatt seven-metre television transmitter on the top of the Empire State building in New York, felt his finger becoming hot. Investigation showed that his ring was picking up enough energy to generate eddy currents.

QUITE recently currents generated by the thermionic valve, having a frequency of over ten million cycles a second, have been used in the treatment of certain forms of disease. The "cure" consists of an exposure sufficient to raise the temperature to 104 degrees or even 105 degrees, producing beneficial results without causing any harmful symptoms.

IN order to symbolise the industrial characteristics of the "Plan," the All-Russia Soviet Government has decreed that every broadcasting station in the country shall use the same opening and interval signal, namely, the sound of a hammer striking an anvil. Some of the stations were endeavouring to use the ether for purely cultural purposes, but the Soviet stepped in and demanded the continued reminder of manual toil.

A NEW "miracle valve," designed to eliminate atmospherics, was demonstrated recently by the superintendent of the radio research station, Mr. R. Watson Watt, at the Imperial Institute. The valve will also register storms and lightning flashes within a radius of 3000 miles, thus permitting accurate weather forecasting and safer long-distance flying, as well as recording a speed of 100,000,000 miles per hour and 25,000,000 oscillations per second.

IT is claimed that the largest twelve-word telegram ever sent by the British Post Office read: "Administrator General's counter-revolutionary intercommunications undeciphered." Quartermaster General's disproportionableness characteristically com-

(Continued in col. 4.)

Our Competition Corner

Results of No. 11 Competition

THOUGH the entries for No. 11 Competition were lighter than usual, it has proved one of the most interesting yet held. Miss M. Lilley, of Charles Street, Kalapoi, who won last week's prize, again wins this week's with the cleverest solution yet sent in to any problem. By making use of two diagonal roads, which the conditions did not forbid, she arranged a route by which the traveller could visit every town in the seventy-six miles. That the length of each diagonal is six miles is obvious from the theorem of Pythagoras, which states that the length of the diagonal of a right-angled triangle is equal to the square root of the sum of the squares of the other two sides.

Miss Lilley's qualifying phrase: "a straight line is the shortest distance between two points!" was not needed to win her the prize, though one of the best received. (Her solution is reproduced on this page.)

Two other competitors selected for special mention are Mrs. G. Ross, Cashmere Avenue, Khandallah, and Mr. A. R. Wilson, 1 River Road, Hamilton, both of whom sent in routes which left only two towns unvisited.

Competition No. 12.

THE winner of last week's crossword puzzle will be announced next week.

Ask Your Friends These

(Answers are given in next col.)

1. Which is the largest building in the world?
2. Which are the biggest ships that have ever been built?
3. Which is the longest bridge in the world?
4. Which is the highest mountain in the world?
5. Which is the largest royal palace?
6. Which building possesses the largest dome?
7. Who is the world's richest man?
8. Who made the first photograph?
9. Who invented the telephone?
10. Who invented the first aeroplane?

A Word Square.

Can you complete this word square by substituting letters for the lines?

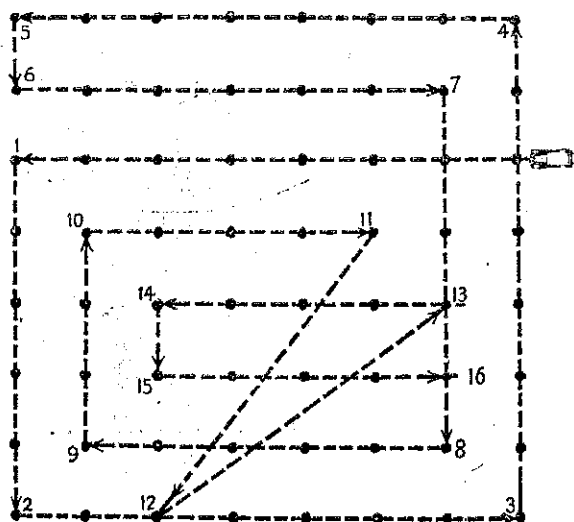
W _ _ _ E
_ _ _ T _ _
_ _ _ T O N _ _
_ _ _ N _ _
E _ _ _ T

Answers to This Week's Puzzles

1. The Great Pyramid at Gizeh, in Egypt.
2. The Majestic, Bremen, Leviathan, Berengaria, Europa, Aquitania and Olympic.
3. The Tay Bridge, in Scotland. It is 10,780 feet long.
4. Mt. Everest, in the Himalayas. It is 29,000 feet high.
5. The Palace of Madrid.
6. St. Peter's, at Rome. The second largest is that of St. Paul's Cathedral, London.
7. Henry Ford.
8. Niepce and Daguerre, two Frenchmen, in 1839.
9. While many people contributed to the development of the first telephone, it is claimed that Alexander Graham Bell, a Scotsman, was the first to make it a practical possibility. This he did in 1876.
10. Although people have tried to fly almost since the dawn of history, the first to accomplish this feat practically were Orville and Wilbur Wright. They made a machine which flew at Dayton, Ohio, in 1903. In the "Daily Mail" of December 19, 1903, appeared the following: "Messrs. Wilbur and Orville Wright, Ohio, yesterday successfully experimented with a flying machine, at Kittyhawk, North Carolina. In the force of a wind blowing 21 miles an hour, the machine flew three miles at the rate of 8 miles an hour. The idea of the box-kite was used in the construction."

Word Square.

The words are: Waste, Actor, Stone, Tonic, Breat.



The winning solution of Competition No. 11.

tradistinguished unconstitutionals incomprehensibilities." This was sent in a contest for the longest wire that could be sent for sixpence—the address excluded. Hams should try it out!

A NUMBER of Hungarian opera singers recently went on strike, refusing to take part in performances which were to be broadcast. The reason given was their salaries had been reduced to meet economic conditions and no extra payment was made when the microphone was installed in the theatre.

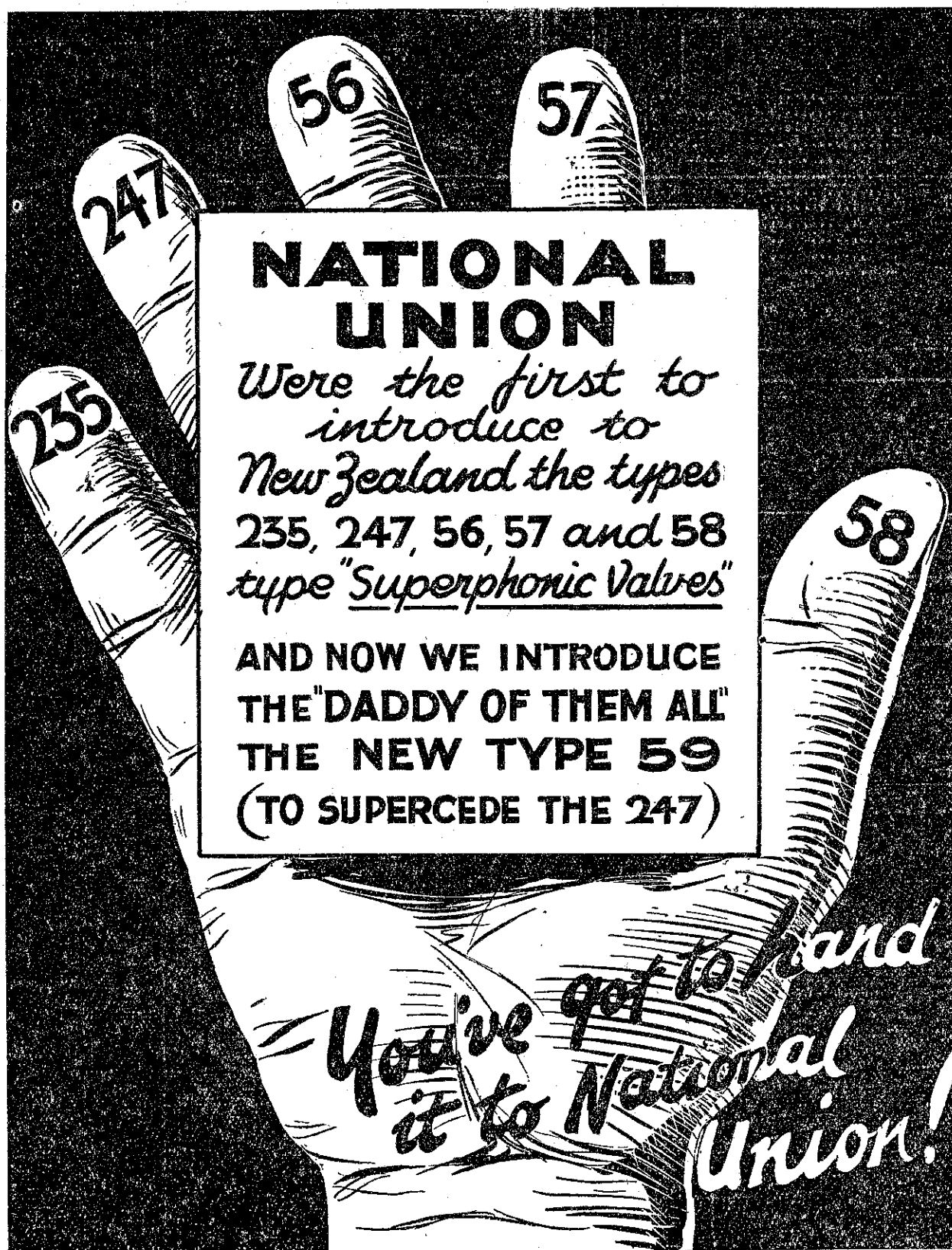
IN Morse transmissions the number of letters comprised in the call are a sure indication of the class of station operating. Three-letter call signs are allotted to fixed or land stations, four letters to ships, five letters to aircraft services, and combination of a one-letter or two-letter nationality prefix followed by a numeral, and up to three letters, are used by amateur or experimental transmitters.

KDKA, the pioneer broadcasting station of the United States, put over 23,000 programmes in 1931, the studio officials during the period receiving 435,000 letters. To operate this station for the twelve months, half a million dollars were expended, of which one-fifth was paid as fees to artists. Opened on November 2, 1920, the station has not missed a single day of broadcasting.

IN Britain plays are censored by the Lord Chamberlain, films by the Board of Film Censors (which includes in its annual lists of censorable subjects "bleeding from the mouth" and "clergymen in equivocal situations"). The B.B.C. is its own censor. The Postmaster-General, however, has the power to request the B.B.C. to refrain from broadcasting any material of which he does not approve. This is seldom exercised, however, for the B.B.C. is a strict censor of its own programmes. Blue pencils flicker over talks, manuscripts, plays, and comedians' patter. Chief subjects of censorship include advertisement of proprietary articles, explanatory use of the name of the Creator, propaganda for private interests, and opinions ranging from the gratuitously offensive to the definitely libellous.

IN Belgium, where a listening tax is now strictly enforced, the police are taking drastic steps for the discovery and punishment of radio pirates. It is estimated that in Brussels alone there are more than 8000 persons possessing sets without official permits. A house to house search in Liege was conducted recently, and resulted in a large number of receivers being confiscated. Dealers are concerned with the measure the authorities propose in disposing of the big stock acquired by confiscation.

FROM time to time Leningrad and Moscow carry out a relay of foreign broadcasts, but if during such a tour through the ether the engineers come across a dance music transmission, they are compelled by the Soviet authorities to switch on to some other programme. Waltzes, polkas and kindred steps are tolerated to a small degree, but such post-war dances as fox-trots, rumba and black-bottoms are drastically vetoed. In the opinion of the Bolsheviks, they constitute a symbol of the decadence of the moneyed classes.



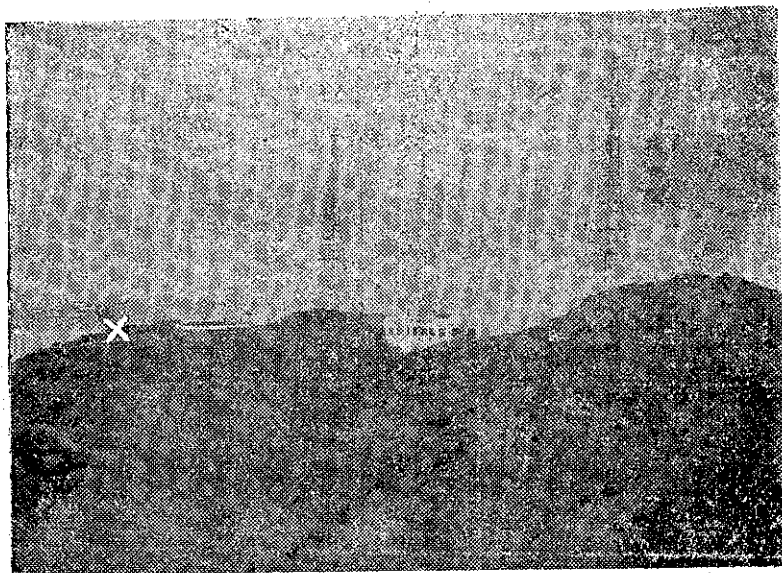
**NATIONAL
UNION**

*Were the first to
introduce to
New Zealand the types
235, 247, 56, 57 and 58
type "Superphonic Valves"*

**AND NOW WE INTRODUCE
THE "DADDY OF THEM ALL"
THE NEW TYPE 59
(TO SUPERCEDE THE 247)**

*You've got to hand
it to National
Union!*

MILES NELSON Brunswick Buildings.
Queen St., Auckland N.Z.



2YA's Transmitting Masts on the top of Mount Victoria. A new mast for "2YA Auxiliary" has been erected at "X".

MANY Wellington listeners will no doubt have noticed that recently 2YA's two transmitting masts on the summit of Mount Victoria have been joined by a third smaller one, standing to the northward. This mast, which is 100 feet high, has been built to support one end of the aerial of the new 2YA auxiliary station. The other end will be attached to one of 2YA's masts. Unlike its taller brothers, which are of steel, the new mast is built of oregon, in three sections, well stayed to withstand the terrific gales which often sweep the summit.

"2YA Auxiliary" is intended primarily as a standby in the event of breakdown of the larger station or of failure of the mains supply. In such an event, the new station will be supplied with power by an oil engine directly coupled to an alternator, which develops the same voltage and frequency as the power mains. A simple switching arrangement enables a change-over to be made in several minutes. The studio equipment has been duplicated at the main studio in Featherston Street and at the transmitter on Mount Victoria, so that the station may be operated from either. Both transmitters can be operated simultaneously on separate programmes from the main studio.

In order to ensure that the transmitter is kept in good running order ready for any emergency, it will be placed on the air for approximately one hour each day—between 7 and 8 in the evening. The transmission will be on 1010 kilocycles (297 metres). All that remains to do now is to suspend the aerial system and connect it to the transmitter, so, all being well, the station should be on the air within a week.

An interesting contrast is afforded between 2YA's transmitter, which was installed six years ago, and the new transmitter, embodying the latest improvements, which stands alongside it. Not only is the new plant, which was manufactured by Amalgamated Wireless (A/asia.), Ltd., far more economical and efficient than 2YA, but the quality of its transmissions will be superior.

Both high and low note response of the new station is much better than that of 2YA. The frequency response claimed for the old transmitter is from 50 cycles to 7000 cycles per second, or roughly from about the tenth lowest note on the piano to the fourth highest. This appears to be a wide enough range, yet it must be remembered that every note from any instrument is not absolutely pure, but contains overtones and harmonics of varying higher frequencies which give it its characteristic sound. These enable us to detect the difference, for example, between a note played on the piano and the same note played on a violin.

With 2YA's transmitter, all harmonics and overtones are practically cut off above 7000 cycles, but with the new station the range is extended to 10,000 cycles per second. In the lower register, too, the range is extended downward. 2YA's lowest frequency response is about 50 cycles, but the auxiliary plant will reproduce notes as low as 30 cycles per second, resulting in more faithful reproduction of bass notes. With most modern receivers, reproduction of the new station's transmissions will be unusually life-like, but with older sets very little difference will be noticed, because many of them are incapable of reproducing any note outside a limit of from about 100 to 4000 cycles per second.

Another attractive feature about the new transmitter is the depth of modulation it is possible to obtain—a full 100 per cent., without distortion. With the older type of transmitter such as that employed by the YA stations in other centres, the maximum percentage of modulation permissible is about 50, because if greater depth is attempted distortion results. 2YA, which was built a little later, is capable of about 70 per cent.

"2YA Auxiliary"

Latest in Transmitting Equipment

The main advantage of deep modulation is that greater coverage at higher quality can be obtained with less power. A bigger percentage of the energy radiated is used to bring speech and music to receiving sets, and this is why "2YA Auxiliary," which has a power of 200 watts aerial energy, will have a slightly greater field strength than the old transmitters, 1YA, 3YA and 4YA, which all have a power of 500 watts aerial energy. In other words, other things being equal, a listener in Christchurch will be able to hear "2YA Auxiliary" at slightly louder strength than a Wellington listener would hear 3YA.

The improved frequency stability of the new transmitter is another important feature. Originally the frequency (or wavelength) on which 2YA worked, was kept constant by means of a master oscillator valve. After a year or two of service, crystal control was installed, but no provision was made for keeping the crystal at a constant temperature, which meant that any appreciable change in temperature resulted in a slight alteration of the station's wavelength. The new station has crystal control, and the crystal is automatically kept at a constant temperature by means of a thermostat.

FOR the more technically-minded reader, additional frequency stability is given by two buffer stages between the crystal and the modulated amplifier. This prevents any dynamic instability, or variations of frequency with modulation. If no provision is made for this, distortion results which is noticeable more by distant listeners when the ground waves and the sky waves are being received at equal volume. Also, if these waves are being received out of phase, mushiness results. This is apart from the mushiness and distortion caused by selective fading, which results when the Heaviside layer reflects some frequencies in different degrees from others. This particular type of distortion is to a large extent unavoidable, but fortunately it is most evident only in a belt from 50 to 100 miles from the transmitter, depending on the wavelength employed.

The new station is very economical, due both to the high percentage of modulation and to the fact that no moving machinery is used to supply power, which is converted direct from the city mains to the required values by means of rectifiers of various kinds. Of late years there have been many improvements in the design of rectifiers, the mercury vapour type particularly being much more efficient than those used at the time 2YA was designed. This means that the power required for the new transmitter will be used much more effectively than in the case of 2YA, which is powered partly from motor generators and partly from earlier-type rectifiers.

THE signal from the microphone or pick-up in the main studios at Featherston Street passes through a mixing panel, incorporating a five-stage amplifier with suitable volume controls and indicating meters, to the connecting line to the transmitting station on Mount Victoria. At the transmitter it passes through an equaliser, which is installed to ensure an even frequency response, and is then passed through another speech amplifier of two stages, the last of which is the modulator. The carrier wave is developed in the crystal stage and then passes through two buffer stages to the modulating amplifier. At this stage the signal from the modulator is introduced to the modulating amplifier, and the two are combined, the resulting signal passing through a linear amplifier into the aerial.

"2YA Auxiliary," which is intended primarily as a standby in the event of breakdown of 2YA or failure of the mains supply, will operate on 1010 kilocycles (297 metres), with an aerial input power of 200 watts. Transmissions are expected to commence within the next week.

The Tragedy

... of the ...

"JEAN BART"

THE French corvette Heroine, under Captain Cecille.

was at the Bay of Islands toward the end of the year 1838. On September 28 an American whaler, the Rebecca Sims, arrived, and told Captain Cecille of the loss at the Chatham Islands of the Jean Bart, a French whaler. The crew had been killed and the ship burned.

The French captain requested the American ship and a French whaler, the Adele, to guide him to the Chathams to enable him to make reprisals. The two whalers were to precede him, decoy the Maoris aboard, and hold them prisoner till the Heroine arrived next day. It was feared that if the Heroine appeared with the others the Maoris would be suspicious and refuse to come aboard at all.

The three ships left the Bay of Islands on October 6 and arrived at the Chathams on October 17; but while the two whalers proceeded alone to the anchorage, the Maoris seemed suspicious, and refused to come aboard unless hostages were first sent ashore. However, Captain Ray, of the Rebecca Sims, persuaded on board the Chief, Eitouna, his wife, two other Maoris, and four young Maori women. No others would come. Later in the day their visitors wished to go ashore, but they were arrested and detained.

The Chief's wife managed to reach the side of the ship, jumped overboard, and swam to shore. She had almost reached it when a sailor, taking her for a man escaping, shot at and killed her. This gave the alarm to those on shore; and, seeing their Chief did not return, and that at least one of their number had been killed, they feared the worst, and started firing on the ships, but without serious result.

The Heroine appeared later as arranged, and the Chief was examined on board the corvette before the officers, when the following story was told:

The Jean Bart arrived at the Chathams in the beginning of May, and as usual the Maoris thronged on board for trade. The captain did not like so many of them on board at one time, so he told Eitouna to order his men ashore, and prepared to sail out of the anchorage. Eitouna gave the order, and most of his men obeyed, only 18 remaining; but there was also a Chief, Pomare, and as Eitouna had no control over his people, they all remained.

Eitouna cautioned the captain against Pomare, and I have learned from a manuscript letter of Shand, who was for many years a resident on the Chathams, that these two chiefs were at the time on unfriendly terms, and would not move about in the vicinity of each other unarmed. This accounted for many of the Maoris being armed when they came on board to trade, and it was evidently this which caused the captain to be uneasy, for he was not to know the relation in which the two chiefs stood to each other.

Eitouna and several of his chiefs went into the cabin, and while there heard a great noise on deck. They hurried out, but on reaching the companion-way a wounded Maori fell from the deck, and they all returned to the cabin. Soon the partition was burst, and someone tried to kill them through the opening. They seized and loaded guns to defend themselves, and killed two of the crew. At once the companion and skylight were barricaded, and

after a while all was quiet. Eitouna thought that the crew, on seeing the Maoris had secured guns, had barricaded the openings so as to give them the chance of making off in their canoes; for when they reached the deck no one was visible.

There had been killed 28 Maori men and one woman, and 20 others wounded; nine of the killed and three of the wounded belonged to Eitouna's people; he named them all.

This story is rather confused, but it is what was gathered from the chief. Next day 100 armed men from the European ships went ashore, but they failed to catch any of the people, who had taken to the bush, so they destroyed the village and seven canoes; and by 4 in the afternoon there remained only the ashes of a settlement which had covered about three-quarters of a mile.

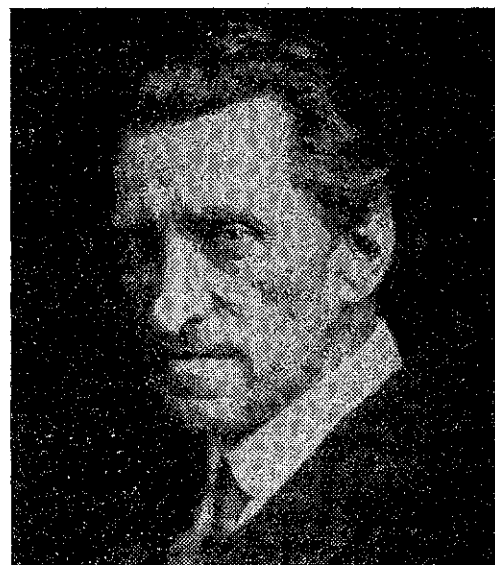
The destruction of the houses, while it would mean great labour in their reconstruction, was not so very dreadful; but the loss caused by the burning of the canoes was irreparable. They had been brought from New Zealand, and there was no timber on the islands sufficiently big to allow of others being built.

All pigs and potatoes found were collected and taken away. All this was considered a just reprisal for the destruction of the Jean Bart.

THE chief was kept on board, and he naturally wanted to know what was to be done to him. He maintained that he himself had always dealt justly with Europeans, and Captain Ray confirmed this.

He was told he was to be taken to France, and no doubt clemency would be shown him by the French King. He requested that his wife might be allowed to accompany him, but was told that their rules forbade the carrying of women on French ships of war. He was not told that his wife had been killed, and instructions were issued that he was to be kept in ignorance of this. He said good-bye to the young women, sending instructions to his people and giving keepsakes to those about to be sent ashore. Even the officers found the scene affecting. The women were then sent ashore, but the two men were kept prisoners.

In Captain Cecille's report, he said that the Maori reprisals too often were provoked by the aggression of white people. There was one fact he did not report, for he did not know it. J. Busby reported it later to the Government of New South Wales. It was this: Two years earlier the Caroline, of Hobart, had been whaling near the Chathams, and had employed a number of Maoris cleaning bone, promising them a cask of tobacco as payment. When the work was finished, however, payment was refused, and three or four of the Maoris who were on board at the time were kidnapped and made to do sailor-work. One of the mates of the Caroline was the man Grimwood, who was acting (Continued on inside back cover).

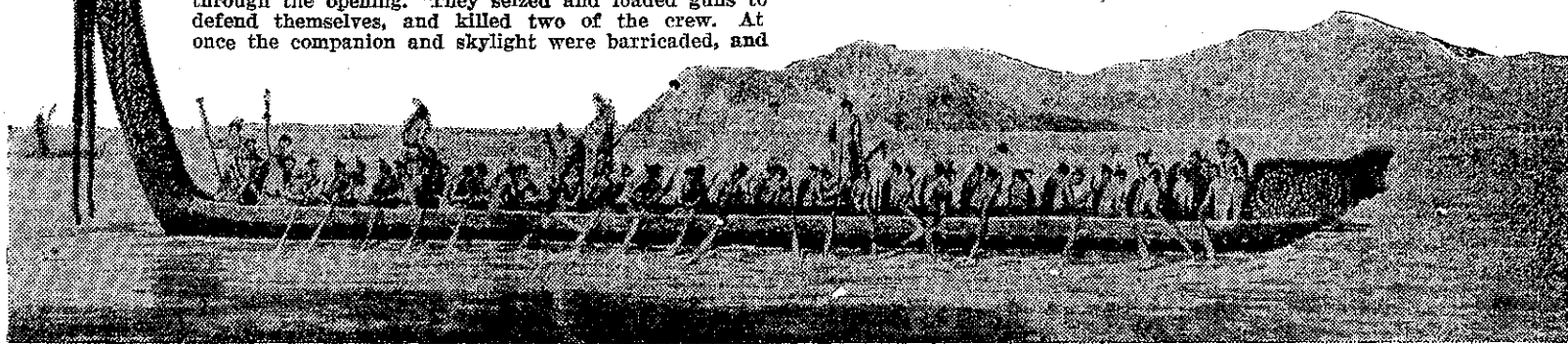


Johannes C. Andersen.

Many pages of New Zealand's early history are disfigured with accounts of shocking tragedies such as that of the taking by the Maoris of the "Jean Bart," while lying at anchor at the Chatham Islands. That the Maori was, on many such instances, merely exacting vengeance for some cruel or despicable act played on him by the whites, is maintained in this article by one of New Zealand's foremost authorities on Maori life and history.

Johannes C. Andersen

The first of a series of
2YA Talks



Editorial Notes

Wellington, Friday, February 24, 1933.

BOTH listeners and the Broadcasting Board may be congratulated upon the installation and prospective early use of "2YA Auxiliary." The establishment of this standby plant was a recommendation of the Coverage Commission, whose report was presented in July of last year. Its purpose is to ensure stability of operation for the 2YA service, which, by its location at the seat of the Government and the capital of the country, is of prime importance to the Dominion. The technical description of the plant, which is given in another column, shows that, although of only 200 watts aerial energy, the new equipment will have a potential coverage rather greater than that of the 500-watt plants now operating at 1YA, 3YA, and 4YA. This is a tribute to the advance in technical efficiency made in late years, the various angles of which are fully brought out in our article.

IT is important to know that the provision of 2YA Auxiliary, while of importance in itself, does not cover the full recommendations made in respect to 2YA. For this station to attain the ideal of efficient service sought by the Coverage Commission, and desired by the Broadcasting Board, it will be necessary to ultimately largely increase its power—to no less a strength than 50 kilowatts is the suggestion of the Coverage Commission. It is recognised, however, that that expansion must be an ideal of the future rather than a concern of the immediate present, and when that time comes, it is practically certain that it will be necessary to transfer the location of 2YA from its present commanding site on Mount Victoria to a point probably some distance from the city itself. It is found in practical field trials that the greatest efficiency in transmission and freedom from interference is secured by placing the transmitting plant some distance away from the centres of population sought to be served. This point is fully brought out in the report of the Coverage Commission, and it is only a matter of time before each of the transmitting stations are likely to be transferred from their present locations to points distant from the cities with which they are associated so as to

give fuller coverage efficiency to the whole of their respective areas. In the case of Wellington, when the time comes to lift 2YA into a full-powered national station of the magnitude envisaged by the Coverage Commission, it will possibly be timely to also consider the question of a regional station, capable of giving a full alternative programme.

THE actual operation of 2YA Auxiliary will be awaited with interest by listeners, especially as its regular operation, presumably with suitable gramophone music, between the hours of 7 p.m. and 8 p.m., will come as an additional alternative to the news session now occupying that hour mainly for the benefit of country listeners. The Board may be congratulated upon the progress it has made in working

The Week's Sporting Broadcasts

Saturday, February 25. 2YA: During the afternoon, relayed description of principal events at Wellington Provincial Athletic Championship Meeting.

Monday, February 27. 9 p.m.: All YA Stations—Resume of results in Fifth Cricket Test: England v. Australia.

Friday, March 3. 7.30 p.m.: 1YA—Sports talk by Gordon Hutter.

Saturday, March 4. 12 noon: 2YA—Relay from Hutt Park of Wellington Trotting Club's Autumn Meeting.

2 p.m.: 3YA—Relayed description of Canterbury Amateur Athletic meeting at Lancaster Park. 4YA—Relay of Otago Rowing Association's Annual Regatta.

10 p.m.: All YA Stations—Sports summary.

to the programme suggested by the Coverage Commission. Satisfactory advance, we believe, is being made in respect of certain other recommendations made, and listeners may feel assured that in spite of the difficulty of the times, steady progress is being made by the authorities concerned in bringing the national service up to the standard generally desired from the transmitting point of view. Once the technical side is satisfactorily adjusted, the way will be open for concentration upon programme improvement. The obvious first essential is that the means of trans-

mission be as perfect as possible; thereafter the fullest care can be devoted to the matter to be broadcast.

SPECIAL interest will be felt in educational circles in the news that, as from Monday, March 6, a regular series of educational broadcasts will be instituted from the Auckland Training College. Hitherto, when effort has been made to use broadcasting for the benefit of country schools, the teacher or instructor concerned has visited the station studio, and broadcast from there. To that practice there were definite limitations, particularly when the subject demanded illustration. Now the broadcast

will be of an actual lesson, given from classrooms in the Auckland Training College over a permanent relay line. This will enable the teacher to secure response from the students, or children in his class when that is desired and so enhance the instructional value of the lessons and the broadcasts. This experiment will be watched with close interest because it suggests definite possibilities for suitable development. A special committee of educational authorities has been enrolled to utilise to the fullest advantage the possibilities of broadcasting. If the Auckland experiment is successful—as we have no doubt it will be—it is likely that in due course similar permanent facilities will be incorporated at other main centres.

In Phase and Out

By "Quadrant"

AT last 2ZW's stock of the march "Wellington" has been exhausted. —Or does the new announcer not know about it?

FORCE of habit.—The doctor who put on a pair of headphones and said "now cough." And the solicitor who ruined his wet battery through overcharging. And the lady who kept the sun blinds down because her son complained the stations were fading.

A SLOW-MOTION dial: Telling a Scotsman a joke.

THERE are two kinds of stations in N.Z. B class and Be classy.

DEAR Quadrant,—Three whys from an Auckland listener: (1) Why do announcers, particularly those from B stations, mutter in their beards when announcing the titles of items? (2) Why does the dinner music have to be so heavy and tuneless? My gastronomic nerves crave light, tuneful melodies. (3) Why one B station has a Scottish sponsored programme for three-quarters of an hour each week? A little Scotch with soda may be all right, but the preference of some B stations for Scottish music on the slightest provocation becomes tedious. —"Six-Valve."

ACCORDING to figures recently issued by the Radio Congress at Madrid, there are 140,000,000 listeners. After that, it seems that whatever you and I think about broadcasting doesn't matter very much.

IT was recently stated that in Northern Ireland more than half the wireless sets in use were unlicensed.—The Wireless Free State.

A RESIDENT in our cathedral city wrote to us the other day saying that the chimes from the cathedral came in so strong on his one-valve set that the whole town rushed out to help extinguish the fire.

WITH the colder weather, 2YA's first man of the mike has returned to form. I knew neither he nor Wellington could stay off colour for long.

"OH, I say, Auckland" is to be congratulated on a most thrilling relay of the finals of the Primary Schools' Marble Championship last Monday evening. What about a running description, or at least a summary of the day's play, in the next Hopscotch tournament?

A PROVINCIAL daily relates how the local station relayed GSD better than did 2YA. It says the swing which accompanied 2YA's signals was eliminated. I happened to tune in that relay, but under no stretch of imagination can I agree. Everyone is entitled to his opinion, but when it appears in print as fact—it does not look too well.

A SCOTSMAN was recently admitted into a Wellington hospital with his head jammed down the horn of a loudspeaker. It was afterwards ascertained that, in the church from which the service was being broadcast, the collection had been upset.

DUNEDIN'S unluckiest listener. The shopkeeper who found a dud banknote among his takings, and that evening tuned in to 4YA just in time to hear a well-known actress singing: "Fain Would I Change That Note!"

A PROVINCIAL newspaper writes: "And now every Sunday evening there are thousands of listeners who, with humble mind and devout heart, tune-in to the broadcast sermons." Not including, of course, the new amateur who took all the afternoon to get the thing to go and then found he could not get 'outside' till the local closed down.

LISTENING-IN is a retreat for the husband, a recreation for the wife, and a solace for the spinster.

Here and There

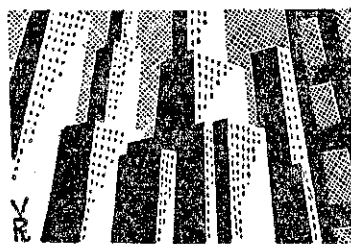
Selections from this Week's Programmes

By "TRIPLE GRID"

Cicely Courtneidge, one of England's foremost comedienne, is one of the leading characters in a recorded sketch, "The House That Jack Built," to be broadcast from 1YA on Monday, February 27. "A child of the theatre," is Miss Courtneidge's description of herself. Her father and mother were both on the stage. Robert Courtneidge, before he became a manager and producer, was an actor, and her mother was Miss Blanche, sister of Ada Blanche. "But it goes further back than that," says Miss Courtneidge. "My grandmother was a singer. Her name was Cicely Adams, and I am proud to be named after her. She had a lovely voice, and sang in grand opera. So you see I've been mixed up with the stage all my life. From the earliest time I can remember I made up my mind to go on the stage. My parents realised that it was useless to prevent me, so they did what many stage parents never do—encouraged me. At the age of eight I made my first appearance, to my huge delight, in my father's production of 'A Midsummer Night's Dream' in Manchester. I played Peasblossom, and was as proud as Punch when I found myself a real live actress. The following year I went with my parents to Australia, and played the same part again in Melbourne. By the way, I was born in Australia, at Sydney, in the hotel owned by Mr. Oscar Asche's father. After Melbourne I came back to England, and went to school in earnest; but while I was still a schoolgirl I induced my father to let me play in 'Tom Jones'—my real stage debut. He gave me a tiny part in the first act only, and when the curtain came down I was relentlessly sent home to bed. Then came Switzerland, where I went to finish my education. When I came back I played Crysea in 'The Arcadians' at the Shaftesbury—which is the end of the beginning of my story."

Auckland German Club. Thoroughness is not the monopoly of the German people, but it is undoubtedly a characteristic, and when it comes to music we are entitled to expect a finish to their work that reflects the national disposition. Music has no territorial boundaries, and no instrument of human art speaks peace unto nations so well. It is therefore interesting to note that on February 27 the orchestra of the Auckland German Club is contributing to 1YA's programme. Membership of the club is not confined to Germans but is open to any one of good repute of any nationality, who is at least 18 years of age and desirous of sharing the amenities and cultural atmosphere that pervades at a gathering of some of our best citizens. Associated with the executive of the club, the patron of which is the German Consul for New Zealand, we see such well-known names as those of the Hon. Sir Geo. Fowlds, K.B., C.B.E., and Professor R. M. Algie, while the conductor of the orchestra is that well-known figure in musical circles, Mr. Henry O. Engel. The Engel family arrived in New Zealand in the early years of the century, making an important addition to the Auckland music world. The family's string quartet is spoken of as one of the finest that the northern city has heard. Included in the orchestra are many of Auckland's most finished performers, among whom are Vincent Aspey (leader), Fred Engel, H. Engel, Tom Fitchett, Carl Engel, Charles Hoffman, Malcolm McGregor, J. Bamber, E. Pickering, Chas. H. Hayes, George Tangye, and Ray Jury. The orchestra has a complement of between 30 and 40 performers, and the array of names included assures listeners of artistic interpretation. The first official public concert given by the German Club last November aroused a mild storm of appreciation in Auckland's musical world, and their future performances are awaited with pleasurable anticipation.

John Brownlee. The announcement that the Broadcasting Board has been able to make arrangements for 1YA to relay the second half of the concert to be given by John Brownlee, the eminent Australian baritone, on Saturday, March 4, will be good news to many thousands of listeners throughout the Dominion. Ten years ago this now well-known Australian baritone was a clerk in a hardware store in Geelong. To-day, thanks to a fine natural voice, a win at the Ballarat Competitions, the interest of Dame Nellie Melba, and hard work, he is very close to the top of the tree. One of the milestones of his short career was his meeting with his generous patroness, whose high opinion of his



High Lights in the Programmes

ST. DAVID'S DAY PROGRAMME—

2YA Tuesday, and 3YA, Wednesday.

THE MELODIE FIVE—2YA, Thursday.

THE PHILHARMONIC FOUR—4YA, Thursday.

ORGAN RECITAL—1YA, Friday.

MAORI CONCERT—2YA, Friday.

"BITS AND PIECES"—2YA, Saturday.

"A NIGHT WITH THE NAVY AND ARMY"—3YA, Saturday.

The Talks

"ART IN NEW ZEALAND"—2YA, Monday.

"LONDON AS SEEN BY JANE MANDER"—1YA, Tuesday.

"A MOTOR TRIP IN INDIA"—1YA, Wednesday.

"WANDERINGS IN SOUTHERN FRANCE"—3YA, Thursday.

voice fired his ambition. Eventually he found himself in London, where once again he met Dame Melba. She took him to the famous teacher, Dinh Gilly. Brownlee had to learn French forthwith in order to converse with his singing master. For three years he studied hard, not singing in public until his great chance came in 1926 with an engagement at the Trianon Lyrique, a suburban Parisian theatre, from which singers for the opera are recruited. His engagement was for six months at 50/- a week. Still, it was a start, and it brought Melba into his life for the third time. A friend of Melba's recommended a Canadian singer with a faultless style, as a rare find. Dame Nellie, who went to hear him, was struck by the resemblance of his voice to her protegee's. Final recognition led her to invite him to appear at her farewell concert at Covent Garden. His later debut in Massenet's "Thais," at the Grand Opera House, Paris, and his later inclusion in the cast of "Herodiade" put the hall-mark of success on his career.

Johannes C. Andersen. No listeners to 2YA need an introduction to Johannes C. Andersen, librarian of the Turnbull Library, lover of wild life and advocate for the preservation of the native bush, but all are not aware that he is the author of many books. His large work, "Maori Life in Aotearoa," published in Christchurch and now out of print, his "History of South Canterbury" and "Place Names of Banks Peninsula," mark him as an erudite student of New Zealand. Mr. Andersen is joint-editor of the "Polynesian Journal," a quarterly magazine devoted to Polynesian history, mythology, etc., is a member of the Board of Maori Ethnological Research and of the Geographical Board of New Zealand. His recently-published volume, "Myths and Legends of the Polynesians" (Harropps) won him wide praise. He is the writer of an "Introduction to Maori Music," and this enlarged is now running in the journal of the Polynesian Society, and will be published as a memoir when completed after four more numbers. Mr. Andersen's new series of talks from 2YA, "Early Tragedies of New Zealand," will command the attention of a very wide public, for his reputation as a scholar in research is unsurpassed by any contemporary.

Dvorak Symphony. In his Symphony No. 5 in B Minor, "From the New World," Antonin Dvorak has given the world one of its greatest symphonic compositions. This work—the second movement of which will be broadcast by the 2YA Concert Orchestra at 8.30 p.m. on Monday, February 27—was written during the composer's stay in America, where he was for some time director of the New York Conservatory of Music. In it Dvorak has built some of his themes from popular American songs, and listening to the principal tune of the First Movement you will hear that it is made up of part of the melody, "Swing Low, Sweet Chariot," a popular Negro spiritual, and a few notes of "Alabama, Coon." Its Second Movement is one of the loveliest things in all symphonic music. It is said to have been inspired by the reading of Longfellow's "Hiawatha's Wooing," though some commentators see in it "dawn on the prairie" or "the ship of Columbus rocked gently on the giant swell of the Western Atlantic as it rests becalmed within sight of the New World." The great last movement has in it something of the titanic majesty of the great virgin forests of the heart of the wilder parts of America which (Continued overleaf.)

Dvorak found so much dearer to his spirit than the big impressive cities of commercial America.

Cockney Suite.

Included in the dinner music from 3YA on Thurs-

day, March 2, is a recording of Albert W. Ketelbey's "Cockney Suite," five cameos of London life. In the first movement, "A State procession," one is to suppose that the King and Queen are going to open Parliament, and Pall Mall is crowded with onlookers. Pomp and pageantry, brilliant uniforms, and military bands all combine to make a brilliant spectacle, and this march is what might be played by the regimental bands as they pass along the route. In the second movement, "The Cockney Lover," the Cockney whistle, "Arf a pint of mild and bitter," has been employed as the leading theme in a little Cockney serenade. The suggestion (in the accompaniment of the second part) of "Little Brown Jug" indicates that the lovers have retired to a public-house, and the chimes from Big Ben and other buildings are intended to indicate that it is night and very near closing time. The sweethearts leave the public-house and the young fellow once more sings his melody softly to the girl. The third movement, "At the Palace de Dance," introduces a feature of the jazz bands in any "Palais de Dance," which is the way in which the key of the music is suddenly changed. This waltz has been treated in this manner (in the second part), and other "jazz" effects are introduced. The fourth movement, "Elegy," represents the serious thoughts which would occur to anyone on passing the Cenotaph in Whitehall. The second part, in the major key, suggests the feelings of affection and tender remembrance which would prevail in the hearts of sweethearts and wives, yet with a feeling of gratification that their loved ones had died in a noble cause. In the fifth movement, "Bank Holiday," Hampstead Heath on a bank holiday is represented by a lively dance tune of a country-like character. Then the mouth organs are heard as a preliminary introduction to a one-step tune to which "Arrie and Arriet dance. While it is proceeding, a cornet in the vicinity plays snatches of various other tunes roysterers bawl a few bars of "Tell Me the Old, Old Story"; another band plays a bit of "Semiramide" Overture, shouts of the showman (with a rattle), and a noisy steam-organ playing the old waltz "Over the Waves" are all heard, while the dance is still in progress. A return to the opening dance tune brings this suite to a lively conclusion.

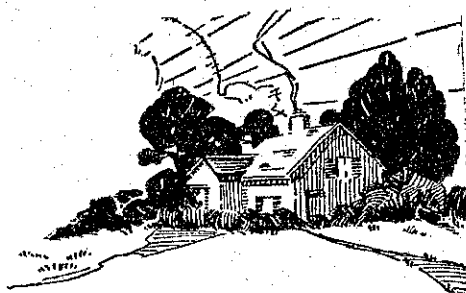
Rotary Conference

Relay by 2YA

ROTARIANS from all parts of the Dominion will assemble in Palmerston North next week, the occasion being the annual Rotary Conference on Monday, March 27.

The Conference will be opened at 12.30 p.m. by his Excellency the Governor-General, Lord Bledisloe, and the Broadcasting Board has finalised arrangements for his Excellency's address to be broadcast on relay by Station 2YA, the relay concluding at 1.30 p.m.

"The Miracle"



One-Act Play from 2YA

THE one-act playlet, "The Miracle," which Clement May and Company will broadcast from 2YA next Thursday, is something well out of the ordinary. It contains a charming story, which reminds one strongly of the writings of Sir J. M. Barrie, or Maeterlinck.

The scene, which is enacted in a small room, simply furnished, of a farmhouse in a rural English district, opens at sunset on an evening during the harvesting season.

The housewife is busy preparing the evening meal for those coming in from the fields. She is a very practical type of woman, with nothing of the romantic about her. The daughter, who is the centre of the story, and whose marriage is to take place the following day, is, at the moment, living for romance. She is admiring the sunset and speaking of its beauty when her mother calls her attention to the more practical things of life and explains how they would be necessary for her future happiness.

Into the scene comes a neighbour, who complains of the heat and burden of the day. Her eyes light on the daughter's wedding dress, and she becomes romantic, thinking of the time when she was about to be

married. But life has not dealt kindly with her, and her married life had been an unhappy one. She explains this at some length to the girl, so frightening her that she becomes almost afraid of what the future will be. Left to herself, she becomes saddened at the picture which her neighbour had drawn.

Mysterious music is heard in the distance, and into the picture comes a young man, whom she thinks she has seen before, but whom she cannot place in her memory. She notices a strange resemblance between him and the man she is about to marry. She bids him enter, finally putting him down in her mind as a visitor to the village, although there is something mysterious about him which she cannot understand. He talks to her, placing a different complexion on what the future will be, and tells her to go to the cottage and wait, for her marriage would be one of happiness and content. Eventually,

though she is loathe to let him go, he takes his departure, but remarks that he would be seeing her again.

It is a charming fantasy, delicately told and beautifully written. The end we must leave to the imagination of hearers.

The Cast:

The Mother Essie Gill

The Daughter... Eileen Bass

The Neighbour ..

Joan Spencer

The Man Clement May

Educational Broadcasts

Relayed from Training College

A NEW feature in broadcasting in the Dominion, and one which marks a decided step forward, will be inaugurated from 1YA on Monday, March 6, at 1.45 p.m., when the first of a series of educational broadcasts will be relayed from the Auckland Training College.

When educational sessions have been broadcast in the past they have been given from the studio of the station concerned, but in respect of the new series from Auckland a permanent relay line has been installed from the Training College to 1YA, and the broadcasts will actually be given from the class rooms, where the speakers will have their classes before them.

One of the principal advantages of relaying from the class rooms will be

that in cases where it is necessary to give illustrations, as for example in music, students from the Training College or children from the Normal School, will be available for demonstration purposes.

The principal of the Auckland Training College, Mr. D. M. Rae, has arranged for broadcast programmes to be carried out by the staff of the college, and the Education Board has appointed a committee, consisting of the Senior Inspector of Schools, the principal of the Training College, one representative of the Auckland Headmasters' Association, and one representative of the board, to control the programmes for the proposed broadcasts. This innovation should make a very wide appeal to the schools and other educational authorities, and will doubtless be watched with critical interest by all those who have the interests of broadcasting at heart, and do not look upon it merely as a form of cheap entertainment.

W.E.A. Talks

New Series from 1YA and 2YA

THE Workers' Educational Association's talks from 1YA and 2YA, will be resumed in March with the following series of talks:—

From 1YA

(1) Wednesday, March 1, and on the three following Wednesdays:—

"Antarctic Exploration and Research," by Mr. R. A. Falla, M.A. (member of the recent Mawson Expedition of 1929-31).

1. The Antarctic Regions.
2. South Polar Exploration.
3. Bird Life in Antarctica.
4. Southern Whales and Antarctic Whaling.

(2) Thursday, March 2, and on the three following Thursdays:—

"Giants of German Music," by Mr. Owen Jensen, L.A.B.

1. Bach.
2. Beethoven.
3. Brahms.
4. Wagner.

From 2YA

(1) Thursday, March 16, and on the three following Thursdays:—

"The Middle Ages and Ourselves," by Mr. G. W. von Zedlitz, M.A.

1. "Mediaeval and Modern Contrasts."
2. "Religious and Philosophical Thought."
3. "Political and Economic Thought."
4. "Conclusions."

(2) Saturday, March 18, and on the three following Saturdays:—

"The Survey of Music," by Mr. John Bishop.

1. Folk Song and Early Period."
2. "Classical Music."
3. "Romantic Music."
4. The Modern Period."

A Novel Relay

JUST prior to the Presidential election in the U.S.A., the Columbia Broadcasting Co. sent its star announcer into the streets of New York with a lapel microphone and the necessary equipment to interview the "man in the street" among the candidates. The conversations were broadcast and some of the assertions were terse and refreshing. The switch had to be used often with rapidity. It has been suggested broadcasting authorities might learn a great deal if such a broadcast were repeated in connection with programmes.

A Curious Anniversary

THE one-hundredth anniversary of the first appearance of the horse-drawn street-car, the first of its kind in the world, was commemorated recently by a special programme from an American studio. Dramatists provided a vivid story of the memorable day when four prancing horses drew two brightly-painted coaches through the New York streets. The people of those days were convinced that maximum speed had been attained.

"Charley's Aunt"

Rollicking Comedy from 3YA

Brandon Thomas's farcical comedy, "Charley's Aunt," which will be broadcast on relay by 3YA on Saturday next, is perhaps the best farce ever produced on an English stage. It created a tremendous sensation when first produced in London nearly forty years ago, and ran for 1466 consecutive nights. It is packed with the most ludicrous incidents and absurd situations, and varies from the stage of simmering amusement to the ridiculously and wildly funny. The central idea of "Charley's Aunt"—the substitution of a burlesque character for the genuine one—has been presented in a hundred different forms, but we have equalled the old favourite in wholesome comedy and absurdity of situation.

THE story of "Charley's Aunt" goes with a shriek from the first. Jack Chesney and Charlie Wyckham, two undergraduates of Ole's College, are very much in love with Kitty Verdun and Amy Spettigue. Mr. Spettigue, the pompous guardian of the two girls, does not approve of the young fellows who, though of good family, have the deplorable habit of living beyond their allowances.

Charley receives word to say that a rich aunt whom he has never seen, Donna Lucia d'Alvadorez, has returned to England and intends calling upon him at the college. This gives Charley and Jack a chance to invite the girls to luncheon in their rooms.

Just as the young scapegraces are working out their plan of campaign, Lord Fancourt Babberley, a fellow-student, arrives and coolly proceeds to empty the larder of the few bottles of champagne that remain. He is caught in the act, and Jack and Charley endeavour to persuade him to join the luncheon party in order to entertain Charley's aunt, while the other two make love to their innamoratas.

Lord Babs, as he is called, has a penchant for amateur theatricals, and asks to be allowed to rig himself out in the character of an old lady he has to play. While he is dressing in Jack's room the girls arrive.

Just at this stage Charley receives a telegram from his aunt stating that she has been delayed and will not be able to keep her appointment until later. The girls, on hearing this, become alarmed and say that they will go shopping until Charley's Aunt arrives. The lovers are disconsolate, until Babs appears in the guise of a very eccentric old lady. Then a brilliant idea occurs to Jack. Why not pass Babs off as Charley's aunt? They confide the plot to Babs, and obtain his grudging consent just as the girls return.

Both girls fall absolutely in love with the dear old lady, and Jack and Charley are driven frantic with jealousy as their sweethearts sit on the old lady's lap and fondly caress her. The appearance of Jack's father and Mr. Spettigue on the scene considerably complicates matters. The old gentlemen, no doubt attracted by the old lady's millions, lay violent siege to her heart, and the rivalry leads to open hostility.

Things go on merrily until the arrival of the real Charley's aunt complicates matters to a degree. Finding she is being impersonated in this mysterious way, she conceals her identity, and curiously watches the proceedings, occasionally causing dilemmas by asking awkward questions which the "lady" from Brazil finds difficult to answer.

In the meantime the colonel and the lawyer are still both desperately striving to

secure the hand of the bogus aunt. Finally, after being chased round the garden by the ardent Spettigue until "she" is at last cornered in the drawing-room, "she" accepts him, after wheedling him into giving a written consent to the marriage of the girls, for whom he is guardian.

He is pompously announcing his engagement when he is disillusioned, the young man, having disappeared as "auntie," reappearing in his ordinary dress. At the right time the real aunt discloses her identity, and when explanations ensue her forgiveness is graciously announced.

Sir Francis Chesney succeeds in winning the real Donna Lucia, and matters are arranged amicably and satisfactorily to all in the end, except to perhaps Spettigue, whose humiliation and disgust in discovering that he has proposed to a man is indescribable.



"CHARLEY'S AUNT."

Many listeners will remember Norman Aitken (pictured above, in the title role), who toured New Zealand in 1914-15 with an amateur company, playing "Charley's Aunt" and "The Private Secretary."

THE CAST

Jack Chesney Alan W. Brown
Charles Wyckham Harold Shaw
Lord Fancourt Babberley

Bernard Beeby

Sir Francis Chesney .. E. Worthington
Mr. Spettigue Cyril Collins
Brassett Claude Davies
Donna Lucia d'Alvadorez

Agnes Richardson

Kitty Verdun Audrey Cotterill
Amy Spettigue Pessy Hollander
Ella Delahay Mavis Ritchie

Producer: Bernard Beeby.

"CHARLEY'S AUNT" was written by Brandon Thomas in 1892, and it made his fortune, as well as the fortunes of several others. It is said the author drew as much as £3000 a week in royalties at one time, while a city man who put £1000 into the first venture received a return of £37,000.

How "Charley's Aunt" came to be written was told by the author as follows: "Charley's Aunt" was the result of an accident. One day I was going down to Staines, and in the train I met Penley (an actor friend), who asked me to write him a three-act play. 'But,' I said, 'it is so difficult to know what to do for you. You have played nearly everything in your time, from the parson to the blackleg, from the monk to the rake. Whatever can I do for you?' A thought suddenly struck me. Prompted by an amusing likeness he bears to an elderly relative of mine, I asked him if he had ever played a woman. His eyes twinkled, and he said he had not, but that he had often thought he would (Continued on page 20.).

STATIC

by "Spark"

A Welcome feature of the Dame Sybil Thorndike Company's broadcast of an abridged version of "The Merchant of Venice" was the absence of declamation. Thespians, famed or insignificant, too often employ stump-oratory methods when interpreting Shakespeare. Will himself did not do so, I'm certain—he knew men, and particularly audiences, too well. I don't know how long it is since players made "The Merchant of Venice" a comedy, but the moderns do not succeed very well. It may be necessary to wait until one of the repertory societies interprets the play as Shakespeare intended, and although I was glad to hear so renowned a company broadcast, I became terribly tired of the women's voices, which seldom broadcast well.

THE talk on the Dutch East Indies, prompted by the mutiny of portion of the crew of the "Seven Provinces," given by Dr. Guy H. Scholefield in his weekly analysis of current world affairs, was an illuminating one that would be appreciated by all listeners to 2YA. It was mentioned that the mutiny was not unique in recent history, for Portugal and Russia had experienced naval insubordinations lately. If my memory serves, I seem to recollect that Britain had incipient trouble with naval ratings recently over furlough and manoeuvres, and explanations that everything was in order in the emaciated Australian navy, a week or two back, had a spurious ring about them. Naval undiscipline is becoming a habit, caused very often by superior officers of the navies, who like Gilbert's admiral—never went to sea. It was pointed out by Dr. Scholefield that the "Seven Provinces" mutiny was due to racial discrimination in economy measures, and that sounds like the work of a clerical official, with very little understanding of the hands that feed him.

DR. SCHOLEFIELD recalled the fact that Holland had never made any pretence about her colonising being for her own pecuniary benefit, and the reason for Tasman's voyage when New Zealand was discovered was to find more land that could further enrich her. When William the Silent commenced his century and a half war to throw off the Spanish yoke, seven provinces combined, and as the speaker mentioned, New Zealand was named after one of them. In the re-shuffle after the Napoleonic wars, Holland regained Java, and Sumatra became Dutch—(some of the Sumatra natives have not forgiven us for that, and the Dutch have remained at armed peace with them ever since.) Holland's colonies are worth fifty millions a year to her, and in addition, a large number of pensioners have found profitable employment and comfortable retirement in serving the colonies. In The Hague alone, there were over 65,000 pensioners. It was natural that Holland should take a serious view of the mutiny, for her very existence is dependent upon income from her colonies.

THE Dutch in ruling Eastern peoples have tried many sociological experiments, and their colonial navy's personnel is three-fifths Javanese. The British have been generous with native peoples, but the Dutch have exceeded our limits of toleration. They have never interfered with country customs,

and have sought through co-operation with local sultans to control the Indies' sixty millions and more of population. Popular education in Java is liberal and intermarriage carries no stigma. The growth of nationalism in Java has been slow, but to-day the country enjoys practical independence. There hardly exists any anti-Dutch feeling, and disturbances usually take the form of protest against Capitalism. The natives are anxious to demonstrate that they are capable of governing them-



Will broadcast two Comedy Sketches

"Clapper & Dwyham"

And

"Raw Recruit"

(No. 2.)

From 4YA on

SATURDAY, FEB. 25.



selves, and Holland, solicitous of retaining power that provides her existence, has not been slow in instituting machinery to consolidate her control. The Chair of Indology at Leiden University is one example of Dutch sagacity, and Java being prolific and the Netherlands' organising methods being efficient, the Javanese have experienced a prosperity, individually and corporately, that has been conducive to human happiness.

I HAVE always had an expanding admiration for Dutch rule, as I have for the emaciated vrain, who in twelve months' residence in the Indies becomes a mountain of flesh. The Dutch are not over pedagogic, whipping posts are still to be seen in public places, and although the Government official, especially in Batavia, is the most unapproachable person on earth, the methods seem to have succeeded. That he will be any more tolerant or human when armed with a diploma of Indology is doubtful. The Dutch are practical. I remember several years ago a few returned pilgrims from Mecca disturbed the customary calm of the stay-at-home

Javanese. The Government settled that in a month or two. Every steamer they could charter took pilgrims to Arabia—fare five guilders—and hajis and the green fez were as common as cocoanuts. Believing that a half-caste population would cement the bonds of friendship, some years ago the Dutch employed measures which would make the Britisher stand aghast, but which didn't last long. Too many hajis took positions that were previously open to the full blonde only, but for all that Miriam may still become vrain without a blush under her tan, and Abdullah may yet become a Hollander by discarding his petticoat and donning trousers—if he only pays the white man's taxes.

THE talk by Dr. Carberry (2YA), on "Art in Modern Life," had nothing academic in it, and was for the broadcast listener. The speaker did not decry mechanisation but expressed the opinion that science had done much to popularise art appreciation. It was said that many erroneously thought that art was a luxury, but every phase of human activity shows that it is necessary and useful. The lithograph machine, which reproduces with great fidelity, the gramophone, which gives a semblance of wonderful combinations, and the uncanny moving-picture that loses little by translation into mechanised form, point to the machine holding out great hope for the future. Snobbery in art circles still prevails, and the reason of a fashionable portrait-painter's large income, compared to that of his confrere who specialised in landscapes, may be ascribed to the very human failing. Dr. Carberry was of the opinion that the recent international exhibitions held in London, when other countries sent their most priceless treasures to be placed on view, had stimulated racial amity in showing that the cherished of one nation was not dissimilar to that of all. A plea was made for the hanging of the Empire Marketing Board's posters in every school. Superior persons sniffed at these, but they were originated by artists of renown, and were a reliable step toward the appreciation of better works.

TIME has proven that our co-partners, the Maoris, were not the ferocious savages that early history made them out to be, and the researches of Mr. Johannes Andersen have done a great deal to make widely known that the European ruffians they came in contact with in early days were often a brutish lot who merited the slaughter they sought. Excuses that differences of mental viewpoints were responsible for some of the tragedies are feeble, and the incident of the massacre of the crew of the Jean Bart at the Chatham Islands, was a righteous one that called upon high heaven for vengeance. Misunderstandings can arise among people whose outlooks have a commonality, but the European savages who endeavoured to establish amicable relations with the Maori, were more than bereft of human meekness. The greatest figures in our history

found no difficulty in discovering that the Maori was of a noble race—was Nature's own gentleman. Every listener with the faintest spark of justice in his being will trust that Mr. Andersen will continue to deride the fiends of whom we are ashamed.

IN the very interesting talk on Samoa from 2ZW, Mr. Byron Brown omitted to mention a factor which made possible the fine seamanship that took the H.M.S. Calliope from harbour during the hurricane that wrecked the warships of other nations. Had it not been for Westport coal—so easily ignited and with such wonderful steaming qualities—the Calliope may have left her bones in Samoa harbour, too. Mr. Brown reminded us that we hold the mandated territory in trust, and one day it may be handed back to Germany. The poor Samoans—first one master and then another, and prospects of a further change! The balance of power in the Pacific makes German representation a necessity, and self-determination will take no account of the Samoans or the Mau.

THAT deafness has its compensations was very humorously attested by Mr. E. W. Ackland in his talk from 2YA on "The Philosophy of Deafness." One half the world does not know how the other half lives, and the speaker is convinced that nine-tenths of the people do not realise how much suffering there is. The deaf commiserate the blind and the blind feel sorrow for the deaf, but Mr. Ackland is perfectly satisfied with his disability. Although a person with all physical senses extant for development, is twenty-five per cent. better equipped than one bereft of one sense, concentration upon the remaining senses usually adjusts the balance, and when the deficiency is from birth, it is no more missed than the omission of eyes at the back of the head. Mr. Ackland asserted that after training the deaf are not lonely—they have their day dreams and revel in thought, can sleep in church undisturbed, and are not bothered with cats on the roof at night. They are immune from bores, do not suffer from the barber's apoplexy, get no jury service, and as witnesses in court can get the most astute cross-questioning counsel thoroughly rattled. As a matter of fact, the normal individual does not listen to half the noises of which he is conscious. Mr. Ackland admits he is a great reader of the news papers—reads regularly all the death accidents, marriages, and other tragedies, and then reposes peacefully in thought. The regulation prohibiting the deaf to drive a motor is, he thinks, ridiculous, for he has yet to learn that the eyes are not better than the ears, and has never heard of a car accident that could be attributed to deafness. Mr. Ackland's cheery content and voice is assured of many interested listeners.

THE tribute paid by Mr. W. E. Leicester (2YA) to the owner of the Mary Celeste, who seemed inordinately anxious to meet the claims of salvage made by the Dei Gratia, is pleasing to record. Such action by a shipowner whose vessel and cargo were uninsured was bound to arouse grave suspicion in the Vice-Admiralty

Court that investigated the circumstances surrounding the abandonment of the Celeste. The callousness of the captain of the salvaging vessel, together with his abusive attitude, the discoveries of independent surveyors, and the suddenly awakened interest of the American Consul, who, Mr. Leicester avowed, could not resist the opportunity of waving the star-spangled banner, did little to elucidate the mystery. The finding of the court and the adjustment of the claims, after so much conflicting evidence, was bound

to leave some interests dissatisfied, and if America retained any belief that a properly constituted British Admiralty Court had failed to weigh justice with an even hand, she may surely regard the loss of the Titanic as the opportunity for reprisal. The evidence at the inquiry and the attitude of some of the witnesses did nothing but increase the mystery, and we are all eagerly awaiting Mr. Leicester's recounting of some of the theories advanced as possible explanations of reason of the Celeste's abandonment.

The Southern Stations by "Proton"

MENTION by Mr. J. T. Paul (4YA) that three-quarters of the Continent of Africa is within the tropics, suggests that in years to come we may realise that to call it the Dark Continent was a misnomer. Northern Europe and our own draughty country are quite good cattle territory, where cows grow hides and sheep grow wool to keep the cold out. We spend a very substantial portion of our income for indigestible heating foods, for fuel and irksome clothing, just to be a little less comfortable than the unintellectual sheep. The acquisition of land in Northern Africa may not be merely Europeans seeking for resources to sustain an artificial civilisation, but it may be blind evolution forcing sapient man to live by the powers of reason. Before the next glacial period all Europe may have been abandoned to the trees, the grass, the coated animals, and the ostracised from Arcady within the Tropics of Cancer and Capricorn.

THIS year Dunedin has the good fortune to be the battle ground of the band contest, and listeners to 4YA during the week will hear some good band music well performed. Brass bands in New Zealand have reached a high stage of efficiency, and the best of them would ornament musical circles in any country. Although it is well known that contests have been regularly held for a number of years, it is probably not so widely known that the first in Britain was not conducted until 1845. In those days it was customary for the Baronry to entertain the people of the county with festivals, during which the ladies and gentlemen played at falconry, archery, assault-at-arms, medieval games, Morris dances and athletics, while the mantry and cottars assisted in the pleasantries by exhibiting displays of fruit, flowers, vegetables, and handiwork. High revelry was held for a week or more, neighbourliness prevailed, and all were happy in "Merry England."

THE Ladies Chichester, helping in the organising of the Magdalene Feast—which Sir Clifford and Lady Constable were giving at Burton Constable, suggested a brass band contest as a variant to the usual competitions. They had witnessed similar contests in the South of France, and the hosts, being captivated with the idea, sent news abroad that a brass band contest would be included. Each band was limited to twelve performers. Eight combinations took part in the proceedings, the

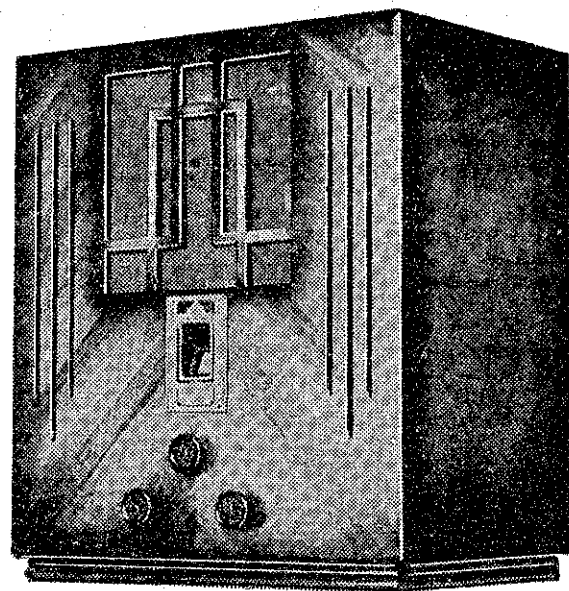
winners taking a prize of £12. The second band was solaced with a prize of £8. Thereafter band contests became a feature of county festivals, and this was largely instrumental in stimulating interest in brass bands, and the ultimate forming of the Bands' Association.

THE history of military bands goes back nearly 100 years more. 171 years ago the famous band of the Royal Artillery was formed, and officially recognised. It consisted of a bandmaster and eight privates, and strange to say, for some years the musicians of the regiment appear to have been all foreigners, mostly Germans and Italians. Band music remained in a forlorn condition, however, until Boosey and Co. took the matter up in 1845—about the time of the first brass band contest. With Boosey's active co-operation a new era dawned. Band music has not looked back since. The next important step was the establishment of Kneller Hall, known since 1887 as the Royal Military School of Music. This academy has turned out most of the famous bandmasters in England, and among New Zealand's best wind instrumentalists are representatives from the famous Kneller Hall.

3YA is a wretched station to listen to in Wellington, and everyone will be glad when the board's new transmitter is erected on Banks Peninsula. The present station does everything it can to annoy, and its vagaries are beyond the powers of the most efficient volume control, but for all that I enjoyed the syncopated journey—interruptions between bars—or "pub crawl," that was part of the fare from Christchurch on Saturday night. Mr. Curry took us back to the days of George Borrow and Dr. Johnston, and all would have enjoyed the rousing carousals in some of the inns that to-day have "Ichabod" writ large in the sawdust of the taproom floor. We enjoyed, too, the navy's feed in the chop-houses, that by grace of beneficent Toryism, exist to-day, and were glad to be reminded that even the motor has left unmolested a few of the taverns—licensed for music and dancing—where good company still forgothers. Many famous entertainers have graduated from the inns where audiences are helpfully critical, and although we in New Zealand have paid too much attention to queer people, I'm sure we all hope the taverns survive in England—whence we receive our inspiration.

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Programmes for Week ending March 4

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1YA Auckland 820 kc.

2.0: Selected recordings.

4.30: Close down.

6.0: Children's Song Service, by "Uncle Bert."

7.0: Relay of Evening Service from the Baptist Tabernacle. Preacher: Rev. Joseph Kemp. Organist and Choirmaster: Arthur E. Wilson.

Concert Programme.

8.30: (approx.): Relay of Municipal Band Concert from Albert Park, conducted by Mr. George Buckley.

Spanish March, The Band, "Cadiz" (Valverde).

Overture, The Band, "Les Cloches de Corneville" (Planquette).

Cornet, with Band, Fred. Bowes, and the Band, "The Rosary" (Nevin).

Rhapsody, The Band, "Hungarian" No. 2 (Liszt).

Clarinet with Band, Ed. Pheloung, "Polka Caprice" (Mayeur).

Descriptive Selection, The Band, "A Motor Ride" (Bidgood).

Piccolo, with Band, Hal. C. McLennan, "The Marion" (Allen-de Ville).

Intermezzo, The Band, "Chanson Bohémienne" (Blond).

Selection, The Band, "Supplication" (Baynes).

Descriptive March, The Band, "Roaring Volcano" (Paul).

Selected recordings.

10.0: Close down.

2YA Wellington 720 kc.

2.0 to 4.30: Selected recordings.

6.0: Children's Song Service, by Uncle George, assisted by the children's choir from the Miramar Presbyterian Church.

7.0: Relay of Evening Service from St. Thomas's Anglican Church, Wellington South, Preacher: Rev. C. V. Rooke. Organist and Choirmaster, Mr. W. A. Gatheridge.

Concert Programme.

(Relay to 2ZD, Masterton.)

8.15 (approx.): Concert by the Wellington Chamber Music Players and 2YA Artists.

Instrumental, Wellington Chamber Music Players, "Pianforte Quintet in E Flat" (4th Movement—"Allegro Ma Non Troppo") (Schumann).

Baritone, Mr. W. E. Bell, "Muleteer of Mulaga" (Trotter).

Recording (Descriptive Ballad), Columbia Dramatic Players, "Caller Herrin" (Gow).

Violin, Mr. Leon de Mauny, "Scenes de Ballet" (de Beriot).

Contralto, Miss Mary Bald, "Wait Soul of Mine" (Hemery); "Ring Bells Ring" (Day).

Instrumental, Wellington Chamber Music Players, "Trio in D Minor" (1st. Movement "Allegro" (Arensky).

Weather report and station notices.

Sunday February 26

Church Services: 1YA. 7.0 p.m. Baptist Tabernacle; preacher, Rev. Joseph Kemp.

3YA. 7.0 p.m. St. Thomas' Anglican, Wellington South; preacher, Rev. C. V. Rooke.

3YA. 7.0 p.m. St. Paul's Presbyterian; preacher, Rev. A. C. Watson, M.A.

4YA. 6.30 p.m. Knox Presbyterian Church; preacher, Professor S. F. Hunter, D.D.

After Church Concerts: 1YA. Relay of Municipal Band Concert from Albert Park.

2YA. Programme by Wellington Chamber Music Players, and 2YA artists.

3YA. Tenor Recitals by Hubert Carter.

4YA. Relay of programme from 3YA, Christchurch.

Recording (Male Trio), The Melody Three "Pals Just Pals" (Ruby); "Remember Me To Mary" (Seft).

Violin-Cello, Mr. Claude Tanner, "Après Un Reve" (Faure); "Scherzo" (Van Goens).

Baritone, Mr. W. E. Bell, "Spanish Gold" (Fischer); "Ma Little Banjo" (Dichmont).

Recording (Cornet), Jack Mackintosh, "Il Bacio" (Arditi).

Contralto, Miss Mary Bald, "Thank God for a Garden" (del Riego); "Ave Maria" (Luzzi).

String Quartet, Wellington Chamber Music Players, "The Londonderry Air" (Bridge).

Recording (Quartet), Isobel Baillie, Clara Serena, Francis Russell and Norman Allin, "Sacred Songs" (Vocal Gems), (Various).

Two Trios, Wellington Chamber Music Players, "Melody in F" (Rubinstein); "Hungarian Dance No. 2" (Brahms).

Recording (Tenor), Harrington Hooper, "Lolita" (Pecia).

Recording, National Military Band, "March from 'Tannhauser'" (Wagner). Close down.

3YA Christchurch 980 kc.

2.0: Selected recordings.

4.30: Close down.

5.30: Children's Song Service by children of Presbyterian Sunday Schools.

6.15: Selected recordings.

7.0: Relay of Evening Service from St. St. Paul's Presbyterian Church, Cashel Street. Preacher: Rev. A. C. Watson, M.A. Organist, Norman Williams. Choir Conductor: H. Blakeley.

Concert Programme.

8.15 (approx.): Overture, Studio Orchestra, Conductor H. G. Glaysher, "Romantic" (Keler Bela).

8.24: Contralto Belle Renaut, "Indian Senerade" (Orlando); "Evening Boat Song" (with orchestra) (Schubert).

8.30: Recording: Selection, Band of H.M. Coldstream Guards, "Pirates of Penzance" (Sullivan).

8.34: Tenor, vocal Recital, Hubert Carter, A Group of Modern Russian Songs—(a) "The Cornfield" (Rachmaninoff); (b) Deaths Senerade" (Moussorgsky).

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On
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sky); (c) To Echoes of Music We Dance" (Arensky); (d) "Was Not in Yonder Field" (Tschaikowski); "Come Sweet Pretending" (Bleichmann).

8.48: Studio Orchestra, Intermezzo "Serenata" (Mario Tarenghi).

8.55: Recording: Choral, Branscombe's Westminster Glee Singers, "The Village Blacksmith" (arr. Branscombe).

8.58: Recording, Cornet, Jack Mackintosh, with Military Band, Scherzo "Showers of Gold" (Clarke).

9.1: Weather report and notices.

9.3: Studio Orchestra, "Anitra's Dance" (Grieg); "Minuet in G" (Beethoven); "Celtic Dance" (Bullard).

9.10: Recording: Branscombe's Westminster Glee Singers, "Sally in Our Alley" (arr. Branscombe).

9.13: Recording: Violin, Dr. Eugene Ormandy, "Hymn of the Sun" (Rimsky-Korsakov).

9.16: Contralto, Belle Renaut, "Fairly Lures" (Stanford); "Soul of Mine" (Ethel Barnes); "Twins in the Lovely Month of May" (with orchestral accompaniment) (Schumann).

9.21: Recording: Band of The Garde Republicaine of France, "The Two Pigeons" (Messager).

9.29: Tenor Vocal Recital with violin obligato, Hubert Carter (with violin obligato by Norma Middleton) Songs with violin obligato (a) Berceuse "Quand tu chantes" (When you sing), (Gounod); (b) Canto Sorrentino (Song of Sorrento) (Carmela), (De Curtis); (c) "Ave Maria" (with violin and organ obligato) (Bach-Gounod); (d) "Those Songs of Georgian Lands" (Rachmaninoff).

9.42: Studio Orchestra, "The Doll's House" Suite—(a) Minuet, "The Blue Boudoir"; (b) Caprice, "The Miniature Piano"; (c) Berceuse, "The Sleeping Doll"; (d) Galop, "The Clockwork Two-seater" (Engleman).

9.53: Recording: Soprano Gladys Moncrieff with orchestra, "Gipsy Moon" (Bor-ganoff).

9.56: Recording, Grand Russian Ballet Orchestra, "Russian Medley" (Michailowsky).

10.2: Close down.

4YA Dunedin 650 kc.

2.0: Selected recordings.

4.30: Close down.

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

6.15: Selected recordings.

6.30: Relay of Evening Service from Knox (Presbyterian) Church, Preacher: Professor S. F. Hunter, D.D. Organist and Choirmaster: C. Roy Spackman.

7.45: Selected recordings.

8.0: Weather report.

Concert Programme.

8.15: Relay from 3YA, Christchurch.

10.0: Close down.

2YB New Plymouth 1230 kc.

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

7.0 to 8.15: Church relay.

8.15 to 10.0: Studio concert.

1YA Auckland
Monday 27. 820 kc.

- 10.0: Devotional service.
10.15: Selected recordings.
11.0: Talk, Mr. Percy Hamblin, "Care of the Feet."
11.15: Selected recordings.
12.0: Lunch music.
2.0: Selected recordings.
3.15: Home Science Talk, prepared by the Home Science Extension Service of Otago University, "The Use of Rayon as a Textile Fabric."
3.25: Selected recordings.
4.30: Weather report for farmers.
4.32: Selected recordings.
5.0: Children's hour, by "Jack and Jill."

Dinner Music.

- 6.0: National Symphony Orchestra, "Orpheus in Hades" Overture (Offenbach). Brunswick Concert Orchestra, "A Thousand Kisses" Waltz (Joyce). Minneapolis Symphony Orchestra, "Prelude to Khovantchina" (Rimsky-Korsakoff).
6.16: New Light Symphony Orchestra, "Persiflage" (Francis). Philadelphia Symphony Orchestra, "March of the Caucasian Chief" (Iwanoff). Dajos Bela Orchestra, "O Sole Mio" (Dance Characteristique) (arr. Lindemann).
6.27: J. H. Squire Celeste Octet, "An Old Church Legend" Intermezzo (Trincoen). Regimental Band of H.M. Grenadier Guards, "La Benediction des Poignards" (Meyerbeer). Royal Opera Orchestra, Covent Garden, "The Sleeping Beauty" Waltz (Tchaikowsky). New Mayfair Orchestra, "Sons o' Guns" Selection.

- 6.45: De Groot (violin), David Bor (piano), H. M. Calve (cello), "Selection in Hebrew Melodies" (arr. Saunders). De Groot and His Orchestra, "Samson and Delilah" Selection (Saint Saens). Barnabas von Geazy and His Orchestra, "Pardon, My Lady" Tango (Jager). Pavilion Lescant Orchestra, "Pan and the Wood Goblins" (Rothke).
7.0: News and reports.
7.30: Agricultural Talk, Department of Agriculture, "Permanent Pasture Species."

Concert Programme.

(Relay to 1ZLH, Hamilton.)

- 8.0: Overture, Auckland German Club Orchestra, "The Marriage of Figaro" (Mozart). March, Auckland German Club Orchestra, "Under the Double Eagle" (Wagner).
8.8: Recordings (Baritone), Denis Ludd, "Funiculi Funicula" (Oxenford). (Piano), Raie da Costa, "Blue Again" (McHugh).
8.14: Waltz, The Orchestra, "The Blue Danube" (Strauss).
8.22: Recording (Humour), William McCulloch, "Old Soldiers Never Lie" (Stoddart).
8.28: Cornet, Charles Hayes, "Lucille's Caprice" (Code).
8.33: Recordings, The Mariners Trio, "Down the River of Golden Dreams" (Shilkret); Organ, Jesse Crawford, "Dreaming the Waltz Away" (Shilkret); Tenor, John McCormack, "The Garden Where the Praties Grow" (Old Irish).
8.42: Ballet Suite, The Orchestra, "Coppelia" (Delibes).
8.52: Recordings (Humour), Stanley Holloway, "The Lion and Albert" (Edgar); Violin, Edith Lorand, "Dance Espagnole" (Kreisler).
9.0: Weather forecast and notices.
9.2: Resume of description of Fifth Test Cricket Match England v. Australia.
9.7: Reserve.

Monday

February 27.

Evening Talks: "Permanent Pasture Species"—Agricultural Talk. 1YA, 7.30.

- "Books: Grave and Gay," 2YA Book Reviewer. 2YA, 7.40.
"Art in New Zealand," Dr. A. D. Carberry, C.B.E. 2YA, 8.40.
"Foreign Affairs," Mr. L. J. Cronin. 4YA, 9.2.

Features: All YA Stations: Resume of day's play in Fifth and Final Test Match—England v. Australia. 9 p.m. (approx.).

- 1YA. Auckland German Club Orchestra.
2YA. Kathleen Ferris (soprano); Mr. R. H. Eskrigge (tenor).
3YA. Derry's Military Band.
4YA. Selected recordings.

9.22: Folk Song, The Orchestra, "Viennese Melody" (Gaertner).

9.26: Recordings, Clapham and Dwyer, "A Day's Broadcasting" (C. and D.). "The Bombardiers American Regimental March."

9.32: Contralto, Muriel Neale, "A Farewell" (Liddle). Rhapsody, The Orchestra, "Slavonic Rhapsody" (Friedmann).

9.44: Recordings (Humour), Jack Hulbert, Cicely Courtledge, Irene Russell, John McLaren, "The House That Jack Built."

9.52: Potpourri, The Orchestra, "German Folk Songs" (arr. Recker).

10.0: Close down.

2YA Wellington
Monday 27. 720 kc.

- 10.0: Selected recordings.
10.30: Devotional service.
11.30: Lecturette, "Health Hints or First Aid."
12.0: Lunch music.
12.30: Relay of Governor-General's address at opening of Rotary Conference, Palmerston North.
2.0: Selected recordings.
3.0: Talk prepared by the Home Science Extension Service of Otago University, "The Use of Rayon as a Textile Fabric."
3.30: Special weather report and sports results.
4.0: Special weather report.
4.30: Sports results.
5.0: Children's hour, conducted by Hinwatha and Buffalo Bill.

Dinner Music.

- 6.0: Berlin State Opera House Orchestra, "A Midsummer Night's Dream"—Wedding March (Mendelssohn). Herman Finck and His Orchestra, "Waldfestliche Memories" (arr. Finck). Grand Symphony Orchestra, "Zampa" Overture (Herold).
6.20: Mandoline Concert Society, "Echoes of the Volga" (Ritter). New Mayfair Orchestra, "Wake Up and Dream" Selection (Porter). The A. and P. Gipsies, "White Acacia"; "Petite Causerie" (Stone). Organ, G. T. Pattman, "Worryin' Waltz" (Fairman).
6.37: Dajos Bela Orchestra, "Traum-ideale" (Dream Ideal) (Fuehl). Dajos Bela Orchestra, "Souvenir" Valse Boston (Pazeller). Sandor Joszi Orchestra, "The Hobgoblin's Story" (Brecht).
6.48: International Novelty Quartet, "The Veleta" (Morris). Chicago Symphony Orchestra, "Traume" (Dreams) (Wagner). London Palladium Orchestra, "Vivienne" (Finck).
7.0: News and reports.
7.40: Lecturette, Our Book Reviewer, "Books—Grave and Gay."

8.40: Lecturette, Dr. A. D. Carberry, C.B.E., President of N.Z. Association of Fine Art Societies, "Art in New Zealand."

- 9.0: Weather report and notices.
9.2: Selection, The Orchestra, "Norwegian Dances," Nos. 1 and 2 (Grieg).
9.10: Recording (Comedy Scene). Nellie Stewart, "Sweet Nell of Old Drury" (Comedy Scene from Act 1).
9.14: Tenor with Orchestra, R. H. Eskrigge, "For You Alone" (Geel); "Pale Moon" (Knight-Logan).
9.20: Selection, The Orchestra, "Tales of Hoffmann" (Offenbach).
9.30: Recording (Bass and Male Chorus), Paul Robeson, "Negro Spiritual Melody."
9.34: Soprano, Miss Kathleen Ferris, "Ah! Fors-e-lui" (Verdi); "Parla Valse" (Arditi).
9.40: Instrumental, The Orchestra, Three Dances from "Nell Gwynn" (German).
9.50: Recording (Humour), Sir Harry Lauder, "Lass of Killiecrankie" (Lauder).
9.54: Valse, The Orchestra, "Vienna Life" (Strauss).
10.0: Dance programme.

3YA Christchurch
Monday 27. 980 kc.

- 10.0: Devotional service.
10.15: Selected recordings.
11.0: Talk, Miss K. Buckhurst, "Art-crafts."
11.15: Selected recordings.
12.0: Lunch music.
2.0: Selected recordings.

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3.15: Talk, prepared by the Home Science Extension Service of Otago University, "The Use of Rayon as a Textile Fabric."

3.30: Sports results. Progress reports of Test Cricket, England v. Australia.

4.30 Special weather forecast and sports results.

5.0: Children's hour, by "Aunt Pat."

Dinner Music.

6.0: Regal Salon Orchestra, "Memories of Beethoven" (Beethoven). Marek Weber Orchestra, "Luna Waltz" (Lincke). Royal Opera Orchestra, "Carmen" Entr'acte and Ballet No. 1 (Bizet). Dajos Bela Orchestra, "Eldgaffeln" (Landen).

6.20: J. H. Squire's Celeste Octet, "Putting the Clock Back" (arr. Squire). Organ, Jesse Crawford, "I'll Close My Eyes to the Rest of the World" (Friend). Grand Symphony Orchestra, "Raymon" Overture (Thomas).

6.40: J. H. Squire's Celeste Octet, "Air on G String" (Bach). Rio Novelty Orchestra, "Spaventa-Tango" (Pares). Grand Symphony Orchestra, "Tales of Hoffmann" Entr'acte and Minuet (Offenbach). J. H. Squire's Celeste Octet, "Memories of Devon" Valse (Evans).

6.51: Grand Symphony Orchestra, "Japanese Lantern Dance" (Yoshitomo). Marek Weber and Orchestra, "Blumenlied Op. 39" (Lange).

7.0: News and reports.

Concert Programme.

8.0: Chimes. March, Derry's Military Band, H. Gladstone Hill, Conductor. "Gladiator's Farewell" (Blankenburg). Overture, "Sans Souci" (Sousa).

8.13: Recording, Light Opera Company, "No, No Nanette" (Vocal Gems) (Youmans).

8.17: Recording, Sydney Baynes Orchestra, Selection "Old England" (arr. Baynes).

8.21: Mezzo-soprano, Marjory G. Miller, "The Joy Bird" (Lewis Barnes).

8.25: Recording, Humour, Clapham and Dwyer, "Oi" (Flanagan).

8.28: Foxtrot, Band, "Everybody's Jazzing Now" (Ord Hume).

8.33: Recording, Bass, Norman Allin and Chorus, "The Crocodile" (Trotti).

8.36: Violin, Gladys Vincent, "Adagio Pathetique" (Godard).

8.41: Recording, Gladys Moneriet "Love Everlasting" (Friml).

8.44: Baritone, Mr. E. A. Dowell, (a) "All Alone" (Berlin); (b) "The Song of the Aviator" (Benzoni).

8.50: Recording, Cinema Organ, Gerd Thomas, "Monte Carlo Madness" (Heymann).

8.53: Fantasia, Band, "The Smithy in the Wood" (Michaelis).

9.1: Weather forecast and station notices.

9.3: Resume of Test Cricket, England v. Australia.

9.8: Reserved.

9.20: Band, "Wiener Extrablatter" (Translatour).

9.26: Soprano, Marjory F. Miller, "Were I a Rose" (Jacobs Bond); "Once in the Long Twilight" (R. A. Horne).

9.32: Violin, Gladys Vincent, Two Mazurkas "Obertas"; "Le Menetrier" (Wieniawski).

9.38: Recording, Humorous Dialogues, Amos and Andy, "Check and Double Check" (Gosden).

9.41: Gavotte, Band, "Stephanie" (Czibulka).

9.46: Baritone, Mr. E. A. Dowell, "I'll Forget You" (Ball).

9.49: Recording, Pipe Organ, Sigmundo del Oro, "Mexicali Rose" (Tenney).

9.52: Recording, Maori Choral, "The Tahiti and Rhythmic Three, "Titi Torez" (Piripata).

9.55: Band, "The Great Conquest" (Wood).

10.3: Resume of Test Cricket, England v. Australia. Close down.

4YA Dunedin
Monday 27. 650 kc.

10.0: Selected recordings.

10.15: Devotional service.

10.45: Lecturette, D. Tannock, "The Beauty of the Garden—How to Create and Maintain It."

12.0: Lunch music.

2.0: Selected recordings.

3.30: Sports results.

4.0: Special weather report for farmers.

4.30: Sports results.

5.0: Children's hour, by Big Brother Bill.

Dinner Music.

6.0: Sydney Baynes Orchestra, "Old England" Selection (arr. Baynes). Marek Weber Orchestra, "Along the Banks of the Volga" (Borchert). B.B.C. Wireless Symphony Orchestra, "Iolanthe" Selection (Sullivan).

6.18: London Palladium Orchestra, "The Rose" Selection of English Melodies (arr. Myddleton). Quartet, International Novelty Quartet, "Dwarf's Patrol" (Rothke). Classic Symphony Orchestra, "Carmen" Selection (Bizet).

6.38: Salon Orchestra, "Reminiscences of Vienna" (Strauss). Sydney Baynes Orchestra, "Kentucky Home" Selection (arr. Baynes). The Salon Orchestra, "Where the Rainbow Ends" Selection (Quilter).

7.0: News and reports.

Concert Programme.

Selected Recordings.

8.0: Selection, Philharmonic Symphony Orchestra of New York, "The Sorcerer's Apprentice" (Dukas).

8.9: Mezzo-Soprano, Conchita Supervia, "Dance No. 5" (Granados); "Granada" (Albeniz).

8.18: Piano, Moriz Rosenthal, "Une Tabatiere a Musique"; "Prelude" (Lindow); "Reflets dans l'Eau" (Debussy).

8.26: Solo and Chorus, Dennis King, Raymond Newell and Chorus, "March of the Musketeers" (Friml); "Ma Belle" (Friml).

8.34: Selection, Band of H.M. Coldstream Guards, "Americana" (Thurban).

8.42: Novelty Recording, The Midnight Revellers and Chorus, "The Open Road" (A Hiking Medley based on out-door Melodies) (arr. Somers).

8.50: Waltz, Grand Symphony Orchestra, "The Court Ball" (Lanner).

8.57: Oboe, Leon Goossens, "Liebesleid" (Kreisler).

9.0: Weather report and station notices.

9.2: Talk, Leonard J. Cronin, "Foreign Affairs."

9.17: Potpourri, Marek Weber Orchestra, "A Waltz Dream" (Strauss).

9.23: Soprano and Baritone, Lucrezia and Lawrence Tibbett, "Night of Love" (Offenbach); "Calm as the Night" (Goetze).

9.30: Concert Waltz, The International Concert Orchestra, "Dream of Autumn" (Joyce).

9.34: Humour, Milton Hayes, "How America Was Discovered"; "How America was Found Out" (Hayes).

9.40: Selection, Squire Celeste Octet, "Down Memory Lane" (arr. Willoughby).

9.48: Choruses, La Scala Chorus of Milan, "Chorus of Gipsies" (Verdi); "Il Bel Giovane" (Boito).

9.54: Violin, Alexander Sebal, "Military Caprice" (Paganini).

9.57: March, Band of Royal Air Force "The Wee MacGregor" (Amers).

10.0: Dance music.

11.0: Close down.

Tuesday

February 28.

Evening Talks: "London As Seen by Jane Mander," Miss Jane Mander. 1YA, 9.7.

"For the Man on the Land"—Agricultural Talk. 2YA, 7.40.

"Early Tragedies in New Zealand History," Mr. Johannes C. Andersen. 2YA, 8.40.

"The Industrial Future of New Zealand," Mr. F. L. Hutchinson. 3YA, 7.30.

"Famous Trials: H. R. Armstrong," Mr. W. H. Carson. 4YA, 9.2.

Features: 1YA. Selected recordings.

2YA. A musical and historical tour of Wales, in commemoration of St. David's Day. Narrator: Mr. Rees-Jones, president of the Welsh Society of New Zealand.

3YA. Christchurch Broadcasting Trio; Doris M. Rabey (soprano); James Shaw (tenor).

4YA. St. Kilda Band.

1YA Auckland
Tuesday 28. 820 kc.

10.0: Devotional service.

10.15: Selected recordings.

11.0: Talk.

11.15: Selected recordings.

12.0: Lunch music.

2.0: Selected recordings.

4.30: Weather report for farmers.

4.32: Selected recordings.

5.0: Children's hour, by "Uncle Dave."

Dinner Music.

6.0: Marek Weber Orchestra, "Mikado" Selection (Sullivan). Dajos Bela Orchestra, "Kaiser" Waltz (Strauss). Royal Opera Orchestra, "Carmen-Ballet No. 2" (Bizet). H.M. Air Force Band, "The Parade of the Tin Soldiers" (Jessel).

6.16: Grand Symphony Orchestra, "Fra Diavolo" Overture (Auber). Salon Orchestra, "The Glow Worm" (Lydell) (Lincke). Dinicu and His Orchestra, "Destiny" Waltz (Baynes). Ferdy Kauffmann Orchestra, "The Gypsy Baron" Selection (Strauss).

6.37: Minneapolis Symphony Orchestra, "Waiata Poi" (Hill). Grand Symphony Orchestra, "Chinese Street Serenade" (Siede). Organ, Jesse Crawford, "How Am I To Know?" (Kings).

6.46: Symphony Orchestra, "Waltz of the Hours"; Variations, from "Coppelia" (Delibes). Plaza Theatre Orchestra, "Chanson in Love"; "Love Everlasting" (Friml).

7.0: News and reports.

7.40: Talk, John Brownlee, "Side-lights on Paris Opera."

Concert Programme.

(Relay to 1ZH, Hamilton.)

(Selected Recordings.)

8.0: Berlin State Opera Orchestra, "La Belle Helene" (Offenbach).

8.9: Baritone, Raymond Newell, "English Maids" (Messager).

8.12: Cornet, H. Godard, "The English Rose" (German).

8.15: Colleen Glen and Pat Eria, "She Was a Girl Called 'Angel Eyes.'" (Dobson).

8.18: Selection, Court Symphony Orchestra, "Patience" (Sullivan).

8.26: Soprano, Elsa Alsen, "Margaret at the Spinning Wheel" (Schubert).

8.30: J. H. Squire Celeste Octet, "Come Into The Garden Maud" (Balfie).

8.33: C. H. Williams and F. Williamson, "Mary" (Richardson).

8.36: Piano, Felix Dyck, "Witches' Dance" (MacDowell); "Bohemian Dance" (Smetana).

8.42: Mona Grey, "Entertaining Peter."

8.48: Whistling, J. P. Phillips, "In a Clock Store" (Orth); "Stars and Stripes" (Sousa).

8.54: Parlophone Melody Company, "The Desert Song" (Romberg).

9.0: Weather forecast and notices.

9.2: Resume of description of Fifth Test Cricket Match, England v. Australia.

9.7: Talk, Miss Jane Mander, "London as Seen by Jane Mander."

9.27: Band of H.M. Genadier Guards, "Hyde Park Suite" (Jalowicz).

9.35: Vernon Watson, "Knocked 'em in the Old Kent Road" (Ingle).

9.39: Organ, Quentin MacLean, "Bal-lad Concert Memories" (arr. MacLean).

9.43: Bass, Norman Allin, "The Powder Monkey" (Watson).

9.46: St. Kilda Colliery Band, "Pop Goes the Weasel" (Hawkins).

9.49: "The Smoking Concert."

9.57: Debroy Somers Band, "English Medley" (arr. Somers).

10.0: Dance music.

11.0: Close down.

2YA Wellington
Tuesday 28. 720 kc.

10.0: Chimes. Selected recordings.

10.30: Devotional service.

11.0: Lecturette, "Fabrics and Fashions."

12.0: Lunch music.

2.0: Selected recordings.

3.30: Special weather report and sports results.

4.0: Special weather report.

4.30: Sports results.

4.55: Close down.

5.0: Children's hour, by Jumbo.

Dinner Music.

6.0: Columbia Symphony Orchestra, "Prophete"; "Coronation March" (Meyerbeer). Milan Symphony Orchestra, "The Sicilian Vespers" Overture (Verdi).

Garde Republicaine Band, "The Two Pigeons"—(1) "The Entrance of Tziganes"; (2) "Scene and March of the Two Pigeons"; (3) "Hungarian Dance"; (4) "Theme and Variations" (Messager).

6.25: J. H. Squire Celeste Octet, "Hungarian Dance in A Minor" (Brahms).

Regal Cinema Orchestra, "Viennese Nights" Waltzes Selection (Romberg).

London Symphony Orchestra, "Chanson de Nuit" (Elgar).

6.41: Plaza Theatre Orchestra, "Gipsy Suite"—(1) Valse (Lonely Life); (2) Al-

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legro (The Dance); (3) Menuetto (Love Duet); (4) Tarantella (The Revel) German). The Palladium Orchestra, "The Grasshoppers' Dance" (Bucalossi).

7.0: News and reports.

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

Concert Programme.

(Relay to 2ZD, Masterton.)

8.0: Chimes. Selection, Frank Crowther's Novelty Orchestra, "San Toy" (Jones).

8.10: Recording (Humour), Jack and Claude Hulbert, "Modern Colour Poems" (Hulbert).

8.15: Mezzo-Contralto, Miss Gwenth Evans, "I Live For You" (Thompson): "Vale" (Russell).

8.22: Characteristic Piece, Frank Crowther's Novelty Orchestra, "In a Pagoda" (Bratton). Xylophone, Mr. S. Bernard, "Tarantella" (Bohm). Fox Trot, Frank Crowther's Novelty Orchestra, "After To-night We Say Good-bye" (Towers and Leon).

8.32: Recording, (Entertainer), Jack Lumsdaine, "So This is Cricket" (Lumsdaine).

8.40: Lecturette, Mr. Johannes O. Andersen, "Early Tragedies in New Zealand History."

9.0: Weather report and station notices.

9.2: Presentation of Musical and Historical Tour of Wales in Commemoration of St. David's Day. Narrator, Mr. Rees-Jones, President of the Welsh Society of New Zealand.

10.0: Close down.

3YA Christchurch
Tuesday 28. 980 kc.

10.0: Devotional service.

10.15: Selected recordings.

11.0: Talk, Mrs. V. Kellett, "Colour, Scheme and Design."

12.0: Lunch music.

2.0: Selected recordings.

3.30: Sports results.

4.30: Weather forecast and sports results.

5.0: Children's hour, by "Cousin Beatrice."

Dinner Music.

6.0: New Queen's Hall Light Orchestra, "Britannia" Overture (Mackenzie). New Concert Orchestra, "Hydropaten" Waltz (Gungl). Marek Weber and His Orchestra, "Menuett No. 1" (Paderewski).

6.15: H.M. Grenadier Guards Band, "Hyde Park Suite"—(a) "Sunday Morning Church Parade"; (b) "Rotten Row"; (c) "On the Serpentine"; (d) "Around

the Bandstand" (Jalowicz). Zonophone Salon Orchestra, "Love-in-a-Mist" (Forster).

6.26: Regimental Band of H.M. Grenadier Guards, "Lo. Here the Gentle Lark" (Bishop). The Savoy Orpheans, "Lido Lady" Selection (Rodgers). Minneapolis Symphony Orchestra, "Dernier Sommeil de la Vierge" (The Virgin's Last Sleep) (Massenet).

6.42: Rio Novelty Orchestra, "Mientras Lloro el Tango" (Barabine). Edith Lorand Orchestra, "Johann Strauss Fantasia" (Strauss). Grand Symphony Orchestra, "Japanese Cherry Blossom Festival" (Yoshitomo).

7.0: News and reports.

7.30: Talk (under auspices of Canterbury Manufacturers' Association), Mr. F. L. Hutchinson, "The Industrial Future of New Zealand."

Concert Programme.

8.0: Chimes. Recording: Paul White-man and His Orchestra, "La Paloma" (The Dove) (Yradier).

8.6: Recording: The National Chorus, "The Bay of Biscay" (arr. Williams).

8.9: The Christchurch Broadcasting Trio, (a) "At Evening" (Pache); (b) "Polacca" (Thomas).

8.16: Soprano, Miss Doris M. Rabey, "Spring the Fiddler" (Baumer); "My Wonderful Garden" (Bigelow).

8.21: Recording. Humour, Flanagan and Allan, "The Sport of Kings" (Flanagan).

8.24: Recording, Band of H.M. Coldstream Guards, Selection "Florodora" (Stuart).

8.32: Tenor, Mr. James Shaw, (a) "All That I Ask" (Coleman); (b) "On Willow Rocking" (Planquette).

8.38: The Christchurch Broadcasting Trio, "Song of the Mountains" (Grieg). Cello solo, Noel Cape-Williamson, "Tre Giorni" (Pergolesi); Trio, "Scherzo" (Gade).

8.46: Recording, Choral Light Opera Company, "Chocolate Soldier" (Vocal Gems) (Strauss).

8.50: Recording, Piano, Beryl Newell, "Frog Puddles" (Whitney).

8.53: Soprano, Doris M. Rabey, (a) "When Love is Kind"; (b) "The Owl" (A. L. Lehmann).

8.58: Recording, Sir Hamilton Harty and Halle Orchestra, "An Irish Symphony" (Harty).

9.2: Weather forecast and station notices.

9.4: Reserved.

9.18: Tenor, Mr. James Shaw, (a) "To My First Love"; (b) "You'd Better Ask Me" (Hermann Lohr).

9.23: Broadcasting Trio, (a) "Romance" (Sibelius); (b) "Tarantelle" (Trouselle).

9.30: Dance music.

11.0: Close down.

4YA Dunedin
Tuesday 28. 650 kc.

10.0: Selected recordings.

10.15: Devotional service.

10.45: Lecturette, Mr. J. Salmond, "Prevention of Fire in the Home."

12.0: Lunch music.

2.0: Selected recordings.

3.30: Sports results.

4.0: Special weather report for farmers.

4.30: Sports results.

5.0: Children's hour, by Wendy and Aunt Leonore.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "The Beautiful Galathea" Overture (Suppe). San Francisco Symphony Orchestra, "Rosamunde" Entr'acte (Schubert). De Groot Trio, "Paraphrase of Strauss" Waltzes (arr. de Groot).

6.17: Jack Hylton and His Orchestra, "More Melodious Memories" (Finck), J. H. Squire Celeste Octet, "Minuet Silicenne" (Squire). London Symphony Orchestra, "Komarinskaya" (Glinka).

6.34: Organ, Jesse Crawford, "La Borachita" (Fernandez-Esperon). Musical Art Quartet, "Serenade" (Herbert). J. H. Squire Celeste Octet, "Minuet in D" (Mozart). London Palladium Orchestra, "Selection of Operatic Gems" (arr. Forbes).

6.50: Organ, Jesse Crawford, "I Loved You Then as I Love You Now" (Macedonald-Axt). Band, National Military Band, "Ben Hur" (Byng).

7.0: News and reports.

Concert Programme.

8.0: Thirty minutes recordings.

8.30: March and Waltz St. Kilda Band (Jas. Dixon, Conductor). (a) "Twentieth Century" (Hume); (b) "Destiny" (Baynes); (a) "The Blind Ploughman" (Clark); (b) "What Ever Is Best" (Lohr).

8.47: Selection, The Band, "Songs of Scotland" (Round).

8.55: Soprano, Signora Graziella Rossi (a) "Parla" (Arditi); (b) "Rosebuds" (Arditi).

9.0: Weather report and station notices.

9.2: Talk, W. H. Carson, "Famous Trials—H. R. Armstrong."

9.17: March, The Band, "The Madcap" (Sharp).

9.20: Tenor, C. R. Williamson, (a) "A Spirit Flower" (Tipton); (b) "Onaway, Awake Beloved" (Coleridge-Taylor).

9.26: Recording, The Little Salon Orchestra, (a) "Cupid's Parade" (Rivelli); (b) "The Dwarf's Patrol" (Rathke).

9.32: Soprano, Graziella Rossi, (a) "Vissi d'Arte" (Puccini); (b) "A Heart That's Free" (Robyn).

9.39: Intermezzo, The Band, "Chant Sans Paroles" (Tchaikowsky).

9.44: Baritone, F. M. Tuohy, (a) "For the Green" (Lohr); (b) "I Will Not Grieve" (Schumann).

9.50: Recording, Savoy Orpheans Orchestra, "Alone With My Dreams" (Eyton).

9.53: Tenor, C. R. Williamson (a) "Moonlight and You" (de Crescenzo); (b) "Thine Only" (Bohm).

9.59: March, The Band, "Vanished Army" (Alford).

10.2: Close down.

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1YA Auckland

Wednesday 1. 820 kc.

- 10.0: Devotional service.
 10.15: Selected recordings.
 11.0: Talk, "Karere," "Women's Interests."
 11.15: Selected recordings.
 12.0: Lunch music.
 2.0: Selected recordings.
 4.30: Weather report for farmers.
 4.32: Selected recordings.
 5.0: Children's hour, conducted by Uncle Reg.

Dinner Music.

- 6.0: National Symphony Orchestra, "Stradella" Overture (Flotow). Grand Symphony Orchestra, "Polonaise No. 1 in A" (Chopin). Gil Dech Ensemble, "Valse Parisienne" (Roberts).
 6.13: Philadelphia Symphony Orchestra, "Casse Noisette" (Nutcracker Suite)—Waltz of the Flowers (Tchaikowsky). Frank Westfield's Orchestra, "Neapolitan Nights" (Kerr-Zamecnik). Marek Weber Orchestra, "Cavalleria Rusticana" Selection (Mascagni).
 6.30: Debroy Somers Band, "Hungarian Medley"—One-step (arr. Debroy Somers). Organ, Leslie James, "Medley of Old Songs." National Military Band, "Ballet Egyptian" (Luigini).
 6.46: String Orchestra, "From the Sunflower Album: Russian Ballet" (Brown). Organ, Terence Casey, "I'm Lonely" (Coates). Regimental Band of H.M. Grenadier Guards, "La Paloma" (Yradier). De Groot and His Orchestra, "When the Great Red Dawn is Shining" (Sharpe).
 7.0: News and reports.
 7.30: Talk, Mr. R. A. Falla, M.A., "Antarctic Exploration and Research: Antarctic Regions."

Concert Programme.

- 8.0: Selected recordings.
 8.30: Bass-baritone, Frank Sutherland, "John Binks" (Sanderson); "Can't Remember" (Goatley).
 8.37: Recordings (Violin), Alfredo Rode, "Dance of the Goblins" (Bazzini). Light Opera Company, "Songs of Wales."
 8.44: Piano Recital, Eva Stern, "Sonata in A Major" (Scriabin); "Turkish March" from "The Ruins of Athens" (Beethoven).
 8.51: Soprano, Mrs. J. C. Edwards, "Fairy Tales" (Wilson); "The Fisher's Widow" (Edwards).
 8.57: Recording, Massed Military Bands, "Old Comrades" March (Leeke).
 9.0: Weather forecast and notices.
 9.2: Talk, Capt. R. B. Falcon, "A Motor Trip in India."
 9.17: Bass-baritone, Frank Sutherland, "A King's Man" (Hilliam).
 9.20: Piano Recital, Eva Stern, "Lobesleid" (Kreisler); "Hark, Hark, the Lark" (Schubert-Liszt).
 9.27: Soprano, Mrs. J. C. Edwards, "Grief and the Rain" (Lilly).
 9.30-11.0: Dance music.

2YA Wellington

Wednesday 1. 720 kc.

- 10.0: Selected recordings.
 10.30: Devotional service.
 11.30: Lecturette, "Hollywood Affairs."
 12.0: Lunch music.
 2.0: Selected recordings.
 3.30: Special weather report and sports results.
 4.0: Special weather report.
 4.30: Sports results.
 5.0: Children's hour, conducted by Aunt Molly.

Wednesday

March 1.

Evening Talks: "In Antarctic Exploration and Research: Antarctic Regions," Mr. R. A. Falla, M.A. (W.E.A. Session). 1YA, 7.30.

- "A Motor Trip in India," Captain R. B. Falcon. 1YA, 9.2.
 "For the Home Gardener," 2YA Gardening Expert. 2YA, 7.40.
 "The World To-day," Dr. Guy H. Scholefield, O.B.E. 2YA, 8.40.
 Addington Stock Market Reports. 3YA, 7.30.
 "Nursing in the Home," Dr. Marion Whyte, Lady District Superintendent of St. John Ambulance Brigade. 4YA, 7.30.

- Features:** 1YA. Piano recital by Eva Stern; soprano solos by Mrs. J. C. Edwards.
 2YA. Selected recordings.
 3YA. St. David's Day Welsh programme.
 4YA. Piano recital by Helmuth Hoffmann; Eva Scott (soprano); Mr. F. E. Woods (bass).

Dinner Music.

- 6.0: Grand Symphony Orchestra, "Rakoczy Overture" (Keler Bela). London Theatre Orchestra, "Maid of the Mountains" Selection (Fraser-Simson). Keteibey's Concert Orchestra, "The Clock and the Dresden Figures" (Keteibey).
 6.19: Royal Opera Orchestra, "Faust" Ballet Music (Gounod). Cordoba Philharmonic Orchestra, "Carnival" (Lucena). Victoria Orchestra, "La Serenata Waltz" (Metra).
 6.34: J. H. Squire Celeste Octet, "Memories of Mendelssohn" (arr. Sear). H. G. Amers and the Eastbourne Municipal Orchestra, "Second Serenata" (Toselli). Dajos Bela Orchestra, "Fantasia Orientale" (Lange). H.M. Grenadier Guards Band, "Martial Moments" March Medley (arr. Winter).
 7.0: News and reports.
 7.40: Lecturette, Our Gardening Expert, "For the Home Gardener."

Concert Programme.

Selected Recordings.

- 8.2: Overture, Philadelphia Symphony Orchestra, "Overture '1812'" (Tchaikowsky).
 8.10: Vocal Gems, Light Opera Company, "Monsieur Beaucaire" (Messenger).
 8.18: Piano solos, Alfred Cortot. (a) "Valse in A Flat, Op. 69"; (b) "Tarentelle, Op. 43" (Chopin).
 8.24: Tenor, Birrell O'Malley, "To a Miniature" (Brahe).
 8.27: Violin, Giulietto Moreno, "Little Love Nest" (Cama).
 8.30: Reserved.
 8.40: Talk, Dr. Guy H. Scholefield, O.B.E., "The World To-day."
 9.0: Weather forecast and notices.
 9.2: Orchestra, Marek Weber Orchestra, "At the Tchaikowsky Fountain" (arr. Urbach).
 9.10: Theatre excerpts, Anni Frind (with chorus and orchestra) "Spanish Romance" ("Casanova").
 9.14: Harp, Mildred Dilling, "Etude De Concert" (Godeffroid).
 9.18: Baritone, Peter Dawson, "Our Father Thames" (Hennessy).
 9.21: Orchestra, Berlin State Opera House Orchestra, "Bluebeard" Selection (Offenbach).
 9.27: Humour, Saville Theatre Quartet, "Horroratorio" (Weston, Lee).
 9.33: Novelty Quartet, International Quartet, (a) "Silver Bell"; (b) "Do You Miss Me in the Dear Homeland?"
 9.39: Comedians, Queenie Leonard and Edward Cooper, A Seaside Boardinghouse Comedy: "Ada, Pin a Rose in Yer 'Air."
 9.42: Gipsy Orchestra, Lilly Gyenes'

- Hungarian Orchestra, "Rakoczy March" (Liszt).
 9.46: Reserved. (Selected recordings.)
 10.0: Close down.

3YA Christchurch

Wednesday 1. 980 kc.

- 10.0: Devotional service.
 10.15: Selected recordings.
 11.0: Talk, Miss Millicent Jennings, "Home and Garden."
 11.15: Selected recordings.
 12.0: Lunch music.
 2.0: Selected recordings.
 3.30: Sports results.
 4.30: Special weather forecast and sports results.
 5.0: Children's hour, by "Aunt Pat."

Dinner Music.

- 6.0: B.B.C. Wireless Symphony Orchestra, "The Bohemian Girl" Overture (Balfe). London Palladium Orchestra, "Longing" (Haydn Wood). Boston Symphony "Frühlingstimmen" Waltz, (Strauss).
 6.15: De Groot Orchestra, "Une Heure D'Amour" (Alexander). Royal Italian Band, "Inno di Garibaldi" (Ollivier). National Symphony Orchestra, "Irish Rhapsody" (Herbert).
 6.30: De Groot Orchestra, "In the Night" (Tate). Bournemouth Municipal Orchestra, "Marriage of Figaro-Fandango" (Mozart). Organ, Terence Casey, "The Irish Organist" Medley (arr. Casey).
 6.44: International Novelty Orchestra, "Gold and Silver" Waltz (Lehar). Virtuoso String Quartet, "The Emperor Quartet" (Haydn). Minneapolis Symphony Orchestra, "Coppelia Ballet" (Delibes).
 7.0: News and reports.
 7.30: Addington stock market reports.

Concert Programme.

- 8.0: Chimes. St. David's Day—Welsh programme. Recording: Band of H.M. Coldstream Guards, "God Bless the Prince of Wales" (Richards).
 8.5: Recording: Three Valleys Festival Choir, "Land of My Fathers" (In Welsh) (Trdtl.).
 8.8: March, The Studio Orchestra, Conductor H. G. Glaysher, "Great Big David" (Lotter).
 8.12: Tenor, Ernest Rogers, (a) "O'er the Stone"; (b) "The Stars in Heaven Are Bright" (Welsh, Trdtl.).
 8.17: Harp, Mr. H. G. Glaysher, "Bug-

eloir Gwenith" (Watching the Wheat) (Thomas).

8.22: Soprano, Miss Frances Hamerton, (a) "Codiad Yr Hedydd" (Rising of the Lark) (Owain Alan); (b) "The Welsh Mountains" (Trdtl. Welsh).

8.26: Selection, Studio Orchestra, "The Leek" (Myddleton).

8.38: Bass-Baritone, Mr. T. D. Williams, (a) "Morfa Rhyddlan" (Ruddlan Marsh) (arr. Alaw Owen); (b) "Old Penillion Pen Rhaw" (The Spade Head) (arr. Alaw Owen).

8.45: H.M. Grenadier Guards Band, Songs of Wales.

8.51: Recording, Three Valleys Festival Choir "Marchog Jesu" (Moriah) In Welsh (Wesley).

8.54: March, Studio Orchestra, "Men of Harlech" (arr. Fitzgerald).

8.58: Recording, Light Opera Company "Songs of Wales."

9.2: Weather forecast and station notices.

9.19: Tenor and Bass, Ernest Rogers and T. D. Williams, "Flow Gently Dey" (Welsh Parry).

9.22: Waltz Studio Orchestra, "Dream on the Ocean" (Gungl).

9.30: Tenor, Ernest Rogers (a) "Oh! That Summer Smiled for Aye" (Welsh, Davies); (b) "The Dove" (Welsh Trdtl.).

9.34: Harp, H. G. Glaysher, "Serech Hudol" (Love's fascination) (Thomas).

9.39: Soprano, Miss Frances Hamerton, (a) "My Little Welsh Home" (Williams); (b) "Eos Lais" (The Nightingale) (Welsh, Trdtl., arr. Owain Alan).

9.45: Bass-Baritone, T. D. Williams, (a) "Cartref" Homeward (Sung in Welsh) (Welsh, Hardy); (b) "All Through the Night" (Trdtl.).

9.51: Overture—Studio Orchestra, "Carnival" (Suppe).

10.3: Dance music.

11.3: Close down.

4YA Dunedin

Wednesday 1. 650 kc.

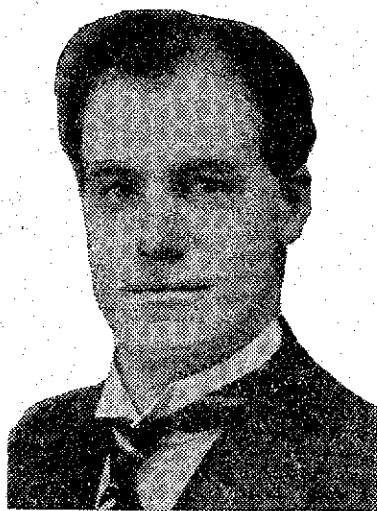
- 10.0: Selected recordings.
 10.15: Devotional Service.
 10.45: Lecture, M. Anderson, "Beauty Culture."
 12.0: Lunch music.
 2.0: Selected recordings.
 3.15: Lecturette, Home Science Department, "Something New in Sandwiches."
 3.30: Sports results.
 4.0: Special weather report for farmers.
 4.30: Sports results.
 5.0: Children's hour, conducted by Aunt Gretchen and Big Brother Bill.

Dinner Music.

- 6.0: Milan Symphony Orchestra, "Mignon" Overture (Thomas). Organ, Jesse Crawford, "Serenade" (Romberg). New Symphony Orchestra, "Pastoral Dance from 'Neil Gwynn'" (German). Musical Art Quartet, "Deep River" (arr. Conrad Held).
 6.18: New York Symphony Orchestra, "Entrance of the Little Fauns" (Pierne). Vienna Philharmonic Orchestra, "Die Fledermaus" Waltz (Strauss). Brunswick Concert Orchestra, "La Dansense" (von Blon). A. and P. Gipsies, "My Memories."
 6.34: The Salon Orchestra, "Chinese Lullaby" (Bowers). Orchestra Mascotte, "The Girl in the Taxi" Waltz (Petras). Peter Biljos' Balalaika Orchestra, "Blowing Winds" (Ukrainian Medley). The Salon Orchestra, "Sleepy Valley" (Hanley). Organ, Jesse Crawford, "Indian Love Call" (Friml).
 6.49: The Little Salon Orchestra, "Springtime in the Forest" (Zimmer).

Thursday

March 2.



James Shaw.

3YA tenor, who will sing four solos on Tuesday, February 28.

Stephano Webb, photo.

A. and P. Gipsies Orchestra, "Bohemian Romance."

7.0: News and reports.

7.30: Talk, Dr. Marion Whyte (Lady District Superintendent, St. John's Ambulance Brigade), "Nursing in the Home."

Concert Programme.

8.0: Overture, The Concert Orchestra (Mons. de Rose, Conductor), "Prosperous Voyage" (Mendelssohn).

8.12: Soprano, Eva Scott, "The Spinning Wheel" (Thompson); "In the Time of Roses" (Reichert).

8.18: Recording (Dramatic Monologue), John Barrymore, "Hamlet's Soliloquy" (Shakespeare); "Gloucester's Soliloquy from Henry VI" (Shakespeare).

8.26: Bass, F. E. Woods, "Les Ramenaux"; "The First Palm Sunday" (Faure).

8.30: Piano Recital by Helmuth Hoffmann: (a) "Papillons" (Schumann); (b) "Perce-neige" (Tchaikowsky); (c) "Barcarolle" (Tchaikowsky); (d) "Troika" (Tchaikowsky); (e) "Clair de Lune" (Debussy); (f) "Triakontameron" (Godowsky).

9.0: Weather report and notices.

9.2: Reserved.

9.17: Recording, Light Opera Company, "Lilac Time" Vocal Gems (Schubert).

9.25: Selection, The Concert Orchestra, "Three Bavarian Dances" (Elgar).

9.37: Soprano, Eva Scott, "I am Longing for the Spring" (Morris); "The Sweetest Flower that Blows" (Hawley).

9.43: Fantasia, The Concert Orchestra, "La Navarraise" (Massenet).

9.53: Bass, F. E. Woods, "She Alone Charmeth My Sadness" (Gounod); "Myself when Young" (Lehmann).

9.59: Selection, The Concert Orchestra, "The Russian Pedlar" (Ferraris).

10.2: Close down.

2YB New Plymouth
Wednesday 1. 1230 kc.

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

Evening Talks: "Giants of German Music: Bach," Mr. Owen Jensen, L.A.B. (W.E.A. Session). 1YA, 7.30.
"Native Birds and Sanctuaries," Mr. S. D. Potter. 1YA, 9.2.
"With Lawrence in Arabia: The Master Stroke Below Damascus," Mr. F. C. Hawley, D.F.C. 2YA, 8.37.
Review of Journal of Agriculture. 3YA, 7.30.
"Wanderings in Southern France," Dr. Winifred Haward. 3YA, 9.2.

Features: 1YA. Chamber Orchestra; Audrey Allen (recital); Kathleen Mulqueen and Len Barnes (vocal duets).
2YA. The Melody Five.
3YA. Selected recordings.
4YA. The Philharmonic Four; the de Rose Octet.

1YA Auckland

Thursday 2.

820 kc.

10.0: Devotional service.
10.15: Selected recordings.
11.0: Talk, "Electrical Apparatus."
11.15: Selected recordings.
12.0: Lunch music.
12.30: Relay of Mid-day Service from St. Matthew's Church.
12.50: Lunch music.
2.0: Selected recordings.
3.15: Home Science Talk, prepared by the Home Science Extension Service of Otago University.
3.25: Selected recordings.
4.30: Weather report for farmers.
4.32: Selected recordings.
5.0: Children's hour, conducted by Aunt Dorothea.

Dinner Music.

6.0: Dajos Bela Orchestra, "Roses of the South" Waltz (Strauss). Bournemouth Municipal Orchestra, "The Bronze Horse" Overture (Auber). Bohemian Orchestra, "Love and Life in Vienna" (Komzak). Frank Westfield's Orchestra, "Fifnette" Intermezzo Gavotte (Fletcher).

6.17: B.B.C. Wireless Symphony Orchestra, "H.M.S. Pinafore" Selection (Sullivan). Dajos Bela Orchestra, "Strauss, the Waltz King, at Home" (Weber). Regimental Band of H.M. Grenadier Guards, "Twist and Twist" (Kottmann).

6.35: Albert Sandler Orchestra, "My Dream Memory" (Levant). Victor Oloff Sextet, "Cherry Ripe" (Scott). Dajos Bela Orchestra, "Narcissus" (Nevin). Royal Music Makers, "Kiss Me Again" Waltz (Herbert).

6.47: Venetian Players String Quartet, "Romanza" (Mozart). Berlin State Opera House Orchestra, "Wine, Women and Song" Waltz (Strauss).

7.0: News and reports.

7.30: Talk, under the auspices of the Workers' Educational Association, Owen Jensen, L.A.B., "Giants of German Music: Bach."

Concert Programme.

(Relay to 1ZH, Hamilton.)

8.0: March, 1YA Chamber Orchestra, "Under the Banner of Victory" (Blon). Overture, 1YA Chamber Orchestra, "St. Hubertus" (Fucik).

8.10: Recordings (Tenor), Georges Thill and Chorus, "Le Reve Passe" (Helmmer). Violin, Yelky d'Aranyi, "Jota" (de Falla).

8.16: Recital, Audrey Allen, "Du All Soul's Eve" (Harris).

8.21: Cathleen Mulqueen and Len Barnes, with Orchestra, Song Cycle, "On Jhelum River" (Woodforde-Finden).

8.41: Piano, Eric Waters, "Seduidillas" (Albeniz); "Marche Militaire" (Schubert-Tausig).

8.50: Recordings (Choral), Berlin Union of Teachers, "The Loreley" (Slicher). Heerman Trio, "Arabesque in E Major" (Debussy); "Arabesque in G Major" (Debussy).

9.0: Weather forecast and notices.

9.2: Talk, S. D. Potter, "Native Birds and Sanctuaries."

9.17: Selection, The Orchestra, "Waltzes from Vienna" (Strauss).

9.25: Contralto, Cathleen Mulqueen, "Since I Have Loved Thee" (Johnson). Duet, Cathleen Mulqueen and Len Barnes, "When I Know that Thou art Near Me" (Abt).

Baritone, Len. Barnes, "Edward" (Loewe).

9.35: Recording ("Cello"), W. H. Squire, "Humoresque" (Dunkler).

9.39: Recital, Audrey Allen, "Two Poems by a New Zealand Author" (R. A. Singer).

9.45: Selection, The Orchestra, "Going Up" (Hirsch).

9.55: Recordings, Fisk University Jubilee Singers, "Ezekiel Saw the Wheel." National Military Band, "Liberty March" (Souza).

10.1: Close down.

2YA Wellington

Thursday 2.

720 kc.

10.0: Chimes. Selected recordings.

10.30: Devotional service.

12.0: Lunch music.

2.0: Selected recordings.

3.0: Talk prepared by the Home Science Extension Service of Otago University. "School Lunches—Inexpensive yet just a little out the ordinary."

3.30: Special weather report and sports results.

4.0: Special weather report.

4.30: Sports results.

4.55: Close down.

5.0: Children's hour, by Big Brother Jack.

Dinner Music.

6.0: National Symphony Orchestra, "Light Cavalry" Overture (Suppe). International Orchestra, "Spring Beautiful Spring" Waltz (Linke). Zonophone Salon Orchestra, "Killarney" (Halle).

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

6.32: Dajos Bela Orchestra, "The Countess Maritza-Potpourri" (Kalman).

Kiriloff's Russian Balalaika Orchestra, "Shining Moon" (Russian Folk Song). De Groot and His Orchestra, "Under the Roofs of Paris" (Moretti).

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

7.0: News and reports.

Concert Programme.

(Relay to 2ZD, Masterton.)

8.0: Chimes. Overture, 2YA Concert Orchestra, (Conductor, Mr. Leon de Mauny) "Egmont" (Beethoven). Morceau, "Serenata" (Moszkowsky).

8.11: Recording (Humour), Flanagan and Allen, (a) "Oil"; (a) The Sport of Kings" (Flanagan).

8.17: Twenty Minutes with the Melodie Five. Quintette, "Timbuctoo" (Giebel). Bass, Mr. W. W. Marshall, "In a Monastery Garden" (Ketelbey). Novelty Piano, Mr. Bert Burton, "Jazz Master" (Mayerl). Quintette, "In a Shanty in Old Shanty Town" (Little). Tenor, Mr. Sam Duncan, "Dear Little Shamrock" (Jackson). Quintette, "The Mulligan Musketeers" (Atkinson).

8.37: Lecturette, Mr. F. C. Hawley, D.F.C., "With Lawrence in Arabia—The Master Stroke Below Damascus."

9.0: Weather report and station notices.

9.2: Selection, The Orchestra, "Gipsy Princess" (Kalman).

9.12: Recording (Humour), Regal Comedy Company, "Musical Influenza." Recording (Duo) The Pickens Sisters, "San" (Michels).

9.18: Twenty Minutes with the Melodie Five. Quintette, "Southern Moon" (Zarnecnik). Baritone, Mr. L. M. Cachemalle, "She is Far From the Land" (Lamber). Novelty Piano, Mr. Bert Burton, "Lighty Lak a Rose" (Nevin). Tenor, Mr. Frank Bryant, "Here's to Love" (Rubens). Quintette "Two Roses" (Werner).

9.38: Suite, The Orchestra, "A Dream of Egypt" (Woodforde-Finden).

9.52: Recording (Duet), Flotsam and Jetsam, (a) "Little Chap" (Jetsam); (b) "The Pussy Cat News" (Jetsam).

9.56: Two Pieces, The Orchestra, (a) "Angelus"; (b) "Carnival" (Mott).

10.4: Close down.

3YA Christchurch

Thursday 2.

980 kc.

10.0: Devotional service.

10.15: Selected recordings.

11.0: Talk, Miss K. Clark, "Life in Y.W.C.A. Hostel."

11.15: Selected recordings.

12.0: Lunch music.

2.0: Selected recordings.

3.30: Sports results.

4.30: Special weather forecast and sports results.

5.0: Children's hour, by "Ladybird."

Dinner Music.

6.0: Bournemouth Municipal Orchestra, "Crown Diamonds" Overture (Auber). Jacques Jacobs' Ensemble, "L'Estudiantina" Waltz (Waldteufel).

6.11: Debroy Somers Band, "Mister Cinders" Selection (Meyers). Grand Symphony Orchestra, "Hungarian Dances" (Brahms). Organ, Stanley Macdonald, "The Rosary" (Nevin).

6.25: The London Orchestra, "Valse Memories" (arr. Somers). Albert W. Ketelbey's Concert Orchestra, "Cockney Suite"—(a) A State Procession; (b) The Cockney Lover; (c) At the Palace de Dance; (d) Elegy; (e) Bank Holiday (Ketelbey).

6.47: B.B.C. Wireless Symphony Or-

chestra, "Il Trovatore" Selection (Verdi). National Military Band, "Ben Hur" (Byng).

7.0: News and reports.

7.30: Review of "Journal of Agriculture."

Concert Programme. (Selected Recordings.)

8.0: Chimes. Philharmonic Orchestra, "Academic Festival" Overture, Op. 80 (Brahms).

8.10: Soprano and Tenor, M. Sheridan and A. Pertilo and La Scala Chorus, Milan "You, You, My Love" (Puccini).

8.14: Piano, Beryl Newell, "Teddy Bear's Picnic" (Bratton).

8.17: Contralto and Orchestra, Esther Coleman, "There's a Land" (Allitsen).

8.21: Zygfyrd and His Gipsy Orchestra, (a) "Hungarian March Torak Magyar" (De Relder); (b) Waltz, "Casino Tanze" (Gungl.).

8.27: Monologue by Milton Hayes, "My Boy's Career" (Meandering of Monty) (Hayes).

8.33: Havana Marimba Band, (a) "Nursery Masquerade" (Boyle); (b) "Pull Up Your Socks and Laugh Up Your Sleeve" (Welsh-Shuff).

8.39: Soprano, Master Lex Macdonald, Gil Dech at piano, (a) "Hark Hark" (Schubert); (b) "Lullaby" (Brahms).

8.45: Cymbalum solo with piano, Constantin Vladschu, "Russian Potpourri."

8.48: Grand Irmelr Choir, "Ora pro Nobis" (Schubert Irmelr).

8.52: March, Royal Netherlands Military Band, "Officer of the Day" (Hall).

8.56: Bass, Michael Szkeley with Berlin State Opera House Orchestra, "The Landgrave's Speech" (In German) (Wagner).

9.0: Weather forecast and station notices.

9.2: Talk, Dr. Winifred Haward, "Wanderings in Southern France."

9.17: Johann Strauss and Symphony Orchestra, "The Spirit of Fire" (Strauss).

9.21: Soprano and Orchestra, Lotte Lehmann and Berlin State Opera House Orchestra, "Love and Music" (Vissi D'Atre) (Puccini).

9.25: International Novelty Quartet, "Par Ci Par-la" (Waldteufel).

9.28: Dialogue, Elsie and Doris Waters, "Spring Cleaning" (A. and D. Waters).

9.31: Grand Symphony Orchestra, Potpourri, "The Poor Jonathan" (Millocher).

9.37: Jack Hulbert, (a) "I Want to Cling to Ivy" (Furber); (b) "The Flies Crawled Up The Window" (Furber).

9.43: Comedienne, Angela Baddeley, "The Bargain Counter" (Herbert).

9.47: S. Translateur and His Viennese Orchestra, "Viennese Birds of Passage" (Translateur).

9.50: Mezzo-soprano, Conchita Supervia, "Dance No. 5 in Spanish" (Granados).

9.54: Royal Opera Chorus and Orchestra, Covent Garden, "Pilgrims' Chorus" (Rimsky-Korsokov).

9.58: Dorsey Brothers Concert Orchestra and vocal refrain, "Lover Come Back to Me" (Romberg).

10.4: Close down.

4YA Dunedin

Thursday 2. 650 kc.

10.0: Selected recordings.

10.15: Devotional service.

10.45: Lecturette, J. V. Hanna, "Physical Culture."

12.0: Lunch music.

2.0: Selected recordings.

3.15: Lecturette, Stan Lawson, "Stage Dancing."

3.30: Sports results.

4.0: Special weather report for farmers.

4.30: Sports results.

5.0: Children's hour, conducted by Big Brother Bill.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "The Mill on the Cliffs" Overture (Reissiger). Plaza Theatre Orchestra, "Lover's Lane Minuet" (Tours). Royal Cinema Orchestra, "King of Jazz" Selection" (Yellen, Ager).

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

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

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

7.0: News and reports.

Concert Programme.

8.0: Recording, Dajos Bela Orchestra, "Mosaic" Potpourri (Zimmer).

8.9: Quartet, The Philharmonic Four, (a) "A Summer Day"; (b) "To the Death" (Hunting Song), (Wheeler).

8.15: Selection, The de Rose Octet, "The Chocolate Soldier" (Strauss).

8.25: Recording (Humour), John Henry, "Captain Cook Discovers Australia" (Henry).

8.30: Waltz, The Octet, "Toujours ou Jamais" (Waldteufel).

8.36: Quartet, The Philharmonic Four, "The Silent Tide" (Pinsuti).

8.40: Piano, Mrs. C. Drake, (a) "Murmurs"; (b) "Wind Spirit" (Ford).

8.44: Duet, Mr. and Mrs. F. Mortley-Peake, "Arise O Sun" (Day).

8.48: Selection, The Octet, "The Street Singer" (Fraser-Simson).

8.57: Recording (Organ), Terence Casey, "Titania" (Wolfe).

9.0: Weather report and station notices.

9.2: Reserved.

9.15: Quartet, The Philharmonic Four, "Ever of Thee" (Hall).

9.18: Selection, The Octet, "The Lady of the Slipper" (Herbert).

9.27: Quartet, The Philharmonic Four, "Moonlight" (Fanning).

9.30: Dance music.

11.0: Close down.

Friday

March 3.

Evening Talks: Sports Talk. 1YA, 7.30.
"Byways of New Zealand Story," Mr. A. B. Chappell. 1YA, 9.2.
"Roads and Motoring," Mr. W. A. Sutherland, secretary Wellington Automobile Club. 2YA, 7.40.
"The Philosophy of Deafness," Mr. E. W. Ackland. 2YA, 8.40.

Features: 1YA. Organ recital by Arthur E. Wilson; violin solos by Ida Lockwood; sketch by the Clarion Quartet and Tom Harris.
2YA. Concert by Methodist Maori Mission Choir.
3YA. The Salon Orchestra; Mrs. Evelyn Barley (mezzo-soprano); Jock Lockhart (humour).
4YA. Will Smith's Kapai Dance Band.

1YA Auckland

Friday 3. 820 kc.

10.0: Devotional service.

10.15: Selected recordings.

11.0: Talk.

11.15: Selected recordings.

12.0: Lunch music.

2.0: Selected recordings.

4.30: Weather report for farmers.

4.32: Selected recordings.

5.0: Children's hour, conducted by "Nod" and "Aunt Jean."

Dinner Music.

6.0: Johann Strauss and His Orchestra "Radetzky" March (Strauss). Milan Symphony Orchestra, "Force of Destiny" Overture (Verdi). Zurich Tonhalle Orchestra, "Andante" (Mozart).

6.15: International Concert Orchestra, "Just a Kiss" Waltz (Kasik). Band of H.M. Grenadier Guards, "Ivanhoe" Selection (Sullivan). Organ, Quentin MacLean, "Little Dolly Daydream" (Stuart).

Halle Orchestra, "Rosamunde" Ballet Music—(1) Andantino; (2) Allegro Moderato and Andante (Schubert).

6.38: Bournemouth Municipal Orchestra, "Echoes of the Valley" (Gennin). Frank Westfield's Orchestra, "The New Sullivan Selection" (arr. Godfrey). Sander Joszi Orchestra, "Polo" (Petras).

6.51: Edith Lorand Orchestra, "O Maiden, My Maiden" (Lehar). J. H. Squire Celeste Octet, "Serenade" (Titl).

7.0: News and reports.

7.30: Sports talk.

Concert Programme.

(Relay to 12H, Hamilton.)

8.0: Recordings, Marek Weber Orchestra, "The Beggar Student" (Millocher).

8.9: Bass, Duncan Black, "A Bit, a Saddle and a Horse" (Brown-Smith). Quartet, Clarion Quartet, "The Lass of Richmond Hill" (Old English).

8.16: Recording, Castlewood Marimba Band, "Bells of Hawaii" (Heagney). Recording, Yodel Andreany, "Echoes of the Pyrenees."

8.22: Violin, Ida Lockwood, (a) Spanish Dance" (Rehfeld); (b) "Deep River" (Old Negro).

8.29: Recording, Florrie Forde, "Florrie Forde's Old Time Medley."

8.35: Humour, Tom Harris.

8.40: Organ Recital, Mr. Arthur E. Wilson, "Trumpet Voluntary in C." (Purcell); (a) The Question; (b) The Answer (Wolstenholme); Chant Heroique (Cesar Franck).

9.0: Weather forecast and notices.

9.2: Talk, Mr. A. B. Chappell, "Byways of New Zealand Story."

9.17: Duet, Lillian Woods and Lambert Harvey, "Oh That We Two Were Maying" (Smith). Contralto, Beryl M. Smith, "Ring Bells, Ring" (Day).

9.21: Recording, Norman Long, "I Wonder What Made Her Go" (Frankau).

9.24: Violin, Ida Lockwood, (a) Romanza Andaluzza" (Sarasate); (b) Legende (Drdla).

9.30: Recording, Little Salon Orchestra, "Cupid's Parade" (Rivelli).

9.33: Radietta, Clarion Quartet and Tom Harris, "On the Air" (Harris-Waters).

9.56: Recording, National Military Band, "Ben Hur" (Byng).

10.0: Close down.

2YA Wellington

Friday 3. 720 kc.

10.0: Chimes. Selected recordings.

10.30: Devotional service.

12.0: Lunch music.

2.0: Selected recordings.

3.30: Special weather report and sports results.

4.0: Special weather report.

4.55: Close down.

5.0: Children's hour, by Aunt Molly.

Dinner Music.

6.0: Berlin State Opera Orchestra, "Oberon Overture" (Weber). Concert Orchestra, "Sous Bois" (In the Forest) (Staub). Jacques Jacobs Ensemble, "España Waltz" (Waldteufel). Columbia Symphony Orchestra, "March of the Toys" (Herbert).

6.19: The Royal Music Makers, "Ah! Sweet Mystery of Life" (Herbert). Dajos Bela Orchestra, "Vienna Life" Waltz (Translateur). Opera Comique Orchestra, "The Sorotchintsi Fair" A Hot Day in Little Russia (Moussorgsky).

6.31: String Orchestra, "From the Squirrel Album"—(a) "The Midshipmite"; (b) "Heather"; (c) "Village Dance" (Brown). Peter Bilo's Balalaika Orchestra, "The Wide Dniپر" (Ukrainian Medley). Piccadilly Orchestra, "Souvenir di Capri" (Bece). New Mayfair Orchestra, "Five O'Clock Girl" Selection.

6.44: International Novelty Orchestra, "I Love You Truly" (Bond). H.M. Grenadier Guards Band, "Country Dance" (German). Marek Weber Orchestra, "Siren Magic" Waltz (Waldteufel). Columbia Symphony Orchestra, "The Flatterer" (Chaminade). De Groot and His Orchestra, "Zinetta" (Geehl).

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7.0: News and reports.

7.40: Lecturette, Mr. W. A. Sutherland, Secretary, Wellington Automobile Club, "Roads and Motoring."

Concert Programme.

Concert by the Methodist Maori Mission Choir by arrangement with the Rev. A. J. Seamer.

8.0: Chimes.

Greetings, Te Akonga Pihama (Waikato) and Choir, Calls, Chant, Waiata and Haka.

Chant, The Choir, "Psalms" (Maori and English).

Maori Waiata, The Choir, "Kupe's Song"; "Our Polynesian Fathers."

Song, Rangitahi (North Auckland), "E Pahi Ra."

8.18: Recording (Instrumental), Victor Olof Salon Orchestra, "Petite Suite de Concert" (Coleridge-Taylor).

8.24: Concerted Vocal Items, The Choir, Maori and English.

Poi Dance, The Choir.

Song, Hohepa Tutawhiao (Riverton), "Ka Mate Ka Mate."

8.34: Recording (Novelty Instrumental), Scott-Wood Accordion Quartet, "Every Day's a Lucy Day" (Carlton).

Recording (Piano), Raie da Costa, "You're the One in a Million" (da Costa).

8.40: Lecturette, E. W. Ackland, "The Philosophy of Deafness."

9.0: Weather report and notices.

9.2: Steel Guitar, Te Akonga Pihama (Waikato), "A Polynesian Lament."

Song, Raiha Pihama (Raglan), "Maori Waiata."

Song, Hone Wereta (Otaki), "The Locust."

Quartet, Members of Choir, "Hinemoa." Song, Rangipika Karamaina (King Country), "Te Akoako o te Rangitahi."

9.18: Recording (Saxophone), Howard Jacobs, "Down in the Forest" (Ronald); "At Dawning" (Cadman).

9.24: Anthem, The Choir, "How Excellent is Thy Loving Kindness."

Song, Piuraki te Rakaihikuroa (Canterbury), "Home, Little Maori Home."

Medley, The Choir, "Maori Choruses."

Solo, Airini Wereta (Chatham Islands), "Waiata Poi."

9.40: Recording (Instrumental), Regal Virtuosi, "Nola" (Arndt); "La Paloma" (Yradier).

9.46: Group of Concerted Vocal Items, The Choir.

Haka.

10.0-11.0: Dance programme.

3YA Christchurch
Friday 3. 980 kc.

10.0: Devotional service.

10.15: Selected recordings.

11.0: Talk, Miss A. R. Powell, B.Sc., "Feeding the Family."

11.15: Selected recordings.

12.0: Lunch music.

2.0: Selected recordings.

3.30: Sports results.

4.30: Weather forecast and sports results.

5.0: Children's hour, by "Friday."

Dinner Music.

6.0: San Francisco Symphony Orchestra, "Coppelia Ballet-Automatons Dance" (Delibes). International Novelty Orchestra, "Four Little Farms" Waltz. A. and P. Gypsies Orchestra, "Herbertiana" (Stone). De Groot (violin), Herbert Dawson (organ), "I'll Sing Thee Songs of Araby" (Clay).

6.13: Orchestre Symphonique de Paris, "L'Arlesienne" Prelude Overture Act 1 (Bizet). Court Symphony Orchestra, "The Gondoliers" Selection (Sullivan).

Pavilion Lescant Tango Orchestra, "In a Little Cafe" Tango (Neubach).

6.29: Poltronieri String Quartet, "Canzonetta from Quartet in E" (Mendelssohn). Grand Symphony Orchestra, "The Great Eysler" Potpourri (arr. Hruby). Organ, Stanley MacDonald, "Was it a Dream?" (Coslow).

6.46: Reginald King and His Orchestra, "Garden in the Rain" (Gibbons). Berlin State Opera House Orchestra, "From Foreign Parts" (Moszkowski). Dajos Bela Orchestra, "Gypsy Love" Waltz (Lehar).

7.0: News and reports.

Concert Programme.

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

8.14: Recording, Light Opera Company, Gems from "Rose Marie" (Friml).

★ A ★
Recital by
John Brownlee
the eminent Australian
baritone, will be relayed
by 1YA, at 9.2 p.m.,
On
SATURDAY, MARCH 4.

8.18: Cornet, Mr. N. G. Goffin and Orchestra, Polka, "By the Avon" (Fred Woleage).

8.21: Mezzo-soprano, Mrs. Evelyn Barley, "Beloved It Is Morn" (with orchestra) (Aylward).

8.24: Recording, Lener String Quartet, "Traumerei" (Schumann).

8.26: Humour, Jock Lockhart, "The Bold Bad Lad of Bagdad" (Blight).

8.30: Selected recordings.

9.0: Weather forecast and station notices.

9.2: Reserved.

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

9.24: Recording, Grand Opera Company, "Tales of Hoffman" (Offenbach).

9.28: Cornet, Mr. N. G. Goffin, with orchestra, (a) "In an Old Fashioned Town" (Squire); (b) "I Love You Truly" (Bond).

9.34: Mezzo-soprano, Mrs. Evelyn Barley, (a) "If My Songs Were Only Winged" (Hahn); (b) "Vale" (Kennedy Russell); (c) "Love's Coronation" (Aylward).

9.42: Foxtrot, Salon Orchestra, "Auf Wiedersehen" (My dear) (Hoffmann).

9.46: Humour, Jock Lockhart, (a) "When Young Whittington Heard Those Bow Bells Chime" (Rutherford); (b) "That's Why I Love Her" (Weston Lee).

9.54: Salon Orchestra, Suite from "The Samoan Isles"—(a) "By Coral Reef"; (b) "Savani Love Song"; (c) "Festival Dance" (Geehl).

10.6: Close down.

4YA Dunedin
Friday 3. 650 kc.

10.0: Selected recordings.

10.45: Lecturette, Miss I. Finlay, "Cooking and Recipes."

12.0: Lunch music.

2.0: Selected recordings.

3.15: Lecturette, Miss A. H. Johnson, "Guides to the Attractive Wardrobe."

3.30: Sports results.

4.0: Special weather report for farmers.

4.30: Sports results.

5.0: Children's hour, conducted by Aunt Sheila.

Dinner Music.

6.0: Berlin State Opera House Orchestra, "Preciosa Overture" (Weber). Brunswick Salon Orchestra, "Trees" (Rasbach).

(a) "Serenade" (Volkman); (b) "Flight of the Bumble Bee" (Rimsky-Korsakov).

6.15: Cleveland Symphony Orchestra, "The School of the Fauns" (Pierne).

Alexandre Glazounov and Symphony Orchestra, "The Season's Ballet" Autumn—

(a) "Bacchanal"; (b) "Petit Adagio"; (c) "Les Bacchantes" (Glazounov).

The Classic Symphony Orchestra, "Peer Gynt Suite No. 1"—(a) "Morning"; (b) "The Death of Ase"; (c) "Anitra's Dance"; (d) "In the Hall of the Mountain King" (Grieg).

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

6.49: Herman Finck and his Orchestra, "Plantation Melodies" (arr. Finck).

Cleveland Symphony Orchestra, "Shepherd's Hey" (Grainger).

7.0: News and reports.

Concert Programme.

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

8.5: Songs at the piano, Rita Holmes, (a) "Looking on the Bright Side" (Towers); (b) "Gipsy Moon" (Borganoff).

8.11: Quadrilles, Will Smith's Kapai Dance Band, "Evergreen Quadrilles" (Hume).

8.23: Humour, Lester F. Moller, "A Speech on Education" (Anon).

8.29: Bass, Frank Watt, (a) "There Was a Lad" (Burns); (b) "The Auld Hoose" (Trdl.).

8.35: Waltz, Kapai Dance Band, "Indiana Sweetheart" (Mason).

8.40: Recording, Columbia Dramatic Players, "My Ain Folk" (Descriptive Ballad) (Mills).

8.44: Xylophone, W. J. Sinton, "Morning, Noon and Night" (Suppe).

8.50: Contralto, Mrs. E. Stone, (a) "Sink, Red Sun" (Del Reigo); (b) "Dreams of Long Ago" (Nicholls).

8.56: Recording (Accordion), M. Vola, "La Java de Doudoune" (Padilla).

9.0: Weather report and station notices.

9.2: Reserved.

9.17: Popular Melodies, Kapai Dance Band, (a) "Now You've Got Me Worried" (Fain); (b) "In a Shanty in Old Shanty Town" (Young).

9.23: Songs at the piano, Rita Holmes, (a) "Sing a New Song" (Ager); (b) "Auf Wiedersehen" (Greenberg).

9.29: Recording (Banjo), Mario de Pietro, "Frisolous Joe" (de Pietro).

9.32: Humour, Lester Moller, "Why a Doctor Doesn't Tell" (Macgill).

9.37: Waltz, Kapai Dance Band, "Memories of Other Days" (Petrie, Bond, Jacob).

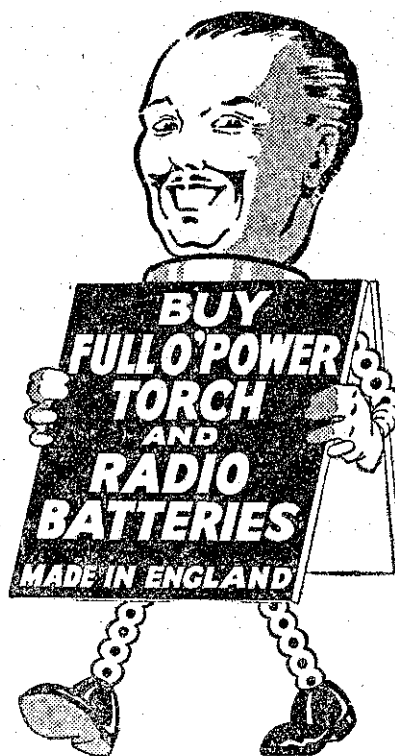
9.43: Contralto, Mrs. E. Stone, (a) "Slumber Sea" (Chisholm); (b) "On Miami Shore" (Jacobi).

9.49: Xylophone, W. J. Sinton, (a) "The Islander" (arr. Pettitt); (b) "Aloha Oe" (Trdl.).

9.54: Bass, Frank Watt, (a) "The Blue Dragons" (Russell); (b) "The Ship of Rio" (Keel).

9.59: One-step, Kapai Dance Band, "Mona Lisa" (Sullivan).

10.2: Close down.



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AGENTS WANTED.

1YA Auckland

Saturday 4. 820 kc.

3.0: Selected recordings.
4.30: Weather report for farmers.
4.32: Selected recordings.
5.0: Children's hour, by "Cinderella."

Dinner Music.

6.0: Berlin State Opera House Orchestra, "Abu Hassan" Overture. De Groot and His Orchestra, "Tina" (Rubens). London Theatre Orchestra, "A Country Girl" Selection (Monekton).

6.15: Organ, Emil Velazee, "La Golondrina" (Mexican Air). Orchestra Opera Comique, Paris, "Manon" Ballet Music (Massenet). J. H. Squire Celeste Octet, "The Fly's Courtship" (Squire). Ernest Leggett London Octet, "Operatic Fantasia" (arr. Aldington).

6.36: Johann Strauss Orchestra, "Voices of Spring" Waltz (Strauss). John Barbirolli's Chamber Orchestra, "A Little Night Music" Serenade (Mozart). Marek Weber Orchestra, "Blonde or Brunette" Waltz (Waldteufel).

7.0: News and information.

7.30: Horticultural Talk.

Concert Programme.

8.0: Recording, Band, Band of H.M. Coldstream Guards, "Light Cavalry" (Suppe).

8.5: Soprano, Reta MacCullay, (a) "It Is Only a Tiny Garden" (Wood); (b) "Flower Song" (Gounod).

8.11: Instrumental, Barry Ingall's Hawaiian Trio, (a) "Mele of Hawaii" (Noble); (b) "Hawaiian Switch" (arr. Ingall); (c) "Hawaiian Memories" (Heagney).

8.19: Recording, Sketch, The Hulbert Brothers, "Modern Colour Poems" (Hulbert).

8.25: Recording, Piano, The Two Octaves, "By the Sycamore Tree" (Windling).

8.28: Soprano, Reta MacCullay, "I Wonder If Love is a Dream" (Forster).

8.31: Instrumental, Barry Ingall's Hawaiian Trio, (a) "Hilo March" (Lillikalani); (b) "La Paloma" (Yradier).

8.37: Recording, Vocal Gems, Columbia Light Opera Company, "Hold My Hand" (Gay).

8.40: Talk, "Old Wire Whiskers," "Lies From a Skipper's Log: The Dream of the Irish Waif."

9.0: Evening weather forecast and announcements.

9.2: Relay of Recital by John Brownlee, the eminent Australian baritone.

10.0: Sports summary.

10.10: Dance music.

11.10: Close down.

2YA Wellington

Saturday 4. 720 kc.

10.0: Chimes. Selected recordings.

10.30: Devotional service.

12.0: Relay from the Hutt Park of the Wellington Trotting Club's Autumn meeting. Selected recordings.

3.30: Special weather report and sports results.

4.0: Special weather report.

4.0: Sports results.

4.55: Close down.

5.0: Children's hour, by Aunt Molly and Uncle Jasper.

Dinner Music.

6.0: Percy Pitt and Augmented Symphony Orchestra, "Poet and Peasant" (Suppe). Organ, Quentin MacLean "Lily of Laguna" (Stuart). Menorah

Saturday

March 4.

Evening Talks: Horticultural Talk. 1YA, 7.30.
"Lies From a Skipper's Log: The Dream of the Irish Waif," by "Old Wire Whiskers." 1YA, 9.2.
"The Mary Celeste: An Explanation of the Mystery," Mr. W. E. Leicester. 2YA, 8.41.

Features: 1YA. Reta MacCullay (soprano); Barry Ingall's Hawaiian Trio.
2YA. One Hour of Music, Song and Story, entitled "Bits and Pieces."
3YA. Vaudeville by the Smart Set Entertainers—"A Night with the Navy and Army."
4YA. Relay of programme from 3YA, Christchurch.

Symphony Orchestra, "Bar Kochba" Selection (Goldfaden).

6.19: New Queen's Hall Orchestra, "Carmen" Ballet Music, Act 4 (Bizet). Herman Finck and His Orchestra, "Offenbachiana" (arr. Finck). B.B.C. Wireless Military Band, "Golliwog's Cake Walk" (Debussy).

6.32: Herman Finck's Orchestra, "Schubertiana" (arr. Finck). J. H. Squire Celeste Octet, "Moonbeams and Shadows" (Squire). Court Symphony Orchestra, "The Windmill Man." Jean Lensen and His Orchestra, "Love's Last Day" (Bensatky).

6.52: J. H. Squire Celeste Octet, "The Ant's Antics" (Squire). Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).

7.0: News and reports.

Concert Programme.

(Relay to 2ZD, Masterton.)

8.0: Chimes. Overture, 2YA Concert Orchestra, (Conductor, Mr. Leon de Mauny) "Light Cavalry" (Suppe).

8.7: Recording (Humour), The Jolly Old Salts "In Davy Jones' Locker" (Lee).

8.13: Baritone, Mr. S. Evelyn Rodger, (a) "Molly's Eyes" (Hawley); (b) "Under the Rose" (Hawley).

8.19: Selection, The Orchestra, "The Student Prince" (Romberg).

8.29: Recording, Will Fyffe, (a) "The Gamekeeper" (Fyffe); (b) "The Centurion" (Fyffe).

8.35: Baritone, Mr. S. Evelyn Rodger, (a) "My Dreams" (Posti); (b) "All Joy be Thine" (Sanderson).

8.41: Lecturette, Mr. W. E. Leicester, "The Mary Celeste—An Explanation of the Mystery."

9.0: Weather report and station notices.

9.2: Presentation of One Hour of Music, Song and Story, entitled "Bits and Pieces" arranged by Mr. and Mrs. Will McKeon.

10.0: Sporting summary.

10.10: Dance programme.

11.10: Close down.

3YA Christchurch

Saturday 4. 980 kc.

2 p.m.: Relayed description of Canterbury Amateur Athletic championship meeting at Lancaster Park.

3.0: Selected recordings.

3.30: Sports results.

4.30: Special weather report and sports results.

5.0: Children's hour, by "Riddleman."

Dinner Music.

6.0: International Novelty Orchestra, "Carmen Sylva" Waltz (Ivanovici). Or-

chestra Symphonique de Paris, "L'Arlesienne Suite Entr'acte" Le Cuisine de Castellet (Bizet). Grand Symphony Orchestra, "Dance of the Waves" (Catalani). De Groot (violin) and Herbert Dawson (organ), "Drink To Me Only With Thine Eyes" (Calcott).

6.17: International Novelty Orchestra, "Eva" Waltzes (Lehar). De Groot and His Orchestra, "For Ever and For Ever" (Tosti). The Band of H.M. Coldstream Guards, "Floradora" Selection (Stuart). Zonophone Salon Orchestra, "Eleanor" (Deppen). Vienna Philharmonic Orchestra, "Dorfschwalben" Waltz.



Eric Waters.

pianist, who will play "Seduidillas" (Alberniz), and "Marche Militaire" (Schubert-Tausig), from 1YA on Thursday, March 2.

6.43: Organ, Edward O'Henry, "Dream Lover" (Scherztzinger). Vienna Philharmonic Orchestra, "Hungarian Dance No. 3" (Brahms). Orchestre Symphonique de Paris, "L'Arlesienne Suite Intermezzo" (Bizet).

6.52: Columbia Symphony Orchestra, "Badinage" (Herbert). International Novelty Orchestra, "Emperor" Waltz (Strauss).

7.0: News and reports.

Concert Programme.

8.0: Chimes. Vaudeville by The Smart Set Entertainers, "A Night with the Navy and Army," produced by Agnes Shearsby. First half—"An Hour with the Navy." Studio Orchestra, Conductor Mr. H. G. Glaysher, "Nautical Moments" (arr. Winter).

8.12: The Smart Set Entertainers, "A Life on the Ocean Wave" (Russell). Company, "Come for a Stroll Along the Jetty Betty" (Cuthbertson). Bass, "Hats off to the Stoker" (Arundale). Soprano, "The Lute in the Grass" Turner Maley). Tenor and Company, "To the Music of the Band" (Coventry). Tenor, "Nancy Lee" (Adams). Piano, "You

Tell 'em Ivories" (Confrey). Contralto, "Under the Skies" (arr. Shearsby). Bass, "Potted Poetry" (arr. Lambert). Baritone, "Every Ship Will Find a Harbour" (Schmid). Baritone and Company, "Forty-seven Ginger Headed Sailors" (Sarony). Company, "Sea Chanties" (arr. Shearsby). Studio Orchestra, "Four Songs of the Sea"—(a) "Drake's Drum"; (b) "Devon and Devon"; (c) "Homeward Bound"; (d) "The Old Superb" (Stanford).

9.2: Weather forecast and station notices.

Second half—"An Hour with the Army" by Smart Set Entertainers.

9.4: March, Studio Orchestra, "The Fighting Ninth" (Strachan); "The British Patrol" (Asch).

9.10: Company, "Here We Are Again" (arr. Smart Set). Baritone, "Sing a Long" (Penn). Bass, "Ta Ta My Bonnie Maggie Darling" (Lauder). Soprano, "Fairy Pipers" (Brewer). Tenor, "When the Sergeant Major's on Parade" (Longstaffe). Piano, Extract from "Light Cavalry" Overture (Suppe). Baritone, "I Dream of the Big Parade" (McHugh). Contralto, "Dear Little Irish Mother" (O'Brien). Bass, "The Drum-Major" (Newton). Sketch, "The New Recruit" (arr. Stewart and Lambert). Bass, "Come to the Cookhouse Door" (Charles). Company, "Medley of Military Airs" (arr. Shearsby). Marches, Studio Orchestra, (a) "Flag of Victory" (Von Blon); (b) "Greeting to Bangor" (Hall).

10.0: Sports summary.

10.10: Dance music.

11.10: Close down.

4YA Dunedin

Saturday 4. 650 kc.

2.0: Relay of Otago Rowing Association's Annual Regatta.

5.0: Children's hour, by Aunt Anita.

Dinner Music.

6.0: B.B.C. Wireless Symphony Orchestra, "Ruy Blas" Overture (Mendelssohn). Brunswick Concert Orchestra, "The Perfect Song" (Breill). Edith Lorand Orchestra, "Three O'Clock in the Morning" Waltz (Robledo).

6.14: Regal Cinema Orchestra, "Sally" Selection (Burke, Kern). Miniature Concert Orchestra, "Yesterthoughts" (Herbert). Grand Symphony Orchestra, "Slavonic Rhapsody" (Friedmann).

6.32: Eastbourne Municipal Orchestra, "Silhouettes"—(a) "Introduction"; (b) "La Coquette" (Arensky). New Queen's Hall Light Orchestra, "Wood Nymphs" Valse (Coates). Brunswick Concert Orchestra, "Sylvia" (Speaks). De Groot and the New Victoria Orchestra, "Other Days" (arr. Finck).

6.51: Edith Lorand Orchestra, "After the Ball" Waltz (Harris). Winter Garden Orchestra, "Thunder and Lightning" (Esther).

7.0: News and reports.

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Sunday

March 5.

Church Services: 1YA. 7 p.m. St. Matthew's Anglican Church. Preacher: Canon C. H. Grant

Cowen.

2YA. 7 p.m. St. Gerard's Redemptorist Church.

3YA. 7 p.m. Salvation Army Citadel, Victoria Square. Conducted by Ensign Neeve.

4YA. 6.30 p.m. St. Paul's Anglican Cathedral. Preacher: Very Rev. Dean Cruickshank.

After Church Concerts: 1YA. Chamber Orchestra.
2YA. Lecture recital, "Women in Music." Narrator: Mr. Karl Atkinson.
3YA. Relay of programme from 4YA, Dunedin.
4YA. Relay of organ recital from Dunedin Town Hall by Dr. V. E. Galway, Dunedin City Organist.

1YA Auckland
Sunday 5. 820 kc.

2.0: Selected recordings.

4.30: Close down.

6.0: Children's Song Service, conducted by "Uncle Bert."

7.0: Relay Evensong from St. Matthew's Church. Preacher: Canon C. H. Grant Cowen. Organist and Choirmaster: Mr. J. H. Philpott.

Concert Programme.

8.30 (approx.): Selection, 1YA Chamber Orchestra, "Silver Wings" (Waller). Tenor, Leslie Belcher. (a) "Thank God for a Garden" (Del Riego); (b) "I Hear a Thrush at Eve" (Cadman).

Recording (Piano), Irene Scharrer. "Andante and Rondo Capriccioso" (Mendelssohn).

Soprano, Gwenda Weir. (a) "Under the Greenwood Tree" (Coates); (b) "Fall Snowflakes" (Liddle).

March, The Orchestra, "Sons of the Brave" (Bidgood).

Evening weather forecast and announcements.

Recording (Vocal Gems), Light Opera Company, "Rigoletto" (Verdi).

Potpouri, The Orchestra, "Old and New" (Finck).

Tenor, Leslie Belcher, "I Seek for Thee in Every Flower" (Ganz).

Recordings (Harp), John Cockerill. (a) "At the Fountain" (Zabel); (b) "Bells of Aberdovey" (Thomas).

Recording, Westminster Abbey Special Choir, "In Dulci Jubilo" (arr. Pearsall). Suite, The Orchestra, "Poetique" (Bloch).

Soprano, Gwenda Weir. (a) Love's Lament" (Head); (b) "O Ship of My Delight" (Phillips).

Recordings, (Violin), George Lipschultz, "Estrellita" (Ludlow).

Bass-Baritone, Peter Dawson, "Rolling in Foaming Billows" (Haydn).

Massed Military Bands, "Wellington" (Zehle).

10.0: Close down.

2YA Wellington
Sunday 5. 720 kc.

2.0 to 4.30: Selected recordings.

6.0: Children's Song Service, conducted by Uncle George, assisted by the Children's Choir from St. Matthew's Anglican Church.

7.0: Relay of Evening Service from St. Gerard's Redemptorist Church, Hawker Street, Wellington. Organist: Mr. Henry Mount. Choirmaster: Mr. F. J. Oakes.

Concert Programme.

(Relay to 2ZD, Masterton.)

8.15 (approx.): Lecture recital, "Women in Music." Narrator, Mr. Karl Atkinson.

10.0: Close down.

3YA Christchurch
Sunday 5. 980 kc.

2.0: Selected recordings.

4.30: Close down.

5.30: Children's Song Service by children of Salvation Army.

6.15: Selected recordings.

7.0: Relay of Evening meeting from Salvation Army Citadel, Victoria Square, conducted by Ensign Neeve.

Concert Programme.

8.15: Relay of programme from 4YA, Dunedin.

10.0 (approx.): Close down.

4YA Dunedin
Sunday 5. 1230 kc.

2.0: Selected recordings.

4.30: Close down.

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

6.15: Selected recordings.

6.30: Relay of Evening Service from St. Paul's Anglican Cathedral. Preacher, Very Rev. Dean Cruickshank. Organist, E. H. Heywood, F.R.C.O.

7.45: Selected recordings.

Concert Programme.

8.0: Weather report.

8.15: Relay of Organ Recital from Dunedin Town Hall by Dr. V. E. Galway, City Organist and assisting artists.

9.30: Selected recordings.

10.0: Close down.

2YB New Plymouth
Sunday 19. 1230 kc.

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

7.0 to 8.15: Church relay.

8.15 to 10.0: Studio concert.

Loss to Broadcasting

Mr. Billy Hart's Departure

THE departure of Mr. Billy Hart for Australia will leave a gap in the list of popular artists available for broadcasting in the Dominion.

Mr. Hart, whose songs at the piano were a feature of any programme to which he contributed, was a popular figure in musical circles, and his services were in constant demand for smoke concerts, lodge meetings, and similar functions. Mr. Hart made his final microphone appearance in New Zealand from 2YA last Tuesday evening, and a fitting reference to his past services to broadcasting in the Dominion were made by Mr. Clive Drummond in announcing this popular singer.

Mr. Billy Hart and his father, Mr. "Charlie" Hart, who is also well known



BILLY HART.

—Photo, S.P.A.

in musical circles throughout the Dominion, left for Australia last Thursday on the Wanganella. A large gathering representative of musical, theatrical and entertainment interests in New Zealand assembled on the wharf to wish them farewell, and all success in the future in Australia.

This wish will no doubt be endorsed by the many listeners throughout the Dominion who have been entertained by Mr. Billy Hart from 2YA on many occasions during the past few years.

2ZW Programmes

Wednesday, February 22.—7-8.30 a.m.: Breakfast session. 10: Devotional service. 10.15: Session for womenfolk. 12: 2 p.m.: Lunch session. 5: Children's session (Uncle Toby). 7: After-dinner music. 8: Merry-makers' bright half-hour. 8.30: British concert programme. 10: Dance session, including relay from Majestic Lounge.

Thursday.—7-8.30 a.m.: Breakfast session. 10: Devotional service. 10.15: Session for womenfolk. 12.2 p.m.: Lunch session. 5: Children's session (Aunt Joan). 7: After-dinner music. 8: Concert programme. 9: Classical concert. 10: Brief dance session.

Friday.—7-8.30 a.m.: Breakfast session. Silent reminder of day.

Saturday.—7-8.30 a.m.: Breakfast session. 10: Devotional service.

Session for womenfolk. 12-2 p.m.: Lunch session. 7: After-dinner music. 8: Popular concert programme. 10: Dance programme, including relay from the Majestic Lounge.

Sunday.—11 a.m.: Devotional service by the Padre. 6.30 p.m.: Session of eventide music. 7: Relay of evensong from St. Paul's Pro-Cathedral, Mulgrave Street. 8.15: Studio concert, including a recital by Signor Lucien Cessaroni. 9.55: Epilogue.

Monday.—7-8.30 a.m.: Breakfast session. 10: Devotional service. 10.15: Session for womenfolk. 12-2 p.m.: Lunch session. 7: After-dinner music. 8: Concert programme. 9: Book review by Mr. Douglas Mackay. 9.10: Concert programme. 10: Brief dance session.

Tuesday.—7-8.30 a.m.: Breakfast session. 10: Devotional service. 10.15: Session for womenfolk. 12-2 p.m.: Lunch session. 7: After-dinner music. 7.30: Motoring talk. 8: Concert programme.



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..... R.I.

SUNDAY night's broadcast of "The

Merchant of Venice," by the Dame Sybil Thorndike Company will not soon be forgotten. The skilful cutting did not break the thread of the story, and, indeed, the omission of passages of florid imagery which only delay the action, gave the play the swift movement which is necessary for radio presentation, where the eyes cannot feast themselves on gorgeous settings and costumes. Dame Sybil Thorndike's "Portia" had all the youthful charm and wit which distinguishes this favourite Shakespearean heroine, and Lewis Casson's interpretation of the complex character of Shylock was most convincing. The famous "Trial Scene," tainted as it is by school recitations, regained its true vitality and freshness in the hands of these magnificent artists. Words which had lost their full meaning from constant repetition glowed again with a new significance when they were spoken in their setting with perfect naturalness. It seems to me that these two have learnt the secret which is known to but a few artists of rare understanding and imagination—the secret of not acting, but for a space of time really living a part.

ON Thursday Mr. S. D. Potter gave a talk which should be of interest to all New Zealanders. Though the subject was "Native Bird Life on the Little Barrier Island," Mr. Potter gave first a general survey of the condition of native birds. When the Maori alone inhabited these islands the bush-clad ranges and plains were a paradise for countless birds. The food supply was ample, and as there were practically no enemies many birds knew no fear and were tame almost to foolishness. As a result, they fell an easy prey to the destruction and chaos that followed in the train of the pakeha's civilisation. Bush fires, weasels, rats, and man himself with a lust for killing accounted for many of these lovely creatures. Finally there was formed the New Zealand Bird Protection Society, which had a hard battle against ignorance, selfishness and lack of money. Sanctuaries were established, and now, adapting themselves to the changed conditions, some species are able to hold their own and some are even increasing.

MR. POTTER then gave some very convincing reasons why we should protect our birds. Apart from the fact that seventy species are peculiar to New Zealand and we owe their preservation as a duty to posterity, the birds are necessary for the good of the country. We must have a certain amount of forest area, and it has been found that of all the native trees the seeds of the kauri and the beeches alone are not dispersed by birds. Alien birds are useless for this as they do not penetrate any great distance into the bush. Birds are also the most important check upon the insect menace, and at present the balance between man and insect is only just in favour of man. The devastation that follows a plague of insects has several notable examples. Formerly in the southern States of Europe birds were killed mercilessly to provide dishes for rich gourmets, and as a natural penalty in-

sects destroyed all vegetation, even stripping trees in city streets. To avert the peril the Governments concerned immediately introduced birds to the devastated areas, and passed laws protecting them. Then there is the classic story of Utah, where in 1848 a plague of Rocky Mountain crickets devoured the crops; the populace threatened with famine attacked the pest with shovels. Then a huge flock of sea-gulls flew to their aid, devouring the crickets, disgorging them in the water and coming back for a fresh instalment. The gulls are now preserved by an unwritten law, and a monument has been erected to them at a cost of 12,000 dollars. In New Zealand we need all the assistance we can get from our insectivorous birds, and surely it would warm the heart of any aster or tomato-grower to see the zest with which the beautiful shining cuckoo dispatches any number of caterpillars.

ON Saturday, "Fore Peak's" story of "A Pirate Attack" concerned the "Antelope," which ship, under the command of Captain Watkins, escaped after a severe conflict. She was heading for the Canton River, and after she had passed the Asses' Ears in the Ladrone Islands, two pirate boats heavily armed, came out, but Captain Watkins turned Long Tom on them and they pulled back to land. Two hours later, when the ship was becalmed in the lee of the land, the pirates returned with two more ships, but Long Tom, again coming into action, knocked a hole in one. The other three advanced till the crews could leap at the bowsprit, and while the excitement lasted there, one boat dropped back and attacked the ship in the rear. The cook, with admirable presence of mind, dashed boiling water into the faces of the foe, and the skipper, seeing this effective treatment, prescribed more of

this same medicine for the attackers in the bow. They were at length repelled, and with the rising of a squall, the brig moved speedily out of danger.

I AM sorry that Mr. E. J. Bror O. Muller has given us the last talk of his series on "The Danish Folk School and Its Influence on Farming and National Life." He wound up by summarising the results of the Folk School's system of education. Most of the students received their instruction at a period when their minds were receptive; consequently their prejudices fell away, and they started out into life with a faith in the future and a courage to work. This was the saving of the economic life of Denmark. Wheat, which had been their chief product last century, had fallen in value, and with the clear-sightedness bred of the Folk School outlook, the farmers turned to the production of butter, bacon, and eggs. Co-operation played a great part in the recovery of Denmark, and four-fifths of the organisers of these co-operative societies came from the Folk Schools. The greater part of Denmark's produce passes through these associations, thus giving the small farmer all the advantages that result from large-scale dealings. The urban drift, which is a problem in most agricultural countries, does not exist in Denmark, where the social attractions of the countryside are almost equal to those of the city. The principles of the Folk School have spread to the other Scandinavian countries, and schools run on the same lines are increasing in different European lands. Since New Zealand and Denmark primarily depend on rural activities and overseas markets, it would certainly be to New Zealand's advantage to try the methods which have brought to Denmark not only prosperity, but enlightenment and vision.

Auckland Notes

By "Neutron"

Our Mailbag

Overseas Relays Appreciated.

AS a stay-at-home New Zealander, I greatly appreciate having London and its celebrities brought to me, as was done on three occasions last week. I thought Miss Jane Mander's talk particularly interesting and entertaining, and the relay of GSD for a triumph for IYA. To hear the Prince of Wales perfectly, in one's own home, from London, 13,000 miles away, is a memorable experience. "The Merchant of Venice" relay was magnificent, and I would like to thank the Broadcasting Board for affording me the opportunity of hearing such famous artists. —"Mahomet" (Takapau).

"Charley's Aunt"

(Continued from page 7.)

like to. The trick was done. I got the idea of my play and wrote it, and a week or so afterwards Penley took it for a little out-of-the-way tour in the provinces, to get himself into the part."

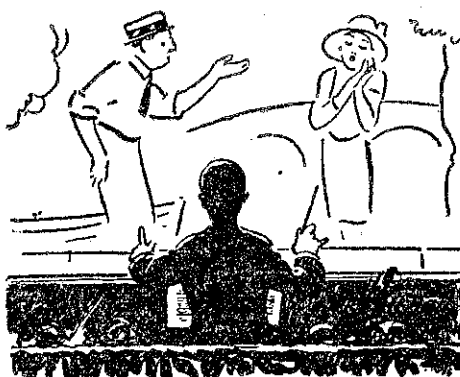
Shortly afterward Penley presented "Charley's Aunt" in London, where it ran for 1466 nights! Since then it has been played regularly in nearly every English-speaking country in the world. It was made famous throughout Australia many years ago by Charles Thornton, and some years later, in 1914-15, Norman Aitken made a highly successful tour of New Zealand with an amateur company, playing "Charley's Aunt" and "The Private Secretary."

Radio Round the World

ALTHOUGH Holland possesses only two recognised broadcasting stations which give musical entertainment, namely, Huizen and Hilversum, commentaries upon events of national importance are frequently given from the long-wave station at Scheveningen-Haven, which was erected for the purpose of broadcasting commercial reports and market quotations. However, any incident which may be topical and of interest to listeners in other countries is often broadcast.

A NEW bust of the distinguished scientist, Heinrich Hertz, was exhibited at the last Berlin Radio Exhibition, and attracted much attention. Hertz is honoured to-day for his scientific researches with ultra short-waves that have since become known as "Hertzian waves." It was as a pupil of Hertz that Senator Marconi first became interested in the subject and finally evolved the modern method of wireless communication.

DURING the months of September and October of last year nearly thirty B.B.C. programmes were radiated from aerials in America, Germany, France, Switzerland, Holland, Austria and the Irish Free State. British military band music is especially popular in Germany, France has a liking for the symphony concerts, while Switzerland and Austria prefer concerts of the popular variety. Talks are at a discount on the Continent, but in America they are all the rage. The Columbia network frequently makes a feature of the B.B.C. talks.



"Bits and Pieces"

Is the title of a One-Hour Programme arranged by Mr. and Mrs. Will McKeon for presentation from 2YA on SATURDAY, MARCH 4.

Questions and Answers

J. H. (Inglewood): Could you give me the circuit constants of the six-watt amplifier described in the 1932 "Radio Guide"?

A.: They are all contained in the diagrams and the article. A suitable power-pack is described on page 111, or you could build the one described in the 1931 "Radio Guide."

"VALVE" (Ashburton): At present the set is using the original valves, which are a mixture of three different makes. Should I keep to these or use just one make only?

A.: Use one make only. Any one of the three you mention.

G. R. G. (Westport): Could you advise me as to a suitable text-book to study for the radio serviceman's examination?

A.: A book which will give you an excellent working knowledge of radio and which is written to cover the complete syllabus will be published in about a month.

2. Where could I obtain full particulars of the exam.?

A.: From the registrar of the examination board, 8 The Terrace, Wellington.

3. Could you describe in the "R.T." an 8-valve superhet. using the 234, 232, and 230 valves and "B" class amplification?

A.: We have had a set such as this in view for some time, though we can make no promises as to when it will be described.

J. R. G. (Thames): What short-wave adaptor could be used with my set?

A.: The manufacturers of the set you are using sell an excellent and reasonably-priced short-wave adaptor.

2. The set functions well for a few minutes and then the volume suddenly dies away, becoming almost inaudible for varying periods. Then, with a click, volume returns to normal. Is this due to interference or is the set at fault?

A.: The set. Have you had your valves tested recently? It appears that at least one of them is defective.

G. L. (Inglewood): I replaced my two G. 245's with 247's, as recommended by you, and the set is now going all right. When first connected up it oscillated, and after various experiments I cured this by connecting two .006 condensers from the grids to the 247's to earth. Is there a better way of stopping oscillation?

A.: Yes. To start with, the value of the condensers you are using is much too high, and high note loss would be serious.

Information Coupon

(To be used with all requests for information.)

Name of set

Model

Name

Address

.....

.....

Nom de plume

To be kept in subsequent inquiries

Please Note:—

- (1) Be specific and brief, tabulating, if possible.
- (2) Write legibly, and on one side of the paper.
- (3) We do not design circuits.
- (4) Limit three questions, unless 1/- is enclosed.
- (5) Postal queries limit three questions. Enclose stamped envelope and 1/- fee.

Try connecting a 100,000 ohms resistor between each of the grids and the two "G's" on the transformer. If this does not cure the trouble, connect a .00025 mfd. fixed condenser from each grid to earth.

J. R. A. (Dunedin): Could you recommend a simple five-valve battery circuit employing a screen-grid valve?

A.: Yes, the "De Luxe Five," described in the February "Radio Times," is the very set you want.

"TUPS" (Auckland): The 1931 "Radio Guide" is still procurable, price 2/6, posted 2/10. The gauges of the wire you enclose are as follows: Fine enamelled, 36; black enamelled, 28; cotton covered, 24; silk covered, 30.

H. W. (Tareora): I have a three-valve battery set, and recently I had the A battery charged. I can now hear Christchurch only very faintly, but Auckland and Wellington come in very well at their usual strength. My B battery is five months old.

A.: In all probability your B battery is slightly flat, and this is first apparent on the weaker stations.

"FAR NORTH" (Auckland): I have a six-valve American set with the rheostat working on the three r.f. valves. With the rheostat full on I can increase the signal strength from weak stations by putting my hand close to the detector valve. Why is this?

A.: It is difficult to say. There should be a fixed condenser of value .001 mfd. across the primary of the first audio transformer or from P of the detector socket to A— or earth. Without this condenser, signals would be weak and could very likely be improved by placing your hand near the detector.

2. The rheostat has a pair of points on the back similar to the cut-out of a car generator. Normally these are open, but sometimes they will come together, and when they close the ordinary switch takes no effect, and I have to turn the rheostat back the full turn to separate the points. What are these points for?

A.: We don't know. Are you sure your rheostat is connected the right way round?

3. Could I expect better results with the "Outspan Four" or the "De Luxe Five"? Which of these is the best for dx?

A.: The "Outspan Four."

World Radio News

TELEPHONE subscribers in Paris and other parts of France will soon be able to hear the time by just ringing the exchange and listening, as New Zealand subscribers were able to do before economy measures were introduced. The French announcements will be made by means of a loud-speaker worked by an electric clock and will broadcast the hour, minute and second every ten seconds.

AN amusing incident is reported in connection with the broadcasting of the play, "The Ghost Train," by 2UE. Rehearsals were in progress with much blowing of whistles and other sound effects when a noise from without interrupted proceedings. Two policemen were demanding admission, and it was learned that they had received an urgent message to the effect that a woman had been locked in the studio and was screaming for help. The guardians of the law appreciated the joke when they were acquainted with the cause of the screams.

Mr. Radio Fan
Puzzled, Want the latest?
"Tune in" on these publications at

N.Z.'s. OWN RADIO BOOKSHOP—

NEW STOCKS BY EVERY OVERSEAS MAIL—IF NOT LISTED BELOW, WRITE US.

- "Radio Physics Course" (second and enlarged edition), 37/6. (Answers every question on Radio and Talks).
- "Radio Servicing Course," by Ghirardi and Frew, 16/6 (Will solve your problems).
- "Q.S.T." latest issue, 2/6.
- "Radio Frequency Measurements," by Brown, 35/6.
- "Practical Radio Repairing Hints," by Rider, 15/6 (The serviceman's best friend).
- "Radio Engineering," 2/6 (U.S.A. monthly, giving latest developments).
- "Projection Engineering," 2/6 (U.S.A. monthly. Talkie people's advance guard).
- "Worked examples in Electrical Technology," 17/6, by Peasgood and Boydland (suitable for B.Sc. Engineering Students).
- "Broadcast Reception in Theory and Practice," by Pritchard, 11/- (self-contained for the experimenter).
- Handy's 10th Edition now issued. 200 copies initial shipment by next mail. 7/6 each. Order yours now; booking fast.
- "How to Become an Amateur Radio Operator," by Lieut. Eddy (a Gernsback publication), 3/6.
- "How to Become a Radio Amateur" (A.R.R.L.), 2/-.
- "Collins's Wireless Diary, 1933," 4/-.
- "Audel's Mathematics Calculations" (In all branches—a superb production), 8/6.
- "Audel's Radioman's Guide," 7/6.
- "Scott Radio Handbook and Servicing Manual, 1933," 1/7.
- "Newnes Complete Wireless Encyclopedia," to be issued in 24 weekly parts, 1/8 per part—Edited by Sir Oliver Lodge, Ralph Strangier and the World's valve authorities (Messrs. Fleming and Malloy). First portion is elementary, middle section on construction, and third portion on servicing—most complete radio publication ever issued. Binds in three volumes—no radioist should miss this great publication. Send us 40/- and we will post all parts as received by us.
- "First Principles of Television," by Dinsdale, 16/-.
- "ABC of Television or Seeing by Radio," by Yates, 18/6.
- "History of Radio Telegraphy and Telephony," by Blake (a wonderful and invaluable survey), 32/6.
- "Wireless Telegraphy" (D.U. Technical Series) by Leggett, practical and non-academic), 39/-.
- "Rider's Trouble Shooters' Manual, 1932," 58/6. (The serviceman's great friend).
- Henny's "Principles of Radio," 27/6.
- "R.C.A. Radiotron Manual" (latest tube dope), 1/7.
- "Mast and Aerial Construction," 2/-.
- "Perry's Auto-Time Morse System," 9d.
- "Morse Made Easy," 6d.
- "Handbook Technical Instruction for Wireless Telegraphists," by Dowsett, 27/6.
- "Pilot Blue Prints," 1/3.
- "Popular Hobbies: Special S.-W. Issue," 7d.
- "Radio News," latest, 2/6.
- "Radio World" (U.S.A. weekly, wonderful dope), 1/9.
- "Service Monthly," by Rider, 1/7.
- Kruse's "Modern Radio Monthly," 2/-.
- "N.Z.A.R.T. Log Book," 1/3.
- "Cinematography and Talks," by Cameron and Dubray, 28/-.
- "Sound Pictures and Trouble Shooter's Manual," by Cameron and Rider, 45/-.
- "Sound Pictures: Questions and Answers," by Cameron, 24/3.
- "N.Z. Handbook Annual, 1932," 2/6. (With International Time Converter Supplement).
- "Radio Engineering Principles," (Lauer and Brown), 19/6.
- "Radio Frequency Electrical Measurements," by Brown, 35/-.
- "Radio Receiving Tubes," by Moyer and Westral, 21/-.
- "Radio Construction and Repairing," by Moyer and Westral, 21/-.
- Loomis's "Radio Theory and Operating" (U.S.A.), 32/6. A good book for any amateur or operator.
- Morecroft's new book "Experimental Radio Engineering" (51 experiments), 26/-.
- "Radio: A Study in First Principles," by Burns, 15/- (Simple and clear).
- "Elements of Radio Communication," by Morecroft, 18/6.

OUR LOCAL AGENTS: (Inspect local stocks).

Auckland: F. R. Jeffreys, 370 Queen St.
Christchurch: A. T. Williams, Bookseller, 85 Cashel St. W.
Dunedin: Duncan and Simpson Ltd., Booksellers.
Gisborne: C. W. Muir, Bookseller.
Hamilton: Paul's Book Arcade.
Hastings: Hall's Bookshop.
Invercargill: Miss I. Lyon, Bookseller, Dee St.
Nelson: L. J. Cantwell, Bookseller, Bridge Street.
Napier: Storkey's Bookshop, Emerson St.
New Plymouth: Avery's Bookshop.
Oamaru: J. Miller, Stationer, Tees St.
Palmerston North: Borham's Radio Service, 245 Main St., W.
Stratford: Gardner's Book Shop.
Timaru: J. H. Healey, Bookseller.
Wanganui: Poynter's Bookshop.

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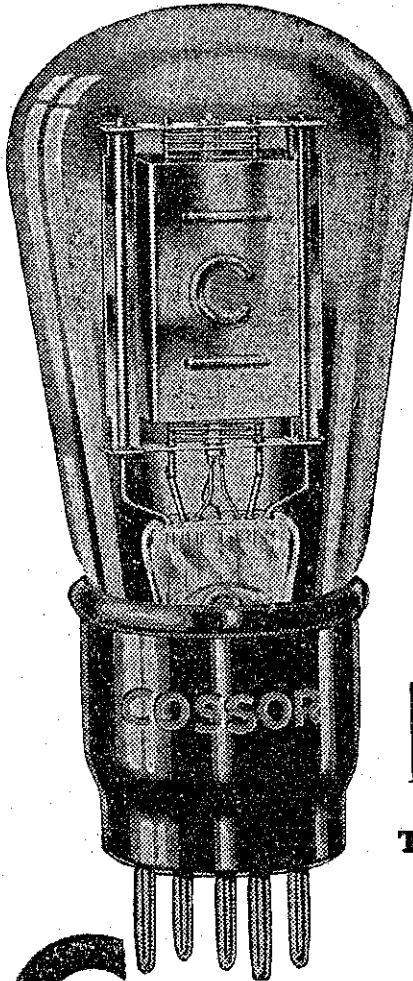
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(2) Prevents variation in electrode spacing and consequent variation in characteristics.

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News and Views of the DX Club

Identification Wanted

Station operating on approx. 820 k.c. heard every morning from 4-5.15 a.m., when it gradually fades out. Western music is heard.—160W (P.N.).

American heard on February 5 shortly after midnight on approx. 1090 k.c. "Beautiful Ohio" was sung, and then standard time was announced as 6.25 a.m. This was followed by another song, "Sleepy Time Gal" with piano accompaniment. Shortly after the announcer stated that the prayer song for the morning would be "What a Friend We have in Jesus." Local interference spoilt further reception. No call was given.—H.M. (Christchurch).

Station heard at R9, at 11.30 p.m. on February 14, on 38.2 m. English news re situation in Manchukuo was given, concluding at 11.41 p.m. Call sounded like ZILY. Later a woman was heard speaking in a foreign language. From 11 p.m. on February 14 a station was heard broadcasting musical items at R5 on 48.8 m. He was still on the air, though weaker, at 11.50 p.m.—780t. (Dunedin).

American heard on 580 k.c. on the evening of February 15. Signals were weak and were fading badly.—N.J. (Masterton).

Station heard on 820 k.c., from 3 to 3.45 a.m. on February 12 at R3-6. At 3.30 a.m. "Over There" was played, with singing in a native language, or extremely poor English. The item finished with a piccolo solo. Similar items were heard until about 3.45 a.m. No announcements were made. The language had no resemblance to either Japanese or Chinese.—115W (P.N.).

Station heard on 870 k.c. between 9 and 9.15 p.m. on Wednesday, 15th, at R6-7. I heard three orchestral numbers, then the announcement: "Station on 870 k.c." I think the middle letters of the call were CB or CD. He then played another number, and either faded out or closed down, for thirty minutes later I heard JOAK on the same frequency. Also a station on 1175 k.c. on Feb. 12. Numbers similar to the Japs were heard, and the call sounded like JOCK or JOGK. He closed down at 2.45 a.m. after three-quarters of an hour's silence, during which he blew seven whistles.—"Waitiri" (Dunedin).

Stations Identified

F.G. (Auckland): Station just below 400 is KGU, Honolulu. 9 p.m. our time equals 11 p.m. their time, the previous night.—N.J. (Masterton).

DX Topics

Reception Improving.

RECEPTION in this district is fast improving, although static is still very troublesome. On February 13 at 11 p.m. XETM, "The Voice of the Western Hemisphere," was heard at good strength on 585 k.c., the official frequency allotted by the Mexican Government. WIS was also heard one night on a late programme. KFVD, 250 watts, has been coming in very well lately. Recent verifications are from IRO, Rome, KFAB, WREN, KOMA, WDAY, Horby, Breslau, WRVA, and KTBS. I also received a letter from IBA, Bari, Italy, 1112 k.c. 20 k.w., but as it is written

in Italian I cannot tell whether it is a verification or not. They also sent a postcard view of their station. Did anyone hear the special broadcast for our club from WVNC? He was inaudible here.—N.J. (Masterton).

High-powered Europeans.

THE Australians are coming in fairly well and have not dropped off in strength this summer as they generally do. A new station at Bamberg, Vienna, 120 k.w., will be testing soon. I read recently that XBR, Mexico's, power is to be increased to 500 k.w. Leipzig on 389.6 m. now uses 150 k.w. An-

Wellington Branch Meeting

The Wellington branch will hold its next meeting on Thursday, February 23, in "The Dominion" Buildings, Mercer Street (Third Floor), at 8 p.m.

D. P. BOUVERIE,
Branch Secretary.

other station which has increased its power and which should now be heard in New Zealand is Frankfurt-on-Maine, 259.3 m., 17 k.w. Milan has recently reopened with 60 k.w. power. The Empire short-wave station will be unnecessary soon, if the broadcast stations increase their powers much more. Conditions on short-wave have been very good. On 20 metres the American phone stations come in with fine strength and quality. A very fine station heard on the 80-metre band is ZL2LI, Nelson, but since the floods not much has been heard from him. Zeesen, 2XAF, WIXAZ, W3XAL, W9XF, Radio Paris, GSD, and GSC provide very fine programmes. RV15 has not been heard for some time.—H.F.A. (Masterton).

American Reception.

OVERSEAS stations, especially Americans, have been coming in well since the beginning of the month. They can now be heard from 6.30 p.m. I have also heard some of the American Eastern stations, notably WLW, beginning their day's broadcast at 11.45 p.m. Reception from the Europeans is also strengthening a little, the best being Trieste, Heilsberg, Breslau, and Poste Parisien. On November 1 last I made out a fair report on a transmission from London National, enclosed an I.R.C., registered the letter, and posted it within five hours of reception. So far I have received no reply. Latest verifications include Stockholm, Vienna, Poste Parisien, WMT, JOHK, and KFVB, the last-named after waiting 10 months.—"Digger" (Hamilton).

Recent Verifications.

AMERICAN reception is improving every night, the best stations being KHJ, KNX, KFVB, KGO, KFOX, KGER, WCCO, WTAM, KSL. I notice KNX has increased his power. He now uses 25,000 watts. Latest verifications are 8HA, 2GN, JOHK, IQZ, 4RK, 3HA replied by return mail, also 2GN. "Radio," Wellington: IQZ's verification was a big pamphlet advertising their goods, with a dx letter crammed into one

BURGESS
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St. David's Day Programmes

The Welsh National Emblem

Perhaps the English, if not the Welsh, reader will pardon us for expressing our inclination to believe that the custom has no romantic origin whatever, but merely sprung up in allusion to the prominence of the leek in the cuisine of the Welsh people.

World Radio News

THE cubic capacity of London's Broadcasting House is 2,200,161 cubic feet, while the number of doors in the building total 800.

RADIO receivers arranged to operate similarly to the penny-in-the-slot gas meters are being introduced to the British market, the idea being to overcome difficulties encountered in instalment selling. The receivers operate for 24 hours on the insertion of a coin. When enough coins are collected the instalment is credited to the purchaser, and when the full value is received the device is removed.

AMERICAN stations are asking for the wave-band to be extended to 460 kilocycles, thus embracing six more channels. The new channels would be given to Canada and Mexico, and thus eradicate the necessity of redistribution in some of the States. Congestion due to increases in power can be relieved only by widening of the wave-band.



The New
Farrand
Speaker

has Undeniable
Advantages!

So great has been the demand for the New Standard Improved Farrand Inductor Loud-speaker that stocks have been completely sold out. Another big shipment has arrived, however, and deliveries will now be made with the quickest despatch. While any delay is regretted, the great demand which caused it is the strongest possible support of the contention of leading radio engineers that the Inductor Dynamic is destined to supplant other types more completely than the Cone-type Speaker replaced the Horn-type a few seasons ago. Full information is contained in pamphlet distributed to all dealers. Ask for a free copy.

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Christchurch, L. B. Scott, Ltd.

BOTH 2YA and 3YA are celebrating St. David's Day with special programmes. Next Tuesday 2YA will broadcast a musical and historical tour of Wales, with Mr. Rees-Jones, President of the Welsh Society of New Zealand, as narrator, while on Wednesday 3YA will present a special commemorative programme.

Various reasons are assigned by the Welsh for wearing the leek on St. David's Day. Some affirm it to be in memory of a great victory obtained over the Saxons. It is said that, during the conflict, the Welshmen, by order of St. David, put leeks into their

icles, fought a most brave battle here in France.

King: "They did, Fluellin!"

Fluellin: "Your Majesty says very true; if your Majesty is remembered of it, the Welshman did goot service in a garden where leeks did grow; wearing leeks in their Monmouth caps, which your Majesty knows to this hour is an honourable badge of the service; and I do believe your Majesty takes no scorn to wear leek upon St. David's Day."

The observance of St. David's Day was long countenanced by royalty. Even sparing Henry VII. could disburse two pounds among Welshmen on their saint's anniversary; and among the household expenses of the Princess Mary for 1544, is an entry of a gift of fifteen shillings to the Yeomen of the King's Guard for bringing a leek to Her Grace on St. David's Day.

Mission, alluding to the custom of wearing the leek, records that His Majesty William III. was complaisant enough to bear his Welsh subjects company, and two years later we find the following paragraph in "The Flying Post" (1690):—"Yesterday, being St. David's Day, the King, according to custom, wore a leek in honour of the Ancient Britons, the same being presented to him by the sergeant-porter, whose place it is, and for which he claims the clothes His Majesty wore that day; the courtiers in imitation of His Majesty wore leeks also."

We cannot say now as Hierome Porter said in 1632, "that it is sufficient theme for a jealous Welshman to ground a quarrel against him that doth not honour his cap" with the leek on St. David's Day; our modern head-dress is too ill-adapted for such verdant decorations to allow of their being worn, even if the national sentiment was as vigorous as ever; but gilt leeks are still carried in procession by the Welsh branches of Friendly Societies, and the national badge may be seen decorating the mantelpiece of Welsh houses on the anniversary of the patron saint of the Principality.

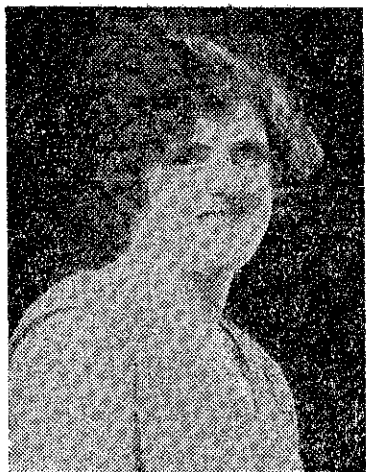
Whatever may be the conflicting opinions on the origin of wearing the leek in Wales, it is certain that this vegetable appears to have been a favourite dish with Welshmen as far back as we can trace their history. In Caxton's "Description of Wales," speaking of the Manners and Rites of the Welshmen, he says:—

They have gruell to potage.
And leekes kynde to companage.

As also:—

Atte mecte, and after eke.
Her solace is salt and leek.

Worldge mentions the love of the Welsh for this allfaceous food. "I have seen the greater part of a garden there stored with leeks, and part of the remainder with onions and garlic." Owen, in his "Cambrian Biography," 1803, observes that the symbol of the leek, attributed to St. David, probably originated from the custom of Cymortha, when the farmers, assisting each other in ploughing, brought their leeks to aid the common repast.



Doris Rabey.

soprano, who will sing several solos from 3YA on Tuesday, February 28. Stephano Webb, photo.

hats to distinguish themselves from their enemies. To quote the *Cambria* of Rolt, 1759:—

Tradition's tale
Recounting tells how famed Menevia's priest
Marched his Britons, and the Saxon host
Discomfited; how the green leek his bands
Distinguished, since by Britons annual worn,
Commemorates their tutelary saint.

In the *Diverting Post* 1705, we have the following lines:—

"Why, on St. David's Day, do Welshmen seek
To beautify their hat with verdant leek
Of nauseous smell? For honour 'tis
har say,
"Dulce et decorum est pro patria"
Right, Sir, to die or fight it is, I think?
But how is't Dulce, when you for it
stink?

Shakespeare makes the wearing of the leek to have originated at the battle of Cressy. In the play of "Henry V." Fluellin, addressing the monarch, says:—

"Your grandfather, of famous memory, an't please your majesty, and your great uncle, Edward the Black Prince of Wales, as I have read in the chron-

Two DX Tests.

IN a verification just received from 10AB, Moose Jaw, Saskatchewan, the secretary of the Moose Jaw Radio Association asks me to give publicity to the fact that they are putting on two special dx tests on the mornings of February 26 and March 12 from 5 to 7 a.m., Mountain Standard time. This station has a power of 25 watts, and is listed as 1200 k.c. frequency, but I picked them up on 1185 k.c. I have also received verifications from YVIBC, Caracas, Venezuela, and LR4, Buenos Aires. The manager of YVIBC wrote to say a special dx programme would be broadcast on February 12, and wished for publicity. I did not receive the letter till the 15th, so I have written to arrange a future date, when we shall have the information in time.—J.P.C. (P.N.).

The Necessity for Complete Reports.

JUST recently I had a test out of conditions on various wavelengths, which included the 80-metre amateur band.

There has been complaint that a number of stations have not sent cards. Evidently this is because of careless and incomplete reports. I find in my replies remarks such as "This is the best report I have ever received since coming on the air." "The best report received at this station for a long time." Now I completely avoided technicalities. Asking the stations to look on my report as that of an ordinary listener, I filled in the orthodox card, but, in a letter enclosed, I gave an exact description of the aerial and set, giving details of valves, voltages, etc., and mentioned that my standard was to give a local broadcast station R9 and judge others accordingly. By writing full details the stations were able practically to see for themselves the outfit used, and, with the way I arrived at the R standard, would get an idea of how they came through. To give an idea of how such a report was appreciated I received from one amateur a souvenir card which he specially reserves for overseas stations, and greetings were sent me by the president of another branch.

If listeners endeavour to make their reports as full and complete as possible I am quite sure that there will not be many complaints of "blacklistings." It must be remembered that the large majority of the amateurs are working men like ourselves, and the upkeep of the station, together with the cost of their station cards, needs something more than merely to tell them they were heard to justify a reply.—A. M. McDonagh (Sec., N.Z. Short-wave Club).

Improved Reception.

RECEPTION has greatly improved in this locality during the past fortnight. I logged four VK's, 7CH, 3RI, 2BQ, 3GZ, and also 6KG, Kalgoolie, on February 4.—G.F. (Hokitika).

WTFI on a Special Programme.

I RECENTLY heard WTFI on a special dx programme, and as they were offering a special inducement to those dxers sending in reports I sent a further one, despite the fact that their verification was about due. I hope this inducement is not in the form of the one received from WJAX by D.N.A. (Timaru). KOMA was heard at good strength on a special test recently. Latest logging is KOMO.—99W (P.N.).

Short-wave Notes

EAQ Changes Schedule.

WE have received advice from EAQ, Madrid, which works on 30.4 metres, that they are changing their daily transmission hours to 10.30 a.m. to 12 noon, N.Z.S.T. This change has been made to ensure better reception in South America.

Finest Radio Afloat.

EQUIPPED with seven transmitters and associated receivers, four of them on its lifeboats, and all mounted in shock-absorbing cradles, the new Italian liner Rex is reputed by its chief radio officer, Lieut. Vottorio Rollandino, to be the finest afloat.

Novel Location of Transmitter.

A UNIQUE feature of the radio equipment aboard the White Star motor-

liner Georgic is that the wireless room is entirely within the ship's dummy funnel.

New Schedule for W8XK.

SHORT-WAVE station W8XK, which transmits in conjunction with KD-KA, is owned and operated by the Western Electric Manufacturing Company, Pittsburgh. Their revised schedule is as follows: 19.72 metres, 1 a.m. to 9 a.m.; 25.27 metres, 9 a.m. to 3 p.m.; 48.86

metres, 9 a.m. till signing off. All times are New Zealand summer time.

Inauguration of President-elect Roosevelt.

FROM the air, observation trucks, stationary positions, and by the use of portable transmitters, a complete picture of the entire proceedings will be broadcast, including the actual ceremonies of inauguration. The mobile transmitters, which will operate on short waves to the "pick-up" point for the network, will be located in the N.B.C. transmitter truck, and in at least one plane or lighter-than-air craft, at the north portico of the White House at the capital and the Union Station. According to the present plans, nine observers will co-operate to present the N.B.C. story of the ceremonies to the world. (This interesting information was supplied by the Chicago Short-Wave Radio Club, who are responsible for other items of news in this issue.)

Radio Saigon.

RADIO SAIGON, which has been off the air for about twelve months, is reported to have made alterations to their station, and is expected to be on the air again in a few weeks on a wavelength of 49.5 metres. This station used to be well received here almost every evening from about 10 p.m., or soon after.

Short-wave Radio in Soviet Russia.

SOVIET Russia has embarked upon a new five-year plan of radio development that will probably enable them to catch up with the rest of the world. Plans for broadcasting stations with powers ranging from 100 to 1000 kilowatts, for something like 1000 new short-wave stations to furnish an overland long-distance radio-telephone service, and for schools and laboratories to turn out technicians by the thousand to furnish the man power of this system. These are some of the features of Russia's tremendous radio scheme described by Dr. Louis Cohen, eminent American radio scientist, who has just returned from that country.

New Russian Station.

INFORMATION comes to us, writes the Chicago Short-wave Club, that on January 5 from 4.30 p.m. to 5.15 p.m. (10.30 a.m. to 11.15 a.m., New Zealand time), a station was heard on 49.9 metres that is believed to be a Russian or one of the Slav stations of Central Europe, the language being very similar. "EAR-COO" was called many times, also counting. It is possible this may have been Moscow, as they were calling Irkutsk, on Lake Baikal, in Siberia, near the Manchurian border. Irkutsk is about the largest city in Central Siberia, and it is reasonable to assume it is the centre of communication.

Police Radio.

THE use of radio by the police in law enforcement continues to expand, the Federal Radio Commission points out in its annual report to Congress. Thirty more stations were added during the fiscal year ended June 30, 1932, making a total of 92 stations either licensed or under construction. These stations, in 50 cities reporting, transmitted 155,656 emergency calls, reported 12,676 arrests, and served a population of 32,585,000. The following additional information was taken from the report:—

It was found that the average time taken to transmit one call was one minute, two seconds. A total of 2255 automobiles are equipped with radio receivers. From one-half of the 50 cities reporting, a total of 386,953 dollars worth of pro-

perty was recovered. Arrests reported through the use of radio numbered 12,676.

Notes on Reception.

MORNING reception, on the whole, has been good during the week, from the usual European stations. Rabat came in well on Monday morning, being R8 at 8 a.m., with talk, and a little weaker later with music. WIXAZ has been heard most morning from about 8 a.m., but too weak to hear much.

EAQ is just audible again during their late morning session, and should soon be well received till noon, our time.

VK2ME were on each day during the fourth Test from 2 p.m. till stumps at 8 p.m. Reception was poor during the early part of each day's play, being weak with severe fades, but reaching the 100 per cent. mark by about 3.30 p.m.

GSD came in well most evenings, except for slight gushiness and QRM at times. GSC goes off very rapidly, being very poor soon after 9.30 p.m.

JAA, on about 88 metres, has been heard during the week in the evening.

Static was very bad on all short-wave bands on Tuesday evening, also on Wednesday after the severe thunderstorm.

Station VE9GW, Bowmanville, Canada, advise that they ceased operating on January 15, and will not be on the air again for an indefinite period.

Short-Wave Club Notes

From the Secretary's Pen

A USEFUL tip given by a member, who says: "I quite agree with you when you say not to mind people saying there is nothing on the air. It is a matter of knowing the schedules of the stations and just taking a run up and down the band to see if there are any strangers about."

Mr. W. A. Shane, writing to Mr. Thwaites, of Shannon, who sent a report on the special programme for the club, informs us that VE9GW will be off the air for an indefinite period.

Some time ago I read in an overseas paper that the Amateur Radio Society of Malaya was opening a station in Kuala Lumpur. Mr. Cliff, of Kilbirnie, reports hearing this station, which is at the top of the 49-metre band. A report from Chicago verifies this.

Amateur telephony stations are reaching a very high standard in New Zealand, some of them, notably 2BE and 2FC, being models of efficiency in station conduct. 2LI, of Nelson, who joined us in order to give out slaw morse for beginners, seems to be received in all parts of the Dominion.

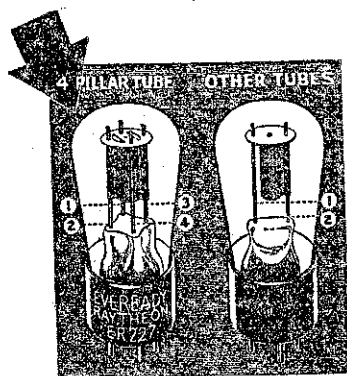
Times are hard, but I am still receiving donations in postage stamps toward the club addressing machine fund. The much-talked-of club room for Wellington seems likely to become an accomplished fact, and a special receiver for the purpose of club reporting on all wavelengths is "in the air."

I have to thank readers for information sent in, which is very acceptable. Address inquiries to A. B. McDonough, Secretary, N.Z. Short-wave Club, 4 Queen Street, Wellington, E.I., and get in before the sales tax, hi, hi. —Yours fraternally, MAC.

IN consultation with the B.B.C., Mr. Baird has decided that "looker" is the best television equivalent to "listener." A designation will shortly be required for the person who looks and listens at the same time.

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as sailing-master on the Jean Bart. Captain Walsh, of the Adele, learned later that Captain Cecille, after leaving the Chathams, discovered that part of the crew of the Jean Bart had survived, and taken refuge on Pitt Island, a small island of the group. He visited it, but found no one there, so he returned to the Chathams and destroyed another village, but as before could capture no Maoris.

The three Maoris taken over from the Rebecca Sims were taken away. The chief, in spite of the instructions to the contrary, was soon told that his wife had been killed, and the sailors had no compunction in assuring him of his own fate. How did he treat his captives—killed and ate them. Well, then, what else did he expect for himself? He committed suicide before they reached the American coast. One of his companions died off Brest just before reaching France, while the third came out with the French when their settlement was formed at Akaroa in 1840, but he died on another French ship, the Allier, off the coast of New Zealand, in 1842, without ever seeing his home again.

This account is much condensed from R. McNab's in "The Old Whaling Days," and McNab writes: "There appeared to have been a lingering desire on the part of the French for further reprisals against the Chatham Islanders, and it was thought that this third Maori might prove useful."

This story does not make it at all clear what actually happened on the Jean Bart; and there is another version, given by Captain Ray, of the Rebecca Sims.

On his visiting the islands as told, he was surprised that no Maoris came aboard for trade. This was quite unusual, so he went ashore to find out why. He was not long in learning that they had taken and burnt the Jean Bart. From what he was told, he concluded that the Maoris, intending to take the ship, had gone aboard soon after she dropped anchor, swarming over the ship in great numbers. It was thought that the Maoris had seized some of the whaling lances and other implements of the trade, and used them against the French; but many of the Maoris had wounds as if from these same implements, so if they had been employed as weapons they must have been used by both sides.

Further details are obtained from a French account of the incident, in which Captain Ray is reported to have told Captain Cecille that on the Jean Bart entering the bay the Maoris appeared and boarded her for trade in the usual way; but the French, finding them too numerous on board, ordered them ashore. Either misunderstanding them, or wishing to trade, they hesitated; and the French suspecting their intentions, attacked them with lances and spades, killing twenty-seven and wounding many, only two Frenchmen being killed. He said that as he had twice visited the islands, and had always experienced only good treatment, he could not help thinking that the French must have been to blame.

The same French authority tells in addition quite another story, and as it is against his own countrymen it is more credible than if it had been told by the American. Whether the story was told to Captain Cecille, who can say? The accounts hint—it more than hints—that it was so told by Eitouna.

"I dare not," says the narrator, "state what Eitouna, the chief of the tribe, taken to France as a prisoner,

The Tragedy of the "Jean Bart"

(Continued from Page 3.)

actually revealed as to the causes of the massacre."

"As is customary in Oceania, where prostitution is not shameful," he says, "some women of the neighbouring tribe came to pass the night on board." He modifies this: Women? No; young girls, and less than young girls, poor children, sold for a few wretched articles of trade, tobacco, or biscuit! It appeared that one night a drunken sailor murdered a little girl, under particularly revolting circumstances.



Lester Moller,

A popular young 4YA humorist, who will entertain on Friday, March 3.

The child's cry told her companions that something more than ordinary had taken place: all the women on board broke away and leaped into the sea to gain the shore.

Next day not a native came on board, and it was certain that an act of vengeance was in meditation. Orders were given to hoist sail, but the winds were still; they attempted to tow the ship, but the currents were unfavourable. The Maoris, warned by messengers, could be seen assembling from all quarters; and while those on board saw the preparations for attack they were unable to flee from it. It seemed as though providence itself was at last set against them. Again and again they set the sails to woo the winds, again they attempted to tow the ship, but all in vain.

Night came, and strict watch was kept; sailors armed with muskets were placed at bow and stern, with orders to fire on all who might approach during the night.

At about one in the morning the man in the bows heard what sounded like someone swimming, and he fired at the luminous spot where the phosphorescence of the water betrayed the presence of the swimmer. The swim-

ming ceased. Eitouna himself later told what had happened; the swimmer's breast was pierced: he was a chief who, feeling friendly to the pakeha, was furtively swimming to warn the captain that they were to be attacked at sunrise. "He would betray his own people," said Eitouna, "and his atua punished him for it." A tragic circumstance. More tragedy followed.

As the sun rose, canoes great and small flocked to the Jean Bart from all parts, three hundred warriors inspiring terror into the thirty who defended the vessel. They had assembled on the deck, besides rifles and muskets, the weapons of the whalers—harpoons, lances, spades, and axes. These they would use should the attack outlast their ammunition. The fight was prolonged; the French fought with the courage of despair; but what could thirty do against three hundred? When the last sailor had fallen, the ship was hauled ashore, looted, and burnt.

Some months later the Rebecca Sims appeared. When they began to trade, a chronometer was one of the objects of barter, for which powder was asked. They had the muskets of the Jean Bart, but all the powder had been used up in the fight. The American captain recognised other articles as having belonged to a French ship, and gradually learned the story.

This account puts a very different complexion on the whole affair. It gives good reason for the attack; it explains how it was that some of the Maoris had wounds caused by whaling implements.

Now, if this version had been given by Captain Cecille, it would have been seen by McNab. He does refer to a story—which is probably this one—which he had seen by a French writer, but he was waiting to verify; he may have verified it, he may not: I have not seen any reference by him beyond the mere mention in "Old Whaling Days."

But what of Captain Cecille? It certainly looks as though Eitouna told him the story: why did he suppress it? Did he think the telling would throw a stain on the fair lilies of France? Then what of his own action, especially if he knew the story? But what of his own action in any event? Did not that throw a stain on the lilies? And what of the action of the American captain, who had always been well treated by these same Maoris, and who suspected that the French must have been guilty of some act of aggression. What can be said of his action? It looks as though he wanted the reprisal to be a lesson to which he could point in future—"You dare to resent what I do, and that is what I will bring on you."

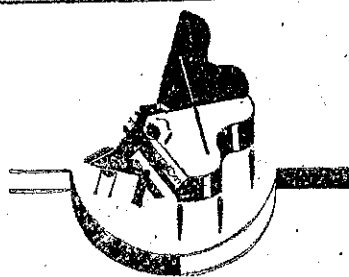
People have sometimes wondered why I speak up for the Maori people whenever I get the chance. They were called ferocious savages; I want to show that their ferocity against the whites was always called up by some cruel or dastardly act of the whites themselves. It was a savage time; but it was made worse by savage men.

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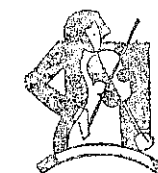
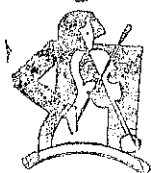
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RADIO Round the World

RADIO TOULOUSE, the famous French station, has made application to begin broadcasting with its new 60/70 k.w. transmitter. This station has 14 radio clubs, 184 agricultural syndicates, chambers of commerce and agriculture and other professional groups assisting it in the execution of its tasks. Radio Toulouse has not pursued its course free of all obstacle, and at various times it has had difficulties with the Government. There have been occasions when the Post and Telegraph Department have cut the lines to the transmitter in order to prevent broadcasts, and vigorous complaints were launched when the station first relayed a religious service. In 1926 its broadcasts of opera from the theatre were only possible by installing a portable transmitter in the auditorium of the theatre, as the Government had refused permission to allow the use of telephone lines. To-day it is one of the favourite French stations.

FAIRLY general satisfaction has been expressed in Great Britain at the withdrawal of the opera subsidy by the B.B.C. A new scheme has been entered into by the B.B.C. and the opera authorities whereby support of opera will continue by arranging for a number of transmissions that will be paid for. In return, the Postmaster-General has arranged the terms of the license fees in favour of the B.B.C. The subsidy, for which Lady Snowden was largely responsible, was an annual grant of £17,500 for five years. The opinion seems to be that cessation was justified, many listeners contending that the English, not being an opera-loving people, were being compulsorily educated to opera.

THE coveted gold medal awarded annually for radio diction by the American Academy of Arts and Letters has this year been issued to David Russ, of the Columbia Broadcasting System announcing staff. In his early career David Russ covered the varied duties of newsboy, agricultural student, orphan asylum supervisor, secretary, advertising writer, book reviewer, and poet.

IT is not generally known that M. Branly, the French "father of wireless" and inventor of the coherer, is a physician. Steps are now being taken to organise a celebration of his jubilee in the medical profession, and hopes are entertained that he will shortly receive the supreme decoration—the Grand Cross of the Legion of Honour.

THE British Post Office has been recently conducting a series of experiments across the Bristol Channel to ascertain the feasibility of a radio link in the telephone circuit from Wales to South-West England. The scene of operations has been at Lavernock, where Marconi conducted some

of his earliest trials. The experiments have been highly satisfactory, and the radio link is to be incorporated across other wide estuaries, thus effecting a great saving in poles, wire and upkeep. Radio links are already in use in telephone circuits in England, between centres as far apart as 300 miles.

THE only broadcasting station now in Greece is situated at Salonika. Its call is "Empros Etho Thersaloniki."

PRESIDENT HINDENBURG has awarded to Marconi the Goethe Medal for Science and Art, which was instituted to celebrate the Goethe anniversary last year. It is expected that the inventor will feel unusually gratified with this honour, because, although Goethe is chiefly known as a literary personality, he was a scientist of no mean order. One of his most remarkable theories was that the skull is a modification of a vertebra.

IN the opinion of Mr. F. L. Brayne, I.C.S., and acknowledged Indian authority, broadcasting has a wonderful future in India. The situation is summed up in Mr. Brayne's pregnant words thus: "Broadcasting can do more in a few years in the general spread of knowledge than all other methods of education put together can do in a lifetime, and as the value of so much knowledge depends on its rapid dissemination, and as the Indian villager has so much leeway to make up, broadcasting is the instrument which those who wish the welfare of village India cannot afford to neglect."

ON behalf of the Air Ministry, a radio station is being erected at Manchester which will be the first fully equipped radio station in a municipal airport for the use of civilian airport services. The power and range will suffice for the needs of aircraft crossing the Irish Sea, and will permit of communication over a wide area of England and Wales.

THE question of wireless terminology is a vexed one. Terms such as "listener" and "announcer" were rapidly adopted in English-speaking countries. Ingenious people are still devising alternatives. Many foreign countries adopted the English word "speaker" for announcer. The Spanish Academy of Letters has officially introduced "locutor," while French opinion is inclined toward "parleur." No language has borrowed so freely from its neighbours as the French. France has taken all her sporting terms piecemeal from England. In French sports papers you will still read that "le centre-forward a fait un bon kick vers le goal" and that a boxer scored "un knock-out parfait."