

PUBLISHED WEEKLY

THE RADIO RECORD

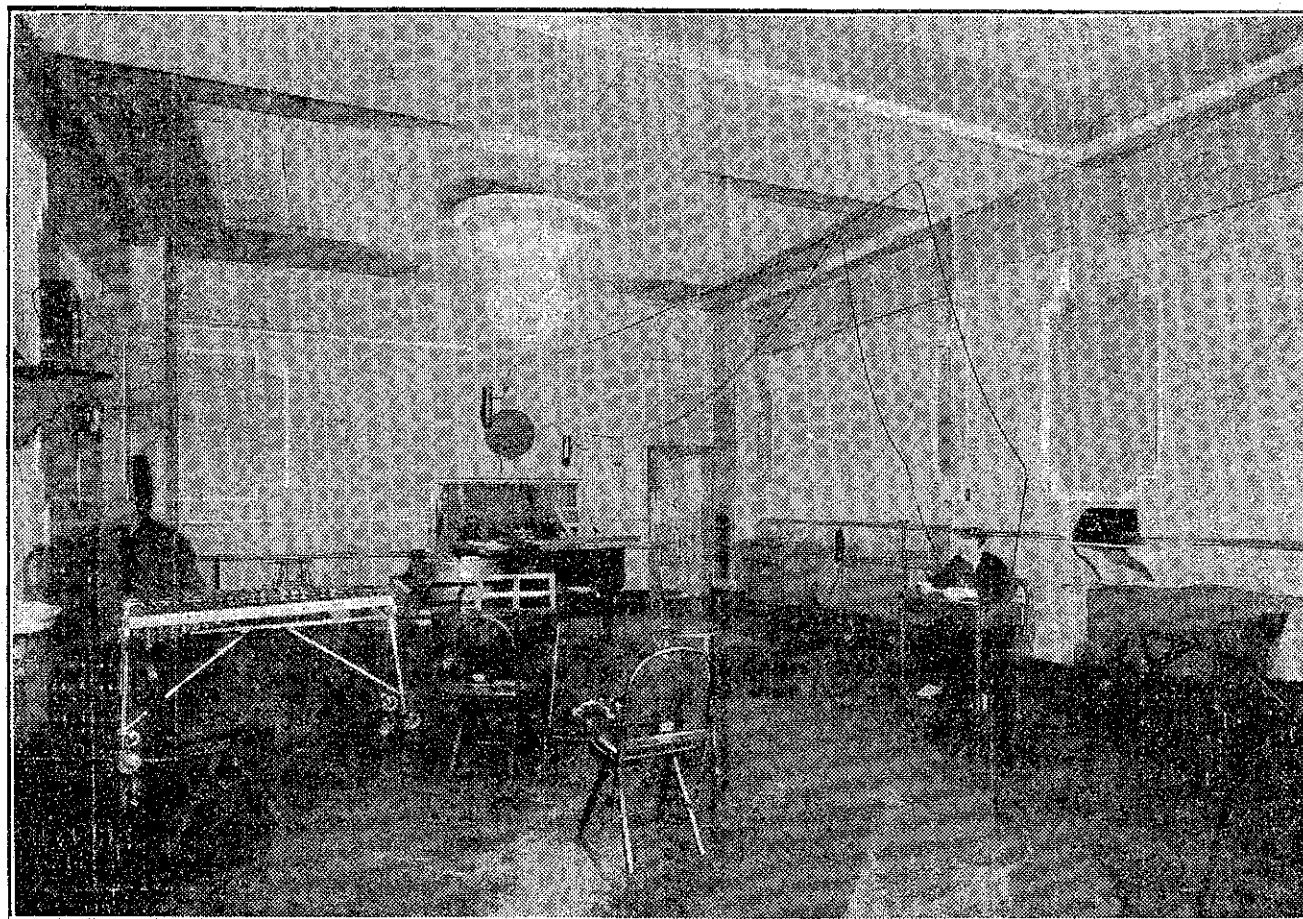


Vol. VI., No. 16.

WELLINGTON, FRIDAY, OCTOBER 28, 1932.

Price 3d.

A Modern American Studio



What an American broadcasting studio looks like. The No. 2 studio of WABC, the 50 kilowatt key station of the Columbia network. This studio has several interesting features—there is an entire absence of the heavy draping characteristic of earlier studios; the microphones are on pulleys so that they can be moved to any desired position; the studio has its own control room; the door is heavy and soundproof, and all light is artificial.

2nd ISSUE

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RADIO Round the World

AMATEUR transmitters in Great Britain are being urged to join the Royal Naval Wireless Auxiliary Reserve, the formation of which was announced a few months ago. The principal object is to provide a reserve of operators trained in naval procedure for service during war or a national emergency. As in other countries, areas and districts will have complete units allocated to them, consisting of a maximum of five transmitting stations, and training will commence with unit training, to be followed by inter-unit and sectional training. The reserve will be under the orders of the Admiralty, and the internal administration under a committee, the members of which will be appointed annually.

WITH the taking over of all broadcasting activities by the Government in Germany the elimination of electrical interference to wireless reception now devolved upon the postal department. Hitherto this function has been conducted by the amateurs' organisations. During the first half of this year the amateurs investigated 53,000 complaints and traced actual electric interference in 49,000 cases. Interference was eliminated at the source in 87 per cent. of the cases, while alterations in receivers proved effective in another 25 per cent. The average cost of tracking and elimination of trouble in each case was between five shillings and seven shillings and sixpence.

CONSIDERABLE surprise was created in American wireless circles when it was announced that Major-General C. K. Saltzman had resigned from the chairmanship of the Federal Radio Commission. When his appointment to the commission was being considered by the Senate General Saltzman held directly or indirectly large interests in communication fields. At the request of the Senate he disposed of all his stock—a fortunate move on the general's part, for shortly after his appointment the communication market crashed badly.

LAST year listeners in Switzerland raised an outcry against the amount of recorded music being transmitted from their local stations, and protests were made by radio societies and members of the public. So fervid were the protestations that the Swiss were being internationalised by recorded versions of foreign performed music, that the authorities were compelled to concentrate upon local performers. Since then listeners have realised the difficulty of a small country to supply its own broadcast fare, and gradually the record is growing in favour again.

RECENTLY at Almels, the Dutch police seized a private and secret station which had been interfering with Langenberg. After the seizure, Langenberg mysteriously continued to suffer in the same way. Finally, after much searching, the Dutch authorities discovered that the police themselves had been unable to resist the temptation to broadcast, and had continued to work the station after its "arrest." In Holland many an amateur heart beats beneath the police tunic.

PLANS for the formation of a wired wireless system in the U.S.A. are becoming more definite. The aims are for reception through special installation equipment of programmes of music, lectures and news without advertising. An eight hundred million dollar public utility holding company is being formed, which will connect up homesteads and instal apparatus at from two to five dollars a month. The American Telephone and Telegraph Company has already leased the long-distance telephone lines for the project. Seventy-eight large switchboards have been made for the use of sub-stations to transfer programmes from telephone lines to electric lighting wires.

A SOUND-FILM has been made of a complete day's programme of the Munich broadcasting station. The pictures were taken in the studios and the sound was picked up and carried by telephone cable to the studios of the film company, some distance from the town, there to be recorded on the film. All the actual performers, announcers, orchestra, etc., figure on the film, and even the studio audience appears. A suggestion has been made that the B.B.C. make a similar film of their activities. This could be sent through the provinces and around the Empire, thus permitting very many who have no hope of actually seeing performances at Broadcasting House to see a film and a recorded version.

AT Bombay, the police, who have been engaged for weeks on a search aided by radio detectors, discovered a hidden broadcasting station and arrested four persons, including the grandson of a late High Court judge, who is a wireless expert, also the son of Pandit Malaviya, a prominent Congress leader, and Chandiani, the Indian winner of the Viceroy's air race trophy. It is alleged that the station has been broadcasting propaganda at intervals when the State service was not operating. The transmitter was carried about in a car, the aerial being attached to a small balloon.

WHENEVER a girl is missing from home on the Pacific Coast of America, the police first ascertain from her parents her favourite radio programmes. Arrangements are then made for an appeal to be broadcast either just before or immediately after her favourite programme. By this system a great measure of success has attended broadcast efforts to have lost girls restored to their homes.

GUARDIANS *of our* COASTS

The Part the Navy Played in the War

TO-NIGHT I will try to give you a picture of the submarine menace and the wonderful service rendered by the Royal Navy, with its sister-branch, the Merchant Navy.

Many of you have visited our great ships of war, and tried to visualise what a sea battle would be like. Those great guns trained on the enemy as they dash through the seas, the watch-dogs of our homes—each man at his post, ready to die that you and I may live. Our merchant men steaming from the four corners of the world through danger of storm and enemy—cheerfully accepting the hardships of a sailor's life.

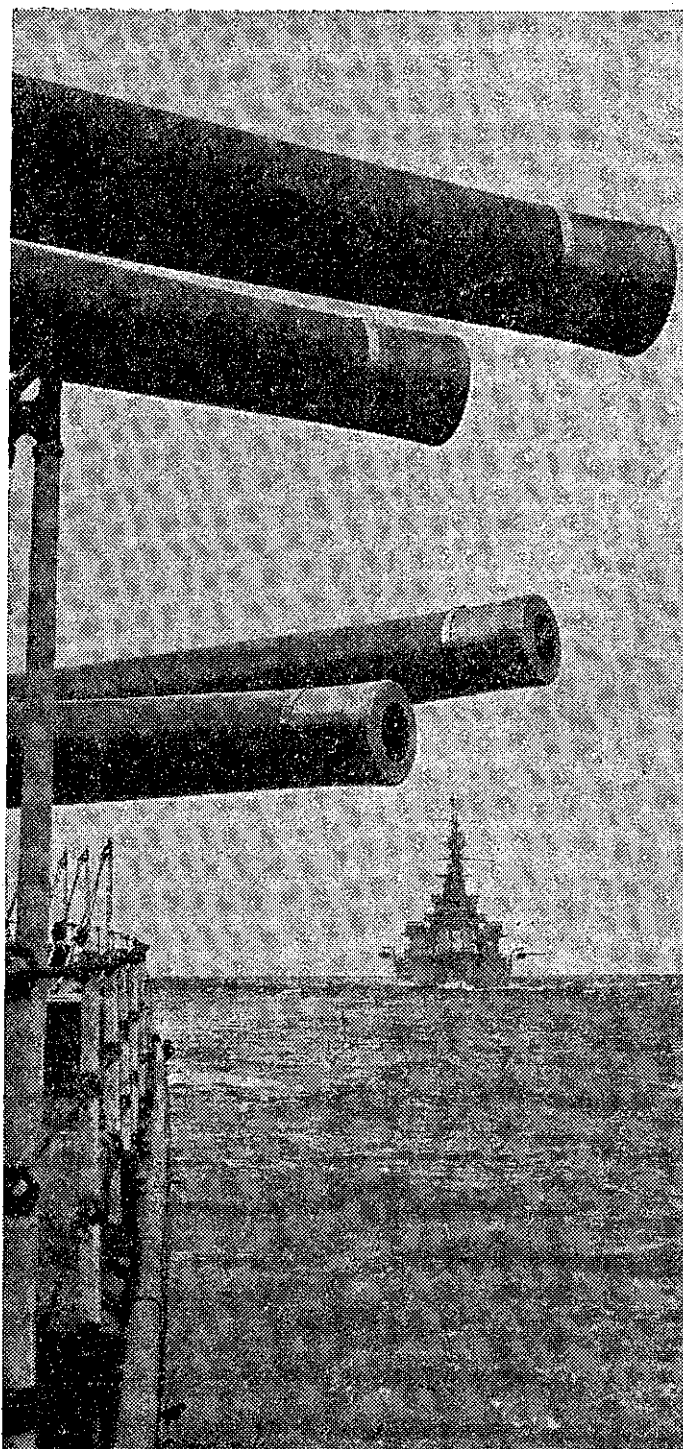
Strangely enough, it was the small craft that played a most important part in keeping England's sea-lanes clear of the enemy, and what a motley company! Rich men's yachts, old-fashioned paddle steamers, motor launches, fishing trawlers, sailing boats, even down to the Thames barge and humble fishing smack.

The famous Dover Patrol was made up of these strange crafts. Its duty was to keep the British Channel free from enemy submarines and mines—to meet and convoy our home-coming and outgoing merchant ships, and numerous other tasks. They were manned by naval and volunteer reservists—rich men, poor men, men who had never been to sea in their lives before, and the sturdy British fishing folk, of the stock that made Nelson and Drake famous.

COME for a trip with me to Chatham, Dover, Portsmouth and other Channel ports—you will see the motley crowd so tightly packed together that you would wonder how on earth they managed to get away to sea. What are those flags flying from many of them? They are talking to each other, and orders are passing to and fro, each boat picking out its instructions in some mysterious manner from the mass of flag-waving. Now a fussy little steam trawler is snaking her way through the pack, followed by others of the same type—our first trawler is the flagship of the small company—they are going out to take over their spell of duty, watching nets, hunting for submarines, laying mines, or sweeping for enemy mines.

How is this job done? Well, each trawler has a strong wire hawser be-

Major Lewis's Third Talk From 2YA, Tuesday, 18th.



tween them, each boat keeping an allotted distance from the other. The wire sweeps the sea at a depth that will foul the mine and cut through the mooring wire, so bringing the mine to the surface. It is then exploded by gunfire.

Mine-sweeping is a very risky job, and many are the men who have lost their lives at this task. The enemy mines were laid very cleverly, both our own and German mines having apparatus which moored them automatically at desired depth below the surface. The Germans had mines that kept to the bottom of the sea for some time after they had been laid—this allowed the submarine mine-layer to get clear away before it rose. Mines are anchored by a heavy mushroom disc and special steel wire. The trawlers become very clever at sweeping, but it is a tiring job, which must be done in all kinds of weather with only brief spells of rest.

WHAT is that destroyed doing away on the horizon? An enemy submarine has been reported—the destroyer is dashing round like a greyhound, but the submarine has sighted her and dives. Too bad! But what are those large columns of water shooting up in the air? The destroyer is dropping depth charges, and with luck they destroy the submarine or bring her to the surface. A depth charge is a considerable weight of high explosives which could be dropped from a vessel and which exploded automatically on arrival at a pre-arranged depth. They are terrible things, and if the submarine is within range it is all up with her.

You will understand more readily the difficulty of the patrols with Germany having destroyers and submarine bases at Ostend and Zeebrugge, just a few miles from our Channel ports, but with men like Captains Bowring, Evans of the Broke, Lewin, Hamilton Ben and many others of outstanding ability—and not forgetting the brave, high-spirited crews—the enemy had no easy task in penetrating our defences.

The submarine menace became so bad about October, 1914, and Germany's boast that she would sink our shipping on sight caused the British public to become panicky, with the result that the Admiralty came in for a good deal of criticism, which was unmerited. New departments had been formed to (Continued overleaf.)

combat the submarine menace evil, and one important one—the D.A.M.S. Department—took over the arming of merchant ships. Each boat was given a gun of the 4.7 Jap. or 4-inch B.L. type, generally mounted on the poop or stern, two ten-inch bomb-throwers, depth charges and smoke boxes for smoke screens. The gun in charge of a gun crew lent from the Naval Reserve.

The ships' officers in turn were then given a course in gunnery, and zig-zag convoy work—in this course they were taken in hand by a capable naval instructor and taught convoy control with the aid of miniature ships. Later they were taken out in a gunboat and given practical experience in firing at a moving target; from this they were shown the working of a submarine and made thoroughly familiar with the surface and under-water movements of these crafts, and so back to their jobs with a sound knowledge of how to work their ships, and many are the wonderful scraps they have put up when coming in contact with the enemy. No wonder H.R.H. the Prince of Wales said he was proud and honoured to be the Admiral of the Merchant Navy.

How does the Secret Service help the Navy? But first I must tell you that there are many departments, each specialising in its own activities. Here I will mention a few: The watching of coast lines in conjunction with the Coast Guards for submarines and unauthorised landings, interception of enemy wireless messages and decoding of same, the movements of enemy craft, the boarding of neutral ships passing through British war zones, de-

tecting contrabands and the arresting of enemy subjects, as well as a close watch of neutral subjects moving in England and foreign countries. It may interest you to know that much useful information was gleaned from the logs of German submarines that had been sunk. The method used was to take divers to the spot where the submarine went down, and recover the papers and logs—these were rushed to the proper department and decoded. Much helpful information as to the commanders' instructions and personal observations was disclosed.

The British Navy used special methods for the disposal of their code books and documents—these books were heavily weighted with lead, and when the ship or boat became a casualty, or in danger of falling into the hands of the enemy, were thrown overboard, and in some cases located afterwards.

Wireless also played an important part, and our men became very clever in plotting out the longitude and latitude of the sender, as well as decoding the messages. In fact, there was hardly a movement that the enemy made that we were not wide awake to.

In the early days of the submarine menace mystery ships, or "Q" boats, played an important part. Many of you have heard of their famous skipper, Captain Campbell, Grenfell, Wilson, Austin, and many others. Wilson is very well known in Australian waters. I believe he was captain of a boat trading on the Australian coast for many years. It would take me too long to tell you all about these mysterious boats and their operations.

Now to get back to myself. I had

received instructions to proceed to Alexandria, Egypt, and from there to Grecian Macedonia, so I packed up my kit and sailed in the troopship "Nestor." The boat was crowded with troops, and very uncomfortable, one could hardly move. It was a tedious voyage, and the only thing that kept us alive was the fact that we might sight an enemy submarine at any moment, and what with about four thousand troops on board and not enough lifeboats to go round a quarter, you can be sure we kept a very good look-out.

To relieve the monotony our O. C. Troopship (the Officer in Charge of Troops) suggested that I give a lecture to the men, and they were duly marshalled for the occasion. I stood facing them without the slightest idea of what I was going to talk about. At the best of times I have a holy dread of speeches—then I struck an idea, and as I had been to Egypt before, I told them all about the evils of the place, and its many shady quarters, emphasising the fact that it would pay them to keep away from them. The officers and men took it all in, open-mouth awe, for I told them in strong language what was to be expected if they mingled with the natives in this area.

Well, we reached our destination without sighting any "tin fishes," and the next night general leave was given for a night in town. I was button-holed by several officers who asked me to show them round the area in question as they would like to have first-hand knowledge of the evil I had spoken about. Imagine my dismay, for on arrival at

these quarters I also found the troops inspecting for themselves. I made a quick get-away.

Next morning there was a general parade as the troops were to be handed over to a new O.C. Imagine my horror when the adjutant came up and told me that the troops were grieved and surprised that I should be the first person to be seen in those evil places after warning them.

My time was very short in Alexandria, for two days later I embarked to Salonica on a dirty little packet of a steamer, which was swarming with cockroaches, and everything one ate and drank tasted of them. Even in the cabins they swarmed all over you while you were sleeping, and you can be sure I was mighty glad to reach our destination, Salonica.

A word or two here about Salonica would not come amiss, as one looks at it from the harbour. At first glance it rather has the appearance of Wellington, New Zealand; it is built at the base of a rather large hill, and from the distance it is extremely beautiful. The houses shining white in the sunlight, and the water-front sparkling with activity. This is all camouflage, however, as the town itself is extremely dirty when one gets behind the scenes.

Salonica has always been famous in Balkan history as the hot-bed of intrigue, revolutions and battles, fought by Turks, Greeks, Serbs and Bulgarians in their never-ending squabbles. Its population is a mixture of all of them; and its sanitary arrangements very bad.

ONE OF THE EARLIEST FORMS OF HUMAN COMMUNICATION IS COMING INTO BEING AGAIN IN THE BROADCASTING STUDIOS—THAT IS, THE SIGN LANGUAGE—IN BROADCASTING CIRCLES



THIS MEANS "PLAY MORE LOUDLY"



THIS MEANS "PROGRAMME RUNNING ACCORDING TO SCHEDULE"



AND THIS MEANS "PROGRAMME IS LAGGING"—AND SO ON

OF COURSE IT ISN'T ONLY AT THE MICROPHONE END OF THE RADIO THAT WE FIND THE SIGN LANGUAGE

WE FIND IT AT THE LOUD SPEAKER END TOO



THIS MEANS "TURN IT OFF—I'M BORED STIFF"



THIS MEANS "DUNNO WHY THEY LET HER BROADCAST"



THIS MEANS "IF YOU DON'T STOP TRYING TO GET JAPAN I'LL HOP RIGHT AT YOU"



AND THIS MEANS "WRESTLING COMING OVER GOOD-ON"



Where Are We Heading?

A thought-provoking article tracing the profound influence the growth of science has had on modern civilisations.

Delivered as a talk from 2YA by
Professor P. W. ROBERTSON

Zealand civilisation may be regarded in a sense as a tattered replica of the civilisation of our Victorian grandfathers.

To attempt to simplify life too much, to deny that life has its problems, is to deny life itself; to contrive that in the end we think only in terms of stereotyped formulae is a kind of mental and racial suicide. But much conspires against us, even for those who are inherently seekers. We recall with a sudden start what a limited range of opinion is generally permitted to us, is accessible even; how uniform for example is our Press.

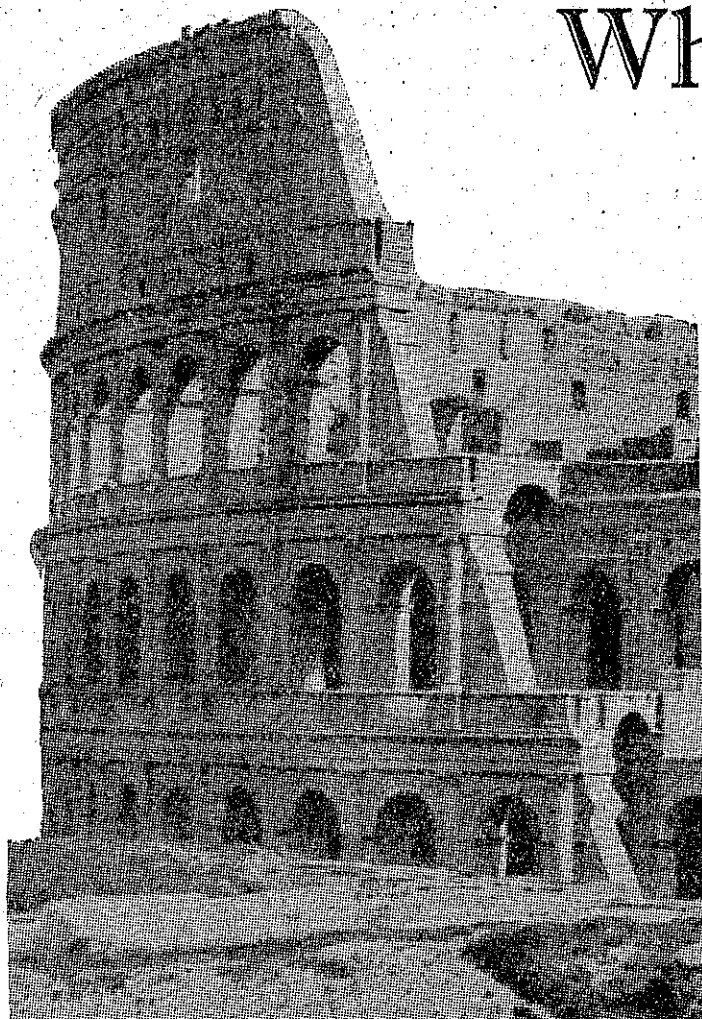
We have a need at all events to hear in some way or other opinions about things, to be allowed to think more for ourselves. We believe a scheme has been suggested to have the recorded transmission of some of the B.B.C. talks for the New Zealand stations. It is to be hoped that such a scheme may come into being.

The subject of my talk is science and civilisation, and I have already indicated, by making reference to the possible influence of wireless transmission on our lives, one such relationship between the discoveries of science and the progress of civilisation. It would not be difficult to make a catalogue of such relationships; I shall not do this, however. In a later talk I shall give you certain special illustrations, but before that I would discuss with you what is implied by civilisation and what is meant by science.

If we turn our thoughts to the past, we can make without much effort a vague mental picture of civilisations that appeared and disappeared; like living organisms they have grown and reached maturity, faded and died. We think, for example, of ancient Egypt; we have a rich evidence of its greatness in its monuments and works of art. We think of fifth century Greece, the Greece of Pericles and the great dramatists, who have been equalled only in the course of history by our English Shakespeare. We note incidentally in passing that a civilisation at its blossoming period projects a portion of its life in the form of works of art, and thus gains an existence independent of itself.

AFTER Greece, Rome. The Roman genius was practical and excelled in the arts of government and war; thus an empire was founded, which in its turn decayed and vanished. In the late Middle Ages, Spain expressed its civilisation likewise in the foundation of an empire, the relics of which we can still trace in portions of North and South America.

When we come now to examine our modern civilisations we find that they are ultimately bound up with the progress of science. Let us take our British civilisation, which showed a remarkable development at the beginning of what is called the machine-age, that is during the last half of the nineteenth century. In (*Continued on page 9*)



A monument to a decayed civilisation—ruins of the Colosseum, Rome.

IT is freely admitted that one of the most unexpected things about broadcasting in England is the popularity of the educational talks. This in no small measure is due to the fact that it has been found possible to make instruction entertaining. And this also, I take it, is the aim of the director of the Workers' Educational Association, who organises these talks from 2YA, namely, to combine information with entertainment. This is, of course, an ideal toward which one may merely strive; but it is an ideal which may be approached at all events in a negative way. Too much or too continuous information savours of pedantry, and is clearly not entertaining. Yet on the other hand, information which is suggestive, which sets one pondering, perhaps to open up some new vista of thought, that may well have entertainment value.

Civilisation, we might say, is very closely related to the power of organised and constructive thinking. Examining ourselves, let us ask: Can we in New Zealand note even the beginning of an individual civilisation? Our isolated position at the end of the world's trade routes, our general physical environment, might make us indeed susceptible to the creation of such a civilisation in the centuries to come. We ask further: Have we shown ourselves in any way conscious of this possibility? And the answer is that we have not. Our New



Editorial Notes

Wellington, Friday, October 28, 1932.

LISTENERS will be interested in the proceedings before the Royal Commission on Performing Rights now sitting at Sydney. For some time there has been dissatisfaction among those paying copyright fees on the question of the amounts charged, and also in connection with the conditions imposed. This dissatisfaction is not peculiar to Australia, for the question of copyright has been under discussion in many other countries, notably U.S.A. and Canada. The latter country recently amended its Copyright Act in a manner that has much to commend it. It is provided that owners of copyright must file with the Minister at the Copyright Office lists of the items in respect of which the owners claim authority to grant performing licenses or to collect fees. In addition, the fees it is proposed to charge for the performances of the items must also be filed. If the fees are deemed to be excessive there is provision in the Act to have them revised by a Crown Minister. The amended Act will place broadcasters in Canada in a much better position than obtains in most other countries where it is impossible to secure from the bodies claiming to hold the copyright lists of controlled items. This handicap has been a source of much worry to broadcasters generally, for it has been impossible to know whether infringements have been committed until after the broadcast.

IT must not be overlooked that some composers handle their own copyright, and the broadcaster is often ignorant of the fact until he has actually used their compositions. In Australia, the Australasian Performing Right Association represents a number of the copyright owners. It is really as a result of the association's activities that the Royal Commission was set up. The commission is to report and make recommendations with respect to the following matters:—

(a) Any questions that have arisen or may arise between persons interested in the performing right of copyright works and persons interested or concerned in the performance of such works, whether as performers, or as persons authorising the performance, or as persons on whose premises the work is performed, or otherwise.

(b) The rates, methods and conditions of payment to the owners of

the copyright in musical or other works by persons aforesaid for the right to perform such works in public.

VOLUMINOUS evidence is being tendered by the interested parties. Probably the most interesting to date was that given by the general manager of the Australian Broadcasting Commission, Mr. H. P. Williams. Mr. Williams stressed the fact that his commission, being trustee for the licensed listeners, was bound to see that those listeners were not exploited in the matter of payment of copyright fees, and he claimed that the fees being demanded by the Australasian Performing Right Association were inequitable. "It is known to us all," said Mr. Williams, "that a very serious view is taken by the legislature of every country with regard to joining interests, which, as a result of such combination, can force from any large section of the public a set of charges which are unjust and inequitable." Mr. Williams stated that there were a large number of persons who were copyright owners and were not represented by the A.P.R.A.—in fact the A.P.R.A. did not claim on 50,000 pieces broadcast in one year by the late Australian Broadcasting Company. He found that he had to deal with owners outside the A.P.R.A. While admitting that broadcasting has affected the sale of sheet music, Mr. Williams could not see that because of that fact the broadcasting service should be charged fees inequitable in themselves. He said that gramophones had also had a considerable effect on the sale of sheet music; that, he thought, would be generally admitted. He contended that it was inequitable for the A.P.R.A. to base any charge for a performing right on the ground that it must act as a compensation for the loss of sales on sheet music, in the case of compositions and publications which were marketed prior to the advent of broadcasting. He based his contention on the ground that mechanical presentation is but a stage in the march of progress, and therefore permits of no retrospective legislation. He cited several instances where a sudden change in the life of a community had entirely altered the source of revenue for different undertakings, but it had never been suggested that the innovation that had taken the place of the original

avenue of profit should bear a tax to compensate the deposed industry.

IT is clear from reports received of the proceedings that the Royal Commission will be sitting for a considerable time. Many different interests are represented at the hearing, and it would appear that one result of the inquiry is likely to be the formation of an association composed of the various users of copyright, to combat the demands of the A.P.R.A. This is, after all, only a natural sequence, for unity is strength in most things, more particularly where the varied interests have a common ground for opposing payments which are deemed unreasonable. Public interest is an important factor in matters such as copyright claims, and the majority of the public would be more likely

to support users of copyright than the owners, if only for the reason that the public in the long run probably pay the fees demanded.

ONE witness before the commission emphasised the fact that there were really only two interests concerned in the inquiry, namely, the public and the copyright owner. The various organisations representing the user of copyright were simply representing their publics, and fighting their battles, with a view to having the fees demanded reduced to a reasonable level. If any legislation is enacted following the inquiry, it will, we imagine, be on the lines taken by Canada, for it seems from the public point of view only reasonable that users should know the copyright items and the fees applicable to those items.

In Phase and Out

By "Quadrant"

I COULDN'T get away from "good times again" talk last Wednesday. Both 2YA and 2ZW were simultaneously going strong during the talks session on the return to prosperity.

THE two outstanding broadcasts of the season—Szigeti at one end and the carillon at the other. Listeners can place them to suit.

I BELIEVE that owing to the extreme preference of a B station for a certain comedienne's records, it is becoming known as "Fields Station No. 1."

CHANGES are being made in the studio at 2YA to make the orchestra sound like a real one. It is hoped that consideration will be given to the piano. I get so tired of listening to a kind of pianoforte solo, with a kind of orchestral accompaniment, that I often have to go over to the B to keep my musical discernment of orchestral performances at proper value.

"SO and So kids himself he is a radio mechanic," a friend told me during the week, "but he overdid it. His father bought a £85 machine and let him loose on it, so he got a spanner and screwed things up inside. In rolled the stations—the Americans, Japs and Chinese were good. The boy became enthusiastic.

"A little more, dad, and we will hear England."

"Good old England, son; go to it," replied dad.

"And son got to work with the spanner again and screwed her up still farther, but instead of England coming in the set went off with a bang—£85 pounds blown to pieces."

That's a true story, and I am going to write to "Questions and Answers" to find out exactly what happened.

SAYS a Dunedin paper: "There arrived at 4YA this week a new announcer in the person of Mr. A. Ninnis, who has held the position of senior announcer at head office for some time." I've been wondering what the job of senior announcer at head office would be. It wouldn't be announcing new policies, because the board hardly require a man for that alone. No; the facts are wrong. Mr. H. Ninnis was not at head office. Was it this paper which made the faux pas with regard to Mr. Clive Drummond?

I AM going to get a set with automatic volume control so I can listen to 2YA in comfort. One day last week it was like a cork in a rough sea.

DEAR Quad,—A recent "Record" announcing grand opera singers from 1YA, refers to the "many satellites" which have appeared before the microphone: "First Don Bradman, then Szigeti"—Satellites with only one leg, too.

Szigeti a satellite!
Of whom, of what?
Tut, tut, Mr. Quadrant—Yours, "Stars."
Szigeti was also ambidextrous! What has he done to deserve it all?

THE last word in rusticity was the gnarled old man so busy in the potato field. At least, so thought the young journalist in search of "copy." "Good morning, gaffer," said the man of ink, leaning over the gate, "a lovely day."

"Aye," answered the aged one, resting on his hoe, "but there's thunder comin' along."

"How do you know that?" the scribe asked, "nosing" good copy; "red sky at morning—shepherd's warning, eh?"

"Dunno nothin' about that," was the reply, "but it were on the wireless last night and in all the papers this mornin'."

A Cornish Overture

Dame Ethel Smyth's
"The Wreckers"

ENGLAND'S greatest woman composer, Dame Ethel Smyth, like so many eminent musicians, studied at Leipzig, where most of her earlier works were performed. In fact, her music was well known on the Continent before her own countrymen began to give it the recognition which is so truly its due.

Among others, Sir George Henschel and Sir Thomas Beecham have been most ardent champions of Dame Ethel's work for years. The former, when he was conducting at the Crystal Palace, was among the first to bring forward her music, but it was three years after hearing her Cornish opera, "The Wreckers," before Sir Thomas Beecham, notwithstanding all his enthusiasm, could obtain a hearing for it in London.

On that memorable occasion the opera commanded the interest of all serious music-lovers by its sincerity and strength.

The overture of "The Wreckers" will be included in 2YA's programme for Sunday evening next, when listeners will accompany Mr. L. E. Strachan on a musical tour through the southern counties of England. Dame Ethel's own analysis of this overture to an opera dealing with Wreckers and Revivalists will, therefore, be of interest. Summarised, it is as follows:—This prelude to a Cornish story happening in the middle of the 18th Century, when the coast population was almost beyond the reach of civilisation, exhibits the three predominant moods of the Celts at that epoch: Romance, religious fervour, and cruelty.

It opens with the "Wreckers" theme, its fierce, abrupt energy leading into a characteristic horn call, used among them as a signal. The music gradually quietens down and the cor anglais (horn) ushers in the beautiful Cornish melody associated with the personality of Mark, the young fisherman-hero, which occurs in the opera when the mood is tender, yearning, or lofty. A pianissimo, hurrying, rhythmic figure leads gradually to the second of the moods referred to in the "Revival Hymn": a broad, exultant melody, such as might conceivably spring into life at a particular moment of extreme religious fervour, as at a Wesleyan Revival.

At its conclusion the "Wreckers" theme reappears, and gradually merges into the rhythm of the fierce, heavy dance associated in the minds of the dancers with shipwrecks and stabbing of victims. At the end of the overture the "Wreckers" theme is used with the Revival Hymn (showing the compatibility in these minds of wrecking and religion), and with that note triumphant the overture ends.

The rendering to be played at 2YA is by the British Symphony Orchestra, under the baton of the composer herself, who describes the present-day quickening of intelligence and growth of curiosity in the realm of music as entirely owing to radio and the gramophone, and an unmitigated blessing.

"The Wreckers" overture will also be featured in 3YA's programme on Thursday, November 3, this recording also being by the British Symphony Orchestra.

Home Science Talks Extended

New Series from 2YA

THE weekly home science talks prepared by the Home Science Extension Department of the Otago University have proved so popular with listeners that the Broadcasting Board has made arrangements for this service to be extended from 2YA.

The new series of talks, which will be in addition to those prepared by the Otago University, will be prepared by Miss Violet Macmillan.

Miss Macmillan, who is a graduate of Otago University, and who had two years' experience in their Home Science Extension Movement, has been awarded a Sarah Anne Rhodes Fellowship by the Victoria University College.

The object of the fellowship is to carry on in the Wellington University District a similar work to that which is at present being successfully undertaken in Otago and Southland by the Otago University Home Science School.

As a preliminary to her undertaking this work, Miss Macmillan has spent a year on a Travelling Fellowship, visit-

ing various countries where such movements are in successful operation, among them, United States of America, Canada, England, Denmark, Sweden, Norway, and finally New South Wales and Victoria. She has, therefore, had every opportunity of examining the best and most up-to-date methods of helping the women of rural districts in their various problems.

Miss Macmillan arrived back from England on October 5, and is at present visiting Dunedin, where she is getting into touch with the Women's Institute and the Women's Division of the Farmers' Union. Miss Macmillan will probably make Palmerston North her headquarters and her office will be at Massey College.

On her return to Wellington, before proceeding to Palmerston, she will broadcast from 2YA two or three addresses with regard to her travels.

Further particulars relating to this new series of talks will be published in an early issue of the "Radio Record."

Franck's Violin Sonata

Performance from 3YA

"Franck's music rolls into the soul in long waves, as on the slack of a moonlight tide. It is tenderness itself; Divine tenderness borrowing the humble smile of humanity."

—Camille Maclair.

THE universal affectionate veneration for the sublime music of Cesar Franck owes much to his chamber music, notably his famous "Violin Sonata," which is being played by Thelma Cusack (violin) and Maisie Otley (piano), at 3YA on Wednesday, November 2.

It is a piece of music that is variously estimated as one of the foremost masterpieces of last century, and one of the ten greatest works for the violin.

The Belgian composer, whose art reminds us of Bach, wrote the Sonata in 1886 when he was sixty-four years old. It was dedicated to his fellow-countryman, Eugene Ysaie, who laboured indefatigably to bring the work to the widest recognition.

The Sonata is probably unique in one respect: Its composer was apparently indifferent whether it should be played by violin or violoncello and pianoforte, marking it simply for one or other without a note of any preference, except the notable dedication, which for most violinists would settle the point finally. It is, of course, more often played on the violin, though parts of it are equally effective on the violoncello.

To the cultivated musician the Sonata has abounding charm, and even to the uncultivated its melodies and harmonies give thrills of delight. It is distinguished by deep thoughtfulness and a consummate knowledge.

The fact that Franck occupied the post of organist at the Church of St. Clothilde, Paris, for no less than 32 years, accounts for much. Living a life of hard work, devoting all his spare time to composition when his duties allowed him, the story of the reception of Franck's music as it came out is almost one long list of disappointment to him, for no composer has been more misunderstood through the lack of knowledge and by sympathy on the part of his hearers.

In the last year of his life the sunshine of recognition came to the sixty-eight-year-old composer, who was, however, never embittered by the tardiness of Paris to recognise the genius in its midst. He was so poor when his friend Ysaie was married that in lieu of a wedding present he dedicated this Sonata to the violinist, and sent him his best wishes.

S. Detilleux, a French artist, painted a picture of two musicians, a pianist and a violinist, which he named "The Cesar Franck Sonata," and the work was one of the artistic sensations of the French capital.

Sporting Reminders

NOVEMBER 1 (5.15 approx.): All YA stations. Relayed description from 2ME, Sydney, of Melbourne Cup.
November 3-12: 7.25 p.m., 2YA: Daily summary of day's play in New Zealand Golf Championship Tournament.

November 5 (2.35 p.m.): Relay from all YA stations of New Zealand Cup.

November 8 (1.45 p.m.): Relay from all YA stations of New Zealand Tug-Boat Race.



Presented under the auspices of

The Dunedin Burns Club

Will be relayed from His Majesty's Theatre, Dunedin,
by 4YA, on

SATURDAY, NOVEMBER 5.

Old-Time Dances

Grand Opera Chorus

Another 2YA Programme

From Three Stations

THE Old-time Dance Programme broadcast from 2YA on September 24 proved such a success that arrangements have been made for a similar programme to be broadcast from 2YA on Saturday, November 5.

The 2YA Concert Orchestra will again provide the dance music, and incidental entertainment will be provided by Will Bishop.

On the occasion of the previous old-time dance evening many listeners arranged dances in their homes, and no doubt many similar functions will be arranged for November 5.

The programme is scheduled to commence at 9 p.m. and will continue till 11 p.m.

THE Broadcasting Board has now finalised arrangements for both the concerts from 2YA by the chorus of the Imperial Grand Opera to be relayed from 3YA and 4YA.

The first of these two memorable concerts will be given on Sunday evening, November 6, when the male chorus of the opera will broadcast, and on the following Sunday, November 13, the mixed chorus will be heard in a particularly fine programme.

It is hoped that arrangements can be made for the chorus to give further broadcast concerts from 3YA and 4YA during their tour of the South Island.

SUNDAY'S opera chorus programme from 1YA should have been a notable event. It wasn't. The lack of a ha'porth o' tar spoiled it, if you know what I mean. 1YA had no orchestra, and grand opera with a lone, lorn piano for background was incongruous and sounded cheap. Even the chorus, capable as it was, seemed a trifle depressed by the absence of an orchestra, which is not the least important part of opera. The programme was a notable example of what might have been—but wasn't: if Gounod and Verdi did not turn in their graves it wasn't 1YA's fault. A real opera chorus, a stirring "Faust" number and the faint "Tum-tum-tum. Tum-tat-tum-tum-tum" of a piano! More than half the battle in radio presentation is getting the "atmosphere" across. In this case it was like that of the moon—there wasn't any. On Monday, as there was no wrestling, two opera singers took part in the programme. They were fully equal to several local singers.

ANOTHER kick I want to get off my chest, if that anatomical feat be possible. Monday night is regarded by a wide circle of wrestling fans as their night, but last week wrestling took place on Tuesday. Monday was therefore devoted to records. So far so good. Tuesday was again a record night—but they could not possibly be disturbed in time to go to the Town Hall for the preliminary amateur bouts, which most folks enjoy. More than that, after 9 p.m. a lady spoke on "Music and Beauty in Many Lands" until about 9.20. The lecture was not of general interest, and the most sensational part of the big bout was lost. This was fair neither to the lecturer nor the listeners.

MR. W. J. HOLDSWORTH usually manages to get a funny story or so over in his public utterances, but when he spoke from 1YA last week on "The History and General Principles of Town and Regional Planning," he was in deadly earnest. His talk was none the worse for that, and he surely convinced listeners of the importance of his subject. It was impossible, he told us, to tabulate the cost to the community of the evils of haphazard town growth. On the other hand, proper town-planning meant better health and longer life for all citizens and was a definite community economy. Washington and Edinburgh, laid out 150 years ago, served the needs of their people to-day far better than adjacent modern unplanned areas. It would cost, on the other hand, £20,000,000 to re-model Sydney on modern lines. The speaker announced that Mr. Tyler, Auckland city engineer, Professor Knight, Mr. Lippincott, and others, would speak for the Town-Planning League, and added that if New Zealanders would follow these lectures, they would realise that town-planning had something to offer of benefit to every man, woman, and child in the community. If the other speakers are as enthusiastic as Mr. Holdsworth it will be surprising if there is not soon a wider general interest in the subject.

THURSDAY night's burlesque from 1YA was the most refreshingly original evening we've had for some time. There was a coherence about the nonsense that has often been lacking in other attempts at the less formal types of entertainment. **M. G. A.**

Auckland Notes

By "Neutron"

Thomas, author and producer of this happy travesty of a broadcasting day, deserves a hearty pat on the back, and from Len Barnes, the harassed announcer, to Cinderella, who did the wrestling relay, and the chorus and background, now dancers, now a race or wrestling crowd at a free-for-all, everyone entered into the spirit of the night out. Mr. Thomas is clearly a man of parts, as he was author, producer, "Home Industries" speaker, and, perhaps less happily, lecturer on "British Sports." He made just one slip in his breezy production—Cinderella, on wrestling relay bent, went, by mistake, to a City Council meeting, and found it both athletic and exciting. Certainly the City Council is at the Town Hall on wrestling nights—but at the ringside. Listeners could do with many more such variations of the formalised programmes. A little nonsense now and then is relished, I dare say, by Dean Inge, Professor Einstein, the Hon. Adam Hamilton, and Mr. Culford Bell. By the way, one of the gems of the evening was Mr. Bell's ode to his microphone.

WE all know a great deal more about Adolf Hitler since Mr. Kingston-Smith spoke about him in the W.E.A. session last Wednesday from 1YA. He

is a brass band ballyhoo artist (Hitler, of course), a publicity wizard of whom many Germans say: "Everyone else has had a shot at governing us this last ten years and made a holy mess of it. Let Hitler have a try." However, the speaker explained, Hitler was something more than a big noise. His party has a rather weird programme, a glorious hotch-potch, borrowed partly from Fascist Italy, partly from Soviet Russia, and partly their own imagination. They propose a complete reorganisation of the whole nation into a new State akin to the Germany of 70 years ago. The lecturer did not give Mr. Hitler much of a future, holding that he has roped in all the support he can get and that a party got together by the stress of emotion will melt like snow before sun unless Hitler continually does something.

THE League of Penwomen evening from 1YA on Wednesday was very pleasant. Mrs. Harold King's Maori songs, her own composition, were good (though they did not suggest Maori melody as do those of Alfred Hill and Mrs. Kaihau). So, too, were Mary Brett's songs, while the original sketch, "Wanted, a Companion," was light, bright, and well presented.

A LOCAL announcer (who doesn't speak from our least important station) finds it hard at times to distinguish when to use an adverb and when an adjective. When he first said, "We will pass to Blank at 9.30 p.m. approximate!" I thought he'd made a slip, as even the wisest of archangels or announcers may do at times. When, for another event, he declined again to say approximately, I held it might be coincidence, but at the third time of asking, obviously it was habit. And not a good habit by a long shot, either.

TRAFALGAR DAY was celebrated by 1YA, among other things, by the descriptive piece "The Death of Nelson." Nelson is one of the greatest figures of our history, but this maudlin thing, my pet aversion, is the reverse of honouring his memory. If I were to write my actual thoughts on this particular item, no paper would dare publish it. I'll merely add that "The Death of Nelson" by itself is a fine song and that most authorities agree that Nelson did not say, when dying: "Kiss me, Hardy," but "Kismet, Hardy," something far more in accord with his character.

2YA Increase in Power

Not For Some Time

IN the course of an interview recently Mr. E. C. Hands, general manager of the N.Z. Broadcasting Board, stated that the Board had no intention of so increasing the power of 2YA at the present site. When the time came to increase the power—as recommended by the Coverage Commission—the Board would obtain a site for the station some distance from Wellington. Asked when the change was likely to occur, Mr. Hands ventured the opinion that it was hardly likely to be undertaken within the next two years.

W.E.A. Talks

New Series from 1YA

TWO new series of talks are announced for 1YA. They are as follows:—

"Watchers of the Skies"

Mr. G. B. Bell, B.E., B.S.C.

Wednesday, November 2.—"The Astronomical Knowledge of the Ancients."

Wednesday, November 9.—"Recent Discoveries Within the Solar System."

Wednesday, November 16.—"The Boundaries of Space."

Wednesday, November 23.—"The Royal Observatory and the Nautical Almanac."

"The New Constitution of the British Empire"

Mr. L. K. Munro, L.L.M.

Thursday, November 3.—"The Imperial Conferences of 1926 and 1930."

Thursday, November 10.—"The Powers of Dominion Parliaments."

Thursday, November 17.—"The Constitutional Position of a Governor-General."

Thursday, November 24.—"The Case of the Irish Free State."

This will be the last series of W.E.A. talks from 1YA until next March.

"THE DUMB WIFE"

A Radio Comedy

by

Will Bishop

Will be broadcast from 2YA on

TUESDAY,
NOVEMBER 1.



PROLOGUE

Good masters and mistresses!

Now shall you hear our most excellent company of Talented Players act for your good pleasure—and for our profit—the comedy of him who had espoused and married a Dumb Wife—the which is a most diverting and ancient comedy, having been acted on countless occasions and written down a score of times at least!

Our tale we drew from Master Francis Rabelais—his "Pantagruel"—wherein you may read it if you will—but we—being Players—would have you hear it instead!

THE PLAYERS:

Mavis Windsor, Celia Bishop, C. Wynyard Cobby,
Errol Muir, Cedric Muir, Owen Pritchard

And

Will Bishop.

STATIC

by
"SPARK"

A CHARMING series of talks that has been interrupted for some time was resumed by Mrs. Gordon Robertson from 1YA on Tuesday in her discourse on "Music and Beauty in Many Lands." The speaker requested that the listener reflect once more upon the matter of the quest of beauty, and instanced the happiness of the people of Italy and Japan where beauty is placed upon an altar to be worshipped. In these countries they snap their fingers at poverty and enjoy a life of happiness unknown to the people of countries where the material is given first thought.

A Case of Mis-interpretation.

THIS week's 5/- prize has been awarded "Blank" for the following story: "Rufus" told this one from 5CL. The manager said to the electrician, "I hear you and the leading lady had a fall out and are not on speaking terms. What's the trouble?" "Well, you know that scene in the third act where there is a black out and a quick change—I thought she asked for lights, but what she wanted was tights." This finished the talk and the announcer was laughing as he said "Good-night."

IN this talk Mrs. Robertson's theme was more particularly of the beauty of sound in music, and her listeners were transported to the sunny land of beauty in music, Italy. Italy in the 17th and 18th centuries was the home of the arts. Here was the market for singers, instrumentalists, composers and operas, with an insatiable appetite for more music and yet more. Illustrious travellers all told the same story, of a country obsessed by a passion for music, which was heard everywhere in the streets and throughout the country.

IN Naples there were famous conservatories for the musical training of poor children and one of the graduates from one of these colleges was the great Pergolesi. Such was the enthusiasm of Italy that it seemed to northern ears, insincere, but this was quite wrong, for however slight the nuances, none escaped the Italian discernment. In the 18th century Rome exercised a dictatorship over the whole of the Italian music, and it was here that the final verdict was pronounced upon new operas and composers. During this period, Germany was patiently labouring and amassing stores of poetic and musical genius, with which to hold all the future, but Italy had her era that could not be forgotten. Mrs. Robertson requested listeners to watch the procession of genius that glided past through the ages, and spoke of Cristofori, who gave the world the piano, of Stradella, who was stabbed to death in the midst of his triumphs, Pergolesi, doomed to die at the age of 26, Sante of Palestrina, who gloriously rescued the church music from the hopeless condition of the 16th century. The Scarlattis, father and son, Verdi and Rossini, makers of opera and melody. Italy has neglected instrumental and orchestral music, but a new genius has arisen and Respighi, Casella, and Perosi are endeavouring to enlarge the national outlook. Italy has cause to be proud of her past, and the glory of the future seems to be in her keeping.

IN reviewing the merits and demerits of primary school curricula, Mr. A. E. Campbell (2YA) made out a strong case for the principle of the kindergarten as against the policy adopted by the traditional school. In the past, educational authorities have neglected the consideration that the child impulses require bodily action and the infant mind has been dissociated from the body in the attempt to pour into it the accumulations of information. The vast majority of men and women lead a life of action, in which abstract thought is of secondary consideration, and it should be the aim of school authorities to teach the scholars to live.

PRIMARY education is really not concerned with how the adult is to make a living, or whether a pupil shows aptitude for science or physical exertion. The main object should be to inspire an interest in learning, and this should be done by encouraging healthy activities in which the body and mind develop together. Cultural yearnings should be given a chance to develop naturally, in an atmosphere in which the child is taught how to enjoy life, and the forcing methods adopted in primary schools of the past have not enjoyed the success that was anticipated. One of the faults of the present system of early education is the preparation which culminates in the examination. Individual contact between examiner and pupil is not made in many essential subjects, and in consequence some avenues of knowledge are imperfectly viewed by the infant mind.

PRIMARY school curricula have occupied the attention of the great educationists in Europe and America, and there is a unity of opinion that the system we have at present needs radical reconstruction, upon a foundation which adopts the principle that the main object should be to teach the pupil how to live.

WHEN speaking from 3YA on the campaign for the election of America's new president, Mr. L. C. Webb mentioned that very little space was given in speeches or thought, to the economic situation or to the topics which immediately concern the people. The American Constitution does not permit the citizen to express directly a preference for the President, and this results in what has been termed a conspiracy of stifling of current topics, by the political machine which elects the head of the State. In general the American people are apathetic in politics, and the percentage of voters who record their vote upon any issue in which they are entitled to exercise their obligation is comparatively low.

POLITICS in England or New Zealand excite a great deal more interest among the people generally than in the U.S.A. In prosperous times enormous sums are spent by the political parties running a candidate. In the last election, four years ago, over 25 million dollars were spent by the two political parties. The present campaign was a much quieter affair owing to the general business depression and the sad depletion of political funds. The issues involved in the forthcoming election are much the same as previous election issues, but the world's stagnation probably gives them more point. The two main features are the tariff and the continuance or repeal of the eighteenth amendment.

THE Democrat choice, Mr. Franklyn Roosevelt, a cousin of the redoubtable Colonel Theodore, appeals to the small shop-keeper, the artisan and the professional man, while Hoover's party, the Republican, represents the large and organised business activities. Roosevelt is mainly a politician, and it was said by Mr. Webb that he was generally regarded as a trimmer. Through his prosecution of the Mayor of New York, Mr. J. Walker, for corrupt practices, he has incurred the opposition of Tammany, which organisation supports the Democratic party.

Hoover, who has been unfortunate in that his occupancy of White House has coincided with the slump, distrusts the mob and has on occasion publicly said so. While not attempting to predict the outcome of the election, Mr. Webb thought that the Democratic nominee had a better chance in this election than at any time since the war. With ten millions or more unemployed, the policy of the parties arouses more interest than is usual, and although Hoover has been far from a successful President, many well-informed persons think that sympathy and Tammany opposition to Roosevelt, may result in Hoover's return.

FROM 4YA on Wednesday, Mr. Lloyd Ross, with his customary lucidity speculated upon some of the proposed plans for reconstruction, advanced by half a dozen or more, well known economists. The speaker outlined the foundations of the schemes suggested, and admitted that several had the appearance of being sound. Should any one of the plans be adopted in the pursuit for a return to prosperity, its structure would, however, necessarily require modification as time proceeded, as in this changing world no institution would be viewed as permanent. Orthodox economists were inclined to accept things as they exist at present, and endeavour to build upon a base that is of questionable soundness, or what might in the future, be regarded as quite imperfect. Many were inclined to view matters with a limited aspect, although all admitted the visible abundance of the world, that was now greater than during any period in history.

IN spite of the earth being a wonderful factory, its people remain poor when the market for its produce is greater than ever before. All are agreed that there is no shortage of goods, but agreement is not found among economists when methods of distribution are proposed. Each has a tendency to advance a panacea which aims at an absurd standardisation and to labour the point that maladjustment can be remedied by the observance of permanently laid down regulations. To suggest that any one of our institutions, or for that matter any group of institutions, is solely to blame for the problems that have arisen, is merely the expression of a half truth. Scientific production has outgrown our social institutions, and the remedy is a readjustment to suit modern conditions.

Radio Simply Explained

"QUESTIONS AND ANSWERS IN RADIO."

Price 1/6. All booksellers and dealers, or Box 1032, Wellington.

Answer to Correspondent.

J.R.: The Board desires that the morning services shall remain impersonal.

Times for Lectures.

COULD it not be arranged to have lectures at different times at all YA stations? The other night I wanted to listen to two lectures from two different stations at 9 p.m.—how is it possible to do that? On the same evening there were two interesting lectures, from two stations at 7.30 and 7.40, and how can one listen to both? The lectures lately have been extremely interesting, and it is a pity to miss them. Again to-night are two interesting lectures at 9 p.m., both of which I should like to hear. I see that next Tuesday there are to be three good lectures at 9 p.m.

A news section at 10.15 a.m. from 3YA would be very acceptable. I agree with "Nuf Sed" that a "request night" occasionally would be successful. I do not agree with M. B. Signal, as I consider the music during the day very good.—"Listener" (Timaru).

Literary Competition.

I WOULD like to place on record my appreciation of the literary competition, which was even more interesting than the "music lovers." We are looking forward to the next one.—Mrs. G. H. Taylor.

News Sessions.

I QUITE agree with "NZ13W" that it would be better if two of the A stations were to give their news sessions between 6 and 7 p.m. This would make it possible to have music from the A stations from 6 p.m. until closing down. In Dunedin, especially on a Wednesday night, it is impossible to get a local station with music between 7 and 7.30 p.m. This is frequently the case on a Thursday night too. Are there not quite a few others who are of the same opinion?—ZLA.

Younger Generation Calling.

I QUITE agree with M. B. Signal's remarks re more dance music. As Mr. Signal said, the highbrows are too well



Lester F. Moller,

a clever young Dunedin humorist, who will give listeners advice on "How to Live a Hundred Years," from 4YA on Tuesday, November 1.

—Zenith, photo.

Our Mail Bag

catered for. Why not consider the younger generation by way of a change. One gets very bored listening to nothing else but movements, sopranos, basses, light opera companies, and Berlin State Orchestras. 2ZW knows how to cater for all classes of music lovers—there is nothing monotonous about its programmes. Why can't 2YA do the same? We have to pay for our receiving license as well as the highbrow, so why can't we get our share, too?—One of the Younger Generation.

Radio Plays.

I NOTICE in this week's "Record" that once again we are to have a radio play, on a Friday evening. Each time one of these popular plays, either by Will Bishop or Victor Lloyd, etc., is broadcast, it seems to be on a Friday. Could not these sometimes be arranged for any other night? I, for one, have to work every Friday, and I am sure there are hundreds of listeners in a position similar to mine, who on this account are never able to listen to Friday broadcasts. I sincerely trust that the next broadcast of a play will be on one of the other nights, and give these workers and others who have to shop on the "long night" a chance to listen.—A. A. Pond (Dunedin).

The Advisory Council.

THE autobiographical information furnished by your correspondent, Mr. I. Meltzer, is most interesting. I accept his explanation as to how he obtained his patronymic—that is quite feasible—but I am afraid he is too optimistic when he speaks of Providence having been generous to him in the matter of wisdom. Providence would hardly regard that claim as a compliment.

Mr. Meltzer does not sense the connection between his name and the merits of the Council. The answer is that there is exactly the same connection as between his absurd remarks and the merits of the Council. Mr. Meltzer should write about matters of which he knows something instead of attempting to pose to your readers as an authority on things of which he cannot possibly know anything.

In brief, may I add, for the benefit of Mr. Meltzer and your readers generally, that the Broadcasting Board has the executive control of broadcasting. The Advisory Council's function is to tender advice on certain matters; that advice may or may not be accepted by the board, but, as the discussions of the Council are private, it follows that Mr. Meltzer is not in a position to criticise either the Council or its advice. He is, of course, perfectly entitled to criticise the policy and actions of the Broadcasting Board, but I suggest to him that such criticism should be confined to such policy or actions and that contemptuous references to the personnel might well be omitted.—F. T. Davis (New Plymouth).

The Choral Eight.

VARIOUS readers have written in giving 2YA hearty pats on the back for their good programmes they have put over. I for one would like to know when these "good" programmes were broadcast, for, taking them as a whole,

we are fed up with what they send out, but we have to listen or close down and await Sydney, as neither of the remaining YA stations come through well. Last Thursday the entertaining items put over by Frank Crowther's orchestra were very much enjoyed by us all, but how wearying it was to have to sit out the Choral Eight. Individually they were moderate, but as a combination they failed—their voices clashed. They cut off Frank Crowther and Co.'s last item, an item which promised to be the best of the evening. Probably Frankie had an engagement at the Majestic, the dreary talks and the Choral Eight putting the time beyond his limit. Last Saturday (October 15) was one of the dullest programmes we have ever heard. Static was too bad to get elsewhere. I hope we shall soon get a list of these programme-arrangers—they certainly do not know their job.—Reader (Wanganui).

Reform.

YOUR editorial notes and Quadrant make very interesting reading. Personally I think the talks introduced into the programme are a decided improvement. As you suggest, a lot depends on the lecturer's manner. As far as 3YA is concerned they are of a very high standard. Sometimes the subject as announced does not appeal to me, but usually the lecturer makes all the difference. When a subject does not suit me I do not complain but let the other fellow have an innings. We switch over to another station until it is finished. If one is used to dxying any old time from 6 p.m. to 5 a.m. one gets used to static and fading and listens only to the portion one supposes is put into the microphone, until the objectionable item at home is concluded. Quadrant's notes are at times a little too critical, or should I say sarcastic? Some of the notes annoy me, but I suppose Quadrant does not worry very much about that. I do not like to hear him speak unkindly of 3YA, but if he could send along a good strong bomb or a few gallons of laughing gas it might do some good. I tried on one occasion to introduce a different type into one of our early evening sessions, but seemingly it was not appreciated. Recently there has been some improvement, so one must not complain.

Our Mailbag is an interesting page, but perhaps a little contradictory. Your correspondents from Palmerston North and Waverley will find the programmes fairly monotonous if they listen in all day. In any case, they are both wrong. Some mornings we hear a lecturette on how to apply powder, the best material to wear next the latest lace frocks, about corns and various other similar subjects. Some afternoons we get a kind of women's W.E.A. session. These lecturers have nice, sweet, musical voices, but you can't call it jazz, but on second thought, it might be possible to include it in the classical hour.

I appreciate good music, but too much of a good thing is not good for anyone, and "a little nonsense now and then is relished by the wisest men."—Reform (Christchurch).

Children's Sessions

FROM 2YA.

Monday, October 31: Listen to-night, children, as this is a special evening. It's O'er Hallowe'en and there's to be an O'er Hallowe'en Play, and perhaps a real O'er Hallowe'en Party. Kipling Lady, Buffalo Bill, and Hiawatha will also be there.

Tuesday: The Children's Session to-night will commence approx. at 5.30, owing to an Overseas Broadcast, but there will be plenty of time to call the Birthdays.

Wednesday: Wool Woman, Sesame, and Aunt Mollie will be the guests of honour at the Snow Queen's Palace this evening. It is Wool Woman's first visit there.

Thursday: Big Brother Jack will have a treat this evening, when he and all Radioland are entertained by the Technical Girls' College Choir under the leadership of Mr. Vrym Evans.

Friday: Uncle Jim will send Birthday Greetings this evening, and will also be in the Studio to hear a delightful play called "The Witch's Bees," which Cousin Georgie and her friends are performing before the microphone.

Saturday: Aunt Mollie and Uncle Jasper are delighted to have in the Studio again this evening the children from the Kilbirnie Convent who sing choruses and part songs so delightfully. A treat for us all.

Sunday: The Thorndon Methodist Children's Choir will be in the Studio this evening, to assist Uncle George in the Children's Evening Song Service.

THE National Broadcasting Company of America's stations, which operate eighteen hours daily, send enough power into the air each day to raise the Empire State Building, weighing 302,500 tons, sixty-five feet off the ground.



James Laurenson,

popular 3YA humorist, who will be heard giving one of his own compositions, "The Taranaki Lad," on Monday, October 31.

—Stephano Webb, photo.

Northern England ores rich in iron and coalbeds were discovered in close proximity, and this potential wealth was intensively exploited.

Those of you who have seen or read the play, *Milestones*, will have noted there a simplified version of this epoch: in that play we pass from the generation of wooden ships to that of iron ships, and finally to the generation which constructed its vessels of steel. In this period enormous wealth was suddenly accumulated, as we know incidentally quite without reference to the happiness and welfare of many of those who made its accumulation possible. It has been said that capital is the cement that binds a civilisation together. Now at the time of which I am speaking there was so much of this cement that some of it had to be exported to other countries, with results that on occasion were quite unpredictable. For example, vast quantities were sent to the Argentine: the consequences of this we have heard discussed frequently enough in recent times in connection with the Ottawa Conference. Another example: Pola was an Austrian port on the Adriatic, and by the aid of British cement a ship-building yard was established there. During the war, instead of building ships to carry figs and dates about the Mediterranean, the Polanese manufactured submarines, which managed to sink some 200 million pounds worth of British shipping.

The Great War had come. The European civilisation which was now in part built up by scientific discovery, was almost to destroy itself by science. In the early years of the present century English scientific work had become definitely inferior in quality and quantity to that of our German neighbours. We were to become specially aware of this during the early part of the war.

Out of that intensification of scientific activity forced upon us in those years arose the Department of Industrial and Scientific Research, which has continued in times of peace. To-day this is extraordinarily well organised, and the output of work under its direction is very considerable. Thus one section deals with building research, and has carried out all manner of investigations on roofing-tiles, concrete bricks, stone preservation, mortars and the like. In engineering various problems connected with iron and steel and other metals have been examined. The fuel research section deals with all questions related to fuels, e.g., the recent work on the oil-coal mixture to replace oil as a fuel in ships. The Forest Products Research Board has carried out many investigations on wood and timber.

The food research is of special importance to us in New Zealand: all matters connected with refrigeration and cold storage, whether of meat or fruit, are the subject of minute scientific control. At the same time agricultural research is being carried out in various institutions and experimental stations. I have said enough, I think, to indicate how closely our modern civilisation is bound up with science, and that the authorities in Great Britain are well aware of this.

I shall now proceed to make reference to another great civilisation which has flourished in our time. In America the problem has been different from that in industrial England, because there the civilisation has partly

developed through the exploitation of a great new land, rich in natural resources. At the beginning there was settlement on the eastern seaboard, a fertile country containing in places great mineral wealth.

I mentioned, you remember, the play, *Milestones*, as indicating the rise of the machine age in England: in the same way the very excellent novel, *The Three Black Pennies*, by Hergesheimer, deals with three generations of the corresponding period in Pennsylvania. With the railway American civilisation advanced rapidly westward to the fertile tract about Chicago, known as the Middle West, and then be-

knew Huxley as an undergraduate, and was thus early impressed by his very great ability; now he is regarded as one of the leading English biologists. In reading his book one notes first of all that he is the trained, scientific observer, impartially examining or correlating facts, and drawing the inevitable conclusions. He relates that Soviet Russia is preparing to increase expenditure on pure scientific research to a scale far beyond that attempted in any capital and country. He points out that in other countries there has always been a serious lag in the application of science to practice, due partly to ignorance or prejudice, and



"Artistry in Opposite Sexes"

is the title of a
special recorded pro-
gramme to be pre-
sented from 4YA
On
Monday, October 31.



yond the deserts of Arizona and New Mexico to the rich Californian coast. In the process a considerable amount of surplus European population was absorbed. Even the desert country has been utilised in part and made fertile by irrigation. All this was possible by an application of engineering science, and a civilisation of intense potential wealth has been constructed.

Like England, America has been fully aware of the importance of science, and there also are many organisations for the industrial and commercial applications of scientific discovery. But the saturation point had been reached, and this civilisation, like others, was so organised that it could not even absorb its own working population in economic activities. This check in the power of expansion in America has been regarded as one of the significant causes of the present world depression. The tide of emigration, which for the last century had set westward across the Atlantic now turned, and many are migrating from America to Soviet Russia.

I have already referred to the metaphorical use of the word cement. This newest of all civilisations is cementless; or at all events it employs cement simply for its own constructional purpose, and not as material for competition among its individual members. More perhaps than any other civilisation, this Soviet culture insists on the paramount importance of science for the development and fulfilment of its aims, and it is gradually building up a vast network of inter-related scientific organisation.

A recent book, *A Scientist Among the Soviets*, by Julian Huxley, gives us a strange insight into present-day Russia. By chance it happens that I

partly to the expense of testing out laboratory results on a large scale. In Russia the liaison between science and practice is organised so as to get over this difficulty as far as possible.

But if Huxley is a trained scientist, he is a human being also. He is aware that a vast experiment is being made with a great race of people in a mighty country, incredibly rich in undeveloped natural resources. He is deeply interested, and in amidst his observations he stops on occasions to wonder and speculate: What, now that the first Five-Year Plan is almost completed, what will be the state of affairs at the end of the second Five-Year Plan, or in twenty years' time, or in thirty years from now?

It is interesting, I think, that a scientist should be human like this, and I am going now to tell you about another scientist, a young man from New Zealand, the most brilliant student I have ever had at the university, who has been to Russia on two expeditions, the first with a body of English scientists on a soil commission, and then alone by special invitation from the director in charge of a large fruitgrowing area in South Russia. In the first Five Year Plan, as you know, the chief emphasis was placed on the basic or heavy industries, and the people incidentally had to suffer in consequence considerable deprivation. The second Five Year Plan involves the establishment of various minor industries, and of these fruit growing is one. The total output of fruit is going to be increased by 1200 or 1500 per cent, it is claimed. But I am not going to bother you with any details like this; I want simply to read to you a portion of my young friend's letter, in which he conveys a feeling of the

country he was visiting. Some of you will know the old Russia as described in the plays and short stories of Tchekov, and in the novels of Turgeneff. In fact from the modern novels about Russia we get perhaps after all the best idea of what is happening to their civilisation. It will be suggested by the wise, of course, that one must beware of propaganda, especially as we live in an age where propaganda has been so scientifically exploited. But if one thing is clear, it is this: bad propaganda makes bad art; on the other hand if we are dealing with a good work of art it is impossible to tell where the propaganda begins and the art leaves off. One simply does not know. Thus a novel called *Three Pairs of Silk Stockings* was highly praised both by the conservative "Morning Post" and by the socialist "New Leader": each claimed that it was propaganda for its own side.

But I return to my young scientist. He spent some time in Kiev, enjoying himself there, swimming in the River Dnieper, sun-bathing on its sandy banks among its healthy-looking young people, going in the evening to the open-air "Proletarian Concerts." "I should like to tell you more about Kiev," he writes, "its dusty cobbled streets, with here and there some new straight paved ones; the grassy lane that leads to Villenski's house on the outskirts; the beautiful deciduous forests beyond the Agricultural Academy, in gently undulating country with little lakes; the crowds of happy white-dressed people thronging up and down the main street at night; the dozens of new co-operative or municipal shops, selling groceries, fruit and vegetables, sports ware and wireless sets, shoes and clothes."

"When we left we went first to Mleev. Our arrival seemed to me at the time extraordinarily romantic, almost dreamlike. After sleeping in the train we set off over lumpy roads under a sky of amazing stars; we were travelling along a wide flat valley with distant gentle hills silhouetted like the blackcloth for a Russian play. Every now and then we passed a greyish-white thatched cottage or saw a procession of broad windmills on the horizon. We turned through a big white gate at last, and found a room in a vague white house where we fell asleep. It was that, framing it in sleep, which has made the memory, so dreamlike."

"I was taken through the laboratories (it is a place about the size of Rothamstead, simply for horticultural research) and also examined soil profiles in the field. A similar programme at the other station I visited; along with it we engulfed great quantities of fruit—water-melons, pears, apples, plums. And we were always loaded up with fruit, sometimes also with bread and cheese and other provisions for the journey, when we left. We agreed that so must have travelled scholars on pilgrimages in medieval times. It was pleasant to feel that nomad hospitality and know that the spirit of the wandering scholars was not dead."

Much, as you know, has been written and talked about Soviet Russia, some of it over-flattering and some of it unfairly hostile. In the end perhaps their civilisation is not so vastly different from our own: I mean, they are human beings just as we are, with griefs and sorrows, joys and illusions, just as we may have them too.

Questions and Answers

AERIAL (Wellington): I intend building a band-pass filter described in the 1932 "Guide." Is this a suitable filter for my seven-valve a.c. set?

A.: Yes, but it would be better to construct a filter along the lines described in the September "Radio Times" in connection with the "Link Three." It is of the capacity-inductance type and has a better frequency response than the purely capacity type which was described in the "Guide." The coil particulars were given in the October issue.

2. Will it make 2ZW any sharper?—**Yes.**

3. Is the .01 mfd. mica coupling condenser supposed to be touching the aluminium screen?—**A.:** Yes.

COUNTRY (Frankton J.): I have a five-valve commercial neutrodyne. Would it be more efficient and economical and not too expensive to construct another circuit using the same parts?

A.: Probably a more economical set would be the "Neutron Four" described in the "Radio Times," with an extra stage of radio frequency amplification.

2. What parts can be salvaged from my present receiver?

A.: Any that fit in the parts list or are fairly near to it.

ANNOYED (Taumarunui): When the volume control is full on there is a loud hiss in the speaker which does not appear to be valve hiss.

A.: Every set will, to a certain extent, hiss when turned on fully, and if you have had a serviceman on the job it is impossible for us to advise you any further. Your receiver is a standard one and should be quite satisfactory. The only satisfactory method of getting over this trouble will be to analyse the set thoroughly, proceeding stage by stage. You can locate the stage which is causing the trouble by pulling out the valves one by one, commencing with the one nearest the aerial.

A.H.F. (Wellington): An aerial doubling back on itself is not as efficient as an ordinary straight aerial. However, if space is limited you are probably doing the best you can under the circumstances.

ABERDONIAN (Wellington): I am using a screen-grid pentode on a short-wave set. Can I successfully use a B and C eliminator?

A.: There may be a little ripple on the short-wave due to this, but you could probably get over it by incorporating a fairly big choke in the detector lead and by-passing it with a

large condenser of, say, 2-4 mfd. You will need probably 75 volts on the screen instead of the 45 you have shown.

2. Will there be any added signal strength by using an outdoor aerial, say, 45 feet long? I now use an indoor antenna.

A.: Yes, it would be much better.

ZL314 (Southbridge): What are the particulars of the filament winding for a tungar bulb rectifier?

A.: Owing to the high filament current taken by tungar bulbs they have rapidly gone out of date, being replaced by economical rectifiers. A two amp. charger has a filament current which requires about 16 amps at 2 volts. The secondary would have to deliver 20 volts, as this would allow for 14 dropped through the bulb.

MOI WHIARE (Feilding): I wish to bring my "Outspan" up to date. I use a "B" and "C" eliminator, and want to do without the resistances as specified for the 1932 "Outspan" in the last "Radio Times." What are the voltages on the plate, and screen of the detector?

A.: If you wish to derive the full benefit from the screen-grid detector you must use resistance capacity coupling. In this the detector plate voltage is fed through the usual $\frac{1}{2}$ megohm resistance and an appreciable voltage drop takes place, hence use your B max. tapping. The voltage on the screen should be between 20 and 30 volts. If the last tapping on your eliminator is 50 your best plan would be to use a 50,000 ohms potentiometer between this tapping and earth, taking the moving arm direct to the screen, not forgetting to by-pass it with a .5 mfd. fixed condenser.

A.C. (Auckland): Your parts list is correct, though the use of .0002 instead of the .0001 in the position C3 may alter your tuning slightly.

P.C. (Livingstone): Yes, the shortwave adaptor shown is a perfectly good one, and will work well with the 1932 "Outspan Four." It does not use the whole of the set, but plugs in to the detector socket.

2. Should I change the four-volt valves, would it be best to remove the series connector and then connect the two cells in parallel?

A.: Yes, although being a little under the required voltage, you may not get the best results. You may have to use a rheostat in series with 3 volts.

3. If my set uses 3 amps "A" current, how long would a car generator rated at 6 volts 4 amps take to recharge a 120 ampere hour accumulator, the set being used 3 hours a day and run for a week without charging.

A.: You will need to charge your battery four or five hours a week.

4. What would two PM3 in pushpull double biased draw?

A.: On no load the current would be negligible. Under operating conditions they will draw between them from 1 to 2 milliamps.

L.S. (Christchurch): My set is very harsh when tuned to either of the local stations. When I disconnect the set all the harshness disappears.

A.: Through turning down the volume you are introducing distortion. It is usually far better to take off the aerial where local stations are concerned.

2. How many charging hours should a 90-volt Edison battery require when using a 60 watt lamp in a chemical rectifier?

A.: It will be required to be charged approximately twice as long as you use the set. That is, if you are using the set for 6 hours, you will require to charge your battery for 12.

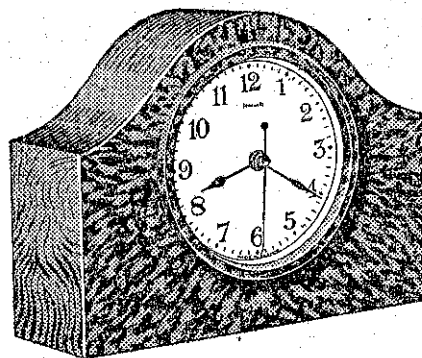
(Continued on page 13.)

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News and Views of the DX Club

Answers to Correspondents

"New Chum" (Nelson): Excellent dxing.

46W (Wanganui): The "1932 Radio Guide" contains the most comprehensive list we know of.

J.L.L. Cromwell): Sorry, but we have no trace of your letter.

Identification Wanted

Two Europeans on 900 k.c. (333 m.) and 1195 k.c. (251 m.) heard recently between 5.5 and 5.50 a.m.—"New Chum" (Nelson).

Station heard on approx. 200 m. (1500 k.c.) between 7.30 and 8 p.m. on Oct. 15. Call sounded like "4WL, Brisbane." Also station heard at 10 a.m.

Non-Reply Stations.

DXERS have experienced difficulty in obtaining verifications from the stations listed below:—

4ZL, 2ZB, 4ZM, 2ZE, 7LA, 2HA.—"Digger" (Hamilton).

KGER, KOIL, KMOX, KV00, KFWB, KFPY, KTFI, KTRH, WDSU, KRCR.—"Bulova" (Timaru).

WOC, JOHK, 2ZM, 2ZJ.—111a (Tauranga).

2ZB, 2ZL, 3ZR.—104A (Morrisville).

WGN, KFBI, KGHF, KVI, KTFI, KFAC, KMTR, VK4LW, VK2HM, 5DN, VK4GO, 4RK, VK3ML, VK3EK, 4ZL, and 1ZQ.—"Ranganui" (Dunedin).

2NC (daylight), 5KA (2 reports), 4GR, 3EF, 4ME, KMOX, KPSD, KZRM, JOAK, JOHK, JODK, JOBK, JOKK, 1ZR, 4ZP, 2ZF, and 2ZP.—170T (Dunedin).

[In connection with this we propose to run two lists, the first being of those stations reported unsatisfactory by one dxer only, and the second of those reported by four or more. We feel that it is only fair to stations to do this, as a single report could quite easily go astray or be delayed.—Ed.]

on Oct. 16 on approx. 1470 k.c. (204 m.). Choir was singing "Work, for the Night is Coming." Has anyone heard KGEJ on 1300 k.c. (231 m.)?—128MO (Timaru).

Short-wave station heard at 7.30 a.m. on Oct. 16 transmitting music and also speech in a foreign tongue. After some time the announcer gave the time as 11.30 p.m. and asked for reports to be sent to 951, Post Office, Madrid. The last was in English. Wavelength was about 27 metres, dial reading 25.3. BAQ comes in at 29.2 degrees and G5WS at 14 degrees.—46W (Wanganui).

Two stations heard on Oct. 6. The first was American on approximately 1245 k.c. (241 m.), heterodyning badly with 2NC, heard at 7 p.m. Announcer gave time as 11.30 p.m. The second station's announcer stated that the station was working on 1306 k.c. (230 m.), with a power of 25 watts. He asked for information on reception and then

closed down at about 10.20 p.m.—A.N. (Wellington).

At 5.10 a.m. on Oct. 10 station on 925 k.c. (324 m.), was heard fairly loudly. It was apparently broadcasting a church service, as I heard foreign speech, chimes, organ music and then singing. Also stations coming in fairly strongly on 620 k.c. (484 m.) and 1065 k.c.—"Mauku" (Pukekohe).

DX Topics

SHA Out of Cards.

IN a recent letter from SHA, they state that at present they are out of station cards, but will forward them, as soon as they are available.—154OC. (Timaru).

League of Nations Broadcasts.

I AM the Secretary of the League of Nations Union here, and I have received the following intimation from Geneva:—"The Secretary-General of the League of Nations is to issue a weekly broadcast of about 15 minutes on current League events, to be transmitted throughout the world on a short wavelength from the powerful League wireless station. This new service has been undertaken in response to a very general demand and as a result of the success of the previous experiments in broadcasting to the Far East and to North and South America. The broadcasting is to begin at the end of September, when the Assembly of the League opens its session, and it is proposed that it should take place on Sundays, at the following hours:—

First Transmission:

14 hours to 14.15 (Swiss time). In French. (Tokio 22h., New York 9h., Buenos Aires 9h.). 14.15 to 14.30 (Swiss time). In English. 14.30 to 14.45 (Swiss time), in Spanish. Wavelength 20.74, 30.3, or 40.3m (kilocycles, 14, 463; 9580; or 7443, according to the time of the year).

Second Transmission:

23 hours to 23.15 (Swiss time). In English. (Tokio 7h., New York 13h., Buenos Aires 13h.).

Followed by Spanish and then French, for a quarter of an hour each. I should be pleased to hear from anyone who picks up these League broadcasts.—Thomas Todd, 180 Ballance Street, Gisborne.

Breslau, Not Goteborg.

IN "DX Topics" of the 14th inst., I notice that "Digger" questions Breslau being the station heard on 324 metres. He considers it is Goteborg. Breslau's call is given frequently and very distinctly, and the following is an extract from my log of Sept. 6, when I copied this station from 5.40 till 7 a.m. I copied the call at 5.40 a.m., "Hier Breslau und Gleiwitz," and again at 5.48, "Hier Schlesischen Funkstunden Breslau und Gleiwitz-meinen Damen und Herren, etc." A short talk followed, and then a pause until 6 a.m., when a different announcer called, "Achtung! Hier der mittell deutscher Funkstunden." A talk followed, which was heard from Breslau, Gleiwitz, and Muhlacher, who were evidently all relaying the speaker from Leipzig. Breslau's transmissions are practically all relayed by Gleiwitz.

I sent a report to Breslau 12 months ago when they were using 1.7 k.w., and they wrote me send their equivalent of the "R.R."—a paper called "Weltfunk" with the programme reported marked in it



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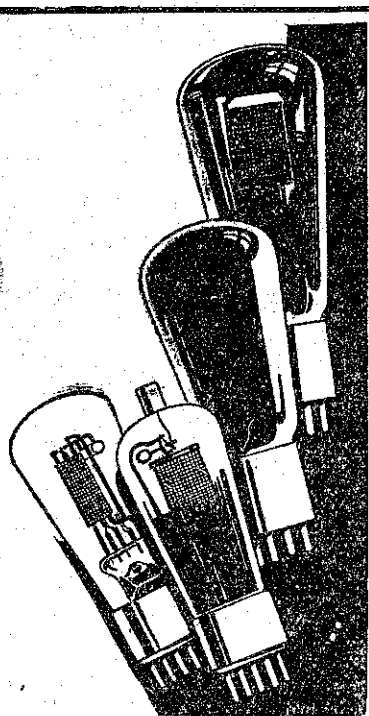
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DX Jottings.

THE Europeans are now coming in well. On a recent morning I heard 29. Latest verifications are from 6ML, 2XN, CJOR, and KTBS. Latest logging, WMAQ, Chicago, 670 k.c. (448m.), 5 k.w. Dxsers, don't forget that the postage for most European countries is 2½d.—32T (N.P.).

KXA on a New Frequency.

LAATEST loggings are WADQ, KTRC, WBBN, 2GN, VK2BK, 3BH, 5WA, 7BC, OKF, Crenoble; RW36, Archangel, and Breslau. KXO was heard on Oct. 14 at R1-2, but he was surging very badly. KSTP was very weak on their special programme and was heard much better at 5.30 p.m. than at 6.30 p.m. Re the new Frankfurt transmitter. The station commenced operating on the last week in August with an output increased from 1.7 to 17 k.w. The station is using the former Leipzig wavelength (259.3 m.), while Leipzig is to change over to Frankfurt's wavelength (389.6 m.). Has any dxe heard them yet?

N. Jenkins (Masterton): KFAB was heard at 5.50 p.m. on July 10. "Marama" (Invercargill): I received a prompt reply from JOHK.

An extract from a verification from KXA reads: "KXA is now on a new wavelength, which we believe will make your reception still better. You will now find our station by tuning to 760 k.c. instead of 570 k.c., as before." A verification from VK2UX gives the following information: "Frequency 1231 k.c. (244 m.), power 12.5 watts."

Concerning "Non-reply" Stations.

"DIGGER" (Hamilton): I have had prompt replies from 4ZM, 2ZE, 7LA and 3HA. 111A (Tauranga): WOC, JOHK and 2ZJ all replied promptly, but 2ZM's card was rather late in arriving. I have to thank Gisborne branch for my verification. "Bulova" (Timaru): KMOX, KVOO, KFWB, KTRH, and KCRC all replied.—"Ranganui" (Dunedin).

Recent Verifications.

LAATEST verifications are from 5DN, 2GN, 6KG, 5PI, 3WR, KFAC, WOAI, and XER. 13SW: 2ZH and 7LA replied within one month, while 3HA took seven months. 19W: 5DN verified recently within one month. I am very pleased with the smaller-sized badge, which was badly wanted.—17Ot. (Dunedin).

Reporting Europeans.

IREAD with very mixed feelings an account signed by "Eight Valve" (Oamaru) of his reception of Europeans. I—and I suppose dozens of other dxeers—would be very glad of his advice in the matter of reporting Europeans. "The next morning I arose at 4 a.m. and was able to obtain enough particulars to send for fifteen verifications"—so reads his report. Is it possible? If he spent six minutes on each of them, it would be 5.30 a.m. before he had heard them all. This is without allowing any time for tuning in. Allowing ten minutes each, the time would be 6.30 a.m. Even then, with only ten minutes listening, what possible value would any report have to any station on the Continent?

Most of these are on speech at about that time and any music transmitted is usually consisted of classical selections, which take ten minutes or a quarter of an hour to play. Is it fair to send a report of this description to any station whose language you don't understand, and, what is more, expect them to recognise their programme and verify reception? When reporting on Continental stations I have never sent details of less than half-an-hour's programme, but usually it is nearer the hour. I certainly cannot

Special New Zealand Programme

WE have been advised by cable that 6KG, Goldfields Broadcasters, Ltd., Bourke Street, Kalgoorlie, 1220 k.c., 246 m., 100 watts, will broadcast a special programme for New Zealand listeners on October 29 between 2 a.m. and 4 a.m. New Zealand summer time. 6KG particularly wants reports from New Zealand listeners, and as many members of the Club as possible are requested to listen-in and furnish the station with accurate details as to the reception of their broadcast.

see what use a report on five or six minutes' listening is to any station. If N.Z. dxeers are in the habit of sending such reports, I am sure this would account for stations being placed on the "no-reply list."—23A (Cambridge).

"No-reply" Stations.

IN the issue dated October 14, the following stations were given as not having replied to my reports. 4ZL, 2ZJ, 3HA, 4ZM, 2ZL and 3ZR. This is wrong, as 4ZM, 2ZL and 3ZR have replied to my reports. Latest verifications are KFAC and HSP1.—"Six Valve" (Christchurch).

(Sorry, we do not know how the mistake occurred. We still have a few copies of the September "Radio Times" left.—Ed.)

DX1S. You certainly appear convinced that the station on 324 m. is Breslau. I also have looked up five late English lists dated the last week in August, and all give Breslau as 1.5 kw. No mention is made of any increase in power. I hear this station every morning and certainly on some mornings it is very German, and on others just the reverse. No one appears to have heard the call and so I have done the wisest thing and reported both. If I am mistaken I will be the first to admit it, but until something definite turns up, I will still think is Goteborg.—"Omsk" (Whakatane).

My reply was in answer to your inquiry in issue dated Sept. 23. "Digger" (Hamilton).

DX Jottings.

AMEERICANS have been coming in quite well lately. Static, although bad enough, is at least no worse than during mid-winter. Recent loggings are: KFNF, KGHL, WKAQ, WJSV, WRR, and YV-IBC, Caracas, Venezuela. All these except WRR were logged, on special tests. YV-IBC comes in at about 960 kc. (312 m.). At first I thought it was XED, because the announcement sounded Mexican, but the call, IBC, was given clearly in English. Strength was fair. Among verifications to hand are WSMB, KFUL, KLRA, KTSA, KGRS and XEO. KGRS took 52 months to verify. XEO is my seventh Mexican verification. The manager of XEFD, Tijuana, requests

N.Z. dxeers to try for his station on 845 kc. (355 m.) now. He will promptly verify correct reports. XETR asks for reports also. They are on 605 kc. (496 m.) and would also like to hear from dxeers picking up XETF, a sister station which is listed at 630 kc. (476 m.). They operate during ordinary hours until just after midnight C.S.T. (6 p.m. N.Z. S.T.), but they may be on later. On Oct 18 KSL, Salt Lake City was received at remarkable volume and clarity on a test programme. I listened to them for over an hour with the volume control turned almost right back, and they did not fade once. This was rather unusual for an American. Every tune came in perfectly and 2YA was the only station coming in better at the time.—Omsk (Whakatane). The station you heard at noon was KDKA. Although I have not heard his call I have caught announcement in an unmistakably American voice and heard Pennsylvania mentioned once. 3YA is too powerful here, though. "Radio" (Wellington) European on 690 kc. (434.5 m.) is Stockholm, and that on 850 kc. (353 m.) is Graz. American on 3BO's frequency is KJR. Japanese stations: JQAK and JOUK are on 645 kc.; JONK is of 630 kc. while JOJK, JOTK and JOCK are all on 625 kc. 26W and 59HB, XEFB, Monterey is listed on 1270 kc. (236 m.) but uses only 50 watts. A station to come in at 6 p.m. must be powerful. Write to a prominent Mexican and ask them to forward your report.—"Bulova" (Timaru).

Radio in Mines

A WIRELESS aerial may soon become a familiar sight at every pit-head in the coal districts in England, as a result of enterprising experiments conducted in one area. The apparatus has been installed both for humanitarian and commercial purposes. A telephone transmitter and receiver at the pithead maintains communication with transmitters and receivers far underground in different sections of the mine, and it is hoped the installation will be permanent.

**BANISH HUSKINESS
WITH**

Pulmonal

1/6 & 2/6 At all Chemists

RADIO GOODS What to Buy and Where

BURGESS RADIO BATTERIES, All Radio Dealers.

LOFTIN-WHITE AMPLIFIERS, Stewart Hardware Ltd., Courtenay Place, Wellington.

MULLARD VALVES All Radio Dealers.

Questions and Answers

(Continued from Page 10).

3. What is the charging rate for a 4-volt 60 ampere hour battery?
A.: This is usually stated. About 4 amps.

VITI (Manurewa): Soon after my set is turned on a fierce tearing noise develops, and dies out in pops in about 20-30 seconds.

A.: Probably one of the valves is causing trouble. Turn the set on, and when the noise starts pull out the valves, commencing with the one nearest the aerial in turn, and by this means you can locate the valve which is causing the trouble, for when the noise stops, it is that valve or the associated circuit. Have the valve tested, or move them round if they are movable.

2. Using a pick-up with the set a crackling noise begins, and is influenced by the potentiometer.

New Zealand Radio Institute

AT the next meeting of the New Zealand Radio Institute, which will be held in Messrs. Nimmo's Hall, Wellington, at 7.30 p.m. on October 27, Mr. Preston Billing will lecture on the theory, operation and servicing of the modern superheterodyne. As this subject is of paramount importance to radio servicemen and enthusiasts, it is hoped that a good muster will attend. The Institute is making this lecture open to all those interested in radio.

A.: This is probably a broken wire in the potentiometer, but it may also be a break in the armature in the head of the pickup.

3. The aerial tuner was described in the "Radio Record" dated October 30, 1931.

MICROPHONIC (Westport): You will get details of the band-pass filter from the September "Radio Times." You will find them in connection with the "Link Three."

HOPEFUL (Karori): Would it be an improvement if I biased the two r.f. stages of my "Outspan Five"?

A.: Yes, it would improve the selectivity.

2. How would I make the connections?

A.: Break the two grid returns to earth and take them to a common G.B. negative terminal, taking the positive to "A-." The "Neutron Four" described in the "Radio Times" will show you the connections. Use a separate primary.

3. I sometimes get a loud hum in my set. Shifting the speaker often stops this.

A.: This is due to a microphonic detector valve and the only satisfactory way of eliminating this would be to change the valve.

BROOKLYN (Wellington): Can I use a pentode in the last stage of the "Kestrel Three"?—Yes.

2. Can I make the above set selective enough on the broadcast band to permit of separating 2YA from the other YA stations, and perhaps Australia?

A.: Yes, by incorporating a band-pass filter. However, if you are to use it for shortwave you will be in difficulties.

CURIOUS (Picton): What power valve do you suggest for a "Celestion" speaker? Could I work a power valve in the last stage, in connection with it?

A.: Either a pentode or a medium power valve can be used, the ratio being ad-

justable by terminals on the output transformer.

3S (Invercargill): I have a PM14 and an S625 and I want to use both in the "Differential Five." Which one would precede the other?

A.: Use PM14 first, followed by the S625.

2. I am told the inter-electrode capacity of S625 is reduced if it is tapped to the succeeding coil. Should I make this connection?

A.: Not if it is the valve next to your

detector. If you are using it in the first stage, it should be tapped in at the centre of the coil.

3. I have a 442 valve, the top of which has broken off, leaving a small hole, with the plate wire protruding. A white substance has formed inside the glass of the bulb. The filament appears to be all right.

A.: Providing there is no actual gap between the evacuated portion of the valve and the outside of the glass, the valve will be all right, but if there is a hole in it, the valve has been ruined.

Testing 2UE's Towers

THE site of 2UE's new 4-kilowatt transmitter is at Lilli Pilli, about thirteen miles from Sydney. When the towers were erected, a motor-lorry, loaded with gravel, was raised by ropes and suspended in mid-air to test the resistance of the towers. The experiment moved the towers only a fraction of an inch.

WHAT PIX DOES FOR USERS IT WILL DO FOR YOU

"REPLACES VARIABLE CONDENSER."

October 11, 1932.

"Allow me to thank you for the Pix forwarded in place of the old type fitting forwarded you. The new one is, without doubt, an improvement. In the past I have been using the Variable Condenser, but the Pix can take its place."
(Sgd.) J.M.A., 113 Dyers Pass Rd., Christchurch.

"SEPARATES 1ZR, 2ZW, 1ZJ AND AUSTRALIAN."

October 8, 1932.

"My set is a cheap A.C. and very poor on selectivity on the higher frequencies, it being usual to get 1ZR, 2ZW, 1ZJ and an Australian at the same time. Therefore, you can imagine my surprise and pleasure to find, on using the Pix, that I could separate these Stations entirely with little loss of volume."

(Sgd.) J.C.B., Motumaoho, Waikato.

"VERY PLEASED, A GREAT IMPROVEMENT."

October 15, 1932.

"I have had a Pix demonstrated on my machine by a friend, and am very pleased with the result. I would be very pleased if you would forward me one of your Pix at your earliest convenience. I think it is a great improvement to the machine."

(Sgd.) A.W.A., Auckland.
"Kindly send me two more Pixes. I am so pleased I am giving two of my friends one." (Sgd.) F.J.M., Auckland.

PIX Prevents Interference



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INCREASE the range and selectivity of your set. Put this neat 3-in-1 gadget in your aerial. Cut out those powerful local stations that literally "swamp" your set, and bring in loud and clear those elusive stations you've always wanted. OVER 400,000 PIX USERS ALL OVER THE WORLD. Tried and proved by hundreds of delighted New Zealand listeners, and endorsed by "New Zealand Radio Times."

AWAY WITH WAVE TRAPS

and other complicated gadgets for cutting out powerful and local stations. Just fix a PIX in the aerial lead-in wire—so simple and yet so efficient. No tuning knobs, coils or plugs. The results will amaze you. There has been nothing like it before. It is a veritable masterpiece of ingenuity and a revolutionary idea.

A PERFECT VOLUME CONTROL

If you have a multi-valve set and the volume is too great for the ordinary room and detuning causes distortion or duel programmes, fix a PIX, and you can control the volume down to a whisper without distortion. The amazing success of the PIX has been entirely due to its efficiency, and because it does all we have claimed.

Clip a PIX

to your set, wall or window ledge, etc., if desired, with this handy, extra fitting. Ready mounted on drilled insulated base, with screws. Although not essential to efficient operation of the PIX, makes tuning easier and provides a neater method of fitting.

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Enclosed is Postal Note for 3/6, for which send me, Post Free, one British-made PIX with complete directions for installing and operating.
Enclosed is Postal Note for 5/- for PIX and special fitting attachment (as illustrated).

Name

Address

Programmes for Week ending Nov. 6

IYA AUCKLAND 820 kc.
Sunday 30.

2.0: Selected recordings.

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

7.0: Relay of Service from Salvation Army Citadel, conducted by Adjutant S. Bridge.

Concert Programme.

8.30 (approx.): Relay of Concert from Whangarei by Whangarei Municipal Silver Band (Conductor, Mr. Albert Dobson, L.A.B., L.T.C.L.).

March, The Band, "Wairarapa" (Trussell).

Song, Miss J. Mackay, "The Pipes of Pan" (Monckton).

Selection, Ces. Wright's Novelty Orchestra, "Popular Melodies."

Elocution, Mrs. T. J. Griffin, "Vegetarians" (Una O'Connor).

Selection, The Band, "William Tell" (Rossini).

Song, Hugh Parker, "When the Sergeant Major's on Parade" (Longstaffe).

Piano, Albert Dobson, "Rigoletto—Paraphrase" (Liszt).

Song, Madam N. Dobson, "L'ete" (Chaminade).

Selection, The Band, "Classic Gems" (W. Rimmer).

Elocution, Mrs. T. J. Griffin, "Honesty" (Original).

Song, A. D. S. Cameron, "She is Far from the Land" (F. Lambert).

Cornet, Bandsman A. Leatherby, "Jack in the Box" (Greenwood).

Selection, Ces. Wright's Novelty Orchestra, "More Popular Melodies."

March, The Band, "On to Victory" (Thornton).

2YA WELLINGTON 720 kc.
Sunday 30.

2.0 to 4.30: Selected recordings.

6.0: Children's Song Service, conducted by Uncle George, assisted by Children's Choir from Miramar Presbyterian Church.

IYA AUCKLAND 820 kc.
Monday 31.

10.0: Devotional service.

10.15: Selected recordings.

11.0: Talk.

11.15: Selected recordings.

12.0: Lunch music.

2.0: Selected recordings.

5.0: Children, by Jill.

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 (Myers). Grand Symphony Orchestra, "Hungarian Dances," Nos. 5 and 6 (Brahms). Stanley MacDonald (organ), "The Rosary" (Nevin).

6.25: The London Orchestra, "Valse Memories" (arr. Somers). Albert W. Ketelbey's Orchestra, "Cockney Suite" (Ketelbey): (1) A State Procession, (2) The Cockney Lover, (3) At the Palace de Dance, (4) Elegy, (5) Bank Holiday.

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

Sunday

Church Services: IYA, 7 p.m.—Salvation Army, conducted by Adjutant S. Bridge.

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

3YA, 7 p.m.—Trinity Congregational Church. Preacher, Rev. W. Gardner Miller.

4YA, 6.30 p.m.—St. Andrew's Church of Christ. Preacher, Pastor W. D. More.

After Church Concerts: IYA, Relay of concert from Whangarei by Whangarei Municipal Silver Band (8.30 p.m.)

2YA, "A Musical Pilgrimage—With Song and Story Through the South of England."

3YA, Relay of Programme from 4YA, Dunedin.

4YA, Leech Lyric Club Choir, and 4YA Orchestra.

7.0: Relay of Service from St. Gerard's Redemptorist Church, Hawker Street, Wellington.

Concert Programme.

(Relayed to 2ZD, Masterton.)

8.15 (approx.): "A Musical Pilgrimage—With Song and Story through the South of England."

3YA CHRISTCHURCH 980 kc.
Sunday 30.

2.0: Selected recordings.

5.30: Song Service by children of Congregational Sunday Schools.

6.15: Selected recordings.

7.0: Relay of service from Trinity Congregational Church, Worcester St. Preacher: Rev. D. Gardner Miller.

Concert Programme.

8.15 (approx.) Relay of programme of 4YA, Dunedin.

4YA DUNEDIN. 650 kc.
Sunday 30.

2.0: Selected recordings.

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

6.15: Selected recordings.

6.30: Relay of service from St. Andrew Street Church. Preacher: Pastor W. D. More.

Concert Programme.

7.45: Selected recordings.

8.15: Recording, Band of H.M. Coldstream Guards, "Americana" (Thurban).

8.23: Chorus, Leech Lyric Club Choir (Conductor, John T. Leech), "Gloria" from Twelfth Mass (Mozart).

8.27: Selection, The Orchestra, "Yeoman of the Guard" (Sullivan).

8.33: Spiritual, Ruth Sell and choir, "Deep River" (Traditional). Baritone, Wm. Ruffell, "Non plu Andrae" (Mozart).

Monday

Evening Talks: "Principles of Export Trading" (No. 1)—Mr. Edward Cortis. IYA, 7.30.

"Your Eyesight"—Representative of Institute of Opticians of New Zealand. 2YA, 7.40.

"Social and Economic Relations in Mediaeval England"—Dr. Winifred Haward (W.E.A.). 3YA, 7.30.

"Foreign Affairs"—Mr. L. J. Cronin. 4YA, 9.2 p.m.

Features: IYA, Relay of wrestling from Town Hall.
2YA, Madame Annette Chapman (mezzo-soprano), with 2YA Concert Orchestra.

3YA, Derry's Military Band.

4YA, Selected recordings, featuring "Artistry in Opposite Sexes."

6.47: R.B.C. Wireless Symphony Orchestra, "Il Trovatore" Selection (Verdi). Dajos Bela Orchestra, "Casino Tanza" Waltz (Gungl).

7.0: News and reports.

7.30: Talk, Edward Cortis, "Principles of Export Trading," No. 1.

8.0: Relay from Auckland Town Hall of Wrestling Matches held under auspices of New Zealand Wrestling Association.

8.40: Recording, Cello, Gaspar Casado, "Humoreske" (Dvorak).

8.43: Selection, The Orchestra, "Lilae Time" (Schubert-Clutsum).

8.49: Part Songs, The Choir, (a) "The Last Rose of Summer"; (b) "Hearts of Oak" (Trdtl.).

8.54: March, The Band, "March Militaire" (Schubert).

8.57: Chorus, The Choir, "Three Fishers" (Hullah).

9.0: Weather report and notices.

9.2: Recording, Carlisle Street Stephen's Band, "The Exile" (Weaver).

9.5: Chorus, The Troubadours, "Come Where My Love Lies Dreaming" (Foster).

9.9: Overture, The Orchestra, "Orpheus in the Underworld" (Offenbach).

9.17: Solo and Chorus, Ladies' Choir, "Fairies' Chorus" (German). Contralto, Iris Wakelin, "Bye and Bye" (Trdtl.).

9.24: Recording, Organ, Reginald Foort, "The Vision of Fuji San" (Ketelbey).

9.28: Tenor, J. T. Leech, (a) "Thou'rt Like a Lovely Flower" (Schumann) (b) "On With The Motley" (Leoncavallo).

9.34: Selection, The Orchestra, "Hungarian Dance No. 5" (Brahms).

9.39: Soprano, Iris Clark, "When Song is Sweet" (Sans-Souci).

9.34: Recording, Piano, Elsie Hall, (a) "Toccata" (Paradies) (b) "Etude No. 5, op. 149" (Mayer); (c) "Allegro in G Minor" (Handel); (d) "Bagatelle in D" (Bargiel).

9.40: Bass, J. Ferguson, "A Hundred Fathoms Deep" (Jude).

9.55: Recording, Polydor String Orchestra, (a) "Gipsies Camp" (Oscheit); (b) "At the Camp-fire" (Siede).

2YB NEW PLYMOUTH 1230 kc.
Sunday 30.

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.

2YA WELLINGTON 720 kc.
Monday 31.

10.0: Selected recordings.

10.30: Devotional service.

11.12: Lecturette, "Cooking."

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

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by Uncle John.

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). Quentin MacLean (organ), "Little Dolly Daydream" (Stuart). Halle Orchestra, "Rosamunde Ballet Music" (Schubert): (1) "Andantino," (2) "Allegro Moderato and Andante."

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

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

7.0: News and reports.

7.40: Lecturette, Representative, Institute of Opticians of New Zealand, "Your Eyesight."

Concert Programme.

8.0: Overture, The Orchestra, "Coriolanus" (Beethoven).

8.8: Recording (Baritone), Stuart Robertson, "Bright is the Ring of Words," "The Roadside Fire" (Williams).

8.14: Instrumental, The Orchestra, "Caprice" (Moszkowski).

8.19: Recording (Choral), The Salisbury Singers, "When for the World's Repose" (Earl of Mornington). Recording (Oboe), Leon Goossens, "Gavotte" (Rameau).

8.25: Mezzo-soprano, Madame Annette Chapman, "Serenade" (Schubert); "Wienlied" (Brahms).

8.32: Recording (Actual Nightingales and Canaries with Orchestra), Karl Reich's Aviary, "Tres Jolie" (Waldteufel). Recording (Tenor), John McCormack, "Bird Songs at Eventide" (Coates).

8.38: Instrumental, The Orchestra, "Ballet Russe" (Luigini): (1) "Introduction," (2) "Valse Lente," (3) "Scene," (4) "March Russe."

8.50: Recording (Male Voices), The Revellers, "Wake Up! Chillun, Wake Up" (Robison); "Plodding Along" (Robison).

8.56: Instrumental, The Orchestra, "Hungarian Dance No. 2" (Brahms).

9.0: Weather report and notices.
9.2: Clement May, "Stories by the Way" (arr. May).

9.17: Selection, The Orchestra, "Thais" (Massenet).

9.27: Recording (Baritone), Alexander Carmichael, "Oor Ain Glen" (MacLeod). Recording (Organ), Paul Mania, "Japanese Doll Game" (Yoshitomo).

9.33: Mezzo-soprano, Madame Annette Chapman, "Dreary Steppe" (Grechaninov); "Obstinat" (Fontenailles); "Chanson Indoue" (Belaieff).

9.43: Recording (Humour), Milton Hayes, "The Meanderings of Monty"; "Is China Worth Going To?" (Hayes).

9.49: Selection, The Orchestra, "The Cat and the Fiddle" (Kern).

10.0: Dance programme.

3YA CHRISTCHURCH 980 kc.
Monday 31.

10.0: Devotional service.

10.15: Selected recordings.

11.0: Talk, Miss M. G. Havelaar, "Things Antique."

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by "Uncle John."

Dinner Music.

6.0: Milan Symphony Orchestra, "Mignon—Overture" (Thomas). Organ Solo.

Jesse Crawford, "Serenade" (Romberg). New Symphony Orchestra, "Pastoral Dance from 'Nell Gwynn'" (German). 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 Danseuse" (Von Blon). A. and P. Gypsies Orchestra, "My Memories."

6.34: The Salon Orchestra, "Chinese Lullaby" (Bowers). Orchestra Mascotte, "The Girl in the Taxi—Waltz" (Pétras). 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). A. and P. Gypsies Orchestra, "Bohemian Romance."

7.0: News and reports.

7.30: W.E.A. Session: Dr. Winifred Haward, "Social and Economic Relations in Mediaeval England."

Concert Programme.

8.0: Derry's Military Band (Conductor, Mr. H. Gladstone Hill), "Raymond" (Thomas).

8.10: Recording, The Jolly Old Fellows, "Dug-Out Ditties" (War time songs medley).

8.16: Recording, Marek Weber and His Orchestra, "Marching Song" (Benatzky).

8.19: Recording, Baritone, Dennis Noble, "The Old Brigade" (Barri).

8.22: Serenade, The Band, "Sizilietta" (Von Blon).

8.28: Soprano, Mrs. Nola Commons, "A Heart That's Free" (Robyn); "I Know Not Why" (Bingham).

8.31: Recording, Jack Hylton and His Orchestra, "Tommies War-time Memories."

8.34: Bass, W. J. Richards, "To the Front" (Adams); "The Blue Dragoons" (Russell).

8.41: Humour, Jas. Laurenson, "The Taranaki Lad" (a country lad in a military camp) (Laurenson).

8.51: Musicale, The Band, "Sanctuary of the Heart" (Ketelbey).

8.58: Recording, Billy Cotton and His Band, "The Soldier Blew His Bugle" (Malvern).

9.1: Weather forecast and notices.

9.3: Reserved.

9.18: March, The Band, "Kalgoorlie" (Ord Hume).

9.23: Recording, Bass, Malcolm McEachern, "The Changing of the Guard" (Flotsam and Jetsam).

9.26: Soprano, Mrs. Nola Commons, "Carmena" (Lane Wilson); "To Sing a While" (Drummond).

9.31: Recording, Dol Daubers' Orchestra, "Cupid's Army" (Ibanez).

9.34: Recording, Bass, Robert Easton, "If Ever I Meet the Sergeant" (Benett).

9.37: Recording, Sandy Macfarlane, "Sergeant Jock McPhee" (Macfarlane).

9.40: March, The Band, "The Durhams" (Douglas).

9.45: Baritone, Harry Dearth, "The Drum Major" (Newton).

9.49: Recording, Jack Hylton and His Orchestra, "Songs of the Officers' Mess."

9.53: Bass, W. J. Richards, "The Company Sergeant-Major" (Sanderson).

9.56: Recording (Sketch), Tommy Handley and Company, "The Disorderly Room" (Blare).

10.7: Intermezzo, The Band, "Hypatia" (Ord Hume).

4YA DUNEDIN. 650 kc.
Monday 31.

10.0: Selected recordings.

10.15: Devotional service.

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

12.0: Lunch music.

2.0: Selected recordings.

3.15: Lecturette, Ida Deyereux, "Treatment and Care of the Feet."

3.30 and 4.30: Sports results.

5.0: Children, by Uncle Jack.

Dinner Music.

6.0: Grand Symphony Orchestra, "Rakoczy" Overture (Keler Bela). London Theatre Orchestra, "Maid of the Mountains" Selection (Fraser-Simson). Ketelbey's Concert Orchestra, "The Clock and the Dresden Figures" (Ketelbey).

6.19: Royal Opera Orchestra, "Faust" Ballet Music, 1st and 4th Movements (Gounod). Cordoba Philharmonic Orchestra, "Carnival" (Lucena). Victoria Orchestra, "La Serenata" Waltz (Metra).

6.43: J. H. Squires Celeste Octet, "Memories of Mendelssohn." H. G. Amers and Eastbourne Municipal Orchestra, "Second Serenata" (Toselli, arr. Gagli). Dajos Bela Orchestra, "Fantasia Orientale" (Lange). Band, I.M. Grenadier Guards Band, "Martial Moments" March Medley (arr. Winter).

7.0: News and reports.

Concert Programme.

8.0: Recordings, featuring "Artistry in Opposite Sexes." Part 1, "The Masculine Gender." Selection, Court Symphony Orchestra, "The Yeomen of the Guard" (Sullivan).

8.9: Baritone, Fraser Gange, "The Two Grenadiers" (Schumann).

8.13: Piccolos, Jean and Pierre Gennin, "The Merry Brothers" (Gennin).

8.17: Humour, Milton Hayes, "The Meanderings of Monty" (Is China Worth Going To?) (Hayes).

8.23: Selection, Debroy Somers Band, "A Jolly Miller."

8.31: Chorus, Don Cossacks Choir, "Dance Song"; "Song of the Cossacks" (Traditional).

8.35: Piano, Frederic Lamond, "The Erl King" (Schubert-Liszt).

8.39: Tenor, Francis Russell, "The Steersman's Song" (Wagner).

8.43: March, Band of H.M. Coldstream Guards, "El Capitan" (Souza).

8.46: Violin, Albert Sammons, "The Devil's Trill" (Tartini).

8.52: Duet, Stuart Robertson and John Turner, "A Sailor's Philosophy" (Byng).

8.56: Selection, Court Symphony Orchestra, "H.M.S. Pinafore" (Sullivan).

9.0: Weather report and notices.

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

Part 2, "The Feminine Gender."

9.17: Waltzes, Lily Gyones and her 20 "Hungaria Girls," "Wine, Women and Song"; "Blue Danube" (Strauss).

9.25: Soprano, Amelita Galli-Curci, "Lo! Here the Gentle Lark" (Bishop).

9.30: Harp, Mildred Dilling, "At the Spring" (Zabel).

9.34: Selection, The Gipsy Girls, "Hungarian Dances," Nos. 5 and 6 (Brahms).

9.40: Humour, Wish Wynne, "Cinderella" (Wynne).

9.46: Instrumental Trio, Edith Lorand, "After the Ball" (Harris).

9.50: Contralto, Marie Morrissey, "Without Thee" (D'Hardelot).

9.54: Violin, Yelii D'Aranyi, "Sous-venir" (Drdla).

9.57: Selection, Edith Lorand Orchestra, "O, Maiden, My Maiden" (Lehar).

10.0: Dance music.



STEWART-WARNER real, REAL tone is so amazingly natural that the listener is never conscious of it.

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IYA

AUCKLAND

820 kc.
Tuesday 1.

Tuesday

- 10.0: Devotional service.
10.15: Selected recordings.
11.0: Talk, "Health."
11.15: Selected recordings.
12.0: Lunch music.
2.0: Selected recordings.
5.0: Children, by Uncle Dave.

Dinner Music.

6.0: San Francisco Symphony Orchestra, "Coppelia Ballet—Automatons' Dance" (Delibes). International Novelty Orchestra, "Four Little Fauns Waltz, A. and P. Gypsies Orchestra, "Herbertiana" (Stone).

6.13: Orchestra Symphonique de Paris, "L'Arlesienne" (Incidental Music), Prelude—Overture Act. 1 (Bizet). Court Symphony Orchestra, "The Gondoliers" Selection (Sullivan). Pavilion Lescaut Tango Orchestra, "In a Little Cafe" Tango (Neibach).

6.29: Poltronieri String Quartet, "Canzonetta from 'Quartet in E'" (Mendelssohn; Op. 12, No. 1). Grand Symphony Orchestra, "The Great Eysler" Pot-pourri (arr. Hruby). Stanley Macdonald (organ), "Was it a Dream?" (Coslovo).

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

7.0: News and reports.

7.35: Talk, Mr. Hammond, "Town Planning" (Series No. 3), "Regional Planning."

Concert Programme.

(Relay to 12H, Hamilton.)

5.0: Willen Mengelberg and His Concertgebouw Orchestra, "Sinfonia" (J. C. Bach).

8.0: Choral, The Don Cossacks Choir, "Signal March of the Cavalry" (Kolotin); "The Imprisoned Cossacks" (Nistchensky).

8.17: Piano, Ethel Leginska, "Impromptu No. 3 in B Flat" (Schubert).

8.25: Soprano, Dora Labbette, "Should He Upbraid" (Bishop).

8.29: Xylophone, George H. Green, "Charlestown Capers" (Green).

8.32: Monologue, Milton Hayes, "Is China Worth Going To?" "Is China Worth Leaving?" (Hayes).

8.38: Instrumental Quartet, The Kneale Kelly Quartet, "Sing Me to Sleep" (Greene).

8.41: Whistling, Carson J. Robson, "Tree Top Serenade" (Robson).

8.44: Vocal Quartet, Miriam Licette, Muriel Brunskill, Heddie Nash and Dennis Noble, "Fairest Daughter of the Graces" (Verdi).

8.48: Cello, Lauri Kennedy, "Cradle Song" (Brahms).

8.52: Tenor, Francis Russell, "Steersman's Song" (Wagner).

8.56: Debroy Somers Band, "Ballads We Love" (arr. Somers).

9.0: Weather forecast and notices.

9.2: Talk, Captain R. H. Neil, "Arabs."

9.22: Scherzo, The Halle Orchestra, "Queen Mab" (Berlioz).

9.30: Baritone and Chorus, Raymond Newell, "Polly-Wolly-Doodle"; "Widdicombe Fair" (Traditional).

9.36: Clarinet, Boyd Senter, "Prickley Heat" (Russell).

9.39: Yodelling, The Alpine Yodelling Choir, "Alpine Frolics" (Hoffmann).

9.42: Humour, Helena Millais, "Our Lizzie Listens In" (Millais).

9.45: Orchestra, Ilja Lischakoff Orchestra, "Afternoon Tea with Robert Stolz."

Evening Talks:

"Regional Planning"—Town planning talk—Mr. Hammond. IYA, 7.35.
"Arabs"—Capt. R. H. Neil. IYA, 9.2.

"For the Man on the Land," agricultural talk. 2YA, 7.40.
"Famous British Trials—The Baccarat Case"—Mr. C. A. L. Treadwell. 2YA, 8.30.

"Biographies, Travels, etc."—Mr. E. J. Bell, Librarian, Christchurch Public Library. 3YA, 7.30.

"Tourist Resorts"—Mr. R. W. Marshall. 3YA, 7.45.

"Plans of Reconstruction" (final of series), (W.E.A. session)—Mr. Kemnitz. 4YA, 7.30.

9.51: Soprano, Dora Labbette, "When Daisies Fled" (Arne).

9.56: March, Polydor Brass Band Orchestra, "Piccard's Flight" (Heussen).

10.0: Dance programme.

2YA WELLINGTON 720 kc.
Tuesday 1.

10.0: Selected recordings.

10.30: Devotional service.

11.12: Lecturette, "Fabrics and Fashions."

12.0: Lunch music.

2.0: Educational session.

3.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by "Jumbo."

Dinner Music.

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

6.15: Emil Velazco, "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 and His Orchestra, "Voices of Spring" (Strauss). John Barbirolli's Chamber Orchestra, "A Little Night Music" (Mozart). Marek Weber and His Orchestra, "Blonde or Brunette" (Waldteufel).

7.0: News and reports.

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

Concert Programme.

(Relay to 2ZD, Masterton.)

8.0: Overture, Frank Crowther's Novelty Orchestra, "On With the Show 1930" (arr. Debroy Somers).

8.10: Recording, Shannon Male Quartet, "On the Banks of the Wabash Far Away" (Dresser). Recording (Humour), Charles Penrose, "The Laughing Sneezing Man" (Penrose).

8.16: Recording (Yodel), Frieda Zehuder, "The Jolly Dairy Maid" (Zehuder).

8.19: Xylophone, S. Bernard, "Bouncing Ball" (Bernard). Waltz, Novelty Orchestra, "Paradise" (Brown). Air de Ballet, "The Butterflies' Ball" (Higgin).

8.30: Lecturette, C. A. L. Treadwell, "Famous British Trials—The Baccarat Case."

8.45: Quickstep, Novelty Orchestra, "Love, You Funny Thing" (Ahler). Fox-trot, "Snuggled on Your Shoulder" (Lombardo). One-step, "Valencia" (Padilla).

9.0: Weather report and notices.

9.2: Play, Will Bishop and Company, "The Dumb Wife" (Bishop).

3YA CHRISTCHURCH. 980 kc.
Tuesday 1.

10.0: Devotional service.

10.15: Selected recordings.

11.0: Talk, Miss M. O'Halloran, "Fashions."

11.15: Selected recordings.

11.40: Talk, Millicent Jennings, "Gardens and Gardening."

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by "Uncle Bill."

Dinner Music.

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

6.19: Orchestra Symphonique, "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). National Symphony Orchestra, "Melody in F" (Rubinstein).

7.0: News and reports.

7.30: Talk, E. J. Bell, Librarian Public Library, "Biographies, Travel, etc."

7.45: Talk, R. W. Marshall, "Tourist Resorts."

Concert Programme.

8.0: Recording, Ilja Lischakoff Orchestra, "Die Bubarry" Medley (Pot-pourri), (Mackeben).

8.8: Soprano, Marjory Miller, "My Treasure" (Trevalsa); "Mighty Lak" a Rose" (Nevin).

8.15: Recording, Light Opera Company, Vocal Gems, "Lilac Time" (Cuvillier).

8.19: Recording, St. Hilda Colliery Prize Band, "Hiawatha Ballet Music" (Coleridge Taylor).

8.25: Popular Songs, Rex Sayers, "By the Fireside" (Noble); "Love, You Funny Thing" (Ahler).

8.31: Recording, Orchestra Mascotte, "Hobgoblins' Review" (Noack).

8.35: Soprano, Marjory Miller, "The Sweetest Story Ever Told" (Stults).

8.38: Recording, Alexander and Mose, "In Dark Subjects" (Bennett).

8.44: Bloy's Banjo Band, Cake Walk—"Coon Band Contest" (Pryor); "Irish Selection" (arr. Bloy); "Musical Comedy Numbers"; "Popular Songs."

9.3: Weather forecast and notices.

9.5: Reserved.

9.20: Popular Songs, Rex Sayers, "Lady of Spain" (Evans); "Let's Do It, Let's Fall in Love" (Porter).

9.26: Recording, The New Mayfair Orchestra, "This Year of Grace" Selection (Coward).

9.30: Dance music.

4YA DUNEDIN. 650 kc.
Tuesday 1.

10.0: Selected recordings.

10.15: Devotional service.

10.45: Lecturette, "Fire Prevention in the Home."

12.0: Lunch music.

2.0: Selected recordings.

3.15: Lecturette, S. B. Sinclair, "Beauty Culture."

3.30 and 4.30: Sports results.

5.0: Children, by Wendy and Aunt Leonore.

Dinner Music.

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

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

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

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

7.0: News and reports.

7.30: W.E.A. Session—Mr. Kemnitz—"Plans of Reconstruction" (final of series).

Concert Programme.

8.0: Thirty minutes of Recordings.

8.30: March, St. Kilda Band (Jas. Dixon, conductor), "Wide Awake" (Young). Waltz, St. Kilda Band "Destiny" (Baynes).

8.41: Philharmonic Four, "The Song of Fionnuala" (arr. Bantock).

8.44: Recital, Lester F. Moller, "How to Live a Hundred Years" (McGill).

8.49: Selection, The Band, "Gems of Italian Opera" (Rimmer).

9.0: Weather report and notices.

9.2: Reserved.

9.17: Quartette, Philharmonic Four, "Summer Song" (Schumann).

9.20: Intermezzo, The Band, "Bells of Onseley" (Hume).

9.28: Baritone, F. Mortley Peake, "Sea Fever" (Ireland); "Sea Gypsy" (Wilby).

9.34: Recital, Lester F. Moller, "Dick Turpin's Ride to York" (Noyes).

9.37: Quartette, Philharmonic Four "The Wanderer's Night Song" (Wartensee); "The Red Sun is Sinking" (Leslie).

9.43: Overture, The Band, "Semiramide" (Rossini).

9.53: Contralto, Maud Kenward, "Fisher Lad" (Day); "Turn Once Again" (Giordani).

9.58: March. The Band, "Victory" (Jones).

1YA AUCKLAND 820 kc.
Wednesday 2.

10 a.m.: Devotional service.
10.15: Selected recordings.
11.0: Talk.
11.15: Selected recordings.
12.0: Lunch music.
2.0: Selected recordings.
5.0: Children, by Uncle Reg.

Dinner Music.

6.0: International Novelty Orchestra, "Carmen Sylva" Waltz (Ivanovici). Orchestre Symphonique de Paris, "L'Arlesienne Suite Entr'acte—Le Cuisine de Castelet" (Bizet). Grand Symphony Orchestra, "Dance of the Waves" (Catalini). 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, "Florodora" Selection (Stuart). Zonophone Salon Orchestra, "Eleanor" (Zeppen). Vienna Philharmonic Orchestra, "Dorfschwalben" Waltz.

6.43: Edward O'Henry, "Dream Lover" (Schertzing). 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.

7.30: Talk (W.E.A.), G. B. Bell, B.E., B.Sc., "Watchers of the Skies" Series—

Wednesday

Evening Talks: "Astronomical Knowledge of the Ancients"—Mr. G. B. Bell, B.E., B.Sc. (W.E.A.). 1YA, 7.30.

"The North-West Frontier"—Captain R. R. B. Falcon. 1YA, 9.2.
Talk on "Tennis" by representative of Wellington Lawn Tennis Association. 2YA, 7.40.

Addington Stock Market Report. 3YA, 7.30.

Review of "Journal of Agriculture"—Mr. L. W. McCaskill. 4YA, 7.15.

Features: 1YA. Madame Annette Chapman (mezzo-soprano), in two recitals (8.30 and 9.17).

2YA. Relay from Opera House, Palmerston North, of musical comedy "The Girls of Gottenberg."

3YA. Christchurch Broadcasting Trio: Frances Hamerton, soprano.

4YA. Dunedin Glee Singers: De Rose Concert Orchestra.

"The Astronomical Knowledge of the Ancients."

Concert Programme.

8.0: Selected recordings.

8.30: Mezzo-soprano, Madame Annette Chapman, "Tres Giorni" (Pergolesi); "Alleluja" (Mozart); "May Night" (Brahms).

8.41: Recording, Bournemouth Municipal Orchestra, "Raindrops" (de la Riviere).

8.41: Piano Recital, Eva Stern, "Elcho" (Bach); "Waltz A Flat" (Chopin).

8.53: Record, Don Cossacks Choir, "Two Old Wedding Songs" (Gretschaninoff).

8.57: Record, Lever String Quartette, "Prelude, No. 6" (Chopin).

9.0: Weather forecast and notices.

9.2: Talk, Captain R. R. B. Falcon, "The North-West Frontier."

9.17: Mezzo-Soprano, Madame Annette Chapman, "The Trout" (Schubert); "Harvest of Sorrow" (Rachmaninoff).

9.24: Piano, Eva Stern, "Pastorale Variee" (Mozart); "Seguidilla" (Castilian Dance), (Albeniz).

9.32: Dance music.

2YA WELLINGTON 720 kc.
Wednesday 2.

10 a.m.: Selected recordings.

10.30: Devotional service.

11.37: Lecturette, "Hollywood Affairs."

12.0: Relay from Palmerston North—Opening of the Royal Agricultural Show by his Excellency the Governor-General, Lord Bledisloe.

12.30: Lunch music.

2 p.m.: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by Aunt Molly.

Dinner Music.

6.0: Sandor Jozzi Orchestra, "Marionettes' Wedding March" (Rathie). Berlin State Opera House Orchestra, "The Magic Flute" (Mozart). Albert W. Ketelbey's Concert Orchestra, "Bells Across the Meadows" (Ketelbey).

6.13: Frank Westfield's Orchestra, "Our Miss Gibbs" (Monckton). Victoria Orchestra, "Espanita" Waltz (Rosey). Dajos Bela Orchestra, "Mosaic" Potpourri (Zimmer).

6.31: Orchestra Mascotte with Dajos Bela, "The Flower's Dream" (Translateur). Berlin State Opera House Orchestra, "Slavonic Dance" (Dvorak). Sir Henry J. Wood's Symphony Orchestra, "Volga Boat Song" (arr. Wood).

6.45: Symphony Orchestra, "When the Lemons Bloom" (Strauss). Herman Finck and his Orchestra, "Melodious Memories" (arr. Finck).

7.0: News and reports.

7.40: Lecturette, representative, Wellington Lawn Tennis Association, "Tennis."

Concert Programme.

8.0: Relay from Opera House, Palmerston North—Musical Comedy, "The Girls of Gottenberg," by Palmerston North Amateur Operatic Society.

3YA CHRISTCHURCH 930 kc.
Wednesday 2.

10.0: Devotional service.

10.15: Selected recordings.

11.30, Talk, C. G. Pegg (Physiologist), "Food."

12.0: Lunch music.

2.0: Selected recordings.

3.30 and 4.30: Sports results.
5.0: Children, by "Uncle Jim."

Dinner Music.

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

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

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.

7.30: Addington stock market reports.

Concert Programme.

8.0: Recording, members of La Scala Orchestra, Milan, "The Daughter of the Regiment" (Donizetti).

8.10: Recording, Tenor, Miguel Villabella with Chorus and Orchestra, "Tis Morning" (from "Faust"), (Gounod).

8.14: Christchurch Broadcasting Trio, "Melodie" (Moskowski); "Waltz" (Scott); "Gavotte" (Sinding).

8.22: Soprano, Frances Hamerton, "April Children" (Carey); "The Garden Wind" (Fenner); "My Heart is Like a Singing Bird" (Parry).

8.29: Recording, Members of Berlin State Opera Orchestra, "Serenade for 13 Wind Instruments," No. 10 in B Flat Major Largo and Allegro-molto (Mozart).

8.37: Recording, Mezzo-soprano, Marguerite D'Alvarez, "By the Ramparts of Seville" (Bizet).

8.40: Violin and Piano, Thelma Cusack and Maisie Otter, Sonata for Violin and Piano, "Allegro Ben Moderato"; "Allegro" (Franck).

8.50: Bass-Baritone, Malcolm J. Miller, "Shepherd! See Thy Horse's Foaming Mane" (Korhay); "The Linden Tree" (Schubert).

8.55: Christchurch Broadcasting Trio, "At the Brook" (Boisdeffre); "Serenade" (Franck).

9.1: Weather forecast and notices.

9.3: Reserved.

9.18: Recording, Milan Symphony Orchestra, "Force of Destiny" (Verdi).

9.26: Soprano, Frances Hamerton, "Till Rock You to Rest" (Stanford); "The Violet" (Scarlatti).

9.30: Violin and Piano, Thelma Cusack and Maisie Otter, Sonata for Violin and Piano (Franck); "Recitative—Fantasia"; "Allegretto—Poco mosso."

9.40: Christchurch Broadcasting Trio, "Once Upon a Time" (Lind); "Nocturne" (Widor); "Bolero" (Azbos).

9.50: Bass-Baritone, Malcolm J. Miller, "Vulcan's Song" (with instrumental trio), (Gounod).

9.53: Recording, Edith Lorand and her Viennese Orchestra, "L'Africana" (Meyerbeer).

10.1: Dance music.

4YA DUNEDIN. 650 kc.
Wednesday 2.

10.0: Selected recordings.

10.15: Devotional service.

10.45: Lecturette, "Pot Plants and Their Cultivation."

12.0: Lunch music.



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2.0: Selected recordings.
3.15: Lecturette—Home Science Department, "Ideas on Thrift."
3.30 and 4.30: Sports results.
5.0: Children, by Aunt Gretchen, and Big Brother Bill.

Dinner Music.

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

6.10: Royal Music Makers, "Ah, Sweet Mystery of Life" (Herbert). Dajos Bela Orchestra, "Viennese Life" Waltz (Translatour). Opera Comique Orchestra, "The Scrothintsi 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 Biljo's Balalaika Orchestra, "The Wide Dnieper" (Ukrainian Medley). Piccadilly Orchestra, "Souvenir di Capri" (Beece). 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's Orchestra, "Siren Magic" Waltz (Waldteufel). Columbia Symphony Orchestra, "The Flatterer" (Chaminade). De Groot and Orchestra, "Zinetta" (Gehl).

7.0: News and reports.
7.15: Talk, L. W. McCaskill, "Review of N.Z. Journal of Agriculture."

Concert Programme.

8.0: Overture, The Orchestra, "Maquador" (de Rose).

8.12: Part song, The Dunedin Glee Singers, (a) "Softly Fall the Shades of Evening" (Hatton); (b) "The Land of the Leal" (arr. Gladhill).

8.18: Recording: Piano, Harold Bauer, "Etude" in E Flat (Liszt).

8.22: Selection, The Concert Orchestra, "Maritana" (Wallace).

8.34: Madrigal and Part Song, The Dunedin Glee Singers, "Now is the Month of Maying" (Morley); "The Bluebird" (Stanford).

8.41: Recording, Elman String Quartet, "The Emperor Quartet" (Haydn).

8.49: Ladies voices, The Dunedin Glee Singers, "God is My Shepherd" (Schubert).

8.52: Selections, The Concert Orchestra, (a) "Andante from Cello Concerto" (Goltermann); (b) "Serenade Espagnole" (Albeniz).

9.0: Weather report and notices.

9.2: Reserved.

9.17: Recording, Massed Military Bands, "The Gladiator's Farewell" (Blankenburg).

9.21: Part songs, The Dunedin Glee Singers, (a) "Orpheus With His Lute" (McFarren); (b) "Golden Slumbers" (Trtl.).

9.28: Fantasia, The Concert Orchestra, "Aida" (Verdi).

9.41: Madrigal and Part Song, The Dunedin Glee Singers, "Flow, O My Tears" (Benett); "Gipsy Love Song" (Herbert).

9.49: Recording: Flute, John Amadio, "Finale from Flute Concerto" (Mozart).

9.52: Selections, The Concert Orchestra, (a) "Reverie Interrompue"; (b) "Danse Russe" (Tschalkowsky).

2YB NEW PLYMOUTH 1230 kc.
Wednesday 2.

6.30 to 7.30: Children's session, conducted by Uncle Ted and Aunt Betty.
8.0 to 10.0: Studio concert.

Thursday

Evening Talks: "The Imperial Conferences of 1926 and 1930"—Mr. L. K. Munro, L.D.M. (W.E.A.).

1YA, 7.30.

Summary of day's play in New Zealand Golf Championship Tournament—Mr. H. A. Black. 2YA, 7.25 p.m.

"Education To-day and To-morrow: Nationalism and Education"—Mr. A. E. Campbell, M.A., Dip. Ed. (W.E.A.). 2YA, 7.30.

Review of Journal of Agriculture. 3YA, 7.30.

"Whither Germany?"—Mr. L. E. Webb, M.A.

"The Rambles of a Story Writer"—Miss Edith Howes. 4YA, 9.2.

Features: 1YA. Madame Annette Chapman, mezzo-soprano (8.31 and 9.35): Mr. J. M. Clarke in elocutionary numbers.

2YA. Relay from Town Hall of Concert by Wellington Symphony Orchestra.

3YA. Selected recordings.

4YA. Presentation of Schumann's Song Cycle, "Dichterliebe," by Mr. G. W. Johnstone and Miss Rona Thompson (pianist).

1YA AUCKLAND 820 kc.
Thursday 3.

10.0: Devotional Service.

10.15: Selected recordings.

11.0: Talk, "Domestic 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.

3.25: Selected recordings.

5.0: Children, by Skipper.

Dinner Music.

6.0: London Palladium Orchestra, "Classical Selection" (arr. Ewing). Jacques Jacobs, "Wiener Blut" Waltz (Strauss). Paul Whiteman and his Concert Orchestra, "Caprice Futuristic" (Malneck).

6.17: Albert Sandler and His Orchestra, "For You Alone" (Geehl). London Symphony Orchestra, "Khovantchina" (Persian Dances (Moussorgsky), Instrumental Trio—Fritz Kreisler, Hugo Kreisler and M. Raucheisen, "Syncopation" (Kreisler).

6.27: Dajos Bela Orchestra, "The Grenadiers" Waltz (Waldteufel). Berlin State Opera House Orchestra, "Academic Festival" Overture (Brahms). J. H. Squire Celeste Octet, "On Wings of Song" (Mendelssohn). Gil Dech Ensemble, "Italian Nights" (Roberts).

6.45: Organ, Stanley Macdonald, "La Rosita" (Dupont). La Scala Orchestra, "The Secret of Susanna—Overture" (Wolf-Ferrari). National Symphony Orchestra, "The Irish Washerwoman." Royal Opera Orchestra, "Naila" Waltz (Delibes arr. Dopler). Opera Comique Orchestra, "Gopak" (Moussorgsky).

7.0: News and reports.

7.30: Talk (W.E.A.), L. K. Munro, L.L.M., "The New Constitution of the British Empire" series—"The Imperial Conference of 1926 and 1930."

Concert Programme.

8.0: Overture (Record), The B.B.C. Wireless Military Band, "The Jolly Robbers" (Suppe).

8.9: Baritone, Barry Coney, "Oh, Thou Palermo" (Verdi).

8.13: Violin (Record), Edith Lorand, "Dance Espagnole" (Kreisler).

8.17: Suite, The Orchestra, "English Scenes" (Bantock).

8.25: Male Quartet (Record), De Reszke Singers, "My Lady Chlo" (Leighter).

8.31: Mezzo-soprano, Madame Chapman, (a) "Ach Mein Sohn" (Meyerbeer); (b) "The Petticoat" (Trunk); (c) "Death and the Maiden" (Schubert).

8.42: Piano (record), Marcelle Meyer, "Navarra" (Albeniz).

8.46: Elocution, J. M. Clark, (a) "Jim"; (b) "In the Tunnel" (Bret Harte).

8.52: Record, Band of H.M. Grenadier Guards, "Fantasia on 17th Century Music" (arr. Miller).

9.0: Weather Forecast and Notices.

9.2: Reserved.

9.17: Entrance, The Orchestra, "Sweet Briar," "Merry Nigger" (Squire).

9.24: Baritone, Barry Coney, (a) "Silent Noon" (Williams); (b) "The Fortune Hunter" (Willeby).

9.31: Violin (record), Jan. Kubelik, "Dudziarz Mazurka" (Wieniawski).

9.35: Mezzo-soprano, Madame Annette Chapman (with Orchestra), (a) "Danza Danza" (Durante); (b) "Habanera" (Bizet).

9.41: Instrumental Trio (record), Cherniavsky, "Scherzo" (Beethoven).

9.44: Elocution, J. M. Clark, "The Blacksmith's Story" (Anon).

9.50: Choral (record), Royal Opera Chorus and Orchestra, "Din Don" (Leoncavallo).

9.53: The Orchestra, "Old and New" Potpourri (Finck).

2YA WELLINGTON 720 kc.
Thursday 3.

10.0: Selected recordings.

10.30: Devotional service.

10.45: Lecturette, "Cooking by Electricity."

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

12.0: Lunch music.

2.0: Selected recordings.

3.15: Lecturette, Talk prepared by the Home Science Extension Department of the Otago University.

3.30 and 4.30: Sports results.

5.0: Children, by Big Brother Jack.

Dinner Music.

6.0: Barnabas von Gezy and His Orchestra, "Strauss Waltz Medley" (Strauss). Berlin State Opera House Orchestra, "Aida" Selection (Verdi). Edith Lorand Orchestra, "Minuet" (Boccherini).

6.19: New Concert Orchestra, "Nights of Fragrance" (Ziehrer). New Queen's Hall Light Orchestra, "Summer Days" Suite (Coates): (1) "In a Country Lane," (2) "On the Edge of the Lake," (3) "At the Dance."

6.33: Berlin State Opera House Orchestra, "La Traviata" Prelude (Verdi); H.M. Air Force Band, "The Nightingale and the Frogs" (Eilenberg). London Theatre Orchestra, "Frederica" Selection (Lehar).

6.40: J. H. Squire Celeste Octet, "Collette" Valse (Fraser-Simson). Columbia Symphony Orchestra, "Idilio" (Lack). International Novelty Orchestra, "Love Sends a Little Gift of Roses" (Openshaw).

7.0: News and reports.

7.25: H. A. Black, Daily Summary of N.Z. Golf Championship Tournament.

7.30: W.E.A. Session, A. E. Campbell, M.A., Dip. Ed., "Education To-day and To-morrow—Nationalism and Education."

Concert Programme.

(Relay to 2ZD, Masterton.)

8.0: Relay from Town Hall of Concert by Wellington Symphony Orchestra, under Conductorship of Mr. Leon de Mauny. Overture, "The Magic Flute" (Mozart). "Air on the G String" (Bach). "Symphony No. 5 in C Minor" (Beethoven).

Weather report and notices.

Overture, "Euryanthe" (Weber).

Soprano, Christina Ormiston, Aria, "The Jewel Song" (Gounod).

Selection, "Valse Triste" (Sibelius).

Suite, "La Boutique Fantasque" (Rossini-Respighi): (1) "Danse Cosaque," (2) "Nocturne," (3) "Mazurka," (4) "Tarentelle," (5) "Valse Lente," (6) "Can-Can," (7) "Galop."

3YA CHRISTCHURCH 980 kc.
Thursday 3.

10.0: Devotional service.

10.15: Selected recordings.

11.0: Talk, Mrs. Helen Milligan, "New Zealand Speech."

12.0: Lunch music.

2.0: Selected recordings.

3.15: Home Science Talk, prepared by Home Science Extension Service of Otago University.

3.30 and 4.30: Sports results.

5.0: Children, by Ladybird and Uncle Dick.

Dinner Music.

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

6.14: Regal Cinema Orchestra, "Sally" Selection (Kern). Miniature Concert Orchestra, "Yesterthoughts" (Herbert).

Grand Symphony Orchestra, "Slavonic Rhapsody" (Friedemann).

6.32: Eastbourne Municipal Orchestra, "Silhouettes" (Arensky); (a) "Introduction" (b) "La Coquette." 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).



John T. Leech,

who has a very pleasant tenor voice, will give two solos from 4YA, "Thou'rt Like a Lovely Flower," and "On With the Motley," on Sunday, October 30

—Zenith, photo.

7.0: News and reports.

7.30: Review of Journal of Agriculture.

Concert Programme.

8.0: Overture, Dame Ethel Smythe, conducting British Symphony Orchestra, "The Wreckers" (Smythe).

8.10: Mixed Chorus, "Songs of Ireland."

8.14: Organ, Reginald Foort, "The Vision of Fuji San" (Kettelbey); "The Majesty of Fuji San," (b) "The Lone Vision," (c) "Dance of Jap Actors."

8.18: Soprano and Baritone, Winnie Melville and Derek Oldham with Orchestra, "Sympathy" (from "Chocolate Soldier" (Strauss).

8.22: Piano, Walter Giese King, "Suite Bergamasque" (Debussy): (a) "Prelude," (b) "Minuet."

8.30: Baritone, Harry Dearth, "A Sergeant of the Line" (Squire).

8.34: Debroy Somers Band, "Classical Memories" (Ewing).

8.42: Contralto, Sophie Braslau, "Just a-Wearyin' for You" (Jacobs-Bond).

8.45: Whistling, J. B. Phillips, "The Whistler and His Dog" (Pryor).

8.48: Dialogue, John Henry and Blossom, "Joe Murgatroyd's Letter" (Henry).

8.54: Overture, Berlin State Opera House Orchestra, "Morning, Noon and Night" (Suppe).

9.0: Weather forecast and notices.

9.2: Mr. L. E. Webb, M.A., "Whittier Germany?"

9.17: Columbia Symphony Orchestra, "Grand March" ("Aida") (Verdi).

9.21: Soprano, Toti dal Monte, "O, Guilding Star of Love" (in Italian) (Donizetti).

9.25: Orchestra de l'Association des Concerts Lamoureux, Paris, "Tarantelle" (Cui).

9.29: Vocal duet, Mmes. Virse and Ershova, introductory remarks by M. Baillieff, "Grief."

9.32: Xylophone, Victor Sterling, "Colonel Bogey" March (Alford).

9.35: Dramatic Recital, Bransby Williams, "Scrooge" (from "A Christmas Carol") (Dickens): (a) "Before the Dream," (b) "The Dream," (c) "The Awakening."

9.51: Comedians, The Happiness Boys with Orchestra, "Sergeant Flagg and Sergeant Quirt" (Klein-Moll).

9.54: Orchestra Association des Concerts Lamoureux, "Espana" (Rhapsody) (Chabrier).

4YA DUNEDIN. 650 kc.
Thursday 3.

10.0: Selected recordings.

10.15: Devotional service.

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

12.0: Lunch music.

2.0: Selected recordings.

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

3.30 and 4.30: Sports results.

5.0: Children, by Big Brother Bill.

Dinner Music.

6.0: Percy Pitt and Augmented Symphony Orchestra, "Poet and Peasant" Overture (Suppe). Quentin McLean, "Lily of Laguna" (Stuart). Menorah Symphony Orchestra, "Bar Kochba" Selection (Goldfaden).

6.19: New Queen's Hall Orchestra, "Carmen" Ballet Music, Act 4 (Bizet). Herman Finck and Orchestra, "Offenbachiana" (arr. Finck). B.B.C. Wireless Military Band, "Goliwog'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 Orchestra, "Love's Last Day" (Benatsky).

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.

8.0: Recording, Edith Lorand and Her Viennese Orchestra, "L'Africana" (Meyerbeer).

8.5: Duet, Beatrice Sprosten and G. W. Johnstone, "Twilight" (Nevin).

8.8: Recording, The Halle Orchestra, "Rosamunde Ballet Music" (Nos. 1 and 2) (Schubert).

8.15: Presentation of Schumann's Song Cycle: "Dichterliebe" (Schumann). By G. W. Johnstone, baritone, and Rona Thompson.

9.0: Weather report and notices.

9.2: Talk, Edith Howes, "The Rambles of a Story Writer" (second of series).

9.17: Contralto, Beatrice Sprosten, "I Love Thee" (Grieg).

9.21: Recording, Band of H.M. Grenadier Guards, "La Benediction des Poignards" (Meyerbeer).

9.25: Duet, G. W. Johnstone and Beatrice Sprosten, "Cahn, Silent Night" (Bohm).

9.30: Dance music.

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IYA AUCKLAND 820 kc.
Friday 4.

- 10.0: Devotional service.
10.15: Selected recordings.
11.0: Talk, "Home Industries."
11.15: Selected recordings.
12.0: Lunch music.
2.0: Selected recordings.
5.0: Children, by Aunt Jean and Ned.

Dinner Music.

- 6.0: Philadelphia Symphony Orchestra, "Danse Orientale" (Glazounoff). Herman Finck and His Orchestra, "Gaiety Echoes" (Monckton). Dajos Bela Orchestra, "Delirien—Waltz" (Strauss). Marek Weber's Orchestra, "Coeur Brise" (Gillet). San Francisco Symphony Orchestra, "Caprice Viennois" (Kreisler).
6.22: G. T. Pattman, "Cherie" Waltz (Valentine). J. H. Squire Celeste Octet, "Everybody's Melodies" (arr. J. H. Squire). De Groot (violin), David Bor (piano), H. M. Calve (cello), "El Regigario" (Padilla).
6.36: The Royal Opera Orchestra, Covent Garden, "Eugen Onegin" Waltz (Tschalkowsky). Bernardo Gallico and His Orchestra, "The Clock is Playing" (Blesuw). Pavilion Lescant Orchestra, "Clog Dance" (Petras).
6.46: Bournemouth Municipal Orchestra, "Don Giovanni" Act 1, Minuet (Mozart). Baie da Costa Ensemble, "Funny Face" Selection (Gershwin). National Symphony Orchestra, "Turkey in the Straw."
7.0: News and reports.
7.30: Sports talk.

Concert Programme.

(Relay to 12H, Hamilton).

- 8.0: Recording (Overture), Band of the 55th Battery (N.S.W. Rifles), "Coriolanus" (Jenkins).
8.7: Baritone, James Hutton, "The Fishermen of England" (Phillips); "When Shadows Gather" (Marshall).
8.14: Recording (Humour), Helena Millais, "Our Lizzie Gets a Gramophone" (Millais).
8.17: Alf. Healy's Winter Garden Orchestra, "Sailing on the Robert E. Lee" (McCaffrey); "Prisoner of Love" (Columbo); "Good-night Vienna" (Ponsford).
8.26: Contralto, Mrs. K. A. Price, "The Carpet" (Sanderson); "Tommy Lad" (Margetson).
8.32: Saxophone Quartet, Healy's Orchestra, "Rigoletto" (arr. Lee).
8.36: Recording (Humour), Will Kings, "Bertram Addresses the Tenants" (Rutherford).
8.40: Organ, Arthur E. Wilson, "Suite Gothique": (1) "Introduction—Choral"; (2) "Menuet Gothique"; (3) "Priere a

Friday

- Evening Talks:** Sports Talk. IYA, 7.30.
"Byways of New Zealand Story"—Mr. A. B. Chappell, M.A. IYA, 9.2.
Summary of day's play in New Zealand Golf Championship Tournament—Mr. H. A. Black. 2YA, 7.30.
"My Favourite Poet: Bracken"—Hon. Mr. R. McCallum, M.L.C. 2YA, 9.2.
"The Animal and the Plant"—Mr. J. J. S. Cornes, B.A., B.Sc. (W.E.A.). 3YA, 7.30.
"Control of Distribution"—Mr. Lloyd Ross, M.A. (W.E.A.). 4YA, 7.30.
"The Customs of Hallowe'en"—Mr. W. B. McKeown, Dunedin City Librarian. 4YA, 9.2 p.m.

- Features:** IYA. Organ recital by Mr. A. E. Wilson, at 8.40.
2YA. Selected recordings, and 2YA Concert Orchestra.
3YA. Salon Orchestra, and George Titchener in humorous numbers.
4YA. Humorous sketches by Miss E. M. Holland and Mr. D. E. Dall.

- Notre-Dame"; (4) "Toccata" (Boellmann). "Humoresque" (Dvorak).
9.0: Weather forecast and notices.
9.2: Talk, A. B. Chappell, "Byways of New Zealand Story."

- 9.17: Piano, Healy's Orchestra, "Whistling Waltz" (Evans); "Nola" (Arndt); "Jo Anne" (Ward).
9.26: Baritone, James Hutton, "Tae Sea Gypsy" (Head).
9.30: Recording (Mouth-organ), Eddie Bowers, "Here Comes the Band."
9.36: Healy's Orchestra, "Auf Wiedersehn" (Hoffmann); "Somebody Loves You" (Rose); "By the Fireside" (Connolly).
9.45: Recording (Whistler), J. P. Phillips, "Blaze Away March" (Holzmann). The Four Voices, "When You Wore a Gingham Gown" (Gilbert).
9.51: Mrs. K. A. Price, "When Rooks Fly Homeward" (Rowley); "My Prayer" (Squire).
9.57: Recording. (March), Foden's Motor Works Band, "The Cossack" (Rimmer).

2YA WELLINGTON 720 kc.
Friday 4.

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

Dinner Music.

- 6.0: Milan Symphony Orchestra, "Semiramide Overture" (Rossini). Orchestre Symphonique de Paris, "L'Arlesienne Suite"—Adagietto (Bizet). The Parlophone Salon Orchestra, "A Lover in Damascus" (Woodforde-Finden).
6.21: Dajos Bela Orchestra, "Dynamiden" Waltz (Strauss). Halle Orchestra, "Capriccio Espagnole" (Rimsky-Korsakov). London Symphony Orchestra, "Chanson de Marin" (Elgar).
6.42: Albert W. Ketelbey's Concert Orchestra, "By the Blue Hawaiian Waters" (Ketelbey). Major Bowes Capitol Theatre Trio, "My Isle of Golden Dreams" (Blaufuss). Berlin State Opera House Orchestra, "From Foreign Parts" (Spain and Hungary) (Moszkowski).
7.0: News and reports.
7.30: H. A. Black, "Daily Summary New Zealand Golf Championship Tournament."

Concert Programme.

- 8.0: Overture, The Orchestra, "Poet and Peasant" (Suppe).
8.8: Twenty minutes of selected recordings.
8.28: Selection, The Orchestra, "Helen" (Offenbach).
8.38: Selected recordings.
9.0: Weather report and notices.
9.2: Lecturette, Hon. R. McCallum, M.L.C., "My Favourite Poet—Bracken."
9.17: Valse, The Orchestra, "Souviens Toi" (Waldteufel); "Three Spanish Dances" (Moszkowski).
9.30: Dance programme.

3YA CHRISTCHURCH 980 kc.
Friday 4.

- 10.0: Devotional service.
10.15: Selected recordings.
11.0: Talk, Miss A. R. Powell, B.Sc., "Cooking—An Art."
11.15: Selected recordings.
12.0: Lunch music.
2.0: Selected recordings.
3.30 and 4.30: Sports results.
5.0: Children, by "Friday."

Dinner Music.

- 6.0: Berlin Philharmonic Orchestra, "Grand March" from "Tannhauser" (Wagner). Vienna Philharmonic Orchestra, "Il Seraglio" Overture (Mozart). F. Rowland-Tims (organ), "Melody" (Dawes). Victor Salon Orchestra, "The World is Waiting for the Sunrise" (Lockhart).
6.13: Mayfair Orchestra, "Nights of Gladness—Waltz" (Ancliffe). Regal Cinema Orchestra, "A Musical Jig-Saw" (arr. Aston). The Royal Opera, Covent Garden, "Berceuse" (Jarnefeldt).
6.31: Paul Whiteman and His Orchestra, "Song of India" (Rimsky-Korsakov). J. H. Squire's Celeste Octet, "Two Eyes of Grey" (McGeoch). Jack Hylton and His Orchestra, "When the White Elder Tree Blooms Again" (Doelle). Dajos Bela Orchestra, "The Zarewitsch—Potpourri" (Lehar). Paul Whiteman and His Orchestra, "Liebestraum" (Liszt).
6.52: Poltronieri String Quartet, "Allegro Con Brio" (Boccherini). International Novelty Quartet, "Stephanie—Gavotte" (Czibulka).
7.0: News and reports.
7.30: W.E.A. Session: J. J. S. Cornes, B.A., B.Sc., "The Animal and the Plant."

Concert Programme.

- 8.0: Christchurch Salon Orchestra (Conductor, Francis E. Bate), "Iolanthe" (Sullivan).
8.11: Tenor, L. C. Quane, "Flutes of Arcady" (James); "Linden Lea" (Williams).
8.17: Salon Orchestra, "Je Sais Que Vous Etes Jolie" (Christine).
8.20: Mezzo-soprano, Mrs. Evelyn Barley, "Lament of Isis" (Bantock); "The Wind Speaks" (Schaefer).
8.24: Humour in Song and Story, Geo. Titchener, "The Ladies' Darling" (George Ellis).
8.30: Selected recordings.
9.0: Weather forecast and notices.
9.2: Reserved.
9.17: Selection, Salon Orchestra, "A Day in Paris" (Finck).
9.26: Tenor, L. C. Quane, "The Sea Gypsy" (Willeby); "Youth" (Allitsen).
9.31: Salon Orchestra, "Canzonetta" (Godard).
9.36: Mezzo-soprano, Mrs. Evelyn Barley, "The Two Magicians" (Curran); "Leetle Bateeste" (O'Hara).
9.43: Recording (Organ), Reginald Foort, "The Riff Song"; "The Desert Song" (Romberg).
9.49: Humour in Song and Story, Geo. Titchener, "Back Numbers" (Frank Dale).
9.54: Salon Orchestra, Foxtrots, "In the Garden of To-morrow" (Detten); "Tambourine Dance" (Dunhill).

4YA DUNEDIN. 650 kc.
Friday 4.

- 10.0: Selected recordings.
10.15: Devotional service.
10.45: Lecturette, Miss I. Finlay, "Cooking and Recipes."
12.0: Lunch music.
2.0: Selected recordings.
3.15: Lecturette, Doris Haworth, "Interior Decoration."
3.30 and 4.30: Sports results.
5.0: Children, by Aunt Sheila.

Dinner Music.

- 6.0: Milan Symphony Orchestra, "Masaniello" Overture (Auber). Marek Weber and Orchestra, "My Dream" Waltz (Waldteufel). New Mayfair Orchestra, "Follow Through" Selection (De Sylva).
6.18: Kirilloff's Balalaika Orchestra, "Medley of Old Time Songs." Dajos Bela Orchestra, "Electric Girl" (Holmes). Dajos Bela Orchestra, "Faust" Waltz (Gounod). Terence Casey, "Bird Songs at Eventide" (Coates).
6.34: De Groot and Piccadilly Orchestra, "If Only I Had You" (Davies). Novelty Orchestra, "Midnight Bells" (Heuberger). Edith Lorand Orchestra, "Toreador and Andalous" (Rubinstein). Fritz Kreisler, Hugo Kreisler, and M. Raucheisen, "Marche Miniature—Viennoise" (Kreisler).
6.47: Plaza Theatre Orchestra, "The Busy Bee" (Bendix). Regimental Band of H.M. Grenadier Guards, "The Turkish Patrol" (Michaelis). Eddie Thomas' Collegians, "The Missouri Waltz."
7.0: News and reports.
7.30: W.E.A. Session, Lloyd Ross, M.A.: "Control of Distribution."

Concert Programme.

- 8.0: Recording, Debroy Somers' Band, "The Desert Song" (Romberg).
8.9: Popular Melodies by the Melodians.
8.17: Selection, The de Rose Octet, "Old Dutch" (Herbert).
8.27: Humorous Sketch, Miss E. M. Holland and D. E. Dall, "The Reason Why" (Paine).

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8.36: Selection, The Octet, "The Student Prince" (Romberg).

8.47: Contralto, Iris Wakelin, (a) "Love's Old Sweet Song" (Molloy); (b) "Ma Curly-Headed Baby" (Clutsam).

8.54: Recording: Banjo, Olly Oakley, (a) "Camptown Carnival"; (b) "Nigger Town" (Morley).

9.4: Weather report and notices.

9.2: Talk, W. B. McEwan, Dunedin City Librarian, "The Customs of Hallowe'en."

9.17: Selection, The Octet, "Wonderland" (Herbert).

9.27: Popular Melodies by the Melodians.

9.35: Humorous Sketch, Miss E. M. Holland and D. E. Dall, "Alfred Edward Collins" (Pertwee).

9.45: Selection, The Octet, "Rio Rita" (Tierney).

9.54: Contralto, Iris Wakelin, (a) "Deep River"; (b) "Were You There" (Trdtl.).

9.59: Recording, Band of H.M. Grenadier Guards, "Dunedin" (Alford).

5.0: Children, by Aunt Molly and Uncle Jasper.

Dinner Music.

6.0: Grand Symphony Orchestra, "Lustspiel" Overture (Kela Bela). J. H. Squire Celeste Octet, "Twilight on the Waters" (Squire). Dajos Bela Orchestra, "I Pagliacci" (Leoncavallo).

6.14: Orchestra Mascotte, "Hobgoblins' Review" (Noack). Dajos Bela Orchestra, "Viennese Waltz Pot-pourri" (Robrecht). Milan Symphony Orchestra, "La Maschere—Sinfonia" (Mascagni).

6.32: Grand Symphony Orchestra, "Naila" Ballet Intermezzo (Delibes). Sir Henry J. Wood's Symphony Orchestra, "Prelude in C Sharp Minor" (Rachmaninoff). The State Opera Orchestra, "Kamarinskaja" (Fantasia on two Russian Folk Songs) (Glinka). La Argentina, Castanets, with Orchestra, "Danse No. 5" (Granados).

6.48: Orchestre Symphonique de Paris, "L'Arlesienne Suite"—Entr'acte—Le Carillon (Bizet). J. H. Squire Celeste Octet, "The Chorister's Dream" (Ward). H.M. Oldstream Guards Band, "The Belle of New York" (Kerker).

7.0: News and reports.

7.25: H. A. Black, Daily Summary of N.Z. Golf Championship Tournament.

7.30: W.E.A. Session, Professor P. W. Robertson, "Science and Civilisation—The Future."

8.5: Recording (Male Voices), The Revellers, "When Yuba Plays the Rumba on the Tuba" (Hupfield); "Dancing in the Dark" (Schwartz).

8.11: Soprano, Kathleen Ferris, "Villanelle" (Del Acqua); "Was it a Dream?" (Addy Britt).

8.17: Valse, The Orchestra, "Dancing Nights" (Coates).

8.22: Recording (Humour), Gracie Fields, "Rochdale Hounds" (Cliffe). Recording (Vocal Duet), The Duncan Sisters, "Hoosier Hop" (Macdonald).

8.28: Suite, The Orchestra, "Americana" (Thurban): (1) March, "The Tiger's Tail"; (2) Serenade, "When Malindy Sings"; (3) Sketch, "The Water-Melon Fete".

8.38: Soprano, Kathleen Ferris, "Penny Piper" (Forsyth); "My Hero" (Strauss).

8.44: Recording (Banjo), Gabriel Lordy, "Down South" (Myddleton).

8.47: Entertainer at the Piano, Will Bishop.

9.0: Weather report and notices.

9.2: Old-time Dance Programme by 2YA Concert Orchestra and selected recordings.

10.0: Sporting summary.

10.10: Continuation of Old-time Dance Programme.

3YA CHRISTCHURCH 980 kc.
Saturday 5.

12.0: Description of Races from Canterbury Jockey Club's Summer Meeting at Riccarton.

Saturday

Evening Talks: "Roses"—Mr. N. J. R. Cutler. 1YA, 7.30.
Summary of day's play in New Zealand Golf Championship Tournament—Mr. H. A. Black. 2YA, 7.25.
"Science and Civilisation: The Future"—Professor P. W. Robertson (W.E.A.). 2YA, 7.30.
"The Ottawa Conference"—Mr. F. L. Hutchinson. 3YA, 7.30.

Sporting Broadcasts 1YA, 11.30 a.m.—Relay from Ellerslie Racecourse, Auckland Racing Club's Meeting.
3YA, 12 noon. Relay: Canterbury Jockey Club's Meeting at Riccarton.

Features: 1YA. Light popular programme by 1YA artists.
2YA. Old-time dance programme by 2YA Concert Orchestra.
3YA. Relay of programme from 4YA, Dunedin.
4YA. Relay from His Majesty's Theatre of Hallowe'en, under the auspices of the Dunedin Burns' Club.

1YA AUCKLAND 820 kc.
Saturday 5.

11.30: Description of events held under auspices of Auckland Racing Club.
5.0: Children, by Cinderella.

Dinner Music.

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

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

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

6.50: Lucerne Kursaal Orchestra, "Dance of the Flowers" (Delibes). Orchestra Mascotte, "Woodland Joys"—a Novelty Waltz (Lindstrom).

7.0: News and reports.

7.30: Horticultural Talk: "Roses," (N. J. R. Cutler).

Concert Programme.

8.0: Selection (record), Band of H.M. Coldstream Guards, "Dorothy" (Cellier).

8.9: Orpheus Quartet, "May-Day" (Muller). Baritone, E. M. Newling, "Devonshire Cream and Cider" (Sander-son).

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

8.26: Humour (record), Chas. Penrose and Bryan Glennie, "The Dog v. the Cornet" (Grey).

8.29: Bohemian Duo, (a) "Annie Laurie" (Scott); (b) "Alabama Coon" (Star).

8.36: Orchestra, "Serenata" (Sander-son); "Danse Africaine" (Ganne).

8.44: Humour (record), John Henry, "John Henry in Paris" (Henry).

8.50: Contralto, Cathleen Mulqueen, "The Enchantress" (Hatton). Orpheus Quartet "Dreaming" (Schumann).

8.57: March (record), International Staff Band of the Salvation Army, "In the Firing Line" (Coles).

9.0: Weather forecast and notices.

9.2: Reserved.

9.17: Orchestra, (a) "Love Sonnet" (Herbert); (b) "Turkish Patrol" (Michaels).

9.24: Duet, Freda Evans and Sid Poffley, "Deep in My Heart" (Romberg). Orpheus Quartet, "Gavotte" (Thomas).

9.31: Comedy (record), Gracie Fields, "Song of the Highway" (May).

9.37: Bohemian Duo, "The Mocking Bird Went Cuckoo" (Melvern).

9.41: Piano Duet (record), Victor Arden and Phil Ohman, "Fashionette" (King).

9.44: Orpheus Quartet, "Goodnight Beloved" (Pinsuti).

9.48: Comedy (record), Charles Penrose, "The Laughing Sneezing Man" (Penrose).

9.51: Orchestra, "Waltzes from Vienna" (Strauss).

10.0: Sports Summary.

10.1: Dance music.

2YA WELLINGTON 720 kc.
Saturday 5.

3.0: Selected recordings.
3.30 and 4.30: Sports results.

Concert Programme.

(Relay to 2ZD, Masterton.)

8.0: March, The Orchestra, "The Iron Trail" (Smith).



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AGENTS WANTED.

5.0: Children, by Aunt Pat.

Dinner Music.

6.0: New Mayfair Orchestra, "Folly to be Wise" Selection. Band of H.M. Coldstream Guards, "Selection of Wilfred Sanderson's Songs." Orchestra Mascotte, "Mimosa Waltz" (Jones).

6.15: Organ, John Hassel, "By the Waters of Minnetonka" (Lieurance). Miniature Concert Orchestra, "Punchinello" (Herbert). Debroy Somers Band, "Stealing Thro' the Classics No. 1—The Masters" (arr. Somers).

6.30: Dr. Ormandy Instrumental Trio, "From the Land of the Sky-Blue Water" (Cadman). Marek Weber and His Orchestra, Fantasia on the Song "Long, Long Ago" (Dittlich). Orchestra Mascotte, "Love Bells" Waltz (Benatzky). De Groot and the Piccadilly Orchestra, "Charmaine" (Rapee-Pollack). New Light Symphony Orchestra, "Spanish Dance No. 3" (Granados).

6.47: J. H. Squire Octet, "The Butterfly" (Bendix). New Mayfair Orchestra, "Blue Roses" Selection (Ellis). Winter Garden Orchestra, "Storm Galop" (Komzak).

7.0: News and reports.

7.30: Talk (under auspices of Canterbury Manufacturers' Association), "Ottawa Conference," by F. L. Hutchinson.

8.0: Relay of programme from 4YA, Dunedin.

10.0: News summary.

10.10: Dance music.

4YA DUNEDIN. 650 kc. Saturday 5.

3.0: Selected recordings.

3.30 and 4.30: Sports results.

5.0: Children, by Aunt Anita.

Dinner Music.

6.0: Columbia Symphony Orchestra, "March of the Bojaren" (Halvorsen). New Light Symphony Orchestra, "The Merry Wives of Windsor" Overture (Nicolai). J. H. Squire Celeste Octet, "Poem" (Fibich).

6.15: Herman Finck and Orchestra, "Melodious Memories" (arr. Finck). Plaza Theatre Orchestra, "Pearl o' Mine" (Fletcher). Marek Weber and Orchestra, "Old Vienna"—Gems from Lanner's Waltzes (Lanner, arr. Kremser). Menorah Symphony Orchestra, "Shulamith" Selection (Goldfaden).

6.36: G. T. Pattman, "Alice, Where Art Thou?" (Traditional). B.B.C. Wireless Military Band, "Dance of the Tumblers" (Rimsky-Korsakov). Victor Olof Salon Orchestra, "Callirhoe" (Chaminade). Ketelbey's Concert Orchestra, "Wedgwood Blue" (Ketelbey). J. H. Squire Celeste Octet, "The Pickaninies Picnic" (Squire).

7.0: News and reports.

Concert Programme.

8.0: Relay from His Majesty's Theatre of "Hallowe'en," under the auspices of the Dunedin Burns Club.

10.0: Sports summary.

10.10: Dance music.

2YB NEW PLYMOUTH 1230 kc. Saturday 5.

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

8.0 to 10.0: Studio concert.

10.0: Sports summary.

A PROPOSAL is afoot for a 49-metre station at Poona, in the Bombay Presidency of India, to broadcast to the village in the sub-continent. The receivers are to be placed in ferro-concrete "pill-boxes," and will be for community service.

PRIVATE STATION PROGRAMMES

2ZW Notes

ON Thursday, the 27th inst., the general committee of the 2ZW Radio Club will present the first of a series of club nights at Station 2ZW. The entertainment on this occasion will be of an historical nature, the performing artists including many who are not usually heard over the air, and listeners are promised an entertainment of an unusual type. The first portion of the programme will comprise classical numbers, to be followed by varied items of a lighter nature, and the club has arranged for its own announcer.

LISTENERS will be interested to learn that Aunt Joan, who recently underwent a slight operation to her throat, is now well on the way to recovery, and hopes to be back at the studio on Wednesday, 26th inst.

MISS DORA WEST, O.B.E., original secretary of the League of Nations Union and later on the Downing Street staff, will give a talk on "Personalities and Powers" on Saturday, 29th inst. Miss West is an interesting speaker, and this talk, which will embrace many of the world's most famous personalities, will be well worth listening to.

THE National Electrical and Engineering Co., Ltd., Customhouse Quay, Wellington, has arranged for a series of musical programmes of particular interest to womenfolk, which will be broadcast between the hours of 10.30 and 11.30 a.m., commencing on Thursday, 27th inst.

2ZW Programmes

Tuesday, October 25.—7-8.30 a.m.: Smokers' breakfast session. 10: Devotional service. 10.15: Session for womenfolk. 11.45: Pianoforte recordings. 12-2 p.m.: Lunch session. 7: After-dinner music. 7.30: Motoring talk. 8: Weather forecast and station announcements. 8.5: Concert programme. 9.30-10.55: Dance programme.

Wednesday—7-8.30 a.m.: Smokers' special session. 10: Devotional service.

10.15: Session for womenfolk. 11.45: Pianoforte recordings. 12.2 p.m.: Lunch session. 5-6: Children's session, conducted by Uncle Toby and Aunt Joan. 7: After-dinner music. 7.30: Weekly talk on building and constructional matters. 8: Weather forecast and station announcements. 8.5: Tabloid revue by Merry-makers. 9: All-British concert programme. 10-10.55: Dance programme, including relay of Mr. Frank Crowther's Orchestra from the Majestic Lounge.

Thursday—7-8.30 a.m.: Smokers' breakfast session. 10: Devotional service. 10.15: Session for womenfolk. 10.30: Musical programme. 11.45: Pianoforte recordings. 12.2 p.m.: Lunch session. 3: Talk by Miss Madge Thomas, followed by quality musical programme. 3.30-4: Relay of afternoon tea music. 5-6: Children's session, conducted by Ladybird and Uncle Caldie. 7: After-dinner music. 8: Weather forecast and station announcements. 8.5: Special historical programme. 10-10.55: Dance programme.

Friday—7-8.30 a.m.: Smokers' special session. Silent remainder of day.

Saturday—7-8.30 a.m.: Smokers' breakfast session. 10: Devotional service. 10.15: Session for womenfolk. 11.45: Pianoforte recordings. 12.2 p.m.: Lunch session. 7: After-dinner music. 8: Weather forecast and station announcements, together with sporting review. 8.15: (approx.): A brief talk on "Personalities and Powers," by Miss Dora West, O.B.E. 8.30: Popular concert programme. 10-11.55: Dance programme, including a relay by Mr. Frank Crowther's Orchestra from the Majestic Lounge.

Sunday—11-12.15 p.m.: Devotional service by the Padre. 6.30: Eventide session of music. 7: Relay of evensong from St. Paul's Pro-Cathedral, Mulgrave Street, Wellington. 8.15 (approx.): Quality musical programme. 9.55-10: Epilogue.

Monday—7-8.30 a.m.: Smokers' special session. 10: Devotional service. 10.15: Session for womenfolk, including a talk by Mr. Meecham, of St. John's Ambulance. 12-2 p.m.: Lunch session. 7: After-dinner music. 7.30: Talk by Mr. Stilling, N.Z. Representative of Australian Travel Association. 8: Weather forecast and station announcements, followed by a brief talk by Mr. A. W. Hawley. 8.15: Concert programme. 9: Relay of wrestling. 10-10.55: Dance programme.

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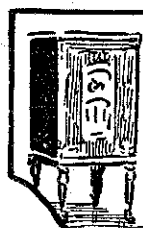
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OF FEMININE INTEREST



By "Patricia"

PART of the educational session of 2YA was taken by Mr. F. R. Callaghan, M.A., who spoke on "How the Government Keeps Our Food Pure." There has been a vast amount of food research undertaken in recent years which has given us knowledge that should help to provide ourselves and children with food best calculated to give health and good resistance to infections. The campaign for pure milk has done marvels for humanity, and as this is perhaps the best food it behoves us to see that it is clean and safe. Much is done for us in the Government laboratories, and the Health Department keeps a very watchful eye upon adulteration. Many of our comestibles may be improved in appearance by the addition of chemicals which are deleterious to bodily health, and in days of severe competition manufacturers are inclined to make the best of food appearance, which if unrestricted would have a harmful effect upon the people. Inspectors are ever on the alert, and samples of food are frequently sent to the laboratories in the four main centres for analysis. Mr. Callaghan gave many instances of prosecutions following exposure of illegal adulteration, and New Zealanders generally should be gratified that the Health Department is able to prevent much unnecessary debilitation through impure foods.

A BRIGHT and varied entertainment was given from 2YA by Mr. Frank Crowther's Novelty Orchestra and the Walata Ladies' Quartet on Tuesday night, the 18th. Two items, however, detracted from this otherwise excellent programme. A xylophone solo, due to the instrument being out of tune, and a recording by Leighton and Johnson which was not musical, neither was it amusing and could well be relegated to the rubbish heap. These two record "so-called" artists of whom we get more than a sufficiency were never tuneful and it is unlikely they ever will be; they are just a bad example of American "alleged" humour, and our B station is to be congratulated on having only a nodding acquaintance with them. Our local artists were in good form, and with the addition of some well selected recordings made up a pleasant evening's entertainment.

THE concluding talk on "Travel" by Miss Havelaar (3YA) on Monday morning was an extremely interesting one in which she described Scotland's National War Memorial. Unlike the Cenotaph in Whitehall which developed from a lath and plaster monument erected for the first anniversary of the Armistice, Scotland's memorial was conceived immediately after the cessation of hostilities, and in order that the intensely patriotic Scot resident throughout the world might be given the opportunity of making the shrine truly national, funds were collected from every part of the world where Scotsmen lived. In the stained-glass windows in the

Hall of Honour are depicted scenes that historically record all phases of the war, and work attendant upon the prosecution of hostilities, such as anti-aircraft defences, Red Cross work, mechanical transport, munition work, aircrafts and various other things. The bronze frieze showing the soldier in his working kit, the nurse in her uniform, the land-girl in her practical garb, the doctor in his gown, and the mercantile marine and auxiliary services is one of the finest historical records of the war in existence and makes the memorial unequalled in any part of the world. I thoroughly enjoyed all Miss Havelaar's travel talks and hope she may be induced to give another series in the near future.

SPEAKING on the activities of the Red Cross in connection with garden plots for the unemployed, Captain Galloway (2YA) gave a dissertation on the blessings to be derived from gardening. The first, he said: "Was that the tired body from such physical exercise, had no better restorative for exhausted nerves"; also there was the joy and exultation in creating something beautiful. Again, there was the

adventure of gardening. This takes one from the narrow rut, and routine of business which is soul-destroying, and finally, there is the tranquility which the gratification of the results of a labour of love gives to the mind."

ALL listeners who enjoy the talks on "Fabrics and Fashions" (2YA), by Mrs. T. W. Lewis, would be glad to hear her on the air again after her brief spell of absence. She has a chatty manner and her advice is always so sensible, that we cannot do better than follow it when choosing our outfits. The early purchaser catches the best models, so before they are all picked over it will be just as well to get ours at once. Most of the tennis frocks worn in England this summer were white but slightly trimmed with colour, blue and red being much used.

WE can acquire quite a fund of film information from Miss Flora Cormack's weekly talks on "Hollywood Affairs" (2YA), but seldom do we hear of other ventures in this realm of entertainment. It may therefore interest my readers to know of a German

woman's film enterprise. This is Lottie Reinengen and her silhouette films. In a world of black paper, scissors, lead foil joints, cameras and hidden white lighting, the whimsical creatures of her imagination come to light. These figures, about six inches in height, cut out in black paper and jointed sometimes as many as thirty times, are put on a horizontal and illuminated white glass ground, above which the camera hangs. When the characters in a burlesque or whatever they are to represent, have been placed in position a photo is taken, then the figures, or rather the limbs and bodies are moved, ever so slightly, and another photo taken, and then another, and so on, with the result that when the film is shown perfectly harmonious movement is obtained.

A MOST vivid picture of the gloom, uncertainty and terror that characterises existence in the United States to-day, is given by Mrs. M. A. Hamilton in her book, "In America To-day." The author admits the danger of generalisation when dealing with a people so diverse, but for years it has been an article of faith with the normal American that America was somehow different from the rest of the world.

Especially has this feeling been shown by those whose ancestors left Europe many years ago and who have looked upon Europe's plight as a natural corollary to older civilisations. The present depression has rocked the foundations of the fundamental hypothesis that America was different.

REPEAL the 18th Amendment (Prohibition) say some; law and order will be restored and peace and prosperity will reign once more. Clean out the grafters and racketeers, say others and give honest labour a chance and industry will recover. Balance the Budget, says Mr. Hoover and we will pull ourselves out of the "Slough of Despond." Rum runners, bootleggers, gangsters, kidnappers, racketeers, Tammany, grafters, corrupt police and magistrates all result from a system which asks a political candidate what his political associations are rather than his qualifications.

THE American people have so long concerned themselves with purely material standards that a general sense of insecurity, a general feeling of having no firm ground under their feet, and no clear sky above their heads, explains a moral defeatism that causes many thoughtful people to look to the future with dread. Mrs. Hamilton does not suggest a remedy, but she draws a vivid picture of the corrupt forces which rule and depress America to-day.

THOSE who go to England usually pay a visit to Kew Gardens, that Paradise of trees and flowers. Strangers to these gardens will now have the

Hints for the Housewife

HORSERADISH sauce added to scrambled eggs or spread on the toast on which poached eggs are placed, gives an excellent flavour. Warm the sauce before using.

Onions will not sprout when stored if the root end is held for a few moments over a flame or singed with a hot iron.

Bacon for boiling will have a better flavour if a dessertspoonful of vinegar is added to the water.

Ammonia should be added to the soapy water in which washleather gloves are washed. A few drops are all that will be necessary, and will keep the gloves perfectly soft.

Delicately scented bath salts can be quite cheaply made at home. Procure one pound or more of soda crystals from the chemist, pour on a little oil of sandalwood, stirring the crystals thoroughly so that all are slightly scented. Next work in a little oil of verbena, oil of lavender, roses or geranium. The crystals can be coloured with a few drops of strong tea, washing blue, or cochineal, a few crystals at a time being put into the plate and the colouring dropped among them. Store in dry glass bottles.

Stale bread will be improved if placed in a steamer over boiling water and allowed to steam slowly for fifteen to twenty minutes. The result will be a very light loaf. This is more effective than reheating in the oven.

Meringue can be prevented from falling in if enough cream of tartar to cover a sixpence is added to the half-beaten eggs. Continue to beat until firm, and bake in the usual way.

Fish roes which have to be par-boiled before being cut up for frying, will not burst if put into a colander and steamed over a pot of boiling water. The same method is useful for cooking vegetables if a steamer is not available. Cover with a saucepan lid.

Fried eggs are less liable to break or stick to the pan if a little flour is added to the frying fat.

Oranges needed for fruit salad or cake can be peeled quickly and easily, removing all the pith, if they are put into the oven for about eight minutes beforehand.

Pears for stewing will be improved by adding a little golden syrup as well as sugar. Cook slowly in a covered jar.

Potatoes can be scraped more easily if they are left for two or three minutes in a little boiling water to which a pinch of soda has been added.

Stale cake may be freshened by wrapping in several thicknesses of grease-proof paper and steaming for half an hour. If the cake is placed in a hot oven for five minutes, after it has been taken off the paper, it is impossible to distinguish it from a newly-baked one.

privilege of seeing the latest additions which the director has provided for his visitors. These consist of some interesting plants which appeal more to the sense of smell than the sense of sight, and whose leaves emit a fragrance of their own. There are pots in the Alpine Plant House which contain plants from all quarters of the globe which have an aroma in their leaves. Some of these are the source of our perfumes, and some are used in medicines.

AN oak tree at Allonville, Bellefosse, in North of France, has reached the age of 1000 years, and is so big that nine men can barely circle it with extended arms. In its trunk are cut two chapels one above the other, in which forty children can stand. A stairway leads round the tree to the upper room.

A RECENT visitor to Moscow was very much attracted by the young girl engineer in charge of the switchboard at the radio station in "The Palace of Labour" in that city. This young girl had complete control of operations for this particular broadcast, and the authorities stated that she was one of the most capable technicians on the staff—never at a loss when anything went wrong, and fully conversant with every technicality of a very important job. Such positions seem particularly suitable to the modern girl, whose scientific knowledge has taken her beyond the realm of domesticity, and it would appear that yet another field has been opened up to the so-called weaker sex.

IN the country districts of Australia and the United States of America many girls have qualified for admission to the select ranks of amateur transmitters, and before many years are passed I think we may expect almost as many girl operators as there are girl guides.

TWO young women in Paris have made it their hobby to take down in shorthand all the talks and commentaries given from a Government Broadcasting Station in Paris. A few hours later the text, neatly typed, is sent to the respective authors. There is also a boy of fifteen years in the Landes Department who has filled 200 copy-book pages with records of what he has picked up on his receiver. This reveals another revolution brought about by radio. Ten years ago the copying out of 100 or even 50 lines was considered punishment.

ALTHOUGH the garden benefits by the daylight saving, one has reasonable ground for complaint that our Australian neighbours have not advanced the clock also, when they broadcast entertainment that attracts the attention of New Zealanders. Half an hour does not seem much, but listening to radio until midnight is something to which we are not accustomed. Last Saturday night I was fortunate enough to hear an announcement that the Australian network programmes were to be cancelled in order that Dame Sybil Thorndyke and her company could broadcast throughout the Commonwealth "The Merchant of Venice" on the following evening. I have not seen Sybil Thorndyke since I was in Eng-

land ten years ago, and the excellent thrill was one that I simply could not miss. Miss Thorndyke has been the leading Shakespearean actress since Ellen Terry and her radio delineation of Portia was one that I shall long remember. I am not aware if the company intends visiting New Zealand on this tour, but if they do it is to be hoped the Broadcasting Board will be able to make arrangements for a Sunday night presentation of some of this talented company's repertoire.

SOME new and seasonal publications have just been received from Ward, Lock and Co. Among them are four books for children which would make ideal Christmas gifts. "The Road to Adventure," by Mary Grant Bruce, is one that will appeal to most boys and girls. The adventure in this story is a circus with which Hugh Russell, the son of a farmer, gets mixed up. The scenes are laid in Australia before motor-cars made their appearance, and when horses played a great part in the

means of transport. Hugh gets many thrilling experiences after joining the circus, and our young readers will get a thrill, too.

"THE Cruise of the Crazy Jane," by Isabel M. Peacocke, is a book that will delight all boys and girls who are fond of the sea and yachting. "The Crazy Jane" is an old motor tub which some New Zealand children used for coasting from one bay to another. While camping on the shores of one of these bays they were surprised by the sudden appearance of a boy who desired the loan of their boat to reach his home further up the coast. Being good-natured children, they agreed to take him, and in doing so became involved in some exciting adventures which keep the reader enthralled from start to finish.

SOMETHING that will interest the small boy is "My Picture Book of Red Indians," by Golden Picture Books. This contains splendid descriptions of the habits and employments of these people in simple language that will be a joy to the small reader. Another book for the Tines is "My Favourite Story Book." This is one of the "Bunny Book" series, and will gladden the heart of any wee girl or boy who is lucky enough to receive this as a Christmas gift.

FOR the adult who wishes for a book of light fiction, I can recommend "Follow the Lady," by W. H. Lane Cranford. This book is full of humour, and would be a welcome addition to one's holiday reading matter. There are many complications which arise from two unexpected visitors, who spend the night at the home of Michael Martindale, and of a baby who is left on the doorstep of this bachelor's residence in the early hours of the morning. The unravelling of this tangle of events makes a good story brimming with fun and humour.

"LOTTERIES and Sweepstakes: An Historical, Legal, and Ethical Survey of their Introduction, Suppression and Re-establishment in the British Isles," by C. l'Estrange Ewen (Heath Cranton), is a book that should intrigue everybody who goes in for these excitements. It is interesting to examine the history of lotteries, and Mr. Ewen has done this on a big scale. There have been other attempts to deal with this subject. A history of English lotteries was written by John Ashton nearly forty years ago, but it omitted much, and these omissions have been filled up by Mr. Ewen in a comprehensive manner not likely to be superseded. Having touched briefly on very ancient lotteries, he deals in turn with English lotteries from 1567, and devotes much space to State lotteries, which were stopped by Act of Parliament in 1823. Legislation, however, was circumvented by art union draws, prize draws, bazaar raffles, newspaper guessing competitions, etc. Mr. Ewen decides that unchecked lotteries may be as harmful as betting, but that little harm can be traced to any lottery or sweepstake organised under sound auspices, and that any evil has been completely outweighed by the benefits derived therefrom. It is as a book of reference and not of ethical deduction, however, that will give this work a place in every library.

Prize Poem Competition

(Conducted by "John O'Dreams")

THE prize of half a guinea in the current competition is awarded to "Linn" for the lovely "Lament," which pulsates with that wistful regret and abiding sense of vanished happiness which, alas, are common to the human heart. Next in order of artistic accomplishment is placed "Merrie's" "To an Unknown Violinist," this being a beautiful and rhythmically phrased expression of response of sensitive spirit to the musician's art.

The poems appearing in the "Radio Record" since the inception of the Poets' Corner have appealed to me as being of such beauty, humanity and charm that for some time past it has been my desire, and that of many other lovers of literature, that they should be available in less impermanent form. This desire is now to take shape in the form of a small volume of the verses selected for publication each fortnight. Particulars of our literary venture will be found on page 23 of this issue, and I hope the readers of and contributors to this column will be as much gratified at this outcome as is John O'Dreams.

From correspondents: I would like to say how much I liked "Szigeti" by "Karakia," who catches the musician's true atmosphere.—Merrie. "I find the Poets' Corner a little oasis: it's something to look forward to every fortnight."—C.A.L. "Some of the prize-winning poems make instant appeal. 'Farewell, my Friend,' 'The Blind Potter,' the 'Blackbird' poem, and others, one is glad to think are going to be published in more lasting form. I would like to see 'Merrie' again a prize-winner."—O.E.H.

"Lost": A harmony of simplicity and childhood in the Wordsworthian manner.

D.P.: "The Story Teller" is a quite lovely example of your talent.

A.D. sends lines anent the shimmering heather, so loved, so mourned, by exiles from Bonnie Scotland, the sentiment being true, but the treatment unoriginal.

"The Blind Artist": Good for a little youthful maiden, but the path of perseverance must be well trodden before a place in the sun is secured. Babe: You wrestle courageously with a big subject, the first verse being the more effective.

A.J.R.: Oh, that 'twere possible to print your fascinating sonnet.

"Fantastic Episode": Highly imaginative, strangely chaotic.

O.M.S.: The elegy to two brave men falls in impressiveness.

C.A.L.: In your work there is always apparent some element that creates interest, but the last two poems miss the mark.

Francis: Say it in prose, or even in slang.



LAMENT

You are not here—though the flame-splashed sky fades to a sombre grey,

You are not here, when the frosty night slips into sullen day;

*You are not here, when the stubborn herd crosses the stones to drink—
You are not here—yet I see you stand tense by the river's brink,
A vibrant shadow of the past—afire with love and joy of living,
Beautiful, alert and gallant-eyed, generous and all forgiving.*

You are not here.—The straying beast sways up the crumbling bank

Oh, you stood guard and held them there, watching them where they drank

*You are not here. Oh, well I know that you have died,
Yet through wet grasses in the sighing rain you press against my side.
You are not here. The new dawns break in glory or in grief,
Yet the slow passing of their ways have brought no comfort or relief.
You are not here. Your amber eyes are locked, and still and cold,
Yet through my sleep, and through the days, you shadow me and haunt me as of old.—Linn.*

NOVEMBER ISSUE

The N.Z. RADIO TIMES

SPECIAL SHORT - WAVE NUMBER

Features of this Month's "RADIO TIMES"

*A special Shortwave Issue, incorporating
the following:*

- (1) The "Cathode Special Five," an a.c. all-wave set, giving tremendous amplification on broadcast and shortwave.
- (2) The "Shortwave Club Two," a modern two-valve battery shortwave set. The very last word in small set design.
- (3) "How and When to Listen"—An article on what is to be heard on shortwave, by Mr. F. W. Sellens.
- (4) "Tricks in the Game"—An article for the beginner, by the secretary of the Shortwave Club.
- (5) A three valve all-wave kit set. This set can also be made to tune the 1000-2000 metres band.
- (6) Advance details of the "Radio Times" wonder set, a seven valve superheterodyne, with automatic volume control.
- (7) "The How and Why of Automatic Volume Control"—An explanation of all modern systems.
- (8) "Radio in Japan"—An interesting descriptive article.

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