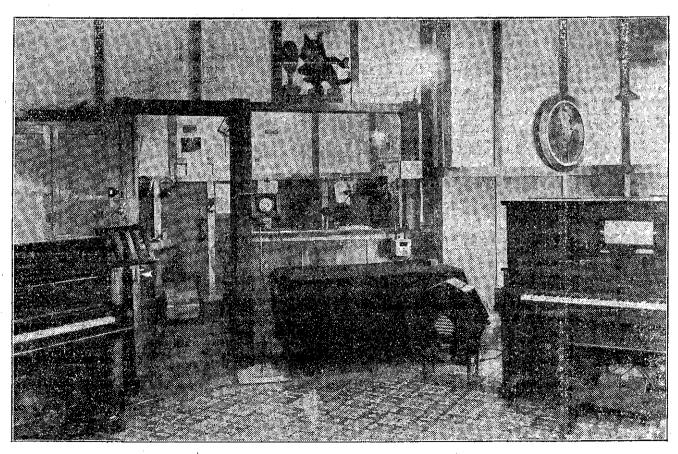


Vol. VI., No. 7.

WE'LINGTON, FRIDAY, AUGUST 26, 1932.

Price 3d.

"The Voice of the Manawatu"



The main studio of Station 2ZF, Palmerston North, which celebrated its eighth birthday several weeks ago with a special programme, a portion of which was re-broadcast by 2YA. In the background is the announcer's studio, which contains all the amplifiers, relay line switches, and gramophone turntables, arranged so that they may be conveniently controlled by one operator. As Palmerston North is unfortunately within 2YA's first fading belt, arrangements have been made for 2ZF to re-broadcast 2YA's programmes four nights a week, and so ensure distortionless reception for Manawatu listeners.

-Photo, Lewis Studio, Palmerston North.

the Radio **Times** is the best paper for technical and DX enthusiasts August issue now available

Your Newsagent or Radio Dealer sells the "Radio Times" for 9d. a copy. After having read one copy you will realise just what you have been missing, but if you should experience difficulty in getting a copy, write direct to the publishers-

The Radio Record BOX 1032 - WELLINGTON.

August 1989

RADIO Round the World

July numbered 4,800,000, which is more of British ships posted as missing has than 1,000,000 increase in twelve declined from 29 in 1920 to 3 in 1931, months. It is anticipated that the attributes the improvement mainly to 5,000,000 mark will be reached during the increasing use of wireless. the Radio Exhibition scheduled to be held in August.

A ERANSIATION of the latin inscription in the entrance hall of rubbing resined cork on glass. Synthe B.B.C.'s new home reads:—This thetic kisses are barred in the B.B.C.
Temple of the Arts and Muses is dedistudios, and all heard are 100 per cent.
cated to Almighty God by the first of the real thing, even if the sound apGovernors of Broadcasting in the year proaches that of a champagne cork
1931, Sir John Reith being Directorbeing ejected from a bottle. General. It is their prayer that good seed may bring forth a good harvest, EXPERIMENTS are being carried that all things hostile to peace or purity that the people, inclining their ear to honest and of good report, may tread the path of wisdom and uprightness.

THE Vatican will be represented at be held in Madrid next month. Father Gianfranceschi, Director of the Papal shortwave station, will be one of the delegates and will attend in a technical capacity. Being a Jesuit there may be some difficulty in obtainthought Spain will withhold permission.

FOR the first five months of 1932 new licenses accruing to the B.B.C. total nearly 400,000, representing a revenue increase of nearly £100,000, as Muhlacker. the amount received by the broadcasters now is about five shillings per license. This increase offsets largely the £150,000 surrendered to the nathe zioo,

THE annual report of the B.B.C. reveals that the broadcasting of the Red Waves). Investigations proved promenade concert season at the that the broadcasts emanated from a reducing attendances. During the last the Communist Party. season 618 additional season tickets were sold and 96,994 people paid for admission at the door.

most powerful of the Italian group of stations—namely, 75 kilowatts. For the sake, however, of economy, there is a possibility that at the start its full power may not be used. The date of its official opening has been fixed for

RADIO VITUS (Paris) has organised a radio service for unemployed persons seeking situations or work. A charge of three francs per line is made

THE total number of wireless licenses "LLOYD'S LIST," in discussing the issued in Britain at the end of reasons why the annual number reasons why the annual number

TT was recently stated that in America * * kisses by radio are made more real TRANSLATION of the Latin in than the actual thing by the method of

out on the coast with a view to the may be banished from this house and equipment of the Ostend and Zecbrugge lifeboats with wireless apparawhatsoever things are beautiful and tus to enable them to keep in touch with their home ports when giving assistance to ships in distress. Recent tests demonstrated that transmissions made by these boats at sea were easily the International Radio Conference picked up by the Wandelaer lightship and the port of Ostend within a radius of twenty-five miles.

THE German broadcasting authorities are perhaps more resourceful in securing stunt programmes than ing admittance to Spain, but international interests being involved it is not spaining a running commentary of an airship's voyage by a passenger on a trip from Stuttgart via Geneva and Marseilles to Barcelona. The account will be transmitted through a shortwave transmitter, and will be rebroad-cast by the high-powered station at

DURING the recent general elections a number of Paris listeners were greatly puzzled by a wireless mystery transmission picked up on about 308 metres. At various intervals it was announced as "Le Ondes Rouges" (The Queen's Hall has not had the effect of pirate station operated by members of

THE U.S.A. Federal Radio Commission has recently authorised the Crosley Radio Corporation to erect a THE new transmitter now in course half-million watt experimental broadof erection at Milan will be the casting station near Ohio. This will to powerful of the Italian group of used in America, and it is estimated that signals will be received in all parts of the country three and a half times stronger than from a 50 kw. transmitter. In order not to interfere with regular programmes the experi-October 28, which coincides with the mental broadcasts will be made between tenth anniversary of the Fascist 1 a.m. and 6 a.m., and it is presumed ceivers, also used the information from organisation.

That other similar stations may be the aeroplane to assist in the control. built if the new experiment proves a

A BROADCAST of some importance in the cultural world has recently for such advertisements broadcast, and taken place in Italy-Goethe's "Faust"

soring such a "premiere" as the performance of this work.

LAST month most of the Italian stations brodacast a running commentary on what is perhaps the oldest annual sporting event in the world. This is the "palio," or mediaeval horse-race of Siena. The race dated back to the fourteenth century, and is run twice a year, in July and August. In times of war and plague it has been suspended, but the tradition runs back six centuries. The course is the old town's market-place, and the event attracts spectators from many countries. The race was run at five o'clock, and the commentary was recorded on a blatterphone metal ribbon. This was rushed to the broadcasting stations, which transmitted it at eight o'clock that night.

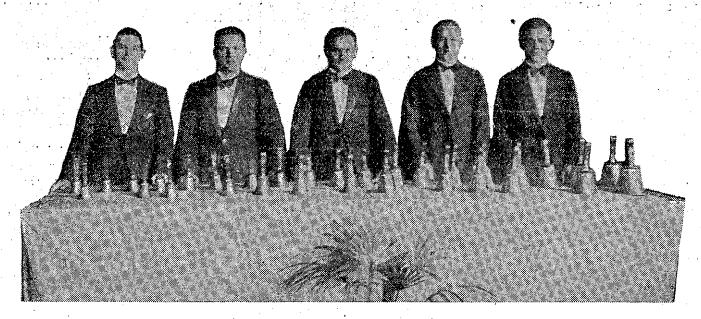
PARABOLIC microphones placed on either side of the rostrum facing the delegates made it possible for the proceedings of the Republican Convention recently held in Chicago to be broadcast throughout the N.B.C. Letwork of stations in the U.S.A. From the control room these "radio ears" were aimed or focussed at any delegate that was speaking, or at any disturbance that was happening on the floor. A public address system was also attached, which permitted every delegate to hear clearly the whole of the proceedings.

IN the City of Buenos Aires there are nineteen broadcasting stations which derive their income exclusively from advertising. Another station which is very popular with listeners throughout the Republic is the 5KW station, owned by the municipality. This station has no regular programme and is closed down during the whole of the summer, but it has the right to relay the national operas performed in the Municipal Theatre during the winter months. Radio Excelsior, which is increasing its power this year to 20/25 kw., is also a very popular station. It is English-owned.

POLITICAL speeches of all kinds are regularly broadcast throughout Spain, and although Government permission is necessary it is rarely withheld. Several weeks ago a member of the last Monarchial Cabinet was permitted to broadcast through the Spanish network of stations, and in this speech he violently criticised the work of the new political leaders. The Madrid station broadcasts the sessions of the Madrid Town Council, held each Friday, and the item is a very popular one among local listeners.

ON Derby Day in England an autogiro hovered above the traffic wending its way to Epsom, and kept in constant wireless touch with a ground station which had the duty of controlling the traffic. Policemen whose helmets were fitted with wireless re-

WHEN Sir Oliver Lodge recently received the Faraday Medal he was paid the greatest possible tribute by the president of the Institute of Electrical Engineers. In making the prereplies from employers may be address- in an Italian translation. The play has sentation the president said that it ed to the studio. Trade advertise- never been presented on the Italian would be superfluous for him to refer ments, however, are charged higher stage. The Italian authorities may to the achievements of Sir Oliver rates.



The Radio Bellringers and Marimba Quartet.

Personnel (from left to right): H. Dalziel, E. J. Andrews, L. Andrews, W. J. Suiton, F. K. Eggers.

Novel Broadcast by the Radio MANY of those who hear this novel broadcast from 4YA Bellringers obtaining some particular effect in their compositions, as, for example, in a fathe hell in the "Misergers"

On Saturday, August 27, listeners

to 4YA will hear for the first time the

Radio Bellringers-a combination of five

players who will revive a form of enter-

tainment which at one time was extremely

popular and maintained several touring

companies in various parts of the world.

MANY of those who hear this novel broadcast from 4YA will no doubt recall, with pleasurable memories, the periodical visits to the Dominion of the Lynch family of bellringers, and that very popular combination, the Barnado boys.

The Radio Bellringers have been work-

The Radio Bellringers have been working for some considerable time to make themselves proficient in this old-time art of entertaining, and have reached a state of proficiency which, it is claimed, places them in the same rank as the professional companies which have been heard at various times in the Dominion.

The origin of bell-ringing is lost in the mystery of by-gone ages. Although the bell is found in almost every country in the world in one form or another, nothing is known of its invention, which, in all probability, dates from the time when the sonorous properties of metals were first recognised.

In China bells have been in use for more than 4000 years, and in a larger form than in any other country. The oldest bells yet discovered in Europe are not castings, but plates of metal bent into shape and riveted or brazed together where the edges meet. Bells in their earliest forms were small, similar to the hand-bells which will be used by the Radio Bellringers, but as their use became more general for public purposes they greatly increased in size.

From the earliest days of civilisation the bell, in some form or other, has played an important part in the lives of the people. There is not the slightest doubt that bells, as we now know them, were invented by the Christian Church, though not at the earliest period of its existence, for then, in consequence of persecution, no loud summons was possible as a signal for essembling.

On great occasions in life the bell is called into play as a concomitant to the emotional expressions of people. On festive occasions, such as weddings, national celebrations, etc., the pealing of bells expresses joy. The same bells, muffled, convey sorrow or grief at the passing away of some loved one. In the Mediaeval Church an individual was cursed by "Bell, book and candle." Danger was expressed by the rapid pealing of a bell, as, for example, the fire-bell. As a means of denoting the hours of the day the bell has been used for centuries—both at sea and on land. Poets have found inspiration in the "deep-toned chime of the bell," and composers have not hesitated to use the bell as a means of

obtaining some particular effect in some of their compositions, as, for example, the tolling of the bell in the "Miserere" scene in "Il Trovatore."

Bells are made of what is known as bell metal—an alloy of copper and tin, in reality a species of bronze. The erroneous idea that silver and gold as component parts of the alloy improve the tone of the bells may be traced to the custom of casting gold and silver coins into the molten metal when it was blessed by the priests, who processed solemnly round the furnace, reciting a psalm.

The approved design of a good bell is

the result of the accumulated experience of many generations of bell-pounders. The scientific proof as to why this particular form should be the best is yet to be set forth. The approved form cannot be deviated from without injury to tone and tune. The details are intricate and the variation most delicate. These secrets the bell-pounder keeps to himself, because the allowances which must be made for tuning while yet maintaining the best proportion are the result of long experience which cannot be taught.

bells, which may be accounted for by the havoc and destruction made upon them at the time of the Reformation, when they were looked upon as so much metal that could be realised; consequently many were sold as old metal. In the eighteenth century also a common way of raising money to restore church buildings was to dispose of the bells, which were sold as old metal.

The war period saw the destruction of some of the world's finest bells when Germany was forced to render them into metal for war purposes.

The bells which listeners will hear from 4YA on Saturday, August 27, will ring out melodies well-known to all music-lovers. The times of performance are 8.30 and 9.28 p.m.

In addition to the bell numbers, each member of the combination is a xylophone player, and they will introduce in addition to the bell solos two marimba quintets. This is the first occasion on which the marimba ensemble has appeared before the microphone, and the various numbers to be played should constitute some of the brightest features on the radio programmes of the week.

THE third and final section of the "Radio Record's" Literary Competitions will be broadcast from the four YA stations next week, as follows:--

Monday, 4YA, 7.30 p.m. Tuesday, 1YA, 7.30 p.m. Wednesday, 2YA, 7.30 p.m. Thursday, 3YA, 7.30 p.m.

The selected passages which listeners will be required to locate in this section Clues to Second Section the garden"... "... he said 'Same of the competition have been taken from best-known works of authors, poets, and playwrights of the present century, including some of the follow-

haw Wells Lewis Lezcock	Doyle Quiller-Couch Barrie Galsworthy Lynd Machen Pett Ridge Sabatini Sheppard Nicholls Mary Webb	Chesterto Dreiser Hichens Huxley Jacobs Jerome Lucas Thompsor Morley Bennett Zangwill Haggard
Journa	Burke	

For the benefit of listeners who may not have had time to make notes of the extracts quoted by 2YA and 3YA in the second section of the competition, broadcast last week, we publish herewith the opening and closing phrases of the various passages read from the two respective stations:-

From 2YA

Wednesday, August 17.

Extract I .- "When I look upon the Tombs of the Great" ... "... we shall all of us be contemporaries and make our appearance together."

Extract 2.—"You must observe, my friend." the waterworks were

Extract 3.- What would I have you "... whose property is only dot?"... to offend"

Extract 4.—"I have of late." You seem to say so,"

Extract 5.—"I would do what I pleased." ... there is an end

Extract 6. "Even as he spoke a ... "... hoping Death's toils mighty"

Extract 7.—"But let my dire feet never fail" . . . ". . with thee will I choose to live."

Extract 8.—"Compared with this, how poor"... "... with grace divine. preside."

From 3YA

Thursday, August 18.

Extract 1 .- "There cannot be a greater judgment" . . . common sense." "... destroys even

Extract 2.—"Now therein of all sciences . . " ". . . than at their mouth.19

Extract 3.-"I am not content" ... do these things go out with life?"

Extract 4.- "Now, my young guest" "... have one play but one thing." Extract 5.—"The moon has set" . . .

. On my weary couch I lie.'

Extract 6.—"They told me, Herac-litus" but them he cannot take."

Extract 7.—"What passion cannot music" . . . " . . . mistaking Earth for Heaven."

Extract 8 .- "Sublime tobacco!" . . . Maa, Give me a cigar i"

Literary Competitions

Final Section Next Week

FOLLOWING are the opening and closing phrases of the passages quoted in the second section of the Competition, from 4YA and 1YA respectively:-

From 4YA

Monday, August 22.

Extract 1.—"It was in a hollow way" "... until the last stragglers disappeared."

Extract 2.- "When I had exhausted

to you'."

Extract 3,—"At night he closed his shutters"... "... hidden by countless days of weaving."

Extract 4.—"Almost everybody in our land" . . . " . . . doings of our English Admirals."

Extract 5.—"They played Beethoven's" . . . " . . . in an entirely fresh light."

Extract 6.- "Ah! Ha!" said the Englishman"... "... galloped back to Paris."

Extract 7.-"I passed some time in

Poet's Corner"... "... and golden veins of language."

Extract 8.—"Come up hither"...

"... there is more sea."

Extract 9.—"O thou down-stricken day" . . . ". . erimson blaring of thy shawms."

From 1YA

Tuesday, August 23.

Extract 1 .- "The Night had closed "... a hundred and five days."
Extract 2.—"They buried him in the athedral" ... a better Cathedral" . . . Christian."

Extract 3.—"(It) was hewn in a wild workshop" close to the giant's

Extract 4.—"There was a level space of sward . . . " . . . he sank from sight.

Extract 5 .- "Whoever has dipped into journalism" . . . " . . high ideals of work disappear."

Extract 6.—"Fourscore and seven years ago" shall not perish from the earth."

Extract 7.—"Having decided to knock off" . . . " . . no further use for them at present."

Extract 8.—"Never stoops the soaring vulture"..."... Till the air is dark with anguish."

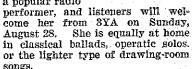
Extract 9.—"The fountains mingle with the river"...".. if thou kiss not me.

The opening and closing phrases from the extracts quoted from 2YA and 3YA will be published in next week's issue, also similar clues to the third section of the competition from 4YA

Winnie Fraser to broadcast again

An outstanding figure in music circles

FOR some time now Winnie Fraser has been an outstanding figure in New Lealand musical circles. Since her return from study in the Old World she has fulfilled engagements for musical societies from one end of the Dominion to the other, and has been enthusiastically re ceived by concert half audiences. Madame Fraser is also a popular radio



After studying some years in New Zealand, Madame Fraser went to the Old Country and was taken as a singing student by Sir Henry Wood, by whom she was coached in many of the oratorios in which she has since sung with remarkable success. Later she went to Vienna to study, and there gave some recitals, about which the musical critics spoke in most complimentary terms. also travelled extensively on the Continent, and spent some time staying with friends in Hungary.

In addition to being a highly cultured singer, she is also a very interesting and clever lecturer.

In London, Winnie Fraser was fortunate in attracting the attention



-Stephano Webb.

Wood, who wished her to remain in London for his season at the Queen's Hall. Production was studied under Von Seer Muchler, in London, and also for a year in Vienna, under Professor Manzoni.

of Sir Henry

"Der Tag," Vienna, wrote of her recital: "Music is probably more available to the more masses in Vienna than in any other European city, with result that a

critical, and has little use for the second-rate performance. But it is quick to realise real merit, and for this reason a very warm reception was accorded to Madame Winnie E. Fraser. The fact that Madame Fraser sang entirely in English did not in any degree detract from the enthusiasm of the audience, which was insistent in its demands for encores, and was only persuaded to leave the hall at the close of the performance by a summary extinguishing of lights. Madame Fraser has a beautiful voice, and made the fullest use of it in a large repertoire including items from the modern German, English, and Russian German, English, and Russian schools. Her voice is a strong soprano, and her low notes are ex-ceptionally fine. The last two num-bers were Maori songs. In common with all native music, that of the Maoris has a charm of its own."

Viennese audience is instinctively

World Radio News

A LDERMAN WILLIAM GEORGE, of brother of Mr. Lloyd George, vetently—during his presidential election to the annual conference of the National Union of Welsh Society—described the B.B.C. as the arch-enemy of the Welsh language. He said that "like an eternal stream it is distilling English, English all the time, and that is why the Welsh people are so vigorous in their protests at the way the B.B.C. continually ignore the demands of Wales."

THE ban on the broadcasting of League football in England is to continue throughout the forthcoming season. A resolution by Newcastle United, one of the premier clubs, that the question of broadcasting games be left to the discretion of individual clubs was defeated by a large majority when the League directorate met recently in London.

THE Khedival Government has granted a concession to a broadcasting company, authorising it to elect and operate a radio-telephony transmitter. It is proposed to relay from important foreign stations and re-broadcast them for the benefit of Egyptian subscribers. At Port Said a radio club already has a 500 watt station working on a rather limited schedule.

IT would appear that the recent exchange of programmes between England and America cultivated a taste for the British type in the U.S.A. Both the National and the Columbia chains regularly tap 58W during sustaining portions of the programmes when no sponsors are broadcasting. American programmes have a very limited appeal in Britain.

Science to The Aid of Civilisation

MANY thousands of years ago man

existed on this planet as a creature practically indistinguishable from the man of to-day. There is indisputable evidence that modern man is in no way the intellectual superior of his remote predecessor. Thousands of years since, languages were invented which were probably more expressive than any modern Thus the literature of the tongue. Greeks and the Romans depicts human emotions and feelings with an accuracy and a delicacy unrivalled at the present And so it is with many other branches of learning and of craftsmanship. For example, who can compare modern art with those gems of beauty handed down to us by our ancestors? Can the modern sculptor rival in conception and design his remote ancestor?

In only one branch of learning do we find a spectacular development in recent times, and that is in the study of science in its various ramifications. Not that science is a modern discovery-for a knowledge of science dates back to the ancient Greeks and Persians-but it is only in recent times that intensive experimental work has succeeded in opening up new fields of thought hitherto undreamt of by our predecessors.

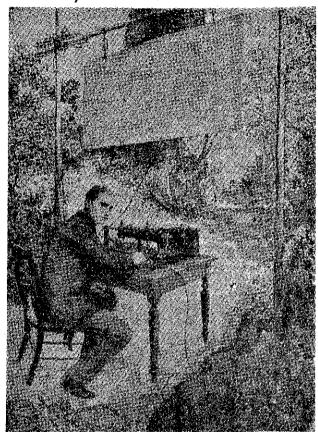
Until the invention of the steam engine and of the internal combustion engine the speed of travel was practically

the same as in the early days of antiquity—the speed of a beast of burden or of a wind-driven boat. To-day the locomotive, the steamship, the motor-car, the aeroplane have completely revolutionised all methods of transport, enabling us to arrive at our objective in minutes instead of hours or days.

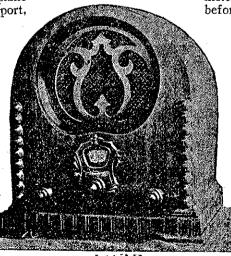
In prehistoric times the speed of messages was limited by the speed of a horseman. To-day the electric telegraph and the wireless have annihilated space to such an extent that it is possible for a listener in New Zealand to hear a speech delivered in London before those seated at the back of the hall itself. So slowly does sound travel in air compared with the infinite speed of electricity that some of us recently heard the referee's whistle controlling the Test game in Sydney before the spectators in the distant parts of the Oval. The time is not far distant when we shall be able to see in our own homes events happening in the most distant parts of the earth, just as we are now able to hand down to posterity almost living records of everyday events through the developments of modern photograph and filmcraft.

The world of science is a very complex structure, each science dove-tailing the one into the other, each ever ready to lend a helping hand orude prototype of the modern highly efficient to a sister-science in difficulty. In a few short transmitter, while below it is shown a typical minutes one cannot explore such a world very modern receiver.

A talk broadcast from 3YA By Dr. H. G. DENHAM



1902



The amazing progress made in all branches of science during the past thirty years is particularly well illustrated in the rapid development of radio. The top illustration shows Marconi as a young man, experimenting with a crude prototype of the modern highly efficient thoroughly, but we can at least wander along some of science's pleasant little byways and villages. For a moment let us halt at the village marked "Methods of Measurement." Here indeed the study of physics reigns supreme. In every branch of experimental work the investigator looks to the physicist to provide delicate instruments for the measurement and control of temperature, electricity, etc., and nobly has he responded to the call.

The extraordinary sensitiveness of modern methods may be best illustrated by a few simple examples. Thus, if onesixtieth of an ounce of radium be equally divided among every living person, modern electrical methods would enable us to detect whether any particular person had his share upon him, even if he had swallowed it!

Methods of precision have enabled the scientist to determine with uncanny accuracy the infinite number of particles, or molecules as we call them, present in any given space. Thus, if a tumberful of water is poured into the sea, and in the course of time this becomes uniformly distributed throughout every river, lake, sea and ocean, and if a tumberful of water is then dipped out from any such lake or sea, science has taught us that it will he found to contain no fewer than 1000 of the molecules or particles originally present in the tumbler.

One more example. If an ordinary electric light bulb be taken and a tiny hole be made in the side just large enough to let through a million such molecules of air per second, it will take a million years before the bulb is filled with air at atmospheric pressure.

These examples show us the wonderful accuracy with which measurements may now be made, if the need be there for any purpose whether of science or of industry which after all is only applied science.

> A ND yet, if one examines the scroll of science, one finds that it is but rarely that the physicist has made an outstanding contribution to the wellbeing of the civilised world. His discovery is generally adapted to the needs of the community by the chemist, the engineer, the industrialist, before its real value becomes apparent. But do not misunderstand me on this point.

The physicist is a necessary cog in the wheels of science without whom the scientific machine would soon break down; he forges the weapon of offence, and there oftentimes his work ceases. The chemist relies on all sides upon his brother-physicist, much as a doctor relies upon his stethoscope or his hypodermic syringe, useless little things in themselves, but of supreme value in proper hands. With the weapons provided him by the physicist, the chemist and his industrial colleagues proceed to (Continued on page 24.)

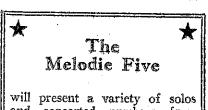
Editorial Aotes

Wellington, Friday, August 26, 1932.

THE license figures indicate that how they would operate. less auspicious crystal set-a notor- plained that licenses could be taken ious pirate-there are still many out without questions being asked listeners not paying their licenses. as to the length of time the set had The theft of radio broadcastingpirating is nothing else—is petty and mean. Strangely enough it is the licenses were only a few hours would old. practiced by many who shrink from lifting a 2/6 article weeks, an announcement was made from a departmental store; they do not realise the gravity of the offence. Radio is being seriously hampered by these parasites and there is a moral obligation for every listener to aid in their being brought to book. Although the presence of pirates in this country will probably mean little more than listeners having to tolerate a lower standard of broadcasting than would otherwise be the case, there are instances where this form of theft has resulted in the closing down of the broadcasting stations, and others where the progress of radio has been very definitely hampered.

FNGLAND like New Zealand, has to tolerate the pirate, but recently severe steps were taken to reduce the number listening to free Toward the end of 1931, the British Post Office published an announcement which was taken up the Press and broadcast frequently, that they were starting a campaign to bring the license evaders to account. They announced the exact time the campaign was to start and explained

On a there are 74,812 radio sets in certain day two or more vans equip-But do these figures ped with the latest direction finding tell all the story? We are inclined instruments would leave headquarto think not, for although the devel-ters in London and proceed systemopment of the powerful but cheap atically to search the city for una.c. set has spelled the doom of the licensed sets. The Post Office exbeen in operation, and no questions would be asked by the engineers if



and concerted numbers from 2YA on

TUESDAY, AUGUST 30.



that some thirty to forty thousand new licenses had been taken out, representing additional income of £20,000. It is not surprising then, that at the end of July the total number of licenses issued in Great Britain numbered 4,800,000, which is more than 1,000,000 increase in twelve months. Although the increase represents a smaller percentage increase than the New Zealand increase, it must be remembered that 44 per cent. of the homes in Great Britain are already fitted with radio, whilst in this country only 20 per cent. enjoy radio.

TT is apparent that were such a "drive" made by the Post and Telegraph Department, the license stuff. figures would mount even more Already, the department has been active and recently we note that there were 44 prosecutions in Auckland for evasions of the license. The Department has facilities to track down a large proportion of the illicit radios and with a slight extension of its equipment, may be able to emulate the efforts of the British Post Office. dealers make an entry for every set and certain listening equipment sold and these are returned regu-

larly to the Post and Telegraph Department. By checking these lists drive to eradicate pirates. against the licenses it can easily ascertain if licenses are taken out. The institution of sleuth methods or fines. even a systematic check of the aerials would enable pirates to be locat-

TT seems evident that the procedure should be:

- 1. The institution of a definite
- 2. Imposition of substantial:

Not until this problem is treated in a business-like manner and offenders severely punished, will the country be reasonably free from the

In Phase and Out

By "Quadrant"

A UNTY, how could you! A child's crease the output of the miners. item in a children's session had to At the end of about two be omitted, and the aunt in expressing her sorrow said that she would have to give the child a date!

> T VISITED a friend's place the other night. All were round the radio, looking most distressed, and about the first question hurled at me was: "What is the matter with 2YA?" with emphasis on the "is." "Tune in 1YA, and he is there; tune in 3YA, still he is there; he is spoiling 4YA, and he's all over the dial and right off it." I know only one term, and so with a glow of pride I replied that it was "cross-modulation," and that it was the after effects of something poured into the innards of the station, by a great radio doctor, to make it steadier.

ONE of the sweetest broadcasts I have heard for some time was 2ZW's lady announcer singing "I Bring a Love Song," one day last week. She has an admirable voice, which broadcasts well.

WHY do golfers pick on me? Comes another letter :-- "Dear Quadrant: If you had ever duffed your approach to a green you would know what the foot-and-mouth disease is." and signed "Golfer." What an innuendo, but I thought some one wouldn't see the point. And all this because many moons ago I suggested that a running commentary of a golf match should be broadcast.

MY home literally recked of kerosene while I was listening to a programme from Wellington's "B" station one night in the week. It's offensive

THE capital has found its voice again. Presumably the Pacific will given a say when 2YA comes up to 10 kilowatts.

RRITAIN now has nearly five million licensed radio sets representing an annual income of £2,500,000. Now we can see why Sir John Reith says: "We shall give the public not what they want but what they should want." There's no harm in saying big things when one has the something to come

wish it would have the same effect on my loudspeaker-or is it my last valve?

2YA'S announcer is evidently a man of many parts. His versatility during the children's session on Saturday was amazing.

AN ambitious radio writer in a "daily," condemning knob twirling says: "It is no use trying to hear two stations at once." When some stations I know are on the air, it is no use trying not to.

TRUST a woman to have the last word. You all have heard 4ZL relaying KFI and been disappointed because you have found it was not the real McKay. A friend of mine who had just had an aerial erected so that she could tune in the Americans was very thrilled to hear KFI coming in 'loud and clear." It sounded too good to be true, and it was, for after diverse questions and diplomatic explanations we decided it was 4ZL relaying the American. "But," she concluded, "it was actually KFI we heard, wasn't it?" The set had done all it had been called upon to do. She was happy and I had lost just another argument.

SOMETHING went wrong at 2YA one night last week. They forgot the "standing by session." I hope no one will get hauled over the coals as a result, though I must admit I enjoy that delightful little interlude.

THE Columbia Broadcasting System of America has its own international problems. The other evening Tito Guizar, a young Mexican tenor whose mother is Italian and whose father is French, sang a German song in English. The orchestra was conducted by a Russian, who later sang an English song in German.

AN English paper, talking of radio in 1922, reproduces a typical query of those days: 'I have manufactured a crystal machine and am using the spring of my bed as an aerial and a flower-pot for my earth. The flower-pot is right



Radiolights

A Summary of the Week's News.

New Schedules Announced.

Advertising Restrictions Result in Deputation to Minister.

Clues to Second Section of Literary Competition.

Winnie Fraser to Broadcast Again.

Broadcast of Bell Ringers from 4YA.

Topical Notes

THE Radio Emergency Corps now has a membership of 270 highly-qualified amateurs and has established sections in fifteen centres in New Zealand. Each section comprises at least twelve efficient men with complete transmitting and receiving equip-Regular schedules are being conducted, and the enthusiasm of the amateurs is such that whatever disaster may befall, it is assured that communication can be established in the course of a few hours.

DOCTOR'S orders have compelled Sir Charles Kingsford Smith to postpone (until a later date his proposed flight of the Tasman, which was to have been undertaken next month. "Smithy" has had a very strenuous time flying during the last few months and has not fully recovered from the effects of sunstroke contracted on his last flight to England. Complete rest has been ordered, but in the meantime reconditioning of the old "Southern Cross" is proceeding against a favourable opportunity for the flight.

SINCE 4YA changed its frequency many reports of diminution in fading and general improvement of reception have been forthcoming. much so, in fact, that the change may be made permanent.

INWARRANTABLE and unjustified were the terms used by Mr. C. R. Russell, Canterbury representative on the Advisory Council, in speaking of the Post and Telegraph Department's new regulation which prohibits—with-out the permission of the Postmaster-General—newspapers from publishing information received over the air. Mr. Russell characterised the new regulations as an instance of bureaucratic control, and asserted that the Broadcasting Board was not responsible for them. It was claimed that the absurd regulations which prohibited amateur transmitters from sending Presentation to anything but trivialities concerning weather and strength of signals were responsible for the comparative lack of interest in amateur work, and that the restrictions imposed were infringements upon the rights of the public.

RADIO enthusiasts throughout the Dominion will learn with interest that Mr. E. C. Gage, superintending engineer of the Post and Telegraph Department, retired last week, Gage was associated with the early developments of radio and could speak with some authority upon the recent developments in radio-telephony. Prior to his Wellington appointment he was for twelve years the well-known Auckland district telegraph engineer, and while many associated with radio will regret that his technical knowledge will no longer be departmentally available, all will trust that his days of leisure, after 37 years' service, will be happy ones and that he retains his interest in broadcasting

EXTENDED HOURS FROM YA STATIONS

OFFICIAL PRONOUNCE-MENT BY BOARD

Continuous Service from 10 a.m. Daily

AS indicated in last week's issue of the "Hadio Record," arrangements have now been finalised for an extension of the broadcasting hours from 1YA, 3YA and 4YA, bringing these stations into line with 2YA.

statement to this effect was made by the Radio Board last week.

The increase in hours from 1YA will come into force as from Monday, September 5, and a week later, on Monday, September 12, 3YA and 4YA will

observe the new schedule.

THE day's activities at each station. excepting Saturday and Sunday, will be commenced with a brief devobeing as follow:--

	Auckland	10.0	a.m.
2YA,	Wellington	10.30	a.m.
3YA,	Christchurch	10.0	a.m.
4YA,	Dunedin	10.15	a.m.

In future there will be no silent days from any of the stations, and listeners will have a daily broadcast service from each of the stations from service from each of the stations from 10 a.m. till 10 p.m., or 11 p.m. on the evenings when dance sessions are broadcast, with the exception of Saturdays and Sundays, when the existing schedule will be maintained for the time being.

The afternoon sessions which hitherto Thursday: have terminated at 4.30 p.m. from 1YA. 3YA and 4YA, will in future be extended till 5 p.m., listeners thus being given a practically continuous service Saturday: from 10 a.m. each day.

Dance Sessions Re-arranged.

THE extension of the hours from 1YA. 3YA and 4YA has enabled tional service, the times of presentation the evening programmes to be arranged so that from the date the extended service comes into operation, there will be a dance session from at least one of the Board's stations on every evening of the week except Sunday.

The dance sessions from the four stations will in future be as follows:-

Monday	·:		
2YA,	Wellington	10.0-11	p.m.
4YA,	Dunedin	10.0 - 11	p.m.
Tuesda,	γ:		
1YA,	Auckland	10.011	
3YA,	Christchurch	9.30 - 11	p.m.
Wednes	day:		
1YA,	Auckland	9.30 - 11	
3ΥA,	Christchurch	10.011	p.m.
PPUL	A 100 A		

4YA, Dunedin 9.30—11 p.m. Friday:

2YA, Wellington 9.30-11 p.m. All Stations 10.10-11 p.m.

Congratulations

Board's Accountant

If the microphone at 2YA had been placed in the head office of the Broadcasting Board at five o'clock on Monday evening of last week listeners would have had the pleasure of hearing the good wishes of the staff being extended to the board's accountant, Mr. G. J. Brocklehurst, who is shortly to be married.

The general manager, Mr. E. O Hands, acted as spokesman on behalf of the staff, and in a few well-chosen words extended its best wishes to Mr. Brocklehurst and his future wife. On behalf of the staff, he presented Mr. Brocklehurst ith a set of crystal ware, expressing the hope that when it was called into service it would re-mind the recipient of the very high regard which was felt for him by everybody in the employ of the board.

Mr. Brocklehurst suitably responded.

The occasion was a unique one, as it marks the first marriage to take place in the broadcasting service since the board assumed control in January.

W.E.A. Lectures From be in the Studio to night, and Uncles George will conduct the service.

August 26 and Following Fridays.

(1) We Need More Money.

(2) Currency should be Leased on Commodities.

Monetary One.

(4) The Problem of Production has

been Solved. Lecturer, Mr. Lloyd Ross.

The Views of the Man in the Street. A Dialogue between Mrs. Alice Herbert and Mr. R. McIvor, assisted by Mr. Lloyd Ross. August 30 and following Tuesdays.

(1) What is Wrong with the World?

(2) If We Were Dictators. (3 What Puzzles Us.

(4) What can We do to Improve the World?

Children's Sessions

FROM 2YA.

Monday, August 29.—Cousin Evelyn has arranged a trip to-night to Nursery-Land, where we are to meet "Little Boy Blue," "Little Bo-Peep," "Old Mother Hubbard," "Tom, Tom, The Piper's Son," and "Jack and Jill." Kipling Lady and Ebor will be in the studio to tell you stories before we leave for Fairy Land.

Tuesday .- Jumbo and Jumuma are taking you to the Carillon to-night to see the home where the big music bells live, and if you listen you will hear how they are played. It would be fun if the Radio Cousins could sing from there, wouldn't it?

Wednesday.—The Snow Fairles who have their home at Mt. Ruapehr have received many fairy requests that they should invite the Snow Flakes to visit them in their home there. The Snow Queen has just received a letter from the Fairy Queen inviting her to come to-day, and bring all the Snow Flakes and Aunt Molly and Sesame as well. Listen in, and you will hear all about their adventures there.

Thursday.—Big Brother Jack wants all the little girls and boys whose Christian name begins with D to be sure to listen in to-night. There is to be a birthday cake and tea for them all Christopher Robin has been invited, because he missed his cake when his birthday came, and the attle boys with the letter C had some. Grasshopper Green is bringing the Babes in the Wood to the Studio to see the fun.

Friday.-Uncle Jim and the Wool Woman are going to take the Kilbiraio Convent Choir to Pretend Farm tonight. This is their first trip on old "Sheepie," and they will just love it, and they will be able to sing choruses as they go along. Let us hope it will be fine for them.

Saturday.—Cousin Heather has promised to take Aunt Molly, Uncle Jasper and Spot to visit The Old Woman and The Pixies. She lives in a delightful thatched cottage, with shutters and delphiniums and hollyhock in the oldfashioned garden. There is a pigeon house too, and perhaps the Little Old Woman would let you feed them. Be ready to leave at five o'clock, if you are coming too.

Sunday.—The Children's Choir from the Vivian Street Baptist Church will.

Fun with Figures

(3) The Depression is Purely a Novel Feature From 2YA

ON Saturday evening at 9.2, 2YA will introduce to listeners "The Sphinx," a wizard with figures, or as some will understand it, "numerology." "The Sphinx" presents a most ori-ginal form of entertainment, in which

listeners are invited to take an active part. Pencils and paper will be required by listeners who wish to take part in this entertainment, which takes the dry bones out of arithmetic and invests figures with a new meaning.

Control of Radio Advertising

Deputation waits on Minister



He deputation was introduced by Mr. P. Fraser, M.P., who spoke in the highest terms of the service given by the Welington B station, on probably the finest standard in Australia of New Zealand.

Australia of New Zealand.

It was of immense value
in its social service, for the Smith
Family, the Mayor's fund, the Central Mission, Red Cross, and other organisations had received from it more assistance than from any other single agency. He fully agreed that to have unrestricted advertising on the air would be most objectionable, but listeners had no objection to the sponsored programmes of really high quality now submitted. If these were restricted as suggested the station would have to close down. Parliament had intended, when adopting the Broadcasting Act, that B stations should be enabled to carry on. There were two means only whereby that could be done: either by subsidies or by per-mitting them to earn some revenue.

Help to Community.

THE Mayor, Mr. T. C. A. Hislop, had desired to attend, but was unable to do so on account of important business. However, he submitted his views in writing, stating that the station had built up a large body of listeners, and the service was very highly appreciated. Anything done to curtail its activia large body of citizens. The station had been of inestimable help to the community in the manner in which it had placed its services at the disposal of public organisations, and in particular the Mayor, for raising funds for philanthropic purposes.

Professor H. H. Cornish agreed that blatant advertising was not wanted, but there was no objection to the skilful manner in which the sponsored quality programmes were offered. Competition with the YA stations he believed was essential to the maintenance of high standard from the Government stations.

Mr. D. McLaren also spoke of the wide appreciation of the service given and of the alarm which would be felt if listeners realised that there was a danger of the station closing down.

Alternative Station.

MR. H. D. BENNETT, also stating the listeners' point of view, said that the department had again changed its mind in regard to restrictions and threatened a rule which should simply mean the loss by listeners of the service they wanted most. The listeners, as partners in the broadcasting system, paid the piper, and they were entitled to call the tune. Because the Broadcasting Board had heavier compensation to meet than was anticipated it said it could not assist any but a few B statins, and what the listeners suggested was that thirgs should be allowed to continue until the board had its finances in order. They were strongly opposed to an action which would mean that in the meantime the station that was wanted as a most

A decision to limit the advertising allowed any "B" station to one sponsored programme a day resulted in a large and representative gathering waiting upon the Postmaster-General, Hon. Adam Hamilton, last week. It was stated that if put into operation this restriction would force at least 2ZW and the main Auckland "B" station off the air. After listening to all the arguments, the P.M.G. pointed out that control was essential, and that unless definitely applied would lead to complications. He agreed, however, to give the matter consideration.

valuable alternative station should be old YA service and had discontinued

Other Stations.

THE Minister asked whether other B stations would be affected.

Mr. C. G. Camp said that the main Auckland B station would definitely have to close.

The Minister, said Mr. Bennett, had said that he did not want the Wellington B station to shut down; the board said that no subsidy could be paid, and the Government proposed crippling restrictions. How could all those factors interlock?

Earning Revenue.

MR. R. J. BENNELL, Dominion chairman of the recent Radio Traders' Conference, placed before the Minister a resolution adopted at that conference urging that B stations should be permitted to earn sufficient revenue to carry on.

The Minister pointed out the difficulty of meeting the cases of other centres where there were as many as six B stations.

Mr. R. McKeen, M.P., said that some of those stations were not fit to be classed "B" a classification of a classification of classed said he secondary stations seemed necessary sing was Mr. W. Appleton said that many

people had been disgusted with the

listening until the B station came on the air; the YA service had vastly improved under board management, but the need of the alternative service was still very real.

The listeners all wanted the B station, said Mr. W. Nash, M.P. What was the reason for depriving them of the service which they wanted and for which in fact they paid their license fees?

Control of Advertising.

THE Minister said that he was in sympathy with much that had been said. He did not wish to see the station closed, for he recognised fully its merit and its services. Some control was obviously essential, and the question was where one was to stop. To lay down a policy for one station would lead to endless complications elsewhere unless great caution exercised. The Broadcasting Board had adopted the policy that coverage had to be given before dup-lication of service was to be entertained.

Mr. Fraser: But in the meantime these stations must surely be kept

The problem was to find the right balance between too much and too little freedom, continued Mr. Hamil-

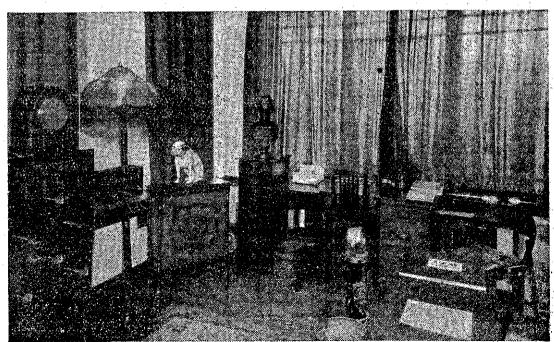
He agreed that there was no ton. particular objection to the manner of broadcasting sponsored programmes in New Zealand, but the deputation would realise the difficulties which had to be met, for though, as had been stated, a high power B station was more costly to maintain than a small station, yet large and small would demand the same freedom. He would consider the representations carefully.

2ZW's Financial Position

IN reference to the statement that some B class stations were making profits from advertising, Mr. R. H. Nimmo advises us that this does not apply to Station 2ZW. He authorises us to say that the accounts show that a loss of nearly £1000 has been incurred by Station 2ZW since its inception, and that the position has now become so serious that an adjustment must be

In this connection it is possible that a development somewhat on the lines of a club movement will be initiated, as has been done in Auckland. Listeners in Auckland, to assist several B class stations there have banned together into clubs. In the case of 1ZR, Club 2500 members were enrolled in two weeks. It is likely that a meeting will be held in Wellington in the near future to institute a 2ZW Club, in respect of which a possible fee of 5/- membership is suggested.

It is understood that numerous offers in the past of financial assistance have been received from listeners appreciative of 2ZW's service, but such sums as have been sent in have all been handed to charity.



The main studio of station 2ZW, one of the most popular "B" stations in New Zealand.



newspaper reports, it was Mr. Tread-well who defended Coates in the recent Wellington murder case. The first famous trial dealt with was that of the traitor—Sir Roger Casement—whose career in the British Diplomatic Corps was very fully told. Mr. Treadwell is Consul for Brazil, and Treadwell is Consul for Brazil, and in mentioning Casement's term of office in that country, I rather expected we would hear that it was Casement who was instrumental in exposing the rubber scandals in Brazil, which followed the horror of the Congo exposition. The Brazilian scandal implicated another Irishman, but Casement was impleaded and he but Casement was implacable and he out Casement was implacable and he earned the commendation of the whole civilised world. While this involved Irishman was not considered actually guilty of murder, but guilty only in omission to observe the method by which rubber was obtained, Limerick, where he resided, ostra-cised him and virtually compelled him to leave the country. This fact I learned from his nephew, who later lost his life, with a Christchurch boy, in attempting to escape from the German raider "Wolf" to Sunday Island, in the Kermadec Group.

EVERYONE will agree with Mr. R. A. Lippincott (1YA, W.E.A. session), that taste and beauty in architecture need to have semblance to utility, that a power-house should not be designed like a mausoleum, and a theatre should not be constructed like a soft-goods emporium; but one may nevertheless ask if the graduated architect is the proper person to be trusted with designs. The house be trusted with designs. The house that Jack built expressed a growing conception, which is beauty in itself, but the architect, often unartistic but with a moiety of knowledge of Grecian expression, occasionally gets his ideas mixed. We have a glaring example of this in one of Wellington's most notable buildings—the Central Police Station, where two columns spring from the first floor to support a portion of the second, over the arch through which pe and mercy flee. I have no doubt the epiphytic idea was conceived by a qualified architect who may possibly have contemplated upon the rata tree, and it makes me wondar if a member of the profession conder if a member of the profession con-ceived that temple of the arts—1YA studios.

IF all the talks by the Town Planning Institute from the YA stations don't result in the creation of a civic consciousness, it will not be due to shadow-sparring, feinting

A SERIES of talks on famous mur- or lady-like tapping, nor because engineer. der trials that will command con- broadcasting has not given the Inmost town siderable attention was begun by stitute a fair spin. I did not think the opportunity of the common siderable attention was begun by stitute a fair spin. I did not think Mr. C. A. L. Treadwell, from 2YA. it possible for so much scorn to be Although merely dubbed "counsel" in poured upon the hetrogeneous oddments that constituted our early city fathers, without the shade of Bumble, with his bunny skin, rising to smite the Institute. For real hard thumping Mr. J. W. Mawson should be awarded the belt, for daring to decry the efforts of nearly a couple of dozen bodies that seem necessary to control the civic functions of the capital city and its environs. These puny corporations have offices, telephones and typists, and sometimes honoraria and pickings, and it is often the latter which has made the town planning scheme appear superfluous. But what could one expect in olden times when councillors and members of boards had of necessity to be drawn from rich man, poor man, beggar man and thief? To-day, generations of compulsory education, we elect prohibitionists, trade union officials, and anybody that does not know much about city mannow is far superior to the former. If we wait for half a century the truth of this would undoubtedly be apparent. The assertion that not much more than a dozen towns could supply a plan of the services such as water, sewerage, and gas mains, is not surprising, as drawings would only make a litter about the council chamber and permit the butcher member to air his knowledge in proudly questioning the to happen, but most approve of the regulation that prohibits advertising on the air. As I read the direction advertising whatever is permitted, and when the license was issued, it is presumed that this was understood. The sponsored programme is pretty wide latitude in my opinion, and I think the authorities are to be com-

We all know, though, that most town councils would be glad of the opportunity to dig up the streets to make a plan, now that some of them The Institute are concrete roads. has a nose that detects all sorts of defects in our established chaotic customs, and Mr. Mawson's detection of a nigger in the woodpile in Wellington's town planning scheme, just shows how nosey a person with ideas can be.

ADVERSITY and undefined interests make strange bed-fellows. Last week we saw a most unusual thing—three Wellington M.P.'s ranged on the side of monopoly—that uwful name which we were taught to believe was synonymous with the grinding of the faces of the poor. It is understood that the Postmaster-General has narrowed the interpretation of the regulation governing broadcast advertising, and 2ZW n.ar-shalled a deputation to the Minister. Unlike other centres, Wellington is blessed with only one station that derives its income from sponsored programmes and the threat has been reagement and functions, and everyone grammes and the threat has been remust admit that the class drawn from newed that if latitude is not extended, the station may be compelled to close down. No listener sires that to happen, but most approve of the

mended for keeping a tight hold on the rein so long as the regulations stand as they are. The stress laid the rein so long as the regulations stand as they are. The stress laid upon the community service in the cause of charity leaves me cold. 2ZW has a long journey to catch up on the many who have assisted charity's institutions, gratis, and done so without making a fetish of deputations.

T CAN'T say that I like Mr. Voco's innovation from 2ZW. I much preferred his varied bijou concerts which aroused goodwill and his interesting talks on oil, motor-cars and things appertaining to oil. Mr. Voco once stated that he understood a number of listeners switched off when he started to talk, but nevertheless, there were a number that didn't. Some, perhaps, could not be bothered. At the risk of encouraging beliefs that might result in a head-swelling, I am brave enough to suggest that a return be made to former procedure, for the new departure won't keep listeners' attention. Many of the talks were of absorbing interest, although few are as much concerned about what makes a motor-car go as they are about what makes the darn thing stop. If housewives listen to Miss Laurel and apply her recom-mendations, there will be many husbands leaving home through an allpervading odour of kerosene.

DON'T know whether it is the invariable closing-down announcement or not, but I heard one of the southern "B" stations make a very definite announcement the other evening. It stated: "After our next musical item we shall go right off the air." There wasn't any doubt about it, either. They did!

THE new competition from the "A" stations is excellent entertainment, even for those who do not feel inclined to rack their memories and upset the order of the book-case. Though it seems improbable that there will be as many competitors as in the music-lovers' competition, the entertainment is quite as good as the earlier one.

THE terse but very comprehensive review of the problems confronting the Ottawa Conference by Dr. Guy H. Scholefield, from 2YA, has certainly made the interested listener but casual reader, well informed upon the difficulties. Mention that South Africa was desirous of entering into competition with Argentina in the beef trade, and that South Africa's 11,000,000 head of cattle was an indifferent one in quality, perhaps needs a little amplification. South Africa has had great difficulty with her cattle, due to disease transmitted and

Radio in the Blackblocks.

THIS week's winning par, sent by M. Nelson, is somewhat out of the usual. She styles it "How the Radio Behaves Sometimes in the Backblocks":

Oh, the wireless, How it fades And jades

Our senses And our fancies As it prances.

Now here With a blare, Now there Nowhere.

A tiny wail, We hail As a trail.

Of return While we burn And churn.

With a thrill To hear it trill Like a rill.

Softly coming Then a booming, Loud presuming

You would dare To declare It had gone Nowhere.

—M. Nelson.

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3-valve		44000		£9	10	0
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carried by wild animals, the zebra being one of the worst offenders, and the disinclination of the Boer to apply Nevertheless, the modern methods. whole of South Africa's beef cattle are not of indifferent quality, and some of the herds in Southern Natal compare favourably with those of any other country. Regulations restricting movement of beasts and up-todate methods have resulted in the creation of some excellent herds, and it is safe to say that much c their beef is equal to Australia's best and vastly superior to any we have in New Zealand. Whether the British consumer should pay to encourage the application of scientific farming routine in a country where so many are anti-British is another matter, and although many of our own stock must necessarily suffer, I personally think it would be unwise for Britain to give a preference without ample guarantee of reciprocity. We seem to have got out of the habit of inter-Empire trading. After the South African War the Rt. Hon. R. J. Seddon was instrumental in inaugurating a direct line of shipping between between South Africa and New Zealand, but I can't remember what we sold one another. At the present time we could do with a lot of Africa's ever-marketable productgold.

A TALK that I liked very much was that by Mr. J. T. Burrows (3YA) on sight-seeing in South Africa, but I was a little surprised when he referred to the crocodiles he saw in the Zambesi River as slimy brutes. I have seen many thousands of "crocs," and never noticed that slime was an outstanding feature. I have seen their abbreviated legs mudcovered, and one may presume that their underparts, which they are not given to showing, are smeared with the glutinous, viscous ooze that usually lines the banks of tropical rivers, when they proceed on shore to get out of the wet. I don't think Mr. Burrows meant that the saurian's mental make-up was slimy, although that slang term would fit quite well, so I should think the view was not a real close-up, but no one will blame Mr. Burrows's caution which permitted his mistaking a glistening skin for a slimy one. Live crocodiles can be much more likeable than dead ones. I recall an occasion when a would-be benefactor poisoned a "croc" with about a whole pound of poison. These relics of the dim past are cannibal and within a few hours hundreds of dead crocodiles lined the banks of the backwater, about which was a thickly populated area. In a few days the stench was so overpowering that the European women and children had to be sent away. The natives, however, loved it, and later earnestly asked for a second helping.

Burrows to tell us of the sights of Capetown and its environs, for I "korero" that he could have made a good job of it. No city is more de-lightfully situated than Capetown, where the sun shines in a cloudless that skirts the Atlantic and the Indian "tittled" the Northcountrymen did Oceans. But Capetown needs to be not "tittle" me very much, possibly seen in the spring and the summer. Around Table Mountain, an area about that of Canterbury, grow more wild flowers than anywhere in the world, with, perhaps, Hong Kong excepted. In that small received In that small region there are about 200 more species of flowers than in the whole of Great Britain. while on the mountain itself grow 96 different kinds of heath. The establishment of a colony at the Cape was the dawn of a new era, when Europe beliefs of its thousand years of dark-



Roger Errington,

who possesses a clear tenor voice particularly suited to the microphone. He will next be heard from IYA on Sunday, September 4.

-Photo, S. P. Andrew.

Although the Dutch had merely the object of founding a farm that could supply fresh food to her merchantmen trading between Holland and the Spice Islands, the Boers, with their sprinkling of Huguenots, imported and cultivated a culture that gives charm to this city of tradition to-day. Culture had to thrive. Nowhere in the world are there such wistful colourings as around the Cape. The painter who is attracted by the beauties of Wellington's own Ward Island in the setting sun, cannot but stand fascinated and bewildered when he views the glories of the Cape of The Dutch opened a Good Hope. produce market at Capetown to pursue the wealth of the East, little knowing that 200 years later, diamonds and gold, a veritable Aladdin's Cave, ould be stumbled upon within the country and just behind their cabbage rows.

THE one thing that nearly every listener to 2YA would like was I was sorry time did not allow Mr. the unctuous friendliness of Mr. Anderton, one of the joint managers of the professional football team at pregathered from his capital descriptions sent on tour, gathering cash for per-of the Victoria Falls and the Zulu sonal benefit, in the cause of sport. "korero" that he could have made a I always liked the idea of joint managership when the spondulicks are flowing in, and somehow it reminds me of the appointment of two sidessky nearly every day of the year, and men to fill one vacancy in church, one temperate sea breezes make its to take the collection and the other to warmth endurable. No city has a see that the job was not made a two-marine drive that compares with that handed one. The supposedly humor-hundred odd miles of beautiful road ous incidents in Australia that

because I know Australian ways. When one of the sportsmen remarked they had had a great time at one township—two cups of tea and eight speeches—he was probably unaware that beer is not the wine of Australia. That was Australia's way of showing friendliness, but I'm glad to say New Zealand can show the world how these We gave this things should be done. band of hard working men a civic reception and an invitation to the talk shook off the traditions and ignorant shop, where our legislators make his-No wonder Mr. Anderton felt friendly, just at the time of the Empire Conference, too, and I'm sure nearly everybody would be glad to hear him, in making his farewell, say "Good-bye, brothers and sisters." One irascible friend of mine informs me that he vocally answered the farewell, adding something about a soldier's good-bye.

"PICTURES in Music" might well

be dubbed the specialty of a distinguished member of a family of musical brothers, one Haydn Wood, who has already translated three famous pictures into music, viz., Luke Fildes' "The Doctor," and "Village Wedding," and Franz Hal's "Laugh-ing Cavalier." I should like to direct Mr. De Mauny's attention to these charming compositions, which should make attractive radio musical fare. This composer, Haydn Wood, was brought to mind by the prospective performance at 2YA on Saturday of his "Manx Rhapsody." Born in of his "Manx Rhapsody." Born in that very musical centre, the West Riding of Yorkshire, Haydn Wood is a Slaithwaite man, and was a brilliant student of the Royal College of Music for six years and a Act Music for six years, under Arbos, after carrying on his violin studies under Cesar Thomson in Brussels. He toured extensively as a solo violinist in a company which included Madame Albani. He has, as a composer, earned the gratitude of all who love light and cheerful music, and his songs, such as "Roses of Picarty," enjoy a wide popularity. His musical output is not deficient in more serious works, which include a piano concerto, suite de ballet and various other suites, orchestral variations and a string quartet. His "Harlequinade" is a gratifying piece of diverting programme music which depicts Columbine, Harlequin, Clown and Pantaloon. Haydn Wood is obviously a musician of ideas, and his "Manx Rhapsody" should prove interesting. There may be some dim and distant connection between the subject of the rhapsody and the fact that as a little boy of six, Haydn made his debut as a solo violinist in Mendelssohn's Concerto, at Douglas, Isle of Man.



Pronunciation.

THE 4YA announcer says "eedyll" for idyll. The "i" is long as in pronouncing first personal pronoun singular. The Christchurch man makes the final nasal sound of Chopin much too broad, imparting an "ah" into what should be a very thin vowel—scarcely a vowel at all. He also says "vayliant" for valiant. All the announcers over-look the "h" sound in the final syllable of many German, Russian, Polish, and other names, such as Rubinstein, Tschaikowski, Paderewski. "Stein" is "kowski" is "kofshky." In As anticipated, I drew some static from a correspondent in your issue pronouncing Wagner, not only has the "w" the "v" sound, the "g" is almost "k." It is right enough to pronounce "Haydn" as "Highdn," but not, I think, in the case of Mr. Hadyn-Wood. Similarly, though the composer of the "Last Waltz" would pronounce his name "Vayber," the modern American composer is probably plain Weber—pro-nounced as spelt; Anglicised—or, as the Americans would say, "Englished." —I am, etc., Clyde Carr (Wellington).

News Broadcast.

To many of us, particularly those who do not enjoy a daily paper, news items are the most important feature of radio broadcast. Consequently you can understand how surprised and disappointed we were to hear 2ZW announce on Saturday night that owing to the regulations forbidding it, they would not be able to in future broadcast their short-wave news items, which was such a feature of their programme. There is no doubt that this was the brightest and most comprehensive news broadcast put over the air in New Zealand or Australia-quite a contrast to the long, dreary readings on financial matters, conferences, etc., of the YA stations-and even exceeding in range and variety the famous "news flashes" from KFI.

It is difficult to believe that the Radio Commissioners could have really intended to deprive listeners of such a valued and looked-forward-to broadcast,



Miss A. V. Lambourne.

whose beautiful mezzo-soprano voice makes her a valuable acquisition to the ranks of 2YA vocalists. She will be heard in several solos on Friday,

September 2.

-Photo, S. P. Andrew.

Our Mail Bag

structing regulation amended.-Listener-in (Takaka).

from a correspondent in your issue of 11th inst., but beyond a rather violent attack on myself for daring to speak my mind, your correspondent did nothing to refute the faults which I pointed out.

I did not blame all the Uncles. I only blamed those who were guilty, and I might go further and say that there is only one Uncle who offends with his "sloppy" asides to the Aunts, etc., but I do maintain that more than one of the Uncles offend by using words that no child can understand. The session is evidently intended for those under 10 years of age, and they cannot be expected to understand words used by grown ups." If any of the Uncles or Aunts either care to take my criticism as personal, well I am disappointed in their intelligence, but I do hope that they will accept it merely as a hint.

As a somewhat severe critic in the past of 2YA's announcer, I would like to pay a tribute to his excellence as Uncle Jasper. His talk to the children always sounds sincere, and he talks to and for children only.

I regret that I cannot, without being personal, tell your correspondent which Uncle it is I refer to mainly, but you would no doubt, Mr. Editor, tell him privately whom I referred to in my last letter, and let him judge for himself.

Re Sunday evening concerts from 2YA, do you not think that, say, once a month listeners could have a recorded programme similar to that given on Sunday afternoons. No doubt the relay of band concerts are popular, and whilst I never can listen to them myself, I do not complain, but I do think that such a programme as mentioned could be given once or twice a month .--DX4T.

"B" Stations Unnecessary.

YOUR editorial in the current issue of the "Record" on the plans of the Broadcasting Board in relation to the "B" stations is a tonic.

We have "B" stations around us in this district, but we want the "A" stations. When we must depend on "B" stations we prefer to go back to the gramophone, where we can make our own choice.

There is a noisy minority whose critical vocabulary is very much com-pounded of "tripe" and "tosh" with a good sprinkling of abuse.

We are not inclined to accept as "gospel" all that Captain Eckersley is reported to have said. We may as well add John Henry's testimony, too. For the encouragement of New Zea-

land talent we are prepared for some amateurism.—(Wairoa).

Two Editorials.

I HAVE before me two editorials, those which appeared in your issues

stated at the outset that nothing which our own service. To elaborate, there is follows is intended as a criticism of no interest here in the deeds of Ath-

and I trust Radio readers will at once the report of the Coverage Commisget busy with a view to having the obsion, to which little exception can be taken. Your editorial notes of the 12th places a very unfortunate emphasis on the word "provincial" In London very much the same emphasis is heard with



Alan McElwain.

a clever Auckland humorist, who is a firm favourite with 1YA listeners. He will next be heard on Friday, September 2. -Photo, S. P. Andrew.

regard to Manchester; in explanation you are of course aware that plays which succeed in London are fiascos in Manchester, but the point does not require any labouring.

Your second editorial is frankly distasteful. The inference can not be evaded that those who are pressing the interests of "B" stations are interested

from ulterior motives. .

The owners of "B" stations have been singularly silent in pressing their claims. The writer is representative of those who have appeared in print on this matter, and his sole interest is in securing for East Coast listeners a service which 2YA or any relay of 2YA cannot give.

Where the new control of broadcasting is failing is in the advisory council, which already has given very clear evidence of its ineptitude.

I refer to the proposed subsidy of stations in Palmerston and in Hamilton, both of which towns are closely knit with Auckland and Wellington commercially and in viewpoint, and would be covered by the proposed improvements in the major stations.

I press again the claims of the East Coast. We are prepared to admit that it is probable we can be catered for by 2YA or by relay stations, but there are other considerations. Poverty Bay, Hawke's Bay, and the East Coast generally is a separate entity, just as the West Coast of the South Island of August 12 and August 19, 1932. is an entity. We have nothing in com-To avoid misunderstanding let it be mon with Wellington, and we require

letic and Poneke, the politics of Iceland leave us cold. So far as we are concerned, 2YA could be closed down, although we would welcome the services of Mr. Clive Drummond,

Geographically the Advisory Council was badly selected. This district, one of the largest in New Zealand, is totally unrepresented, and is suffering accordingly. No personal reflection is intended upon any of the worthy gentlemen selected for the council, but I certainly consider that from lack of local knowledge a most invidious posttion has arisen.

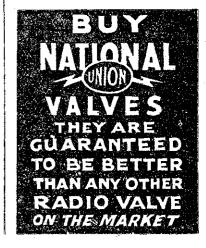
In self-protection may I add that I will reply to no letters addressed to me personally by members of the public whatever their viewpoint may be-W. D. FitzGerald (Napier).

An Uncle's Farewell.

I SEE by the last R.R. that Uncle Jeff has left 2YA. I've no grouse at his leaving, but I have a bone to pick with 2YA. Uncle Toby, Aunt Daisy and Uncle Jeff, favourites with the children, do years of work and give hours of their time and then they either get pushed out or go on their own accord without one word of thanks or goodbye, and it is not known outside that Uncle Jeff has gone to 2ZW, unless one sees a small piece in some obscure corner of the "Radio Record." Aunt Molly says: "children, Uncle ——won't be here to-night," and that is all.—N.Z. 12W.

Radio Drama.

A LTHOUGH I gave an outspoken and decided opinion last week. there was nothing personal in my letter but your two correspondents "Shiel G" and "Bay of Plenty," abuse me, and have not the decency to sign their names. I might descend to "Shiel G" and "Bay of Plenty's" level for a moment, and make personal remarks, but decency restrains me. They are certainly entitled to their opinion, but I am also entitled to mine. of Plenty" says "that well over 90 per cent. of listeners would wecome a play of this sort at least once weekly, a very empty statement when he has not the least way of ascertaining tens of thousands of listeners opinions. My own personal experience is 100 per cent. against it, as among over a score of radio friends, there is not one who does not agree with my criticism, and some say I was not strong enough in my condemnation. Their "mentality" my condemnation. Their "mentality" must be shocking. No "Shiel G" those flowers are not for me to pick, I prefer orchids .- H. Vern (Auckland).



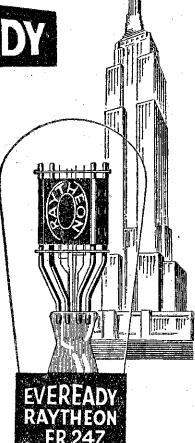
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Questions and Answers

UNICORN (Christchurch): What is the capacity of a condenser with 13

plates?
A.: It depends on the size of the plates.
Probably .0001 or .00015.
2. I wish to use the condenser with a
.00015 differential for a shortwave
adaptor. What are the coil specifications
for the 80-metre band, using valve base

A.: Use 30 d.s.c. wire. Primary 12, secondary 45, tickler 30.

DX14A. (Hamilton): I can hardly hear 1YA, although 2YA can be heard well. All stations above 4QG come in at great strength, but below that they are very weak. I have recently replaced the by-pass in the plate supply with a 1mfd.

A.: In all probability the condensers are not consed appropriate and new relationship.

are not ganged properly, and need retrimming.

2. Could an a.c. screen-grid valve be used in a d.c. set?

A.: Not successfully.

3. What is the lowest screen voltage with which the 224 would operate satis-

A.: No less than 135 volts on the plate and 65 on the screen.

The writer adds: "Could any reader supply me with the circuit of a booster using a coil and formodenser to be used with a set with an aperiodic coil."

N. L.A. (New Lynn): Would a short-wave adaptor which obtains its power from the wiring of the mains set be a satisfactory proposition? A.: It depends upon the design of your set, but it should be. 2. Would results be as good or better

than a straight out two or three valve s.w. battery set? A.: Usually the best results are obtain-

purchased a commercial choke?

A.: Providing you are getting good results and smooth oscillation, no. The choke designed in the "Radio Record" is

choke designed in the "Radio Record" is a perfectly good one.

2. I wish to make an output filter so that I can use phones and a better set with "B" eliminator. Will you give me the specifications of the choke?

A.: You will find standard "Radio Record" choke "C" (vide 1982 "Radio Guide") quite satisfactory.

3. I can still hear music when the headphones are disconnected.

 $^{66}\mathrm{Radio}$ gaussaummannammannammannammannamman

headphones are disconnected.
A.: This is due to a loose lamination in

the transformer. It is doing no harm.

TKE (Waiuku).—The vents of one of the 8 mfd. electrolytic condensers in my set becomes coated with a sticky substance, which dries hard if left. On being wiped away, more forms. Should I replace it with a new one?

A.: Yes, electrolyte may ooze out or harden and in time cause a short cir-

2. When the volume is increased a buzzing crackling noise is heard. This is not caused by a worn volume control.

A.: Such trouble is hard to diagnose without instruments. Possibly you are overloading the detector valve; there may be a defective valve or sneaker, the

overloading the detector valve ; there may be a defective valve or speaker, the moving cone of which may be rubbing against the pole pieces.

3.: My aerial is 30 feet high at the distant end, and 18 feet at the near end. Would it be improved if it were 30 feet at both ends?—Yes.

A. W.L. (Hamilton): Thanks, the correction was made last week.

CATHODE SUPER (Clyde): I have a power switch and volume control inpower switch and volume control in-corporated in the one article. Is this permissible?

A.: Only if you connect the set to the mains by a non-reversible plug and make certain the switch is in the phase wire.

2. Can I have a tuning indicator fitted?

A.: Yes, if you can obtain one.

M. L.B. (Bangiora): Where has a batvolt a.c. mains been described?

A.: One appeared in the 1929 "Radio Guide,"

J. G. (Auckland): My eight-valve commercial set has developed a metallic singing, which is more pronounced on high

A.: Possibly the moving coil of the speaker is rubbing against the pole pieces and needs recentring.

ECONOMIC (Oamaru): Should the top pole of my aerial, which is expected on sloping ground, be higher than the one nearer the house?

A.: It is the height above the ground which counts, so raise the top pole and make it at least as high as the one nearer the house.

A.: Does the grounded aerial improve reception?

A.: Several dxers have found that by grounding the distant aerial of their set they can get better results. It is worth

trying.
3. What is meant by a directional aerial?

aerial?

A.: If an aerial is of certain proportions, e.g., with a very long top and short lead-in, it is directional, that is, it has directional properties, i.e., when pointing toward a station it will receive that one stronger than all others. The lead-in should be at the end more distant from the station. Your aerial would not be directional even if erected to point in a certain direction.

A.: Usually the best results are obtained on such a battery set. The results on a convertor are usually quite good.
3. Conditions being favourable, would it bring in the main world stations on a good aerial?—Yes.

JACKO (Otahuhu).—With my "Sparrow Hawk" one I am using two chokes, one for shortwave and the other for long. Would I get better results if I purchased a commercial choke? ing, or some such thing happening to prevent reception at that end.

DYNAMO ((Waitomo): Why does my set whistle when I touch one of the speaker terminals?

A.: Because you are introducing a certain amount of high frequency current. It is nothing to worry about.
2. Is 150-180 volts too much for two P215's in push-pull?—No.

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Name of set Model ******************* Name Address

Nom de plume To be kept in subsequent inquirles Please Note:-

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(2) Write legably and on one side of the paper

(3) We do not design circuits.

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

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I get jumps and thuds which is not static, as I tune the dial from 200-250 metres.

Without further information as to the behaviour of the set with an aerial, on the distant switch, and at full volume, we cannot help you. In any case, service instruments would probably be needed to diagnose the trouble.

A.W. (Wellington): Would a Beverage acrial improve my reception, and

what is it?
A.: A Beyerage aerial is one about 400 yards long, and is erected about 107t, high. It must point toward the station to be received, and the distant end is grounded through a 750 ohms resistance. It would probably improve results considerably.

2. Can you suggest anything to improve my reception?

A.: You are in a bad place. The bush nearby is likely to absorb a large portion of the signal strength, while the hills

A. P. (Otau): The more I increase the volume the greater the selectivity of the aerial tuning condenser decreases. Is that in order?—Yes.

2. On short-wave the condensers will resonate only very weakly with the oscil-

A: It is important that the mixer valve be either HL610, 630 or one with an impedance varying between 25 and 50,000 ohms. Other types are unsatisfactory. Are the s.g. valves o.k.? Take B + 1 to 110 or 115V, even to max. B + 2.

MUG (Palmerston N.): With the aerial disconnected I find that turning on the electric hot water element volume decreases, but with the aerial there is no difference.

A.: Without the aerial you are operationally described by the serious decreases.

ing the set at maximum, and by turning on the heater the volume is decreased slightly, and the loss is apparent. When the aerial is on you are not working your set at peak, and the slight drop in voltage is not noticed.

CURIOS (Pukekohe E.): The last we heard of these sets was that they were handled by the Natela Radio Company, Wellington.

DX60A. (Hamilton): Would the enclosed circuit be suitable for a shortwave adaptor to plug into the detector socket of my a.c. set?

A.: Yes, if you take the lead from the tickler coil to the plate terminal of an old valve socket, and connect the earth to the

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3. I have all the "B" leads on to the chassis of your set as well as the chassis 120 volts tapping. Is this right for the of the adaptor. The grid condenser should be about .0001, grid-leak from 7-9 megohms. Use a .0001 tuning condenser if the coils are specified for the "Night Hawk" Two.

D X83MC (Christchurch): When volume is full on, with the aerial disconnected and the set on the local switch, I get jumps and thinds which is not static.

DUFFY (Lincoln): The power pack should be approximately 450 volts.

should be approximately 450 volts. A humbucking device in this circuit is not considered necessary.

25 A. (Auckland): What is "band-pass

A. (Auckiand): What is "band-pass tuning?"

A.: A system employing two tuned secondary coils to one primary coil in the aerial circuit. The idea is to get greater selectivity.

2. What stations are between 100 and 200 meters?

200 metres?

A.: In N.Z. there are practically none to be heard. American police stations operate generally on this band.
3. Would a Beverage aerial give good results on shortwave?
A.: We have not heard of it being used on shortwave, and think it would be unsupposedful.

nearby is likely to absorb a large portion of the signal strength, while the hills act (as an excellent shield.

3. Would a pre-set condenser improve the number of stations received?—No.

3. Would a pre-set condenser improve forthcoming issue of the "Radio Times," probably the October issue. probably the October issue. The circuit, like the "Radiogram Five," could use

plug in coils.

2. Could I use my ordinary transformer in place of the pushpull ones illu-

strated

A.: They can be used by shunting both primary and secondary with resistances, but usually such practice is pot satis-

PUSH (Taitville): You want a copy of the "Night Hawk" Two—and elaboration of the "Sparrow Hawk" One. Unfortunately copies of this have been sold out. Possibly we may alter it slightly and redescribe it. It was very popular popular.

PENTODE (Papakura): Is it in order to take the high tension lead from one of the filament legs of the rectifier socket instead of from the centre tap?—

Yes. 2. Where can I fit phones to the "DX Four'

A.: Instead of a speaker, but you would necessarily have to incorporate an output choke.

3. Where could I put in pickup terminals on the "DX Four"?
A.: The pickup would need to be connected between the grid of the detector

and earth.
4.: Can the filaments of all three valves be taken from the same filament wind-

A.: Yes, if it will carry the current.

SEZ YOU" (Waimate): When tuned below 3ZC, Christchurch, the set distorts badly, but the distortion disappears when the volume control is on full.

A.: Such trouble is hard to diagnose without instruments. In all probability the condensers are out of alignment or the volume control is faulty.

FARAD (Tauranga): The flexible lead to the grid of the screen-grid valve fell against the metal cabinet. A good spark was thrown, and the set has been dead ever since.

A.: It could not have been the grid which caused the spark unless there was some mistake in the wiring of the set. If you are using batteries you have probably ruined the battery. Further details of your set would have enabled us to help

H A.I. (Hamilton): Which would improve the tone most, two 245's in pushpull or a pentode?

A.: The tone of the pentode is more brilliant, though most people prefer the less brilliant tone of the 245, so that tone controls are used with the pentode.

2. Where is the correct place to use a pickup to a set with a screen-grid valve as detector?

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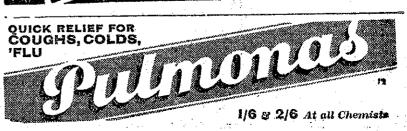
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A.: Break the grid return and put the pick-up in there.

DX1680C. (Otago): What is a Bever-

A.: See reply to A.N. (Wellington). It is fully described in the 1931 "Radio Guide."

ARGUMENT (Waitepeka): My Daniells cell charger operates at the rate of ½ amp. Would it keep a wet "B" battery discharging at the rate of ½ amp fully charged?

A.: No, not unless you constructed 90 to 100 Daniells cells. By the way, there is something wrong with your set if you are discharging a "B" battery at the rate of ½ amp. the rate of 1 amp.

I OCO (Wanganui): Does a J/2 branded "8000 ohms in pushpull" match
the power output in the last stage
(245's in pushpull)?—Yes.
2. Could a Magnavox dynamic No. 416
be matched to the last stage in the set?
A.: You could find this out as easily as
we could by writing to the N.Z. agents—
Messrs. Spedding, Ltd., Auckland.
3. The matching transformer for two
245's in pushpull of the average dynamic
speaker is 25—1 ratio.

A. W. (Timaru): How can I attach a convertor to a superheterodyne set? A. Try it by connecting it between the antenna and the ground. If you can-not get results like that, connect it across the first intermediate transformer, i.e., the one following the mixer valve. One side should go on the plate terminal of this valve and the other to earth.

PADDY (Wellington): One of PADDIX (wellington): One of my valves does not light, although the set goes well. Does this indicate a fault?

A.: Not necessarily. Some valves have a very dull filament, and the inside of the

N. R.D. (Roslyn): The coil particulars you require will be in the "Link Three" in this month's "Radio Times."

COILS (Auckland): Your condensers appear to be satisfactory.

2. I cannot bring in stations under 332 metres with any volume, even locals.

A.: Have you tried re-neutralising the set at a frequency of about 300 metres? This should step up reception of the lower wavelength stations.

lower wavelength stations.
3. I have not had luck with the "Sparrow Hawk" adaptor.
A.: Take the grid return to a potentiometer across the "A" battery. This alteration should smooth regeneration. Have you a good r.f. choke, and is the shorting switch and condenser in series with the main tuning condenser? Unfortunately some of the earlier diagrams showed this in parallel, and had the grid condenser and lead wrong. Otherwise the diagram was all right.

Z. 1.107 (Huntly): Could I use other valves equal to E442, 438 and 404?
A.: Not unless you alter the filament voltage to your set. If it is designed for those valves, it is better to keep to them.
2. Can the plate and filament supply be switched on simultaneously in a power-

pack without detriment to the valve, or is it better to switch the filament circuit in first?

A.: It is better to switch in the fila-ment circuit first, although no serious result will occur in the average set if this is not done.

WIRELESS (Oamaru): Would the shortwave adaptor published in the 1931 "Guide" go satisfactorily connected to my battery set?—Yes.

2. How would the "Sparrow Hawk" differential adaptor suit?

A. It would be excellent

A.: It would be excellent.

RA REC. (Wellington): What resistance is needed to break down 180 rolts to 135 to use with the power stage of a Browning Drake?

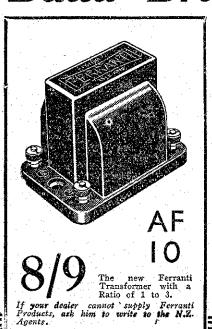
A.: It depends upon the valve you are

using, but providing it takes about 10 milliamps you would need a resistance of approximately 5000 ohms.

approximately 5000 ohms.
glass is conted.
2. Will perspiration affect phones?—
No. It should, however, be cleaned off.
to prevent rusting.
3. In a month I have logged 118 stations. Is this satisfactory?—Yes.

ARRANGEMENTS have been concluded between the Columbia Broadcasting Company of America Broadcasting Company of America and the Budapest studio for a regular interchange of wireless programmes. American engineers now visiting the Hungarian capital are also studying the possibility of installing plant for television transmission of plays and films in three or four languages.

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25/-.

News and Views of the DX Club

Waikato Branch Meetingi

A meeting of the Waikato District dxers will be held in the Toorak Chambers, Hamilton, on Thursday, September 1, at 7.30

J. M. Weatherell (DX46A). District Secretary.

Answers to Correspondents

M.L. (Stratford): The DX Competition is held every six months. Entries for the current one close December 31 next. All New Zealand stations are bearred, as well as certain Australians, unless logged in daylight. For full particulars see the "Radio Times," Septem-

R.P.R. (Timaru): XGT, Tientsin, China, transmits on 1160 k.c. (259 m.), and XGZ on 1075 k.c. (279 m.). Does any dxer know if there is a station in Singapore between 1000 k.c. and 1500

Addresses & Addresses Wanted

Several dxers want the address of 7UV (or B), Ulverstone, Tasmania.

Identification Wanted

Foreign station on approx. 770 k.c. (389.4 m.) heard from 2 a.m. on July 26 and August 9. One item heard on both occasions was "Yes, Sir, That's My Baby Now." Announcements are for-eign, but music is a mixture of English and foreign.—26HB (Napier).

station on 680 k.c. (441 m.), heard at R8 on August 16 at 11.30 p.m. "Old-fashioned Baby," a foxtrot, was heard, followed by Japanese music and then a man speaking in broken English. Was JOHK testing at 4.30 a.m. on August 14? Several vocal items with weird the material statement of the stateme characteristically Japanese orchestral accompaniment were heard. Each was followed by a long interval of 10 minutes. No aunouncements were made.—"Radio" (Wellington).

American heard nearly every evening until 10 p.m. on JOHK's frequency. A strong continuous ripple is always present.-138W (Wellington).

Foreigner heard on a recent Sunday morning at 3 a.m. on approximately 770 k.c. (389 m.). Lady was singing in a foreign language. Also station on k.c. (389 m.). Lady was singing in a foreign language. Also station on approximately 620 kc. (484 m.) heard from 1.15 to 2 a.m., when he closed down, announced giving the time as 10.30 p.m. He mentioned radio several times and a foreign syren was heard twice. The call sounded like "KDIM." Another station on approximately 882 k.c. (340 m.) was heard on orchestral numbers at 1.30 a.m. Also a station heard at 2 a.m. on August 14 on approximately 690 k.c. (434 m.) giving the results of

disastrons fire raging there. [Approximate frequency?—Ed.] Apparently most of the town was burnt out. Previously a lady was heard describing the motor-cars some firm had in stock.—W.W.D. (Wairoa).

Stations Identified

"Radio" (Wellington): Your first station is KMTR, Hollywood, on 570 k.c. Second is probably KOA, Denver, on 830 k.c. 40C: American on 1260 k.c. fs KOIL, Council Bluffs. 1540C: American on 680, is KPO, San Francisco.—"Omsk" (Whakatane).

DX Topics

3ZE's Schedule.

ON a card recently received from 3ZE. Greymouth, the operator states that 3ZE will not be operating on Monthat 32E will not be operating on alondary or Wednesday now. 3YB, Melbourne, is now operating on 283 m. (1060 k.c.). Latest verifications are: 3YB; 3GL, Gcelong; 2GN, Goulburn; and 4ZR, Balclutha. The last-named is now using 7½ watts. All these stations resulted by maximum mail. 2YB mentioned plied by return mail. 3YB mentioned that the dx paper is the best he has seen yet.—"Radio" (Wellington).

Broadcast Acknowledgment of Reports. EXTRACT from letter received from 3TR, Sale: "Every Thursday night from 10-10.15 p.m., E. Australian time, 3TR will reply to letters and reports from your Dominion." Re inquiry by from your Dominion." Re inquiry by 91W: I received a card from 4ZR on July 28, and power given is 6 watts.—76W (Petone).

Reports Invited.

LAST Sunday, August 14, 7UB, Ulverstone, Tasmania, invited DX Club listeners to send in reports on their transmissions. ons. They will be promptly Some New Zealand listeners verified. were mentioned. Power watts.—39MC (Kaikoura). Power used is 200

Unfavourable Congress.

DXING has been very poor here lately.

Reception from 2ZR, Nelson, is
here at night, although we reception from 2ZR, Nelson, is very poor here at night, although we are only 30 miles away. In the day-time reception is very clear and at almost R0, but at nights it is distorted, fading badly between R1 and R7. At the same time we receive KFI at R8.—1NW (Thorpe).

American Schedules,

LETTER recently received from an American dxer gives the following

WEAF: 6.45 a.m.-1 a.m., E.D.S.T. WABC and WJZ: 7.30 a.m.-2 a.m.,

KGU: 6.45 a.m.-11 p.m., P.S.T. KERN: 7.30 a.m.-12 p.m., P.S.T., daily; 8 a.m.-11 p.m., P.S.T., Sunday. He has 585 stations logged, with 84 verified, and is only 16 years old.—141A

(Auckland).

DX Jottings.

CONDITIONS have been almost perfect other station on approximately 882 k.c. (340 m.) was heard on orchestral numbers at 1.30 a.m. Also a station heard at 2 a.m. on August 14 on approximately 690 k.c. (434 m.) giving the results of the afternoon races, with dividends in English money. He then returned to the studio, where orchestral numbers were presented.—W.M. (Hikurangi).

At 12.10 a.m. on August 14 a Manilan station was heard giving details of a (Hamilton). for dxing during the past five weeks.

Mr.Radio Fan Puzzled, Want the latest? ne in"on these publications a

······

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Beatty's Radio Data Charts," 6/-. Reyner's "Testing Radio Sets," 13/6. "Mast and Aerial Construction," 2/-. "Perry5s Auto-Time Morse System," 9d. 'Morse Made Easy," 6d.

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"Handbook Technical Instruction for Wireless Telegraphists," by Dowsett, 27/6.
"How to Make Money in Radio Servicing," by Bouck (U.S.A.), 2/9.
"Gernsback's No. 2 Manual for Servicemen," 37/6.
Gernsbeck's "Radio Serviceman's Handybook," 17/6.
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Morecroft, 18/6.

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Programmes for Week ending September 4

March.

AUCKEAND

902 kc. Sunday 28.

2.0: Selected Recordings, and Literary

6.0: Children's Song Service.

7.0: Relay. Service from Baptist abernacle. Preacher: Rev. Joseph Tabernacle. Organist and Choirmaster, Arthur E. Wilson.

Concert Programme.

8.30: Relay. Municipal Band Concert from Auckland Town Hall. The Band,

(Wagner). Overture, The Band, "Egmont"

(Beethoven). Cornet Duct, Messrs, F. Bowes and J. Davies, "Ida and Dot" (Losey).

The Band, "Scheherazade: The Young Prince and Princess" (Rimsky-Korsa-

Euphonium, Mr. J. Purchase, "Out On the Deep" (Lohr).

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

Flute, Mr. Hal C. McLennan, "Fantasia Characteristic" (Anderson).

Suite, The Band, "A Doll's House" (Engleman): (a) "Fastorale"; (b) "Minuet"; (c) "Caprice"; (d) "Berceuse"; (e) "Galop."

Hymn, The Band, "Pierce Raged the Tempest" (Dykes).

March, The Band, "Poetique" (Block).

2YA

WELLINGTON 720 ke.

Sunday 28.

2.0: Sleeted recordings. 6.0: Children's Song Service, conducted by Uncle George, assisted by the Child-

ren's Choir from the Kent Terrace Presbyterian Church.

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

Concert Programme. Relayed by 2ZD, Masterton.

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> Silent Days this Week 3YA, Tuesday. 4YA, Thursday.

Sunday

1YA, 7 p.m. Baptist Tabernacle. Preacher: Church Services:

Rev. Joseph Kemp.
2YA, 7 p.m. St. Thomas's Anglican Church. I
3YA, 6.30 p.m. St. Paul's Presbyterian Church. Preacher: C. V. Rooke. Preacher: Rev. Alan C. Watson.

4YA, 6.30 p.m. Knox Presbyterian Church. Preacher: Rev. D. C. Herron, M.A.

Features: 1YA. Municipal Band from Town Hall, with assisting

2YA. Port Nicholson Silver Band from Grand Opera House, with assisting artists.

Madame Winnie Fraser (soprano), and Selected recordings. Clive Hindle (baritone). 4YA. Relay from 3YA.

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House (Conductor, J. J. Drew).

CHRISTCHURCH 980 kc. Sunday 28.

2.0: Selected recordings.

5.30: Children's Song Service by Presbyterian Sunday School Scholars.

6.30: Relay of Evening Service from St. Paul's Presbyterian Church. Cashal Street. Preacher, Rev. Alan C. Watson. Organist, Norman Williams. Choir Conductor, H. Blakeley.

7.45: Selected recordings.

Concert Programme.

8.15; March, Studio Orchestra (Con-8.15: Relay of Concert by Port Nichol- ductor, Harold Beck), March, "The Ex- "The Dream" (Massenet).

son Silver Band from Grand Opera alted Ruler" (Hall); "Caliph of Bagdad" Overture (Boiedlien).

> 8.25: Vocal Recital, Winnie Fraser (Soprano), "In Moonlight" (Elgar); "Love is a Dream" (Percy Pitt); "Have You News?" (German).

> 8.35: Recording (Piano and Orchestra). Mischa Levitzki and London Symphony Orchestra, "Concerto No. 1 in E Flat Major" (3rd and 4th Movts.) (Liszt).

8.43: Baritone, Clive Hindle, "O Star of Eve" (Wagner).

8.46: Recording, Ensemble Chorus and Orchestra of Berlin State Opera House, "Show, Lord, These People" (Verdi).

8.50: Recording ('Cello), W. H. Squire, "Gavotte" (Mehul).

8.53: Recording (Tenor), Nino Ederle,

8.57: Recording, Band of H.M. Royal Air Force, "Gondolier and Nightingal-" (Langey).

9.1: Weather forecast and notices.
9.3: Recording (Organ), Paul Mania,
Meditation—"Vision de Jeanne d'Arc" (Gounod).

9.7: Song Recital, Madame Winnie Fraser (Soprano), "Ave Maria" (Mascheroni); "As When the Dove" (Handel; "All Souls Day" (Lassen); "My Dearest Heart" (Sullivan).

9.23: Recording (Violin and Piano), Isolde Menges and Harold Samuel, "Ist

Movement Sonata in A Major" (Brahms).

9.29: Baritone, Clive Hindle, "Mandalay" (Willeby); "King Charles" (White).
9.35: Studio Orchestra, "The Wedding of the Birds" (Kisco); "Espana Valse" (Waldteufel)

9.46: Recording (Tenor), Richard Tauber, "Hand in Hand" (Borganoff-Schwa-

9.50: Recording (Violin), Masser Yehudi Menuhin, "La Capricciosa" (Ries).
9.53: Recording, Band of H.M. Coldstream Guards, "1912 Overture" (Tschui-

4YA

DUNEDIN

550 kc. Sunday 28.

2.0: Selected recordings. 5.30: Children's Song Service, conduct-

ed by Big Brother Bill.

6.15: Selected recordings. -6.30: Relay of Evening Service from Knox Presbyterian Church. Preacher. Rev. D. C. Herron, M.A. Organist, C. Roy Spackman.

7.45: Selected recordings.

(Concert Programme)

8.15: Relay of programme from 3YA, Christchurch.

2YB NEW PLYMOUTH 1230 kc. Sunday 28.

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

7.0 to 3.15: Church relay. 8.15 to 10.0: Studio concert.

1YA

AUCKLAND

902 kc. Monday 29.

7.30: Agricultural Talk, W. Alexander, "Root and Forage Crops for Summer Feeding."

8.0: Relay. Ringside description of Wrestling from Town Hall. (Relayed by station 1ZH, Hamilton.)

2YA

WELLINGTON 720 kc. Monday 29.

10.0: Selected recordings.

10.30: Devotional service. 11.12: Lecturette, "Cooking."

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

12.0: Lunch music.

2.0: Selected recordings.

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

Dinner Music.

Ballet-Pizzicato and Procession of Bar-zkowsky). chus" (Delibes). New Light Symphony Orchestra,

Monday

Evening Talks: "Root and Forage Crops for Summer Feeding"
—Mr. W. Alexander. 1YA, 7.30.
"Books—Grave and Gay"—Mr. H. C. South. 2YA, 7.40.
"Greek Democracy of Athens, 5th Century B.C., contrasted with Modern Democracies"—Dr. H. D. Broadhead (W.E.A. session). 3YA,

"Depression of the '80's and After"—Dr. Walter Borsman. 9.2 p.m.

Sports Broadcasts:

1YA. Relay of description of wrestling match at Auckland Town Hall.

Features: Wrestling from Town Hall, 8 p.m. 2YA. Relay of eighth night of Wellington Competitions.

3YA. Band of First Canterbury Regiment Infantry.
4YA. Final section of Literary Competition, followed by light popular programme of selected recordings.

artakan minakan kilah mengungan mengungan mengungan mengungan mengungan mengungan mengungan mengungan mengungan 6.0: Royal Opera Orchestra, "Sylvia Orchestra, "Spanish Dance No. 1" (Mos- Serenade (Mozart).

John Barbirolli's Chamber 6.24: Royal Opera Orchestra, "The "A Little Night Music" Sleeping Beauty" Panorama (Tschaikow-

sky). Marek Weber and His Orchestra, "Tales of Autumn" (Pomona) Waltz (Waldteufel); "The Beggar Student" Selection (Millocker). New Light Symphony Orchestra, "Spanish Serenade"

6.42: Marek Weber and His Oschestra, "Faust" Selection (Gounod, arr. Weber). Royal Opera Orchestra, 'Shepherd Fennel's Dance" (Balfour Gardiner). Marek Weber and His Orchestra, 'Blonde er Brunette" Waltz (Waldteufel).

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

Concert Programme.

8.0: Relay from Town Hall of Eighth Night of Wellington Competitions Society's Festival.

10.0: Dance programme,

3ҮА

CHRISTCHURCH 980 kc. Monday 29.

3.0: Selected recordings. 4.30: Sports results.

5.0: Children, by Uncle John.

Dinner Music.

6.0: Plaza Theatre Orchestra, "A Musical Switch" Humoresque (arr. Alford). The Salon Orchestra, "Serenade" (Schu-

6.14: Marek Weber and His Orchestra, "From Mozart's Treasure Trove" Fantasie (Urbach). The International Concert Orchestra, "Love and Spring" Waltz (Waldteufel). The Regimental Band of H.M. Grenadier Guards, "Parade of the Elephants" (Chenette).

6.29: London Symphony Orchestra, "Czar Sultan" Suite No. 3 (Rimsky-Korsakov). Zonophone Salon Orchestra, "In the Shadows" (Finck). Marek Weber and His Orchestra, "La Tosca" Potpourri" (Puccini, arr. Tavan).

6.48: Organ Solo, Emil Velazco, "La Golondrina" (Mexican Air). Zonophone Salon Orchestra, "Sweet Adeline" (Armstrong). Pavilion Lescaut Orchestra, "I Drive Out in 'My Little Limousine" (Cowler).

7.0: News and reports.

7.30; W.E.A. Session, Dr. W. H. Broadhead, ("Greek Democracy of Athens, 5th Century B.C., Contrasted with Modern Democracies."

Concert Programme.

8.0: March, Band of 1st Canterbury Regiment Infantry (Conductor, Lieut. C. H. Hoskin), "Viscount Nelson" (Zehle); Fantasia, "Nursery Ditties" (Raymond).

8.13: Recording, Light Opera Company, "Peggy Ann" Vocal Gems (Rodgers), Transfer Contract to the second of the secon



Mr. and Mrs. J. W. Bailey,

well-known Auckland entertainers, who will present several Dickens character sketches from 3YA on Wednesday, August 31.

8.17: Piano, Maisie Ottey, Light Classics, (a) "Wedding Day" (Grieg); (b) "The Old Refrain" (Kreisler); "Lullaby" 8.17: Piano, Maisie Ottey, Light Clas-"Rush Hour in Hong Kong" (Chesins: (Horne).

8.29: Waltz, The Band, 'River of Pearls" earls" (Rimmer). 8.25: Recording (Contralto), Margue-

rita Carlton, "My Prayer" (Squire),

8.38: Recording, New Mayfair Orchestra, "Folly to be Wise."
8.42: Tenor, W. Bradshaw, "Mona"

(Adams); "Sigh No More, Ladies" (Ste-

8.48: March, The Band, "Faithful and True" (Frazer).

8.52: Recording (Humour), Joe Hav-man, "Abe Levy's Anniversary" (Hayman)

8.55: Recording (Organ), Jesse Crawded, "Serenade" (Romberg); "Indian ford. Love Call" (Friml).

9.1: Weather forecast and notices.

9.3: Reserved.

9.18: Overture, The Band, "Crimson Star" (Greenwood).

Star" (Greenwood).

9.27: Recording (Choral), The Revellers, "Wake Up!" (Trent).

9.30: Piano Novelties, Maisie Ottey, "Sentimental Blues" (Ellis); "Petting the Keyes" (Wylie).

9.26. Mezzo-sourano Jovee Seth-Smith.

(Ellis); "Petting 9.36: Mezzo-soprano, Joyce Seth-Smith, "Annie Laurie" (Lehmann); "Habanera"

(Bizet). 9.42: Recording (Humour), Amos and Andy, "I'se Regusted" (Correll and Gos-

9.45: The Band, "Shadow Land" (Hanshall)

9.51: Recording, Geraldo's Gauche Tango Orchestra, "Jealousy" (Gade). 9.54: Tenor, W. Bradshaw, "Eleanore"

(Coleridge Taylor). 9.58: March, The Band, 9.58: March, Grade" (Carter). "Higher

4YA

DUNEDIN

550 kc. Monday 29.

3.0: Selected recordings. 4.30: Sports results. 5.0: Children, by Uncle Jack. Poets."

Dinner Music.

STEWART-WARNER COMPLIES WITH LATEST ELECTRICAL REGULATIONS Guards, "Dorothy—Selection" (Cellier).

De Groot and His Orchestra, "Only For

You" (Strong). Organ, Sigmundo Oro, "Mexicali Rose" (Stone-Tenney).

6.15: The Regimental Band of H.M. Grenadier Guards, "The Old Frog Pond" (Alford). Dajos Bela Orchestra, "Vienna Bon Bons-Waltz" (Strauss).

6.22: New Symphony Orchestra, "Scenes de Ballet, Op. 52" (Glazounoff):
(1) "Preamble"; (4) "Scherzino"; (2) "Marionettes"; (6) "Danse Orientale";
(3) "Mazurka"; (5) "Pas de Action";
(7) "Valse"; (8) "Polonaise."

6.47: De Groot and His, Orchestra, "Autumn" (Chaminade). The Salon Orchestra, "Serenade" (Rimpianto). Salon Orchestra, "Nola" (Arndt).

7.0: News and reports.

7.30: Literary competition No. 3. "Selected Passages from Modern Authors and

Concert Programme.

8.0: Overture, Berlin Philharmonic Orchestra, "The Hebrides" (Mendelssohn).

8.8: Soprano and Tenor, Emmy Bettendorf and Jaro Dworsky, "Salut d'Amor" (Elgar); "Tis But a Love Song" (Offenbach).

8.16: Serenade, Berlin State Ope: House Orchestra, "No. 10 in B Flat Major, Largo and Allegro Molto" (Mozart).

8.24: Recitals, Henry Ainley, "The Bells (Poe); "The Charge of the Light Brigade" (Tennyson); "A Chant of Love for England" (Cone).

8.32: Light Opera Company, "Les Cloches de Corneville" (Planquette).

8.40: Lilly Gyenes and Her Twenty "Hungaria" Gipsy Girls, "Hungarian Rhapsody No. 2" (Liszt).

8.48: Baritone, Harry Dearth, "A Sergeant of the Line" (Weatherly).

8.56: Selection, B.B.C. Wireless Mili-ry Band, "Polish Dance No. 1" tary Band, (Scharwenka).

9.0: Weather report and notices.

9.2: "Depressions of the 'Eighties and After," Dr. Borsman.

9.17: Selection, Dajos Bela Orchestra, Johnny Strikes Up" (Krenek).

9.25: Recording, "Columbia on Par-

9.83: Steel Guitar and Banjo, Masters' Hawaiians, "My South Sea Sweetheart"; 'Blue Sparks."

9.38: Chorus, Light Opera Company, 'The Three Musketeers' (Friml).

9.46: Piano, Turner Layton, "Medley of Layton and Johnstone's Successes."

9.54: Debroy Somers Band, "Auld Lang Syne" Medley (Trdtl.).

NEW PLYMOUTH 1230 kc. Monday 29.

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

8.0 to 10.0: Studio concert.

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"Outward Bound"

a musical programme featuring nautical airs, will be presented from 4YA on

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ΥA

AUCKLAND

902 kc. Tuesday 30.

3.0: Chimes. Selected recordings. 4.30: Sports results.

5.0: Children, by "Uncle Dave."

Dinner Music.

6.0: Berlin State Opera House Orchesa, "Marinarella—Overture" (Fucik). (Fucik). Zonophone Salon Orchestra, "Rose in the

Lonophone Salon Orchestra, "Rose in the Bud" (Forster). International Novelty Quartet, "Cuckoo-Waltz" (Jonasson).
6.13: Dajos Bela Orchestra, "Vindobona-Viennese Folk Song Fantasy" (Leopold). Dajos Bela Orchestra, "Wedding in Liliput" (Translateur).
Stockholm Royal Opera House Orchestra, "Eugen Ongrin-Polyneise" (Trachailean, Wedgen Ongrin-Polyneise"). "Eugen Onegin-Polonaise" (Tschaikowsky).

6.29: Berlin Symphony Orchestra, 6.29: Berlin Symphony
"Tiefland—Selection" (d'Albert). Inter-

Waltz" (Kalman).
6.42: Debroy Somers Band, "Good News—Selection" (de Sylva, Brown and

Radio Serviceman's Course

The newly instituted Radio Servicenan's Examination calls for an exact ton). Berlin State Opera House Orches-knowledge of fadio principles and a tra, "Euryanthe" (Weber).

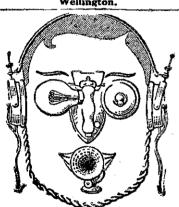
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Tuesday

Evening Talks: "Delhi," Part 2-Captain R. H. Neill. IYA. 9.2 p.m.

"British Drama League Festival," Mr. W. S. Wauchop. 2YA, 7.30.
"For the Man on the Land," agricultural talk. 2YA, 7.40.
"Famous British Trials—Dr. Palmer,"—Mr. C. A. L. Treadwell. 2YA, 9.2 p.m.

"What is Wrong with the World?" dialogue—Mrs. A. Herbert and Mr. R. McIvor (W.E.A. session), 4YA, 7.30.

Features: 1YA. Final section of Literary Competition—"Modern Authors and Poets," 7.30, followed by popular programme of selected recordings.

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2YA. The Melodie Five and 2YA Concert Orchestra.
4YA. The Kaikorai Band and Philharmonic Four Vocal Quartet.

Henderson). Berlin State Opera House Symphony Orchestra. (Schestak).

Concert Programme.

8.6: (Relayed by Station 1ZH, Hamil-

8.21: Piano, Ania Dorfmann, "Valse Impromptu" (Liszt)! "Rondeau Favori

s.29: Baritone, Harry Dearth, "A Sergeant of the Line" (Squire); "The Drum-Major" (Newton).

8.37: State Opera Orchestra, Berlin, "Madame Butterfly" (Puccini).

8.45: Duet, Emmy Bettendorf and Jaro Dworsky, "Tis But a Love Song" (Offenbach).

8.49: Oboe, Leon Goossens, "Le Cygne" (Saint-Saens).

8.52: Selection, Regimental Band of H.M. Grenadier Guards, "Tom Jones" (German).

9.0: Weather forecast and notices

9.2: Talk, Captain R. H. Neill, "Delhi -Part 2."

9.22: Selection, Dajos Bela Orchestra, "Johnny Strikes Up!" (Krenek).

9.30: Tenor, Herbert Ernst Groh, "Farewell Mignon" (Thomas); "Harlequin's Serenade" (Leoncavallo).

9.36: Piano, Beryl Newell, "The Sweetest Story Ever Told" (Stults);

Little Alabama Coon" (Start).

9.42: Comedy, The Dooleys, "The the Sha Millionaires" (Wood); "I Love Maggie styne).

Maloney" (Wood).

9.48: Quartet, The Maestros, "Songs of Girl Wanted There" (Scott) Old Erin" (arr. Francis).

9.56: Mouth-organ, Dick Robertson, "Red Wing."

9.59: Band of Salvation Army Supplies Depot, "Neath the Flag" (Marshall).

2YA

WELLINGTON 720 kc. Tuesday 30.

10.0: Selected recordings. 10.30: Devotional service.

11.12: Lecturette, "Fabrics and Fashions."

12.0: Lunch music. 2.0: Educational session. 3.30 and 4.30: Sports results. 5.0: Children, by Jumbo.

tra, "Radetsky March" (Strauss), Milan (Haver and Lee).

ienderson). Berlin State Opera House Sympnony Officials, Schestra, "From Opera to Opera" Overture (Rossini). Johann Strauss Schestak).

7.0: News and reports.

7.0: Literary competition No. 3. "Selected House Orchestra, "Schwanda, The Bagpipe Player" (Weinberger). Jean Length Lengt Orchestra, lected Passages from Modern Authors pipe Player" (Weinberger). Jean Lenard Poets."

Jean Lenard Poets." arr. Tavan).

6.27: J. H. Squire Celeste Octet, "Hungarian Dance in D" (Brahms). J. H. Squire Celeste Octet, "Memories of Mendelssohn" (Parts 1 and 2). Plaza Theatre Orchestra, "Bal Masque, Valse Cap-Herman Finck's Orrice" (Fletcher). chestra, "Schubertiana" (arr. Finck).

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

7.0: News and reports. 7.30; Lecturette, W. S. Wauchop, "British Drama League Festival."

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

Concert Programme. Relayed by 2ZD. Masterton.

3.0: Overture, 2YA Concert Orchestra,

Conductor Mr. Leon de Mauny), "The Barber of Seville" (Rossini).

8.8: Recording (Humour), Charles Penrose, (a) "The Laughing Policeman" (Grey); (b) "Laughter and Lemons" (Grey).

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

8.24: Twenty Minutes with the Melodie "The Five.

Tenor and chorus, Sam Duncan, "In "The the Shade of the Old Apple Tree" (Al-

W. W. Marshall. Bass, "There's a

Tenor, Frank Bryant, "My Home is Far Away" (Pether).

Novelty Piano, Bert Burton, "Destiny" Waltz (Baynes).

Baritone and chorus, C. E. Winspear, "Rainbow" (Pether).

Chorus, Melodie Five, "Medley" (arr. Melodie Five).

8.44: Valse, The Orchestra, "Estudiantina" (Waldteufel).

8.50: Recording (Humour), Stanley Holloway, "The Lion and Albert" (Edgar).

8.54: The Orchestra, "Spanish Sere-

nade" (Friml). 9.0: Weather report and notices.

9.2: Lecturette, C. A. L. Treadwell. "Famous British Trials—Dr. Palmer."
9.17: The Orchestra, "Three Dances"

Dinner Music.

Dinner Music.

9.25: Recording (Humour), Haver and Lee, "A Smash and Grab Raid"

Haver

9.31: The Orchestra, "A Love Sonnet"

(Herbert). 9.36: Twenty Minutes with the Melo-

die Five. Quintet, "Old Folks Medley" (Sheridan).

Tenor and chorus, Frank Bryant. "Carry Me Back to Old Virginay" (Bland).

Novelty Piano, Bert Burton, "Lily of Laguna" (Stuart).

Baritone and chorus, C. E. Winspear, "Little Alabama Coon" (arr. Melodie

Tenor, Sam Duncan, "A Little Coon's Prayer" (Hope).

Quintet, "Piccaninny Lullaby" (Macy). 9.56: March, The Orchestra. Boy Scouts" (Hennerberg).

4YA

DUNEDIN

Tuesday 30.

3.0: Selected recordings.

4.30: Sports results.
5.0: Children, by Wendy and Augt Leonore.

Dinner Music

6.0: Victor Olof Salon Orchestra. "Grieg Selection" (arr. Urbach). Dajos Bela Orchestra, "Kaiser Waltz" (Strauss). Frank Westfield's Orchestra, "Fifinette"—Intermezzo and Gavotte

(Fletcher).
6.15: Grand Symphony Orchestra,
"Chinese Street Serenade" (Siede).
"Oh! Miss Pavilion Lescaut Orchestra, "Oh! Miss Greta" Tango (Flossas). Berlin State Opera House Orchestra, "Praeludium" (Jarnefeldt). Frank Westfield's Orchestra, "Serenade" (Heykens). Dajos Bela) Orchestra, "The Three Waltz Kings" (Strauss and Sons).

6.35: Edith Lorand Orchestra, "Tales of Hoffman" Fantasia (Offenbach). Dajos Bela Orchestra, "Narcissus" (Nevin). Frank Westfield's Orchestra, "Lilac Frank Westfield's Orchestra, Time" Selection (Schubert-Berte).

6.51: Pavilion Lescaut Orchestra, "Drink, Brother, Drink" Waltz (Bendix). Orchestra Mascotte, "Hobgoblins' Review" (Noack).

7.0: News and reports.

7.30: W.E.A. Session, Dialogue: "A Discussion Between Two Citizens: 'What is Wrong with the World?" Mrs. A. Herbert and Mr. R. McIvor.

Concert Programme.

8.0: Thirty minutes of recordings. 8.30: March, Kaikorai Band, "Soldiers in the Park" (Monckton). Descriptive Intermezzo, "In a Monastery Garden"

(Ketelbey). 3.40: ` Quartets, Philharmonic Four. "Moonlight" (Fanning); "A Rose in Heaven" (Abt).

8.47: Popular Melodies, The Band, "He Played His Ukulele as the Ship Went Down" (le Clerq); "Good-bye" (Stolz).
8.54: Contralto, Maudie Kenward, "Pleading" (Elgar); "We'd Better Bide

a Wee" (Claribel).

9.0: Weather report and notices.

9.2: Reserved. 9.17: The Band, "The Crusaders in Egypt" (Meyerbeer),

9.29: Quartets, Philharmonic Four, 'Serenade' (Schubert): "Tallaba" (Schubert); "Lullaby"

(Brahms).

9.36: Descriptive Fantasia, The Band, "The Smithy in the Wood" (Michaelis).
9.43: Baritone, F. Mortley Peake, "The Bandolero" (Stuart); "Because" (d'Har-

9.49: Recording (Descriptive Sketch), The Roosters' Concert Party, "Tommy's Little Day" (Merriman). 9.57: Quartet, Philharmonic four, "The

Tide Rises -- the Tide Falls" (Carse). 9.59: March, The Band, "Fighting

Mac" (Lithgow)

1YA

AUCKLAND 902 kc. Wednesday 31.

8.0: Selected recordings.

4.30: Sports results.

5.0: Children, by Uncle Reg.

6.0: Chicago Symphony Russian and Ludmilla" Orchestra. "Russian Overture (Glinka). National Symphony Orchestra, "Irish Rhapsody" (Herbert). Interna-tional Novelty Orchestra, "To Die Dreaming" Waltz. Vienna Philharmonic Or-chestra, "Hungarian Dance No. 3." 6.20: Cedric Sharpe Sextet, "Chanson

6.20: Cearic Sharpe Sexiet, Chanson Mapolitaine" (d'Ambrosio). Organ Solo, Sandy Macpherson, "L'Heure Bleu" (Spolianski). Salon Orchestra, "Aloha Sunset Land" (Kawelo). Reginald King and His Orchestra, "Song o' My Heart" Selection.

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

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

7.0: News and reports.

7.30: W.E.A. Session, Rev. W. Constable, M.A., "The Plays of John Galsworthy"—" Loyalties and 'Escape'— Conclusion. Comparison with Bernard Shaw.

Concert Programme.

8.0: Selected recordings,

8.30: Auckland Commercial Travellers' Male Choir, "The Ash Grove" arr. Branscombe); "Sweet and Low" (Barnby).

8.35: Piano, Eric Waters, "Toccata in F Major, Op. III" (Saint-Saens).
8.40: The Choir, "Hymn Before Action" (Davies); "Soldier's Farewell" (Kinkel)

8.45: Recording, Eastbourne Municipal Orchestra, "The B'hoys of Tipperary"

(Amers)

8.48: The Choir, "Who's dat a-Calling?" (Lawreen); "Li'l Liza Jane" (Robinson); "Comrades Arms" in (Adam).

8.57: Recording, Orchestra Mascotte, "Birthday Serenade" (Lincke).

9.0: Weather forecast and notices.

9.2: Eliza Campbell, "A Week-end at Darjeeling."

9.17: Recording, Lensen and His Orchestra, "Cansone Vesuviana" (Marcucci). 9.20: The Choir, "The Keys of Heaven" (Button); "The Little Sandman" (West). 9.27: Recording, Eastbourne Orchestra. "Dancing Doll" (Poldini).

9.30: Dance programme.

2YA

WELLINGTON 720 kc. Wednesday 31.

10.0: Selected recordings.

10.30: Devotional service. 11.37: Lecturette, "Hollywood Affairs"

12.0: Lunch music. 2.0: Selected recordings.

3.8: Lecturette, Mrs. C. Long, "Bridge, Contract and Auction."

3.30 and 4.30; Sports results. 5.0: Children, by Aunt Molly.

Dinner Music.

6.0: Menorah Symphony Orchestra, "Shulamith" Selection (Goldfaden). G. Amers and the Eastbourne Municipal Orchestra, "Second Serenata" (Toselli, arr. Geehl). Zurich Tonhalle Orchastra Zurich Tonhalle Orchestra, 'Andante" (Mozart).

6.14: Halle Orchestra, "Rosamunde (Schubert): (a) "An-Ballet Music" dantino" (b) "Allegro Moderato and An- Little Gingerbread House" (Ivory).

Wednesday

Evening Talks:

Evening Talks: "Some Plays of John Calsworthy"—Rev. W. Constable, M.A. (W.E.A. session). 1YA, 7.30.

"A Week at Darjeeling"—Miss Eliza Campbell. 1YA, 9.2.

"International Affairs"—Dr. Guy H. Scholefield, O.B.E. 2YA, 9.2 p.m.
"Story of the Garden," dialogue—Messrs. E. E. Wiltshire and F. C. Fairclough. 3YA, 7.40 p.m.
"Marketing Problems"—Mr. A. C. Cameron, 4YA, 7.15 p.m.

Features: IYA. First appearance of Auckland Commercial Travellers' and Warehousemen's Association Male Choir. 8,30.

2YA. Final section of Literary Competition, 7.30, followed by programme of selected recordings.

Recital of own compositions-Margaret Jennings, at 8.15 p.m. Sketches from the works of Charles Dickens, by Mr. and Mrs. J. W. Bailey, of Auckland. 8.25 p.m. Concert by Dunedin Returned Soldiers Association, with

assisting soloists. CHRUNTER BURNER BURNER

dante." Dajos Bela Orchestra, "Viennese Waltz" Pot-pourri (Robrecht).

6.30: Bournemouth Municipal Orchestra, "Echoes of the Valley" (Gennin). Grand Symphony Orchestra, "Midsummer Night's Dream" Scherzo (Mendelssohn). De Groot and His Orchestra,
"Tina" (Rubens). Eastbourne Municipal Orchestra, "Tarantelle" (Saint-Saens).

6.45: Zurich Tonhalle Orchestra, "Gavotte from 'Idomeneo'" (Mozart). Menorah Symphony Orchestra, "Bar Kochba," selection (Goldfaden). Bournemouth Municipal Orchestra, "The Merry Brothers" (Gennin).

7.0: News and reports.

7.30: Literary Competition No. 3. "Selected Passages from Modern Authors and Poets."

Concert Programme.

8.2: Overture, Orchestra Association des Concerts Lamoureaux, Paris "Vien-

nese Rhepsody" (Schmitt).

8.10: Tenor, Richard Tauber, "Four Words" (Rotter). "When the Lilac Blooms Again" (Rotter).

8.16: Oboe, Leon Goossens, "Gavotte" Rameau). "Love's Sorrow" (Kreisler). (Rameau). 8.22: Bass, Malcolm McEachern, "The

Roman Road" (Henty). "The Changing of the Guards" (Flotsam and Jet-

8.28: Instrumental, Dajos Bela Or-"Dancing Demoiselle" chestra.

8.32: Humour, Cicily Courtneidge and Company, "The Schoolmaster and the (Ronald Jeans).

8.40: Phantasy, Norman Long. "Side by Side" (Woods). 8.46: Soprano, Gladys Moncrieff, "Violets" (Wright); "Sally in Our Alley" (Traditional).

8.52: Polydor String Orchestra, "The Good Old Days" (Koek).

9.0: Weather forecast and notices.

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

9.17: Overture, Polydor Brass Band Or-

chestra, "Nabucco" (Verdi).
9.23: Vocal Duet, Dora Labbette and
Hubert Eisdell, "Absent" (Metcalf);
"Down the Vale" (Moir).

9.29: Paul Godwin Orchestra, "On the Provincial Railway" (Rathke). 9.32: Humour, Stanley Holloway,

Three Ha'pence a Foot" (Edgar). 9.86: Ilja Livschakoff Orchestra, "Pot-

pourri of Robert Stolz's Works" (Dostal). 9.42: Light Opera Company, "The Geisha" (Vocal Gems) (Jones).

9.50: Polydor String Orchestra, "The

9.53: The Four Voices, "When You Wore a Gingham Gown" (Gilbert); "Song Favourites of To-day."

9.59: March, Polydor String Orchestra. "Neptune" (Ivory).

CHRISTCHURCH 980 kc. Wednesday 31.

3.0: Selected recordings. 4.30: Sports results.

5.0: Children, by "Uncle Bill."

Dinner Music.

6.0: Milan Symphony Orchestra, "Mig-non-Overture" (Thomas). Marek Weber His Orchestra, "Amorettentanze New Symphony -Waltz" (Gung'l). Orchestra, "Pastoral Dance from 'Nell Gwynn'" (German). Musical Art Quar-"Deep River" (arr. Conrad Held).

6.17: New York Symphony Orchestra, "Entrance of the Little Fauns" (Pierne). Vienna Philharmonic Orchestra, "Die Fledermans-Waltz" (Strauss). Brunswick Concert Orchestra, "La Danseuse" (von Blon). A. and P. Gypsies' Orchestra, "My Memories."

6.33: The Salon Orchestra, "Chinese Lullaby" (Bowers). Orchestra Mascotte, "The Girl in the Taxi—Waltz" (Petras). Peter Biljos' Balalaika Orchestra, "Blowing Winds" (Ukranian Medley). The Salon Orchestra, "Sleepy Valley" (Han-

Salon Orcaestra, "Sleepy Valley" (Hanley). Organ solo, Sandy Macpherson, "In An Old World Garden" (Pepper).

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: Addington stock market reports. 7.40: Dialogue, E. E. Wiltshire and F. C. Fairclough, "Story of the Garden."

Concert Programme.

8.0: Recording, Chicago Symphony Orchestra, "Russian and Ludmilla" Overture (Glinka).

8.4: Bass-baritone, Malcolm J. Miller. (Schubert); "Tartarus" "Great Isis. Great Osiris" (Mozart).

8.9: Instrumental Trio, Gladys Vincent, Francis Bate and Merle Miller. "A L'Heure en Soleillee" (Mignan).

8.15: Recital of own compositions, songs and piano solo, E. Margaret Jennings, with Alsa Jones as vocalist. Songs. "What is Love?"; "Home at Night"; "Seed Song"; "Blue Bells"; "The Fisher's Widow"; piano solo, "Reverie" (all by Margaret Jennings).

8.25: Dickens Character Sketches, Mr. and Mrs. J. W. Bailey, "Daniel Pergoty"

(from "David Copperfield", "Mrs. Corney's Tea Party" (from "Oliver Twist") (both by Dickens).

8.45; Selection, Instrumental Trio, "Thais" (Massenet).

8.54: Recording (Contralto), Sigrid Onegin, "Dormi Pure" (Scuderi).
8.57: Recording, Chicago Symphony Orchestra, "Dreams" (Wagner).

9.1: Weather forecast and notices.

9.3: Reserved.

9.18: Bass-baritone, Malcolm J. Miller, "Thro the Fields in Winter" (Sokolov); "Gods all Powerful" (Handel).

9.23: Instrumental Trio, "Serenade" (Gandolfo); "Polish Dance" wenka). 9.30: Dance music.

4YA

DUNEDIN 550 kc. Wednesday 31.

3.0: Selected recordings.

3.15: Talk, arranged by Home Science Extension Department of Otago University, Talk." "Another "Toothsome Stories"

4.30: Sports results.

5.0: Children, by Aunt Gretchen and Big Brother Bill.

Dinner Music.

6.0: Albert W. Ketelbey's Concert Orchestra, "Chal Romano-Gypsy Overchestra. "Chal Romano—Crypsy Over-ture" (Ketelbey). International Nov-elty Quartet, "The Veleta" (Morris). San Francisco Symphony Orchestra, "Caprice Viennois" (Kreisler).

6.16: Zonophone Salon Orchestra, "Evensong" (Easthope-Martin). The London Palladium Orchestra, "Sunset" (Matt). Marimba Band, "Aguas Dormides" (Bolanos). Berlin State Opera House Orchestra, "A Midsummer Night's Dream—Overture" (Mendelssohn).

6.38: San Francisco Symphony Orchestra, "Coppelia Ballet—Automatons Dance" (Delibes). International Nov-"Coppelia Ballet-Automatons elty Quartet, "Merry Widow—Waltz" (Lehar). The London Palladium Orchestra, "Dawn" (Matt).

6.49: Zonophone Salon "Eleanor" (Deppen). Organ, Lew White, "Down South" (Myddleton). Berlin State Opera House Orchestra, "A Midsummer Night's Dream—Wedding March" (Mendelssohn).

7.0: News and reports.

7.15: Talk, A. C. Cameron, "Marketing Problems."

Concert Programme.

8.0: Relay Concert by Dunedin Returned Soldiers' Choir. Conductor: John T. Leech. Soloists: Eva Scott, soprano; T. D. White, bass; L. Borrow, baritone; G. Ansell, bass; C. R. Williamson, tenor; Stan Jeffs, tenor; W. N. Satterthweite, tenor; and the Kaikorai Band Quartet.

Items to be performed by Choir: Anthem, "God Defend New Zealand" (Woods).

Chorus, "Hallelujah, Power and Glory" (Handel).

March Song, "Zut, Zut, Zut" (Elgar). Duet and Chorus, "Miserere Scene" (Verdi).

Choral, "Salamis" (Gernsheim).

Chorus, "Prayer to Isis" (Mozart). Choral Song, "The Sword of Ferrara" (Bullard)

Hymn Tune, "The Sands of Time are Sinking" (D'Uhran). Solo and Chorus, "The Recruit" (Long-

10.0: Dance music.

steffe).

NEW PLYMOUTH 1230 kc. 2YB Wednesday 31

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

1YA

AUCKLAND 902 kc. Thursday 1.

12.15: Selected recordings.

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

3.0: Selected recordings.

3.15: Home Science Talk by the Home Science Extension Service of Otago Uni-

4.30: Sports results.

5.0: Children, by Skipper.

Dinner Music.

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

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

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

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

7.0: News and reports.

7.30: W.E.A. Session, Mr. H. A. Lipincott, B.Arch.F.N.Z.I.A., "Some Architectural Aspects of Town Planning."

Concert Programme.

8.0: Recording, State Opera Orchestra, orlin, "Romeo and Juliette" (Tschaikow-

S.9: Soprano, Mrs. J. W. Jones, "Little Mary Fawcett" (Whitty); "His Little Yeddy Bear" (Levy); "Plain Little House" (McGeogh).

8.19: Recording, John Goss and Cathedral Male Quartet, "Ten Thousand Miles Health Department, "Health Hints." Away" (Willan).

8.22: Plano Duet, Mrs. J. W. Jones and Joyce Shaw, "Tarantelle" (Rubinstein).

8.27: Sketch, "In Old Madrid" (Irwin:.

8.37: Recording, State Opera Orchestra, Berlin, "La Boheme" (Puccint).

SHOO-FLY PLANT



It is said that flies will not stay in a room where it is grown if they can escape. What it is that repulses them is not clear, as the flowers have no odour. It is a repuises them is not clear, as the flowers have no odour. It is a beautiful flowering plant, and blooms in a short time from seed. It is a profuse bloomer in pots, both summer and winter, the blossoms being

both summer and winter, the blossoms being large, cup-shaped, and of a lovely light blue colour, with white centre.

Our principals in Canada inform us that they sold 25,000 packets of "Shoofly" plant seeds last year, and as we have the Australastan agency, and stocks are very hard to get, we suggest you send to-day and avoid disappointment. Be ready for sumner and the flies.

Price 2/- per packet, and send stamped (1d.) addressed envelope. Postal notes or stamps accepted.

or stamps accepted.

DOMINION SEED AGENCY, Box 1582. Wellington, New Zealand,

Thursday

Evening Talks: "Some Architectural Aspects of Town Planning" -Mr. R. A. Lippincott (W.E.A. session).

7.30 p.m. "The Meaning of Disease"—Miss D. Spence-Sales, M.A. (W.E.A. 2YA, 7.30. session), "International Humour"-Mr. E. J. Bell. 3YA, 9.3 p.m.

1YA. Programme by Auckland Provincial Federation of Women's Institutes, and selected recordings.

2YA Concert Orchestra—assisting artists: Gordon Short (piano), S. E. Rodger (baritone), Ena Rapley (soprano), and Edwin Dennis (tenor).

3YA. Final section of Literary Competition, 7.30, followed by programme of selected recordings.

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8.45: Contralto, Mrs. H. Dalbeth, "There's a Land" (Allitsen); "When

Song is Sweet" (Sans Souci). 8.52: Violin, Mrs. E. Armstrong, "Romance" (Wieniawski); "Elfentanz" (Pop-

8.58: Recording, Madrid Symphony Orchestra, "Danza Espanolo" (Granados).
9.1: Weather forecast and notices.

9.3: Reserved.

9.18: Recording, Royal Opera Orches ra, "Faust" Ballet Music (Gounod).
Bass, Malcolm McEachern, "Honour and
Arms" (Handel).

9.30: Sketch, "Boots" (Irwin).

9.40: Recording, Virtuoso String Quartet, "Serenade" (Haydn); "Widdicombe

Fair" (Harrison).

9.46: Mezzo-soprano, Mrs. L. Mitchell, "Sunshine and Rain" (Blumenthal); "Sweet Be Your Dreams" (James).

9.52: Recording, The State Opera Or-nestra, Berlin, "Valse de Concert" chestra, Berlin, (Glazounov).

2YA

WELLINGTON Thursday 1.

10.0: Selected recordings.

10.30: Devotional service

10.45: Lecturette, "Cooking by Elec-

12.0: Lunch music.

2.0: Selected recordings.

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

3.30 and 4.30: Sports results,

5.0: Children, by Big Brother Jack

Dinner Music.

6.0: Grand Symphony Orchestra, "Lustspiel" Overture (Kala Bela). Dajos Bela Orchestra, "Dynamiden" Waltz (Strauss). Barnabas von Geczy and His Orchestra, "The Student Prince" Selection (Romberg)

6.15: Organ Duet, Mr. and Mrs. Jesse Crawford, "The Moonlight Reminds Me of You" (Kahn). Grand Symphony Or-chestra, "Suite Orientale": "The Bajaderes" and "On the Shores of the Ganges," "The Patrol" and "The Dancers" (Popy).

6.32: Grand Symphony Orchestra, "The Land of Smiles" Selection (Lehar). Dajos Bela Orchestra, "Be Embraced, Ye Millions" Waltz (Strauss), Orchestra Mascotte with Dajos Bela, "The Flowers' Dream" (Translateur).

6.47: Grand Symphony Orchestra, "Naila—Ballet Intermezzo" (Delibes), Dajos Bela Orchestra, "Mosaic" pourri (Zimmer).

7.0: News and reports.

7.30: W.E.A. Session, Miss D. Spence-Sales, M.A., "Biological Aspects of Life— The Meaning of Disease."

Concert Programme.

Relayed by 2ZD, Masterton.

8.0: Overture, 2YA Concert Orchestra (Conductor, Leon de Mauny), "A Children's Overture" (Quilter).

8.8: Baritone, S. Evelyn Rodger, "Tne "Selected Passages from Modern Authors Corporal's Ditty" (Squire); "The Devont and Poets." Lover" (White).

8.14: Valse, The Orchestra, "Love's ture. Dream" (Czibulka).

8.19: Recording (Humour). Henry and Blossom, "My Wireless Set"

8.25: Soprano, Ena Rapley, "Musetta's Song" (Puccini); "You in a Gondola" (Clarke).

8.31: The Orchestra, "Selection of Songs" (d'Hardelot).

8.41: Recording (Humour), Cicely Courtneidge, "Ali Baba's Camel" (Gay).

8.47: Piano, Gordon Short, "Polichinelle" (Rachmaninoff).

8.52: Duet, Ena Rapley and Edwin 720 kc. Dennis, "Night of Stars" (Offenbach)

8.55: Idyll, The Orchestra, "A Forest son). Wooing" (Ancliffe).
9.0: Weather report and notices.

9.2: Reserved.

9.15: The Orchestra, "Les Contes

d'Hoffman" Selection (Offenbach).
9.25: Baritone, S. Evelyn Rodger,
"Little House of Dreams" (Glass); "Ma
Little Banjo" (Dichmont).
9.31: Recording (Novelty Instru-

(Novelty Instantion of the Control o mental), Kalama's Quartet, "Hawalian Girl of Mine" Ohau": (Noble).

9.37: Duet, Ena Rapley and Edwin Dennis, "A Night in Venice" (Lucan-

Orchestra, "Serenade 9.41: The (Rubinstein).

9.45: Tenor, Edwin Dennis, "Oh! Could I but Express in Song" (Malashkin); "The Trumpeter" (Dix).

9.51: Recording (Vocal Quartet). The Big Four, "It Always Starts to Rain" (Wallace); "Jolly Good Company" (Wal-

9.54: March, The Orchestra, "Exalted Ruler" (Hall).

CHRISTCHURCH 980 kc. 3YA Thursday 1.

3.0: Selected recordings

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

4.30: Sports results.
5.0: Children, by "Ladybird" and "Uncle Dick."

Dinner Music.

6.0: Philadelphia Symphony Orchestra, . Damnation of Faust-Marche Hon-

groise" (Berlioz). New Mayfair Orchestra, "Sons o' Guns"-Selection. national Novelty Orchestra, "Gold and Silver" Waltz (Lehar).

6.15: Virtuoso String Quartet, "The Emperor Quartet" (Haydn) Theme and Variations. New Light Symphony Orchestra, "Persiflage" (Frances). De Groot and His Orchestra, "I Love You" (Grieg). The London Palladium Orchestra, "Longing" (Haydn Wood).

6.27: Organ, Edward O'Henry, "Dream Lover" (Schertzinger). London Novelty Orchestra, "Love in Idleness" (Macbeth). Philadelphia Symphony Orchestra, "Samson and Delilah-Bacchanale" (Saint-Saens). International Novelty Orchestra, "Emperor Waltz" (Strauss). 6.41: Virtuoso String Quartet, "Lon-

donderry Air" (arr. Bridge). Zonophone Salon Orchestra, "Love in a Mist" (Forster). De Groot and His Orchestra, "Romance" (Rubinstein).

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

7.0: News and reports.

7.30: Literary Competitions (No. 3).

7.45: Review of Journal of Agricul-

Concert Programme

8.0: Selection, De Groot and New Victoria Orchestra, "The Gypsy Princess" (Kalman).

8.8: Baritone, Raymond Newell, "Sinners and Saints" (Geehl).

8.12: Violin, Albert Sandler, "Algerian

Scene" (Ketelbey). 8.16: Soprano, Lotte Lehmann, "Three Horsemen Came Riding" (arr. Dr.

Romer).

8.19: Piano, Raie de Costa, "The Little Dutch Doll" (Blaauw). 8.22: Bass, Paul Robeson, "My Heart

is Where the Mohawk Flows" (Robin-

8.25: Selection, New Mayfair Orehestra, "Blue Roses" (Ellis).

8.29: Light Opera Company, "Helen"

(Vocal Gems) (Offenbach). 8.37: Berlin State Opera House Or-lestra, Overtures, "Abu Hassan" chestra.

(Weber). 8.40: Contralto, Karin Branzell, "In Fetters She Was Led" (Verdi).

8.44: Dol Dauber and His Orchestra, Cupid's Army" (Ibanez). 8.47: Humour, Rupert Hazell, "30L,

Radio Fan's Dream" (Hazell). 8.53: Herman Finck's Orchestra, "Bacchanalia," Drinking Songs Medley (arr.

Finck). 9.1: Weather forecast and notices.
9.3: E. J. Bell, "Integnational Humour."

9.18: Waltz, New Concert Orchestra, "Jolly Fellows" (Vollstedt).

9.22: Laughter Record, Ensemble, "A Warm Corner" (Arnold Bach).
9.28: Barn Dance, London Novelty Orchestra, "Happy Darkies" (Godfrey).
8.31: Harry Lauder, "Tobermory"

(Lauder). 9.31: Soprano, Virginia Perry, "Vilia" (Lehar).

9.35: J. H. Squire's Celeste Octet, "The

Piccaninnies' Picnie" (Squire).

9.41: Humorous Sketches, Michael Casey and Company, "Casey Selling Patent Medicines."

Patent Medicines."
9.44: Oboe Solo, Leon Goossens, "Picec" (Faure).
9.47: J: H. Squire's Celeste Octet.
"Twilight on the Waters" (Squire).
9.50: Bass, Tancredi Pasero. "O King of Heaven" (Wagner).
9.53: Berlin Symphony Orchestra, "Tiefland" (The Lowland) (D'Albert).

AUCKLAND

902 kc. Friday 2.

3.0: Selected Recordings, and Literary Selection.

4.30: Sports results.

5.0: Children, by "Nod."

Dinner Music.

6.0: Vienna Philharmonic Orchestra. "Morning, Noon and Night in Vienna" (Suppe). The Palladium Orchestra. "The Grasshoppers' Dance" (Bucalossi).
New Symphony Orchestra, "Le Cid Ballet Music" (Massenet): (1) "Castillane"; (2) "Aubade"; (3) "Andalouse"; (4) "Arragonaise"; (5) "Madrilene"; (6) "Nanyaraise" (6) "Navarraise."

6.25: New Mayfair Orchestra, "Love Lies Selection." International Concert Orchestra, "Luxembourg-Waltz" (Le-har). H.M. Coldstream Guards' Band. "The Belle of New York-Selections" (Kerker).

6.37: Marek Weber and His Orchestra, "Lehariana" (Geiger). The Palladium Orchestra, "La Siesta—Barcarolle" Orchestra, (Norton, arr. Lotter). New Mayfair Orchestra, "Five O'Clock Girl-Selec-

6.54: H.M. Coldstream Guards' Band. "The Geisha-Selection" (Jones).

7.0: News and reports. 7.30: Sports talk.

Concert Programme.

tary Band, "The Jolly Robbers" (Suppe). 8.9: Contracto, Doris Moore, "If I Might Only Come to You" (Squire). "Life is a Caravan" (del Riego). 8.16: Xylophone, Ray Jury, "Black and White" (Botsford); "The Whistler"

8.22: Recording, The National Chorus, "Here's a Health Unto His Majesty" (arr. Woodgate).

8.25: Overture, 1YA Chamber Orchestra, "Fantasy" (Lotter); "Folly Dance"

(Haines). 8.34: Alan McElwain, "Some Hum-

S.40: Recording (piano duet), The Two Octaves, "She's So Nice" (Coots)
S.43: The Orchestra, "Two Hindoo Pictures" (Lotter),
S.49: Tenor, J. Ainsley Daglish, "Come Back to Erin" (Claribel); "Molly

Brannigan" (Stanford).

Recording (Organ), Terence 8.55 "Other Days" Selection (arr Casev. Pinck).

9.1: Weather forecast and notices. 9,3: Julius Hogben, "Some Early Ventures in Company Promotion."

9.18: Selection. The Orchestra. "Rose Morie" (Friml).

9.28: Contralto. Doris Moore, "The Hills of Donegal" (Henderson).

9.32: Recording (Piano duet). The Two Octaves, "By the Fireside" (Connelly).

9.35: Alan McElwain, "Some Hum-

9:40: Xylophone, Ray Jury, "Bing Bing" (Kaufman); "Just a Blue Eyed Blonde" (Fiorito).

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

9.48: Tenor, J. Ainsley Daglish. "I'll Sing Thee Songs of Araby" (Clay): "Pokare Kare" (Hill).

9.53; Selection, The Orchestra, "Mir-elle," (Gouned), Waltz, The Orchestra, "Elfentanz" (Lehar).

WELLINGTON

720 kc Friday 2.

10.0: Selected recordings. 10.30: - Devotional service.

Friday

"Sports Talk." IYA, 7.30. "Some Early Features in Company Promotion"—Mr. Julius Evening Talks: 1YA, 9.3 p.m.

Hogben. "A Charge to New Zealand Manhood and Toc H"-representative of Toc

2YA, 7.40 p.m. "Is the Planet Mars Inhabited?"-Mr. A. W. Tucker, M.A. 3YA

Features: 1YA. Light, popular programme by 1YA Chamber

Orchestra and studio artists.

2YA. 2YA Concert Orchestra and selected recordings.

3YA. The Studio Orchestra in Fight. The Studio Orchestra in light, popular selections. Assisting artists: Hilda Hutt (soprano), Agnes Shearsby (piano), A. J. Williams (vibro-harp), and S. Gilchrist (baritone).

"Outward Bound"—A musical programme featuring nautical

aire.

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: Berlin Philharmonic Orchestra. 8.0: Recording, B.B.C. Wireless Mili- "Carnival Romain" Overture (Berlioz). Poltronieri String Quartet, "Canzonetta" from "Quartet in E" (Mendelssohn), Op, 12, No. 1. Herman Finck and His Orchestra, "Gaiety Echoes" (Monckton).

6.19: Organ, G. T. Pattman, "Cherie" Waltz (Valentine) Bernado Gallico and His Orchestra, "The Clock is Playing" (Blasuw). London Palladium Orchestra, Katja the Dancer" Waltz (Gilbert). Reie da Costa Ensemble, "Funny Face" Selection (Gershwin)

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

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

7.0: News and reports.

7.40: Lecturette, Representative of Toc H, "A Charge to New Zealand Man-hood and Toc H," from His Excellency the Governor General.

Concert Programme.

8.0: Twenty Minutes of Selected Recordings.

8.20: Selection, 2YA Concert Orchestra (Conductor, Leon de Mauny), "The Cabaret Girl" (Kern).

8.30: Twenty minutes of selected recordings.

8.50: Suite, The Orchestra, "L'Enfant rodigue" (Wormser): (1) "Overture," Prodigue" (Wormser): (1) "Overture," (2) "Valse de Phrynette," "March Müli-

9.0: Weather report and notices.

9.2: Reserved.

9.15: Violin, with Orchestra, W. Haydock, "Czardas" (Monti)

9.20: Mezzo-soprano, Miss A. V. Lambourne, "When Daisies Pied" (Arne); "Fairy Song" (Boughton); "Blow Away the Morning Dew" (arr. Sharp).

9.30: March. The Orchestra, "Dawn of the Century" (Pauli).

9.35; Dance programme.

3YA CHRISTCHURCH 980 kc

3.0: Selected recordings. 4.30: Sports results.

5.0: Children, by Friday.

Dinner Music.

6.0: Brunswick Concert Orchestra, "March of the Tin Soldiers" (Pierne). B.B.C. Wireless Military Band, "Dance of the Tumblers" (Rimsky-Korsakov). J. H. Squire Celeste Octet, "Peter Pan" Selection (Crook).

6.14: Court Symphony Orchestra, "The Windmill Man" Selection. Halle Orchestra, "Capriccio Espagnole" (Rimsky-Korsakov).

6.35: Organ, Quentin MacLean, "Little Dolly Daydream' (Stuart). Garde Republicaine Band, "The Two Pigeons" Messager)

6.52: B.B.C. Wireless Military Band, 'Golliwog's Cake Walk' (Debussy). Organ, Quentin MacLean, "Lily of Laguna" (Stuart).

7.0: News and reports.

7.30: W.E.A. Session, A. W. Tucker, M.A., B.Sc, F.R.A.S., "Is the Planet Mars Inhabited?"

Concert Programme.

8.0: Overture, Studio Orchestra (Conductor, Harold Beck), "Light Cavalry" (Suppe).

8.8: Soprano, Hilda Hutt, "I Dreamt that I Dwelt in Marble Halls" (Balfe). 8.11: Piano, Agnes Shearsby, "Duetto" (Mendelssohn).

8.15: The Orchestra, "The British Patrol" (Asch): "In a Jananese Carden" (Asch); "In a Japanese Garden (Ansell). 8.22:

Baritone. Sidney "Adieu. Marie" (Adams); "Russian Love Song" (Lardelli).

8.27: Vibro-harp, Arthur J. Williams, Cavatina" (Raff).

8.31: Selected recordings.

9.1: Weather forecast and notices. 9.3: Reserved.

9.18: Salon Orchestra, "No! No! Nanette" (Youmans) (Youmans).

9.28: Soprano, Hilda Hutt, "Green astures" (Sanderson); "Spring Has Pastures" (Coleridge-Taylor). Come?

9.34: Piano, Agnes Shearsby, "Valse Brillante in A Flat" (Chopin); "Country äardens" (Grainger).

9.40: Baritone, Sidney Gilchrist, "Tomorrow Will Be Friday" (Molloy); "Vanity" (Hall),

9:54: Vibro-harp, Arthur J. Williams, Serenata" (Braga); "Scheizo" (Hoff).

.9.52: Recording (Choral), Denis Noble, "Four Jolly Sailormen" (German).

9.55: Foxtrots, The Orchestra, "I Miss Little Miss" (Coots); "I'll be Blue" (Wendling).

4YA

DUNEDIN

550 kc. Friday 2.

12.30: Community Sing from Town Hall.

3.0: Selected recordings.

4.30: Sports results.

5.0: Children, by Aunt Sheila.

Dinner Music.

6.0: Berlin State Opera House Orches-"Academic Festival" Overture ams). Opera Comique Orchestra, Overture (Brahms). "Scenes Pittoresques-March and Fete Boheme" (Massenet).

6.16: Berlin State Opera House Orchestra, "Slavonic Dances, Nos. 8 and 16" (Dyorak). Berlin State Opera House Orchestra, "Christmas Concerto" (Corelli).

6.39: Edith Lorand Orchestra, "Toreador and Andalouse" (Rubinstein). Berlin State Opera House Orchestra, "La Traviata" Prelude (Verdi).

6.45: Dajos Bela Orchestra, "Strauss, the Waltz King, at Home" (Weber). Edith Lorand Orchestra, "Minuet" (Borcherini).

7.0: News and reports.

7.30: W.E.A. Session, Mr. Lloyd Ross, M.A., "Popular Fallacies: Currency Should be Based on Commodities" (Second of Series).

Concert Programme.

8.0: Nautical Airs, "Outward Bound," Overture, The Orchestra (Mons. de Rose, Conductor), "Storm Night at Sea" (Gabriel-Marie).

8.9: Solo and Chorus, The Trouba-dours, "The Sailor and His Messmates"; "Weighing Anchor" (both by McFarren).

8.15: March, The Orchestra, "Before the Mast" (Laurendeau).

8.19: Solo and Chorus, The Trouba-burs, "Sailing at Dawn" (Stanford). ruet, The Troubadours, "Larboard dours, Duet. Watch" (Williams).

8.25: Recording, Band of E.M. Grenadier Guards, "Naval March"; "Military

8.29: Quartet, The Troubadours, "Four Jolly Sailormen" (German). Solo and Chorus, The Tronbadours, "Song of the Sou'-wester" (Stanford).

8.36: Suite. The Orchestra, "Atlantis" (Safranck).

8.48: Bass, J. T. Ferguson, "Davy Jones' Locker" (Petrie).

8.53: Recording, Marimba Centro Ame-Waters"; ricana, "Sleepy Waters' Lopez" (both by Bolanos).

9.0: Weather report and notices.

9.2: Reserved.

9.17: Selection. The Orchestra, "The Blue Mediterranean" (Volpatti).

9.22: Part Song and Solo, The Troubadours, "You Gentlemen of England" (Rembalt); "Out of the Deep" (Lohr).
9.29: Selection, The Orchestra, "Four-

teen Fathoms Deep" (Lake). 9.35; Solo and Chorus, The Troubadours, "The Little Admiral" (Stanford). 9.40: Recording, International Novelty

Quartet, "Over the Waves" (Rosas), 9.43: Solo and Cherus, The Transladours, "Farewell" (Stanford); "Ruis,

Britannia" (Arne). 9.51: Selections, The Orchestra, "By the Brook" (de Boisdeffre); "Our Jackies" (Laurendeau).

AUCKLAND

902 kc. Saturday 3.

2.45: Relay, Rugby Football from Eden

5.0: Children, by Cinderella.

Dinner Music.

6.0: Berlin State Opera House Orches-ra, "The Magic Flute" Overture Mozart). Sandor Joszi Orchestra, (Mozart). "Polo" (Petras). Berlin State Opera House Orchestra, "Slavonic Dances, Nos. 1 and 2" (Dvorak).

6.17: Frank Westfield's Orchestra, "Our Miss Gibbs" Selection (Monekton). Our Miss Gibbs' Selection (Monekton), Philadelphia Symphony Orchestra, "Carmen—Soldiers Changing the Guards" (Bizet). Major Bowes Capitol Theatre Trio, "Pale Moon" (Logan). Orchestra Opera Comique, Paris, "Manon—Ballet Music" (Massenet).

6.38: Berlin State Opera House Orchestra, "From Foreign Parts"—"Spain" and "Hungary" (Moszkowski), Major Bowes Capitol Theatre Trio, "My Isle of Golden Dreams" (Blaufus). Sandor Joszi Orchestra, "Marionetta's Wedding Wedding March" (Rathie),

6.48: Frank Westfield's Orchestra, "The New Sullivan Selection" (arr. Godfrey). Philadelphia Symphony Orchestra, "Carmen-March of the Smugglers' (Bizet).

7.0: News and reports.

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

Concert Programme.

8.0: Recording, Dajos Bela Orchestra, "Waltzes from Vienna" (Strauss).

8.7: Soprano, Mrs. J. S. Smith, "Ferryman Love" (Borsdorf); "Summer Rain" (Willeby).

8.13: Instrumental and Vocal, Wally Harrison's Melody Boys, "Honolulu March" (Bishaw); "The Waltz of the Hills" (Fields-Hall).

All Fall in Love but Me" (Evans).

Wavdn Murray's Trio,

"Reve Angelique" (Rubinstein); "Bolero" (Moszkowski).

8.33: Bass-baritone, Arthur Wright, "I Fear No Foe" (Pinsuti); "Muleteer of Malaga" (Trotere). 8.39: Recording, The Old-time Singers, "After the Ball" (Harris) "Two Little

Girls in Blue" (Graham).

8.42: Trio, Haydn Murray's Trio, "Ls Cinquantaine" (Gabriel-Marie).
8.46: Comic Song, Stanley Gay, "Now I've Got You" (Rule).
8.52: Jack Payne and B.B.C. Dance

Orchestra, "Follow a Star" (Ellis). 9.0: Weather forecast and notices

9.2: G. A. Thomas, The Story of British Sports and Pastimes—A General Survey. 9.20: Trio, Haydn Murray's Trio, "Waltz Scherzo" (Strauss).

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TO-DAY!

NOW

Saturday

Evening Talks: "Modern Ballroom Dancing"—Mr. W. E. Priestly. 1YA, 7.40. "The Story of British Sports and Pastimes"—Mr. G. A. Thomas. 1YA, 9.2 p.m. "Maori and Pakeha—The Destruction of Maori Life"—Dr. I. L. G. Sutherland (W.E.A. session). 2YA, 7.30 p.m. "Industry and Progress"—Mr. F. C. Hutchinson. 3YA, 7.45.

Sports Broadcasts: 1YA, 2.45 p.m. Rugby from Eden Park. 2YA, 3.0 p.m. Interprovincial Rugby from Carisbrook Ground: Otago Sports Broadcasts: v. Southland.

Features: IYA. Miscellaneous programme of a popular naturerecordings and studio artists.

Relay of final night and demonstration concert of Wellington Competitions.

Comedy sketches by Bernard Beeby and Miriam Osborne. Salon Orchestra and supporting artists. 4YA. Relay of programme from 3YA.

and the control of th

9.25: Soprano, Mrs. J. S. Smith, "Splendour of the Morn" (Sanderson); "Gipsy Spring" (Oliver).

9.30: Recording (Piano Duet), Sid

Bright and Donald Thorne, "Viktoria and Her Hussar" (Abraham).

9.36: Bass-baritone, Arthur Wright, "The Wolf" (Shield),

9.40: Instrumental and Vocal, Wally Harrison's Melody Boys, "There's a Blue Sky" (Hall-Cleve); "Aloha-Oe" (Liliumkala).

9.46: Recording, Orchestra Mascotte, Night Revellers" (Ziehrer); "Kissing is

"Night Revellers" (Ziehrer); "Kissing is no Sin" (Eysler).

9.52: Comic Song, Stanley Gay, "The Sizzle of a Sausage" (Weston and Lee).

9.56: Recording, H.M. Grenadier Guards Band, "Old Panama" (Alford). 10.0: Sports summary. 10.10: Dance programme

2YA

WELLINGTON 720 kc. Saturday 3.

3.0: Relay of Rugby Football from Athletic Park.

5.0: Children, by Aunt Molly and Uncle

Dinner Music.

6.0: Marek Weber and His Orchestra, "Cavalleria Rusticana" Selection (Mascagni). International Concert Orchestra.

"My Treasure" Waltz (Becucci).
6.13: National Military Band, "Ballet Egyptien" (Luigini). De Groot and His Orchestra, "When the Great Red Dawn is Shining." The London Orchestra. "Valse Memories" (arr. Somers).

6.30: Albert Sandler and His Orchestra, "My Dream Memory" (Levant). Phila-delphia Symphony Orchestra, "Casse delphia Symphony Orchestra, "Casse Noisette" (Nutcracker) Suite—"Waltz of the Flowers" (Tschaikowsky). London Palladium Orchestra, "Classica Selection" (arr. Ewing).

6.47: International Concert Orchestra. "La Spagnola" Waltz (di Chiara). Albert Sandler and His Orchestra, "Give Me Back My Heart" (Novello). De Groot and His Orchestra, "Zinotte" (Geehl).

7.0: News and reports.

7,30: W.E.A. Session, Dr. I. L. G. Reel). Sutherland, "Maori and Pakeha-The Destruction of Maori Life."

Concert Programme.

Relayed by 2ZD, Masterton.

8.0: Relay from Town Hall of Final Night and Demonstration Concert of Wellington Competitions Society's Festival. 10.0: Sporting summary,

Adelphi Cabaret.

3YA

CHRISTCHURCH 980 kc. Saturday 3.

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

Dinner Music.

6.0: London Theatre Orchestra, Country Girl' Selection (Monchton). Organ, G. T. Pattman, "Cinderella" Waltz (Pattman). Band of H.M. Grenadiez Guards, "Ivanhoe" Selection (Sullivan, Gards, Trainoc Selection (Simple, arr. Godfrey). London Symphony Orchestra, "Chanson de Matin" (Elgar). Ketelbey's Concert Orchestra, "Wedgewood Blue" (Ketelbey).

6.26: Orchestre de la Societe des Concerts du Conservatoire, Paris, "Le Rouet d'Omphale" (Saint-Saens). Organ, G. T. Pattman, "Alice, Where Art Thou?" (Traditional). London Theatre Orchestra, "Maid of the Mountains" Selection (Fraser-Simson).

6.45: String Orchestra, "Almand"; "Pavan" from "Arundel Suite" (Brown). Ketelbey's Concert Orchestra, "The Clock and the Dresden Figures" (Ketelbey). Regal Cinema Orchestra, "Show of Shows" Selection

7.0: News and reports.

7.45: Talk, Mr. F. C. Hutchinson (Vice-President, Canterbury Manufacturers' Acsociation). "Industry and Progress."

Concert Programme

8.0: Salon Orchestra, "A Musical Jig Saw" (Aston, arr. Ketelbey).

8.12: Recording, Light Opera Company, "The Girl Friend" (Vocal Gems), (Rodgers).

8.16: Recording, Marimba Centro Americana, "Forget You? Never" (Martinez).

8.19: Soprano, Mrs. Agnes Leoming, "Love Will Find a Way" (Simson); "Ma Curly-Headed Babby" (Clutsom).

8.25: Recording, Argyll Reel and Strathspey Band, "Balmoral" (Foursome

8.29: Sketch, Bernard Beeby and Miriam Osborne, "The Rehearsal" (Thomas).

8.41: The Orchestra, "Melous," (Friml): (a) "Intermezzo," (b) "Oriental," (c) "Love Song," (d) "Valse ..., (c) Lacille."

8.52: Baritone, Philip Wynne Yorke, 10.0: Sporting summary,
10.10: Relay of Dance Music from "Somewhere in Old Wyoming" (de Rose);
delphi Cabarst. "Haymakers" Dance" (Sanderson).

8.57: Recording (Tuschinski Organ), Pierre Palla, "Valse Poudre" (Popy).

9.1: Weather forecast and notices.

9.3: Reserved.

9.18: Rhythmic Novelty, The Orchestra.

"Rhapsodie Russe" (Nussbaum).
9.23: Soprano, Mrs. Agnes Leeming.
"Love's a Merchant" (Carew); "Love, Here is My Heart" (Silesu).

9.29: Recording (Cornet and Trombone), Jack Mackintosh and J. Canwood, "Excelsior" (Balfe).

9.32: Sketch, Bernard Beeby and Miriam Osborne, "According to George"

(Williams).

9.38: Recording, National Military Band, "Ben Hur" (Byng). 9.42: Baritone, Philip Wynne Yorke, "Collette" (Harrhy); "Smiling Through" (Penn).

9.47: Recording (Piano), Beryl Newell,
"By the Fireside" (Connolly).
9.50: The Orchestra, "Carnival"
(Ring): (a) "Cavalcade," (b) "Pierrette,"
(c) "Harlequin," (d) "Colombine."
10.0: Sports summary.

10.10: Dance music.

4YA

DUNEDIN

550 kc. Saturday 3.

3.0: Relay, Interprovincial Rughy Football from Carisbrook Ground-Otago v. Southland.

4.44: Sports results. 5.0: Children, by Aunt Anita.

Dinner Music.

6.0: The Parlophone Salon Orchestra, "A Lover in Damascus" (Woodforde-Finden). Dajos Bela Orchestra, "Russian Fantasie" (Lange); "Fanst" Waltz

6.15: Dajos Bela Orchestra, "I Pagliacci" Selection (Leoncavallo). Edith Lorand Orchestra, "Hedgeroses" (Lehar). Ernest Leggett London Octet, "Operatic Fantasia" (arr. Aldington).

c. 4: Dajos Bela Orchestra, "The Swallows" Waltz (Strauss). La Argentina, Castinets, with Orchestra, "Dance No. 5" (Granados). Dajos Bela Orchestra, "Fantasie Orientale" (Lange). "Viennese Waltz Pot-pourri" (arr. La Argentina, Castaneta estra, "La Corrida" Robrecht). with Orchestra, "La (The Bull Fight) (Volverde). Lorand Orchestra, "O, Maiden" (Lehar). "O, Maiden, My

7.0: News and reports.

8.0: Relay of programme from 3YA. Christehirch

10.0: Sports summary, 10.10: Dance music.

2YB NEW PLYMOUTH 1230 kc. Saturday 3.

7.30 to 8.0: News and information, sports results and lecturette session. 8.0 to 10.0: Studio concert.

10.0: Sports summary.



AUCKLAND

902 kc. Sunday 4.

2.0: Selected recordings. 6.0: Children's service.

7.0: Relay of service from St. Matthew's Church. Preacher, Rev. C. H. Grant Cowen. Organist and Choirmaster, J. H. Philpott.

8.30: 1YA Chamber Orchestra, "Nor-

wegian Rustic March" (Grieg).
Overture, "Carnival" Overture (Mou-

Contralto, Madame Irene Ainsley, "Ombra Mai Fu" (Handel)

Recording (Harp), Sidonie Goossens, "Whirlwind" (Salzedo).

Tenor, Roger Errington, "The Last Song" (Rogers); "The Song of the Palan-quin Bearers" (Shaw). The Orchestra, "Tales of Hoffman"

(Offenbach).

Weather forecast and notices.

Recording (Piano), Ignaz Friedman "Old Vienna" (Schubert).

Contralto, Madame Irene Ainsley, "The Sea Wrack" (Harty); "Knowest Thou the Land?" (Thomas).

The Orchestra, "Peer Gynt" (Grieg).
Recording ('Cello), Pablo Casals,
"Flight of the Bumble Bee" (Rimsky-Casals, Korsakov)

Tenor, Roger Errington, "Once Again" (Sullivan); "When Through the Piazetta" (Mendelssohn).

The Orchestra, "Dance of the Hours" (Ponchielli).

Recording, Don Cossacks Choir, "Barynja"; "Dance Song" (both arr. Do-Choir,

Selection, The Orchestra, "Tunelandia"

2YA

WELLINGTON

720 kc Sunday 4.

2.0: to 4.80: Selected recordings 6.0: Children's service by Uncle George, assisted by children's choir from Vivian

Street Baptist Church.

7.0: Relay of evening service from Vivian Street Church of Christ. Preacher, Pastor W. R. Hibburt (Chairman of Young People's Work). Organist, Robert H. Coombe.

8.15: Relay of concert by Royal Naval Volunteer Reserve Band from De Luxe Theatre (Conductor, Harry Baker).

CHRISTCHURCH 980 kc. Sunday 4.

2.0: Selected recordings.

5.30: Children's song service by the Salvation Army Young Brigade. 6.15: Musical chimes from the studio.

6.30: Selected recordings.

7.0: Relay of meeting from the Salva-tion Army "Citadel," Victoria Square. Speaker, Ensign Neeve.

8.45: Relay of programme from 4YA, Dunsdin.

4YA

DUNEDIN

550 kc. Sunday 4.

2.0: Selected recordings.

5.30: Children, by Big Brother Bill.

6.15: Selected recordings.

6.30: Relay of evening service from St. Andrew Street Church of Christ. Preacher, Pastor W. D. More. Choir-master, W. H. McKenzie. Organist, Miss V. Stokes.

7.45: Selected recordings. 8.15: Band of H. M. nards, "Les Cloches de Coldstream Guards. Corneville" (Planquette)

Sunday

8.22: Baritone, Thomas Kennedy, "For "Dreams of Long Ago" (Nicholls); "If Taine Own Sake" (Barnard); "Bon Jour, Winter Comes" (Gideon). Suzon" (d'Hardelot).

Signora Martinelli-Reggiardo's 8.29:

Sextet, "Rebel Maid" Dances (Phillips). 8.39: Mezzo-soprano, Valerie Elliott, "Far, Far Away" (Thomas); "Caro Mio Ben" (Giordani).

8.46: The Sextet, "Santiago" (Nor

8.51: Tenor, Signor Giovanni Stella, "Elegie" (Massenet).

8.56: Recording (Cornet), Jack Mackin-osh, "Carnival de Venise" (Arban); (Arban): "Zelda" (Code).

9.0: Weather report and notices.
9.2: Recording, National Military Band,
"Ballet Egyptien" (Luigini).
9.9: Soprano, Miss Clare Dillon,

"L'Ete" (Chaminade); "To a Wild Rose" (McDowell).

9.17: The Sextet, "The Rose's Honey-moon" (Brutton); "Dreams of Home" (Englemann).

9.25: Baritone and Chorus, J. J. Devereux and the Stella Musicale, "The Torendor" (Bizet). 9.30: Recording (Piano), Mark Ham-

bourg, "Hark, Hark, the Lark" (Schubert); "Jardins Sous la Pluie" (Dehussy)

9.36: Contralto, Mrs. Edward Stone,

9.42: The Sextet, "Romance of a Rose" (O'Connor); "Gipsy's Wooing" (Trin-

9.50: Tenor and Chorus, Signor Stella and Stella Musicale, "Gloria" (Buzzipec-

9.56: Recording, Grand Symphony Or-chestra, "Japanese Lantern Dance" (Yoshitomo).

NEW PLYMOUTH 1230 ke Sunday 4.

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.

World Radio News

IT is often debated whether performers at the microphone are them was in communication with Rugby, selves listeners and whether they are Britain, and when beyond Colombo, thus able to put themselves in the shoes was still in touch with Ocean Gate, of the man at the receiver. So far as Spain is concerned, the question is communicate with friends ashore.

cleared up to a certain extent by a new regulation which enacts that no one may act, speak or in any way perform before a microphone unless can show a wireless license receipt and has owned a receiver for more than three months.

THE Saigon station has been compelled to appeal to the French Press for financial assistance, as the Governor-General of Indo-China has declared his inability to continue the annual subsidy granted to defray the expenses of a daily programme. Failing pecuniary help, Saigon will be forced suspend its concert transmissions.

A FTER ten years of comparative indifference to broadcasting, Portugal has awakened interest by the project of erecting a 20 k.w. transmitter at Lisbon. Listeners' leagues have been formed throughout the country, and the postal authorities hold up the British system as the model.

DURING a world cruise of the Empress of Britain, the facilities afforded by wireless were clearly de-monstrated, in that the vessel was in touch with nearly every country possessing stations. At Yokohama she U.S.A. Passengers were permitted to



New Reduced Prices for COLUMBIA BATTERILS

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Make your next battery a Columbia. Obtainable from all dealers.



1ZR Programmes

Friday, August 26.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15-2 p.m.: "Mensana." 5: Dinner music. 6: Children's session, Uncle Cam and Fairy Princess. 7: Mr. Bill Hindman, "Sport." 7.30: Relay of community singing from Lewis Eady Hall; song leader, Vernon Drew. 9-10: Studio concert.

Saturday.—10.30 a.m.: Devotional service, Rev. C. Strand. 10.45: Music. 1.30 p.m.: Close down. 2.30: Relay of Rugby League match at Carlaw Park. 5: Dinner music. 6: Children's session, Polly Flinders and Jack the Giant Killer. 7.15: Mr. W. A. Moore. 8: Popular programme. 10-11: Dance session.

Sunday.—9 a.m.: Uncle Tom's Children's Service. 9.45: Uncle Scrim conducting Studio Church Service with dren's Service. 5.35: Unite Surm conducting Studio Church Service with IZR Broadcasting Choir, under direction of Mr. J. Whitley McElwain. 6: Music. 6.15: Miss Baker's Church of England children's service. 7: Relay of Mr. A. H. Dall.more's Mission Service from Town Hall. 8.30-9.30: Studio standard

Monday.—10.30 a.m.: Devotional service, Mr. Garner. 11.15: "Maorilander"—"Titbits." 2 p.m.: Close down. 5: Dinner music. 6: Children session, Hoppy. 7-7.30: Music.

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

Wednesday.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15: "Narium." 2 p.m.: Close down. 5: Dinner music. 6: Children's session, Uncle Tom and Miss Muffett. 7.15-8: Speaker.

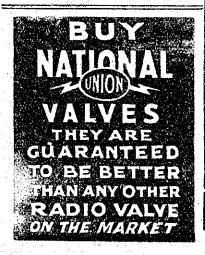
Thursday.—10.30 a.m.: Devotional

Thursday.—10.30 a.m.: Devotional service, Uncle Scrim. 11.15: Mr. Norman Kerr, "Physical Culture. 2 p.m.: Close down. 5: Dinner music. 6: Children's session, Wendy. 7.15: Mr. F. R. Field, "The Earth's History." 8: Oil Company's programme. 10.11: Dance

2ZW Notes

A SERIES of building and constructional talks will be given on Wednesday evenings at 7.30. His Worship the Mayor, Mr. T. C. A. Hislop, gave the first talk of this series on Wednesday, the 17th inst., and in the course of his talk demonstrated how, if various small renovating jobs were put in hand this work would help to relieve the present unemployment difficulties.

Arrangements are being made with various architects and businessmen of note throughout the city to present these talks, which, it is anticipated, will find favour with many listeners.



PRIVATE STATION **PROGRAMMES**

2ZW Programmes

Tuesday, August 23.-7-8.30 a.m.: Smokers' breakfast session, provided by the Dominion Tobacco Co. 10.: Devotional service. 10.15: Session for womenfolk. 11.45: Pianoforte recordings. 12 noon-2 p.m.: After-dinner music. 7.30 Health alk by Mrs. D. W. Adamson. 8: Weather forecast and station announcements. 8.5: Concert programme. 10: Dance session. 10.55: "Good Night Waltz" and close

2 p.m.: Lunch session.

session, conducted by Auntie Joan and Uncle Toby. 7: After-dinner music. 7.30: Weekly building talk by a member of the New Zealand Institute of Architects. 8: Weather forecast and station announcements. 8.5: Tabloid revue by the Merrymakers. 8.30: All-British concert programme. 10-10.55: Dance programme, including relay of Mr. Frank Crowther's Orchestra from the Majestic Lounge.

Thursday, August 25.—7 a.m.-8.30: Smokers' breakfast session. 10: Devotional service. 10.15: Session for womenfolk. 11.45: Pianoforte recordings. 12 noon: Lunch session. 2 p.m.: Close down. 3: Talk by Miss Madge Thomas. Wednesday, August 24.—7 a.m.-8.36: tional service. 10.15: Session for women-Smokers' breakfast session. 10: Devo-tional service. 10.15: Session for women-folk. 11.45: Planoforte recordings. 12-down. 3: Talk by Mies Madge Thomas. 2 p.m.: Lunch session. 5-6: Children s 3.30: Quality musical programme, 3.30-4:

Solving the Unemployment Problem

An appeal broadcast from Station 2ZW by His Worship the Mayor of Wellington, Mr. T. C. A. Hislop.

men who in normal times have been workers engaged through the Governdirectly employed by the building trade. It is therefore clear that if we can succeed in stimulating building activity the unemployment situation in this city will be substantially improved. If we can increase the activities of the building industry, certainly one of our key industries, all other industries must share in the benefit.

How can citizens to-day help to put men, now on relief work, back into heir normal occupations in the building industry? The answer is simple.

Put in hand now all necessary re pair and renovation work. The longer you delay this the greater is the depreclation of your property, the greater the ultimate cost. A stitch in time saves nine. Of nothing is this more true than of buildings. Thousands of houses in Wellington to-day require minor repairs, spoutings, drainpipes, renewal of boards, painting and the thousand and one items in a house. The longer delayed the greater the job that ultimately must be done, and therefore the greater the expense. It is sound business to do these jobs to-day; it is not only better for the individual, but in helping himself he helps the whole community.

Start on your repairs now, no matter how small they be, each one job helps. "Many a mickle makes a muckle."

Two thousand jobs of £10 will give a total fund of £20,000 to put good men, our fellow citizens, back in their normal employment, and will start a flow of money through useful channels in the community and so help us on our road to national restoration.

Building costs to-day are the lowest for a period of 20 years. Take the benefit of the fall in costs. Take the further benefit that is just now available of the Government subsidy on

NE-THIRD of the registered unem- labour costs. The Government pays toployed in Wellington to-day are day a subsidy on all labour costs for



Mr. T. C. A. Hislop.

ment Labour Bureau. Therefore, if you do your jobs to-day you gain three definite advantages:-

- (1) You save further depreciation to your property and avoid ultimate greater expense.
- You get the advantage of costs, the lowest for 20 years.
- (3) You gain the advantage of Government subsidy.

Therefore, what you do to-day you can do more cheaply than ever before, and I think, more cheaply than you will be able to do the work in the future. Therefore now is the time.

Above all, while directly benefiting

yourselves you help your city and your country and all those of your fellowcountrymen and countrywomen who Price 1/6. are in distress to-day. Do it now,

Relay of afternoon tea music. 5-66 Children's session, conducted by Ladybird and Uncle Kirk. 7: After-dinner music. 7.30: Talk by the Rev. Fielden Taylor. 8: Weather forecast and station announcements. 5.5; High-class tion announcements. 8.5; High-class musical programme: 10-10.55; Dance pro gramme.

Friday, August 26.—7-8,30 a.m.: Smokers' breakfast session. Silent re-mainder of day. August 26.-7-8,30

Saturday, August 27.—7 a.m. 8.30: Smokers' breakfast session. 10: Devo-tionel service. 10.15: Session for womenfolk. 11.45: Pianoforte re-cordings. 12.2 p.m.: Lunch sescordings. 12.2 p.m.: Lunch session. 7: After-dinner music. 8: Weather forecast, station announcements, and sporting review. 8.5: Popular concert programme. 10-11.55: Dance programme, including relay of Mr. Frank Crowther's Orchestra from the Majestic Lounge.

Sunday, August 28.—11 a.m.; Devotional service by the padre, 6.30; p.m.; Eventide session of music. 7: Relay of evensong from St. Paul's Pro-Cathedral, Mulgrave Street. 8.15 (approx.): High-class musical programme. 9.55-10; Epilogue

logue.

Monday, August 29.—7 a.m.-8.30;
Smokers' breakfast session. 8.30-10; Derotional service. 10.15; Session for
womenfolk. 11; Weekly first aid talk by
Mr. C. Meachen, secretary of St. John's
Ambulance Association. 11.45-12 noon;
Pianoforte recordings. 7; After-dinner
music 8; Weather forecast and station
announcements. 8.5; Popular concert programme, including wrestling relay. 1010.55; Dance programme.

Empire Short-Waver

Directional Antennae

THE new Empire short-wave station now in course of erection at Daventry, will be directional. In consideration of the wide angle subtended by the extreme limits of the Empire, five zones have been allocated, and each will have an aerial or aerials in accordance with the daylight demands. Zone 1: Australia, New Zealand, and Pacific Islands, will have one arrial only as the most suitable wave band will be in the neighbourhood of 25 metres. Zone 2: India, Burma, and Malaya, will require three wave-lengths and three aerials, one each in the 17, 25, and 32-metre bands. Zone 3: Iraq, Egypt, East Africa and South Africa, will have two wave-lengths and two aerials, viz., 14 and 32 metres, the former for when daylight exists over the whole route. Zone 4: West Africa, including Nigeria and the Gold Coast, and the Atlantic Islands (Tristan da Cunha and the Falkland Islands), will have two wave-lengths and two aerials, viz., 32 and 48 metres. The latter aerial will be arranged to cover both zones 4 and 5. Zone 5: Canada, West Indies, Trinidad, Betish Guiana, and the Pacific islands, will require three wave-lengths and three aerials, viz., 19, 32, and 48 metres, respectively.

In addition, there will be created six omnidirectional aerials (one for each wave band), for use at times when daylight considerations demand. In all there will be 17 aerials.

Radio Simply Explained in "QUESTIONS AND ANSWERS IN RADIO."

6. All booksellers and dealers, or Box 1032, Wellington.

Short-wave News

Java Shortwave Statious.

RECENT advice from Bandoeng, Java, states that they have five transmitters in regular service. They are: PMB, 14.6 metres; PLE, 15.93 metres; PMC, 16.56 metres; PLV, 31.86 metres; and PLY, 58.3 metres. regular weekly broadcasts on Wednesday from 1.10 a.m. to 3.10 a.m. (N.Z.T.) are always by PLE and PLV, and sometimes by PMY.

Schedule of CTIAA.

CTIAA, Lisbon, Portugal, working on 31.25 metres, transmits a programme of music every Friday and Saturday from 8.30 a.m. to 10.30 a.m.,

South African Shortwaver.

THE shortwave station ZTJ, on 49.4 metres, has recently been heard in Australia from about 3 a.m. to 4 a.m. (N.Z.T.), when they close for an interval, before commencing the main session at about 4.30 a.m. The items heard consist of a musical session, children's hour, news and market reports in English, followed by a Dutch session. According to other reports, ZTJ remains on the air till 7 a.m., our

This South African station has not been reported in New Zealand yet, this country being very difficult to "raise" in New Zealand, except further north, 7LO Nairobi and Radio Moroc (Morocco) have often been heard when conditions are favourable.

Have You "H.A.C."?

A POPULAR English radio journal started a "H.A.C." (Heard all Continents on telephony) Club several years ago, but apparently there were not many readers who qualified. wonder how many there are in New Zealand who have heard the six Continents?

Until quite recently, South America and Africa were difficult to get, as there were not any regular shortwave broadcast stations. Even now, both these continents are only heard at irregular periods, "patchy." as conditions are

Log for Week Ending August 20

RV15, Siberia, 70.1 metres: Back to its usual volume, with the usual amount

50.5 metres (about): Tuned in about 4.20 p.m. on Saturday; music was heard at R3, with foreign announcements, which I think was Spanish. It war probably one of the low-powered stations in Central or South America They closed down at 4.40 p.m.

RV59, Moscow, 50 metres: Much

weaker now toward 8.30 a.m., about

R3 recently.
W8XAL, Cincinnati, 49.5 metres: WSXAL, Cincinnati, 49.5 metres: Only heard on Wednesday, when they

were fair quality at 4 p.m. at R7-8.

W9XF, Chicago, 49.18 metres: Wednesday, 4 p.m., R8, gushy and noisy.
Saturday, same volume and quality till
5.30 p.m. as on Wednesday.

W8XK, Pittsburgh, 48.36 metres:
Wednesday and Saturday, from R6-7

Round the World on **SHORTWAVE**

Conducted by F. W SELLENS

nesday morning, when some children the average during the week, but each were singing. This was heard quite day rapid fading has spoilt reception. well at R8, with just a slight gushiness. Musical items continued, without any announcement, till after 8.50 a.m., when volume had dropped to R5, and background noises had increased spoil reception.

PRVA, Rio de Janeiro, 31.58 metres: Heard for a short time on Tuesday from 10.20 a.m. till 10.35 a.m. at R3.

VK3ME, Melbourne, 31.5 metres: Saturday, from 9.30 p.m. at R9, fading almost right out at times, but not distorted during fading as they are very

OXY, Denmark, 31.51 metres: Just audible on Tuesday at 8 a.m.

W2XAF, Schenectady, 31.48 metres: Is audible early, but does not increase in volume till about 2 p.m., when some gain is noticed, reaching R8-9 by

Zeesen, Germany, 31.38 metres: Best every morning about 8 a.m., when they are up to R8 or 9. Volume slowly decreases, till about 9.30 a.m., when there usually only a weak signal.

W1XAZ, Springfield, 31.38 metres: The same remarks apply to this station as to W2XAF; they are very near the same, both in volume and quality.

VK2MÉ, Sydney, 31.28 metres: Very good at R9 during both of their Sunday sessions, also on Monday morning till 8 a;m., when the week-end international shortwave programmes conclude from this station. Although volume is stated at R9, fading is very severe, so that at times the station is almost inaudible.

CTIAA, Lisbon, Portugal, 31.25 metres: Friday and Saturday, opening at 8.30 a.m. with a musical item, followed by the cuckoo call and nouncements in several languages, including English. Volume on Friday was R5 at 8.30 a.m. to R4 at 9 a.m., fading out soon after. On Saturday, volume was a little less, fading out

31 Metres (about): On Thursday and Saturday evening a Jap. was heard on this wavelength. The carrier was strong, but talk and music much weaker.

JIAA, Japan, 30.5 metres: . Starts about 9 p.m. each evening, usually about R9, but has been weaker several times.

EAQ. Madrid, 30.4 metres: Daily from 11 a.m. till 12.30 p.m. at about RS. This is the only transmission that it is possible to hear from start to finish from a distant shortwave station, with the exception of Paris.

Radio Colonial, Paris, 25.6 metres: Best now about 8 a.m. at R9, volume going off a little later, but fair strength

till closing at 10.30 a.m.
G58W, Chelmsford, 25.53 metres: Not one good morning during the week, being gushy, or rapid fade all the time. Volume about R7 at 8 a.m., to very weak by 10.30 a.m. At 11 p.m. they are coming back; on Tuesday and 4 p.m., to R8-9 when closing at Thursday they were R3 at this time, but gushy as usual.

38.8 metres (about): An interesting stranger tuned in at 8.10 a.m. on Wedata 8 a.m. to R4 by 9.30 a.m., has been

W8XK, Pittsburgh, 25.25 metres: Were on this wavelength till 1.30 p.m. on Monday and Tuesday, and till 2 p.m. on Wednesday and Saturday. They are about R6 when signing off, but only become audible about mid-day. They are sometimes just audible about 8 a.m. for a short time. They open at 6 a.m., our time.

KKW, Bolinas, 21.7 metres: I only heard this station on Monday, when they were R5 at 3 p.m., with Japanese

W2XAD, Schenectady, 19.5 metres: On Friday at 7.45 a.m., this station was very good at R7, except for slight fades. They were down to B3 at 8.30 a.m., and faded out soon after. On Saturday they were better at 8.45 a.m., being R5, but soon went off. They being 1to, out soon went oil. Iney were giving details of a programme to be transmitted by W2XAF in Greenwich mean time. When this station is heard, which is not often, they are always noticably clear of static any background noises.

N.Z. Short Wave Club Notes.

From the Secretary's Pen

PROM the diagram of the two-valve circuit which we are going to release I have no doubt that it will make the ears of all shortwavers tingle. The designer states that it will give the kick required

by the listener, and will give loudspeaker results on foreign stations when before they were only headphone strength. This modern set is to be built on metal chassis,

results on toreign stations when before they were only headphone strength. This modern set is to be built on metal chassis, and will be presented firstly as a d.c. circuit. It is stated that it has brought in signals as lond as those obtained on an outfit comprising s.g. radio, detector and two audio. It will no doubt make quite a stir in New Zealand.

So rapid has been our growth that we have had to invest in office appliances to cope with the business. If h new secretary were to take on my job he might get fed up with answering letters and getting few replies, but the position is, 75 per cent. of the inquirers do join up though it may be a little later on; in fact, were it not for the times we are experiencing it would be impossible to cope with the work unless full time were devoted to it.

Members appreciate the work of the DX Club in drawing attention to various causes of interference suffered by the listeners, and it is likely too that the club will shortly make a move in this direction, as we are receiving a number of complaints.

The suggestion of a transmitters' section has aroused interest; should this eventuate it will be controlled by the transmitting members themselves. As a number of members, including one of the "heads," are almost ready to sit for the evamination, this should be an enthusiastic section. This iden is to assist those members who are interested in transmitting, and will thus keen them in the club. Write now and I will tell you all about the club. My address is: A. B. McDonagh, secretary, N.Z. Shortwave Club, 4 Queen Street, Wellington.

Radio in Europe

A CCORDING to recent statistics collected by the Reichsfunk in Germany, one out of every four families throughout the country is in possession of a wireless license; of these families 47.6 per cent. belong to the working

MANY French wireless associations have lodged protests with the authorities in regard to the medical lectures broadcast by some stations during the luncheon hour. In their opinion the subjects chosen are not likely to whet the listener's appetite!



thrash reluctant industry into a state

of greater vitality and productivity.

The next village on our journey is marked "Biological Discoveries," a village which has increased greatly since the beginning of the century. Here one sees at work those engaged in the study of life in all its many phases. One of the most modern buildings in this village is labelled "Biological Con-trol of Disease and of Plant Life." Here methods are evolved for curbing the activities of plant and animal diseases by the discovery of parasites, which prey upon and thus keep in check such diseases and pests as prickly pear, woolly aphis, blowflies, etc.

No more spectacular achievement in this direction has ever been seen than the checking of the prickly pear in Australia by means of the cochineal, red spider and other insects. In 1920 a part of Australia greater in area than the whole of Great Britain was covered with dense impenetrable jungle of prickly pear, and the pest was increasing at the rate of a million acres per year. Scientists searched throughout the world wherever the prickly pear existed to find out what insects were holding the pear in check. Specimens of these insects were then taken to Australia, and after careful testing on other plants to make sure they were not likely to attack other vegetation they were set free. The results have already exceeded the most sanguine expectations, and prickly pear land in Australia is once again being brought into cultivation. Similar methods have been successfully used by the Cawthron Institute, Nelson, to eradicate that orchard pest, woolly aphis, while an attack on similar lines is being made upon gorse, ragwort, bidi-bidi, blowfly and blackberry.

Medico-Biological Research,

A VILLAGE in our scientific world closely connected with the village of Biology is that labelled "Medicobiological Research." Here it is that such diseases as yellow fever have been investigated. investigated, where Ross was able to trace the infection to the bite of a particular kind of mosquito, so that the problem resolved itself into "no mosquito, no fever." Here, too, those notable advances in the study of bacteria which have been of such importance to mankind have been made,



Science to the Aid of that it is now possible to obtain over to of coal (over 60 per cent conversion) Civilisation

(Continued from page 3.)

village bears the name of Pasteur, hon- in the spruce tree. oured throughout the ages. His scientific investigations on yeast, prompted by a brewing difficulty, led him to the discovery of the causes leading to fermentation; the existence and behaviour of bacteria, to the pasteurisation process, to the cure of anthrax and hydro-By his discoveries he has transformed not only the brewing, yeast, dairy and cheese industries, but has led to the rise of many similar processes which have made possible the production of lacquer solvents, used now in such enormous quantities for the motor-car. In fact, we may truthfully say, "No Pasteur, no duco finish to the family car."

Another branch of work deals with plant-breeding. Here, for example, a cross between a high yielding English wheat and the frost-resisting wheat of S. Sweden has been made, leading to a new race of wheat which has increased the wheat production of Sweden by 50 per cent. without another new acre being sown. Similar work on these lines has for some time been going on at Lincoln College in the endeavour to combine the high yield and wind-resisting qualities of our local Tuscan wheat with the exceptional baking qualities of Canadian wheat, so also to obtain improved varieties of clover, cocksfoot and rye-

Plant-breeders have also managed to breed a type of tobacco plant which is, free of nicotine, but which retains those desirable flavours and aromas so dear to the heart, or rather the palate, of the smoker. Again, the lupin has certain possibilities as a fodder plant on light sandy soils, but the presence of bitter poisonous substances in stalk and leaves has limited its use to greenmanuring, but the recent isolation of a few non-poisonous plants has opened up new possibilities. A few such plants have been isolated from over a million and a half plants tested, and these have bred true, giving non-poisonous progeny. It is expected that in a very few years large crops of edible lupin will be grown on light sandy soils, making a most valuable green fodder.

Chemical Discoveries.

OUR journey now brings us to a rather large village almost worthy of the name of city, labelled "Chemical Discoveries." One of the most notable contributions in this respect deals with the modern exploitation of the tree, both in its growing state and in its fossilised form, known as coal. Trees are now fashioned by the hand of the chemist, and there emerges artificial silk, dyed in every imaginable shade of colour by the aid of coal-tar dyes. So great has this industry become, that in one year England alone produced over 400,000,000lb weight of artificial silk. most of which found its way into ladies' dresses. And so the sons of Adam have returned to the forest for the adornment of their women-folk, the

The first house to be built in this fig-leaf finding its modern counterpart

Most of the dazzling colours which appeal so strongly to the feminine eye are made from materials extracted from ordinary tar, whilst other substances obtained from tar, such as carbolic acid, are converted into sheepdips, disinfectants, resins, and hard waxes, such as bakelite. What the chemist will do in a few years' time



Hilda Hutt,

who will contribute several soprano solos to 3YA's concert programme on Friday, September 2.

cannot be forefold, but new fabrics will assuredly come. Synthetic wool and clothing made from it have already been reported, enough to make the woolliest of sheep tremble for the fate of its offspring.

Fossilised wood or coal is also receiving a good deal of attention from a devoted band of chemists. The growing use of powered coal, especially when mixed with oil, offers great possibilities for a more economical conversion of coal into steam power, but a more significant development is in the production of petrol from coal. A commercial process has been working for about twenty years which enables the rather rancid fish and whale oils to be changed into solid elible fats suitable for making margarine. This is done by blowing the gas hydrogen through the fish-oil in the presence of finely-divided nickel.

The same process is made use of in soap manufacturing, so that comparatively worthless vegetable and fish oils after such treatment are now used in the manufacture of high-quality soaps.

Recent work has shown that coal, when treated with hydrogen under pressure in the presence of certain accelerators is largely changed into petrol. Most of this work in England has been done at the huge I.C.I. factory near Newcastle, and so great has been the success attending the efforts of these men ton of coal (over 60 per cent. conversion by weight) at a cost of 7d per gallon. Of course this cannot yet compete with the natural petrol, which can be landed in England at about 4d per gallon, but a few more improvements in the process will see synthetic petrol on the English market produced on terms strictly competitive with the natural product.

Such an event is, of course, highly desirable, as it would put the British coal industry once again on its feet. enabling it to enter once again into competition with oil fuel.

One other huge chemical industry deserves mention—the manufacture of fertiliser from the air. It is now many years since we were told that the day was fast coming when the arable lands of the world would fail to produce sufficient food for the teeming population of the earth. Although many may not now be receiving their full quota of food, this is due to the temporary failure of the world's methods of distribution rather than of production, and there seems no doubt that the critical period of world starvation has been passed. The production of such fertilisers as ammonium sulphate in hundreds of thousands of tons from the air by the aid of electricity at a relatively small cost has laid to rest, probably for all time, the bogey of worldstarvation.

Scientific and mechanical inventions and discoveries have often brought in their wake grave dislocation of labour, but science can scarcely be blamed for that. The statesman and the politician should be able to follow the trend of world affairs and apply the necessary utilised in the fullest degree for the benefit of mankind. After all an invention is what we make of it.

The scientist has given us the wire-

less, but it would be palpably unjust to saddle him with the blame for all the stuff sent over it. For more than a century chlorine served a useful purpose as a disinfectant and a bleaching agent before its diabolical use as a poison gas in the Great War!

Finally, let me conclude with a few words left us by that great scientific benefactor, Pasteur: "Two opposing laws seem to me now in conflict. The one, a law of blood and death, opening out each day new methods of destruction, forces nations to be always ready for the battle; the other, a law of peace, work and health, whose only aim is to deliver man from the calamities which beset him. The one seeks violent conquests, the other the relief of mankind. The one places a single life above all victories, the other sacrifices hundreds of thousands of lives for the ambition of a single individual. Which of these two laws will prevail God only knows. But of this we may be sure, that Science, in obeying the law of humanity, will always labour to enlarge the frontiers of life. I believe that Science and peace must triumph over ignorance and war, that nations will unite not to destroy but to instruct one another, and that the future will belong to those who have done most for suffering mankind."

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S-O-S

TRAVEL IN COMFORT BY CAR

WELLINGTON - PALMERSTON NEW PLYMOUTH



THE series of talks, "Music and Beauty in Many Lands," by Mrs. Gordon Robertson, 1XA, are, I know, listened to by many with interest and appreciation. Her previous lecturettes have embraced England, France, the words of Nietsche, "Be master of life East, Russia, and Finland, and the and not its slave." work of these countries, principally in respect of music. Mrs. Robertson has surely a strong poetical streak in her make-up, for she has a charming way of expressing her thoughts. In comparing the northern nations with those of the south, like Germany and Italy, for instance, she pointed out the effect of climatic conditions on the different peoples. The further north one goes from the equator, the sterner and hardier are the virtues displayed by peoples; the fierce battle with the elements and with the rigours of the countryside developing these qualities. but the further south, the gayer and more charming qualities develop-love of beauty and of grace, courtesy, and charm."

Mrs. Robertson spoke chiefly of Germany, whose political crisis is at the moment occupying the minds of most of the peoples of the world. Even the art of the theatres is pervaded by politics to an extent unknown to us. A spirit of politics has also crept into strife, the youth movement, which is so great a feature of modern German life. This is a cult of development of the young, chiefly as regards physical training. Boys and girls are making a great cult of the body, and a mighty nation is being reared physically as well as mentally.

It is interesting to notice that one of the leading composers, Paul Hindemith, has been identifying himself with this movement in music. His compositions, although modern, are likeable. because he teaches us new harmonic experiences, new problems of hearing and of execution, tiding us over into more unaccustomed things and showing us that they may be quite agreeable and easy to grasp. This he does for the youth of Germany and for the world.

IN addition to the beauty of the country itself, and its renaissance in building which has resulted in the development of a complete new style of architecture, Mrs. Robertson spoke of the old days of courts and castles and great dukes and princes who were patrons of the musicians whose names ring down the halls of time. Those were the days of the thrice glorious Bach, of Mozart, and Beethoven, Schumann and Schubert, and Brahms, famous names that will never be forgotten. Then comes Richard Wagner, whose medium was opera alone, and in his work are all the forces of human nature and of the supernatural also. It is interesting to note that Wagner was for a long time the friend and idol of Nietsche, that vigorous optimist and battler, who acted on Germany like a tonic. "Be the master of life and not its slave," and in Wagner's music that Smoked cod's roe, mashed with vigorous supernormal strength rang lemon juice and pepper, makes unusuand echoed.

THE children's educational session (2YA) this week had quite a number of interesting features. First there was an address by the Rev. R. S. Watson on "The League of Nations," one of the most interesting on this subject that I have heard, as it was given by one who had experienced the full measure of the horrors of modern warfare. Mr. Watson spoke of early endeavours to abolish war, dating back to 546 B.C., when several independent Chinese States held a conference to discuss the possibility of achieving this object. During the Christian era many conferences have been held under the auspices of European rulers. Latterly all of anti-war organisations, culminating in the "Holy Alliance," which was the foregoing, however, were attempts but the League with its headquarters tions Geneva occasion is the first in which the people of the world have demanded that international disputes shall be settled by discussion, tures have been the sport of man

evermore.

Two principal countries who are not represented at Geneva, and who made is immense sacrifices in blood and money, an are Russia and America, and it is have so far prevented these countries from assisting in the preservation of civilisation. Mr. Watson spoke feelinghuman, and his talk to the scholars should incite an enthusiasm for tolerance and respect for other nationals. which the present very erratic world urgently needs.

A NOTHER very interesting talk during the 2YA educational session was that by Mr. Wilson, This was great wars have seen the establishment about the koala, or Australian bear. of anti-war organisations, culminat- On the Pennant Hills, some miles out of Sydney, is a park in which these formed after the Napoleonic wars. All delightful animals may live unmolest-Thousands of eucalyptus trees by princelings to abolish international have been grown, and it is hoped that of Na- many thousands more will be plantat ed shortly, as the leaves of this tree provide the only food on which the bears live.

Vast numbers of these harmless crea-

In this talk Mrs. Robertson has tried From the beginning to the end of the until only a comparatively few reto show us a little of what lies behind last Great War recruits and the public main. They have frequently been German music, the soul of a people generally of every nation were told that known as the "Teddy bear" of Ausphilosophical and vigorous, thorough the war was one to abolish war, and tralia, a name which is regrettable, and full of force, and ends with the many a brave soldier went to his grave as a Teddy bear commemorates confident that the ultimate end of the America's illustrious President Theo-conflict would be universal peace for dore Roosevelt, and therefore has no connection whatever with Australia. A more appropriate name given them "gum babies." These lovely little animals, who nurse their young like humans and cry like humans in soramazing that selfish sectional interests row, tears running from their eyes, are the most fascinating species of Australia's fauna, and it is nothing short of scandalous that they have ly and with regard to the individual not had man's protection in the past. Their friendly nature makes them absolutely fearless of man, and I have often played with some that had probably never seen a human being before.

> connection with my paragraph anent the Press recently deploring the neglected state of the Wakefield graves, J.C.M. writes that these have lately been attended to, and that it has been suggested that an eminent gentlewas at one time a most deplorable state with the grateful remembrance that the Dominion should hold for its founder .. I remember that newspaper attention was needed to draw notice to the neglected state of Governor Hob-

man who has interested himself in the matter, together with the zeal of the Early Settlers' Association, have been responsible for the rectification of what of affairs. Everyone will trust that the grave of the great "maker of New Zealand" will in future be in keeping son's grave in Auckland, a condition which was very soon altered once the public became aware of the fact.

MLLE, SUZANNE LENGLEN, who is considered to be the most perfect woman tennis player in the world of all time, may become an amateur player again, and so upset the career of supremacy that has been entered on by Mrs. Helen Wills-Moody, the American. For the first time since she was "Queen of Wimbledon' Mlle. Lenglen visited Wimbledon this year, and saw Mrs. Moody, her successor to the tennis throne, win the women's singles championship for the fifth time. And now it is stated that Mlle. Lenglen, who is now 33, is contemplating applying for reinstatement as an amateur. It was four years ago that she decided to retire from the game and become an ardent collector of postage stamps. Later she accepted a post as saleswoman with a Paris dressmaking house. At that time she observed: "It was the English girls at Wimbledon who gave me the idea of going into sports fashions. When I The clothes should be well played there for the first time they came on the courts with long sleeves, flared skirts and any number of petti-coats." It was Mlle, Lenglen, I think, It was Mlle. Lenglen, I think,

who introduced the head-band or ban-

deau.

Hints for the Housewife

ginning to look shabby may be rene- several days. vated by sponging with clear strong coffee and ironing on the wrong side.

Coffee stains can be removed from delicate materials by brushing over the spot with pure glycerine. Rinse in lukewarm water, and press on the lukerourm ... wrong side.

Glass bottles or jugs that have become stained can be cleaned with thin slices of raw potato soaked in vine-These can be kept and used indefinitely.

Egg sandwiches are considerably improved if the yolk is separated from the white and mashed with curry powder. Spread this over the butter-ed bread, and then add the white of the egg, chopped small.

Cheese wafers make a popular sav-Grate half a teacupful of cheese and add a little made mustard, sugar and salt, and a dash of cayenne. Make into a paste with cream or milk and spread thickly on unsweetened wafers. Put into the oven for about fifteen minutes. Serve very hot.

ally delicious sandwiches. It requires flames.

Black silk garments which are be- no further cooking, and will keep for

Bay leaves should always be kept in the store cupboard, as they make a pleasant flavouring for milk puddings, custards and sauces, as well as for meat puddings and pies. The leaves will keep their flavour for a considerable period if after being picked they are well wiped, dried in a warm place and stored in an airtight jar.

Olled paper for the kitchen, greaseproof and waterproof, can be made at home. Take some sheets of strong white paper and brush them over on both sides with boiled linseed oil. Hang the sheets up till thoroughly dry.

Leather gloves which are stained with grease should be rubbed with toasted bread or with a mixture of fuller's earth and powdered alum.

Alum and phosphate of ammonia (121b. of each) dissolved in a gallon or less of water, can be used for rendering children's clothes practically uninflammable.steeped in the solution after every wash, and hung up to dry without wringing, as it is the salts left in the fabric that prevent its bursting into

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