

THE OFFICIAL ORGAN OF THE B.B.C.

Vol. 2, No. 26.

[6 P.O. as a Newspaper]

EVERY FRIDAY.

Two Pence.

OFFICIAL PROGRAMMES

THE BRITISH
BROADCASTING
COMPANY.

For the Week Commencing
SUNDAY, MARCH 23rd.

LONDON CARDIFF
ABERDEEN GLASGOW
BIRMINGHAM MANCHESTER
BOURNEMOUTH NEWCASTLE
SHEFFIELD (Relay)
PLYMOUTH (Relay)

SPECIAL CONTENTS:

STORIES AND STORY TELLING. A Talk by Stacy Aumonier.

THE MYSTERY OF THE MICROPHONE. By P. P. Eckeraley.

RADIO PIONEERS OF LONG AGO.

OFFICIAL NEWS AND VIEWS.

REVIVAL OF THE HARPSICHORD.

RATES OF SUBSCRIPTION to "The Radio Traces" (including postage to any part of the world) SIX MORTHS, 6s. 91.; Twatve Morths, 13s. 0d.

In Reply to John o' London.

By J. C. W. Reith, Managing Director of the B.B.C.

The following is a reply to the article by Mr. Wilfred Whitten (John o' London), emitted "The Lure and Fear of Broadcasting," reprinted in last week's "Radio Times" from "John o' London's Weekly."

I AM vexed with my senters. By her remesses I have lost an opportunity. I am on the look-out for opportunities at all times myself, but I keep a secretary to help me to find them. If she had not set abyped up, as the Americans say, I should have met John o' London." She has an interest on to volify me of the projected visits of orbitalise to 2, Savoy Hill. It does not imply that I turn out to greet them, but I just like to know about it. Perhaps the office boy get a me sage to be handy to take the personant has or the liftman to be ready to lift. Perhaps even I ask the Controller, or Director of Programmes, to be there to control or direct. But my organization has failed, "John o' London" has come and gone, and I wet not of it. As I said, I am vexed.

I was first made conscious of my loss when I read his letter to Go, and Magog, and felt a little hart by some of his remarks. In the first place, his description of the colour atheme is enough to frighten off the artistic and the temperaturated. When he comes again, as I hope he will (giving due notice), I shall show him that the earpet is blue, not green. Then again the artificial windows and not from the roof; it took a great deal of thought to get this right. I think that wait in the corridor till the red light west out must have upset him. The carridor is draughty. Had I been on the spot I should have piloted him gently but determinedly up to the reception room, where he would have had more comfort and retained a happier outlook on life and broadcasting.

Incidentally, I must have a look at those commissionaires again. They had not struck me as being ghostly. I am afraid they will

become supercilinus if they happen on John o' London's "letter. Anyhow, I shall heritate before sending one for a taxi again. But what if I tell our accountant people to try the effect of a shadow pay envelope on them?

As I read on in his letter I began to be disappointed. He indicated that some of his broadcasting friends are less enthus site than they were. Nevelty soon wears thin, yea What more natural I I am sure whom he comes again to Savoy Hill he will notice that somebody has just dropped a cigarette end outside the studio door, and that the announcer took an appalling liberty with the King's English. The novelte and the excitement will have in a measure passed. But I could still show him many new and interesting things that did not come within his purview before. When the minimum glamour of getting onlything by wireless has passed, one grows more stolid, rather blass, and one is always expecting something new and better. The chimes and the tolling of Big Ben heard echoing through all the wireless homes of the lape to thrill by a time-signal we must get the Time-gun on Battery Point, New York.

It is always interesting to meet a man who has never listened to broadcasting. I do not often have the chance. I hear my Company, my colleagues, myself, and all our operations discussed with engaging, if occasionally embarrassing candour, in the milway train, restaurants, everywhere. Only last week I vacated a favourite corner in a club because my neighbours were discussing broadcasting in general terms, and I wanted an off period after dinner. I found myself cavessing pping uneasily beside a group criticizing my last article in The Rudio Times.

I want to suggest in "John o' London" that there is a certain diffidence abroad. Broadcasting has found its way into every class of

Continued operleaf in column 3.)

A Burns' Problem Song.

The Story of "O Wat Ye Wha's in You Town?" By A. B. Cooper.

A NOTREE Barns puzzle has been spring John Syms, a personality we have met before in these song-stories, for he it was who was riding by the side of Burns, between Gatchouse and Kennure, as a storm of wind and min, on the occasion when the post composed "Scott-Who Hee

When Burns went to Pumifries to be an excisemen, he lived over the office of Mr. Syme, who had been appointed distributor of stamps there, in 1791-a much superior position to that which Burns held, although they were much of the same ago. But Mr. Syme was a howyer and Robbie "Ruras was only a post.! But Syme was a good fellow, fond of entertaining on a sumewhat lavish scale, and Burns was always as honoured guest on great occasions, whilst the two men in private were great

Syme remained the poet's good friend to the last, was one of the executors of his will, and spont some time at Liverpool helping Currie with his famous edition of Borns a works,

A Cryptic Letter.

Now, so the two men lived in the same town, few letters passed between them, but one of these has just now taken a new lease of interest for all Burns lovers. Here it las-

"You know that among other high dignities, you have the benome to be my supreme court of critical judicature, from which there is no appeal. I enclose yet a song which I composed since I saw you, and I am going to give you the history of it. Do you know that among much that I admire among the characters and manners of those great fulk whom I have now the honour to call my acquaintances, the O _____ family, there is nothing charms me more than Mr. O's unconcessable attachment to that incomparable

A Poel's Despuir.

"Did you ever, my deer Syme, neet with a men who owed more to the Divino Civer of all good things then Mr. C.? A fine fortune; a pleasing exterior; self-evident amiable dispositions, and an ingenious upright mind, and that informed too, much beyond the usual run of young fellows of his nank and fortune; and to all this, such a woman! but of her I shall say nothing at all, in despair of saying anything aries note.

"In my song I have endeavoured to do justice to what would be it's feelings on meing, in the stone I have drawn, the balitation of his Lucy. As I am a good deal pleased with his Lary. As I am a good deal pleased with my performance, I, in my first fervour, thought of sending it to Mrs. Cl.——, but on second thoughts, perhaps what I offer as the most housest increase of genuina respect, might, from the well-known character of poverty and poetry, he construed into some modification or other of that servility which my send abhors.

Who Was Mrs. 0-7

Now out of this letter at least two questions seise. Who were Mr. and Mrs. O- 1 was the song, supposed to be written by the amiable husband to his wife its the days of constable, when looking at the distant "town," or ferm-house, in which the fair lady dwelt?

Inothertally, it may be noted that the use of "town" for "farm" is good Old English.

The song which Burns suckeed with his

letter to Mr. Symn is given in the peak column. The answer to the second question is that the lady whom Burns so evidently admired was Mos. Cavald, who, after five years of happy married life, died in Liebon a short two years after the death of the poet. Burns a biographer describes her as a " most accomplished and most lovely woman, worthy of the beautiful strain of sensibility which will convey some impression of her attraction to other generations,

And now a strange thing has come to light. On March 11th were sold for £350 at Sotheby's salerooms some pages of Burne's escise book, upon which a written, in the hardwriting of the poet, not only notes of exciseable seticles like ten and tolmcoo, but this very poem, yet with some alreage and astunishing departs from the secepted version printed herewith. The fourth stanza, for instance, read as follows:-

Sweet blink the san on you town Among the broomy brace see green. But my delight in you town, And dearest pleasure is my Jone." In fact, Jean is substituted for Lucy through-

O seat ye what in you town, Ye see the croing sun upon? The fairest dame's in you town, These coming sun is shining on.

Now hapty down you gay green shaw, She wanders by you spreading tree; How blest ye flow'm that mind her blaw, Ye catch the glances o' has a's.

How blest ye birds that cound her sing, And welcome in the blooming year, And doubly welcome be the spring, The season to my Lucy dear,

The sun blinks blithe on you town, And on you beam brons of Ayr; But my delight in you town, And dearest blee is Lucy fair.

Without any love, not a' the charms O' paradise could yield ma joy; But gie me Lucy in my arms, And welcome Lapland's dreary sky.

My cave wad be a lover's bower The raging winter rout the air; And she a lovely little flower, That I wad tent and dielter there.

O sweet is she in you town.
You sinking sun's gone down upon;
A fairer than's in you town,
It is setting beam ne'er shone upon.

If angry fate has sworn my fee, And suffering I am doom'd to bear I cureless quit sught else below.

Hut spare me, spare me, Lucy door.

For while life's dencest blood is warm, As thought free her shall un'er depart.

And she—as fairest in her form!

She has the truest kindest beart.

est, and there is no mention of Ayr. New, there was only one Joan for Burns, and that was Joan Armour whom he married, is whom he addressed some of his sweetest songs, and of whom he wrote: Never man addred a woman more than I did her."

It has always been supposed that Bursa wrote the song printed above when storm-bound at Ecciefechan, fazores to-day as the histhplace of Thomas Carlyle, in February, 1790, and from whence he sent it to his friend in Dumfries. Now, did he write it there, or did he only revise a song he had written long before, and somewhat speil it in the process, in order to pay a compliment to Mrs. Oswald !

This remarkable manuscript is described in the catalogue as "Lot 460. The property of a lady," and has set Burns lovers and students a protty problem to discuss, and, if they can, to

In Reply to John o' London.

(Continued from the previous page)

home. He who once seaffed succumbs sooner or later. He finds there is something in it. even for him, but he is diffident of admitting it. He looks on it as a vice, a bad habit, perhaps rather children.

Now I come to that port of his letter which I have been longing to deal with :-

"But I wish also that there could be an exchange of experiences between the silences of Nature and the hum of the city. I would set up my serial to-morrow, if in the heart of London, I could bear the cattle lowing on remote hills, or the backing of a lox in Essex, or the weream of an saide over a Scottien glen. I would gladly summes the roar of Niagara to redress the roar of the Strand; but such things are not

We will give him the somnin of the country. We meant to all along. If only he had listened already, he would have known it. Why, as have already fixed the very sput from whence the liquid notes of the nightingales shall be borne in mystic asther waves to the home of the jaded town-dweller. Though we haven t yet brusdeast the barking of a fox in Resex, ve have provided the nearest aphytitute—the barking of a dog in Savoy Street. Ningara will come in due course, but won't the breakers at Brighton suffice meantime? It is all planned. Heretofore, all these and many other seconds have been artificially ownted. The real thing is coming, but even now we might get over a plausible imitation of Niagara with the bath-

Let "John o' London " heware lest, like Macheth, he belittle too for the power of peupheoy.

I connot bear to think of the terrible isolation and reserve of "John o' Loudon a" evenings. I feel that I want to carry along a loud speaker to his room and say "You shall listers to us. I will tell him now that, whether he likes it or out, his room is full of the strains of music. great symphony concerts, light operas, congr. stories of high adventure from the lips of the gmatest explorers in the reakers of science-all manner of things to suit even his every socot. Wave the magic wand, turn the switch, the Genie is at his service. But the aether waves are there, whether he turns it or not. They do not obtrude. They are not alighted by his neglect. They exercise their beneficent or onlightening functions for those who care. Perhaps it is better that he should not turn the switch. That list of technical names to publishes (three and a half inches of them) may have incited him to experiment. He may use reaction and escillate to the extent of energiaing his neighbour's

If he absolutely will not listen, I foresee a dire and tragic fate awaiting him. One night there will be an S.O.S. from 2LO. " John o' London," who when last heard of was said to be travelling round the country in an inelated copies van, stopping only in areas reputed to be shighted from broadcasting, is argently required by his former solicitors, as they have received notification of a large fortune left lum,"

There will be no ceply.

And I shall be glad. The green carpet rankles.

WIRELESS IN THE WEST INDIES.

Neven high-powered wireless stations are shortly to be opened in the West Indies. These will be on the labance of St. Kitts, Antigna. Dominico, St. Lucia, St. Vincent, Grensda, and Barbados, and they will be operated by the Pasific Cables Board, which is under the joint control of the Imperial Government and the Governments of Casada, Australia and New

Waterloo, par Victor Hugo.

The following poem will be broadcast from London Station by M. E. M. Stephan, on Tuesday, March 25th. It is printed here in French so that readers of "The Radio Times" may follow the speaker word by word. In this way, listeners will be enabled to correct any errors of pronunciation.

WATERLOOI Waterloo! Waterloo! morns plaine!

Came une onde qui bout dans une urne trop

Dans ton cirque de bois, de coleaux, de vallors, La pale murt mélait les sombres habillors. D'un Coté c'est l'Europs et de l'autre la France.

Choc sanglant ! des horse Dien trompait l'espec

Tu désertais, victoire, et le sort était lan O Waterloo! je pleure et je sa arrête, hélas! Communication soblats de la dernière guerre Furent grands; ils avaient vaince fonte

terre, Casse vingt role, passo les Alpes et le Rhiu, Et leur âme chantait dons les clairons d'airain!

Le soir tombait : la luite étalt ardente et noire. Il avait l'offensive et presque la victoire; Il tenait Wellington acculé aux un bois

Le centre de costat, point observait parfois Le cettre du costat, point observa on trassaille La mélée effroyable et vivante brousaille, Es parfois l'horizon, sombre comme la mer-Bondain, loyeux, il dit; "Grouchy!"—C'était Illindier!

L'espoir changes de camp, le combat caangan

La metée en huclant grandit comme une flamme. La batterie auglaise écrusa una carre. La plaine na frissonnaiont los drapéaux déchirés Ne fut plus, dans les cris des mourants qu'ou egorge

Qu'un genfire flamboyant, rouge comme une

forge: Couffre au les régiments comme des pans de

Tombaient, où se conchaient comme des épis

hauts tambours-majors and panaches éuprines,

Où l'on entrevoyait des blessures difformes! Carnago affrenz moment fatal! L'homme

inquiet
Sontit que la bataille entre ses mains pliaît.
Dereière un mamelon la garde était massée,
La garde, capour sapréese et suprême pensée!

Altons! faites donner la garde," cria-t-ilEt lauciere, gressatiere aus guêtres de routel,
Dragons que Romo eut pris pour des bégion-

Cuirassiers, canonniers qui trainsient des ton-

nerves, Portant le noir colback ou le casque poli, Tous, ceux de Friedland et ceux de litroli, Comprenent qu'ils allaient mourir dans cette

Salairent leur dieu, debost dans la tempite. Leur bouche d'un seul cri, dit : "Vive l'Empercor ["

percer

Puis, à pas ients, musique en tête, ann fureur,
Tranquelle, sourinet à la mitraille anglaise,
Les garde impériale entra deus la fourreise.
Hélai Napoléon, sur sa garde penché.
Regardait, et, sitôl qu'ils avaient débouché fous les sombres canons crachant des jets de

Soufre, Voyan, l'un après l'autre, en cet horrible

goudre,
Fondre, ces régiments de granit et d'aciet,
Courne fond une circ au soufflu d'un branier.
Ils allaient, l'arme au bras, front haut, graves,

Par un ne recula. Dermez, , morta héroi Le reste de l'armée hésitait sur leurs corps Le reste de l'armée hésitait dur leurs corps Et regardait mourre la garde — C'est alors Qu'elavant tout à coup sa voix désespére La Déroste, géante à la face effacée, Qui pale, apouvantant les plus fiers hataillans. Changeant subitement les drapeaux en hadlons. A da certains moments, spectre fait de l'unées. Be lève grondissante au millen des armées,

(Consisted to the next entanen.)

Official News and Views.

Gossip About the B.B.C.

THE broadcasting states KFI, of Los | Angeles, which sent out the programme that was rebroadcast in this country in the early hours of March 9th, has the greatest range of any Pacific Coast station.

More American Broadcasting.

The American Station KDKA has arranged a programme for Saturday, the 20th March, for the benefit of British listeners. We hope to relay it from 11 p.m. till midnight,

The Mighty Atom.



Direct and Free Dist. SIR WILLIAM BRAGE.

The Talk which Sir William Bengg, President of the Royal Institution, broadeast from 2LO on the 17th inst. on "The Atoms of Which Things. Am Made," proved to be highly popular. be highly popular. Listeners, therefore, will be glad to learn that this is the first of a series of Talks similar to those which he delivered at the Royal Institution at the boginning of the year.

The suries was called "Concerning the Nature of Things," and dealt with (a) the atoms of which things are made, (b) the nature of gases. (c) the nature of liquids, (d) the nature of crystals—diamond, (e) the nature of crystals—ics and snow, (i) the nature of crystals—

Sir William hopes to broadcast the second of these Talks, on "The Nature of Gases," on the 7th April, continuing the series on the 19th May, 2nd June, 16th June, and the 30th

London's New Station.

For some time we have been endeavouring to find a suitable site for the erection of a new transmitting plant for 21.0. We have at last been successful, and now await the decision of the London County Council upon the plans we have submitted. Should permission be obtained, we propose to creet two steel lattice towers 150ft, in height, and about 150ft, apart. A but will be built in which the operating gear will be working, and one side of this we propose to have large windows so that the public can see the Station without interfering with the progress of the work.

The site we have chosen is on fairly high ground, not very far from the Studio. power of the new station will be double that used at present, but that does not mean that the signal strength will be better, because in applying to the peculiar conditions of broad coating from the centre of a town, the serial constance cannot be calculated, nor the radia-

tion. On the face of it however, will be double power, and a much more efficient serial.

The new station will certainly be at least as face at a the present out. The public see warred, however, not to expect a tremendous increase in signal strength.

Brondcast Plays.

On Threaday, April 1st, Mr. Lowis Casson is to produce three plays at the London Station. They will also be broadenst to Boursenauth and Glasgow. They will be The Death of Traingites, by Maurine Macterlinek. Box and Cax, by Madison Marton, and The Mon Who Song in His Bath, by Richard Bughes.

A Popular Orchestra.

On the 6th April, listeners to 2LO will have an opportunity of hearing De Greet and his Orehestra playing at the Piccadilly Hotel. This is one of London's most popular hotel orchestras, and it will be brindeast from 0 p.m. to 10.0 p.m and from 10:15 p.m. to 10.36 р.п.

Wireless at the Boat Race.

A new attraction for the Boat Race festivities will be provided by 2LO between 2.30 and 4.30. p.m on Saturday April 5th, when the Grenadier Guards Band will be broadcasting a special programme for the benefit of the crowds linking the river during the progress of the race.

Manchester's New Assistant Director.

Mr. R. H. Goldsmith, who has been appointed Assistant Station Director at Manchester, is a retired Paymaster Lieut-Commander of the Royal Kavy. He has spent many years in the Moditerranean and around the coast of India and Ceylon, On the East-Indies Station he was attached to the staff of the Communderin-Chief, Vice-Admiral Sir George Warrender, with whom he served in the North Son during the war. Later, he was one of the three members of Lord Chamwood's ex-service students' Appeal Tribunal at the Board of Education. He also represented the Admiralty, on a Demobilisation Sub-Committee of the War Cabinet, the Dembilisation Co-Ordination Committee of the War Office, and the Officers' Re-Settlement Com-mittee under Lord [Burnbaza's chairman-

Since 1920, Mr. Goldsmith has been engaged in business both in London and on the Con-Cimens.

A New Munical Director,

Mr. W. A. Crosse, who has been the Conductor of the Newcastle Wireless Orchestra for a considerable time, has now been appointed Musical Director to the Newcastle

Continued from the previous column

La Déroute apparut en soldat qui s'émeut, Et, se tordant les bras, czia " Sauve qui peut !" Sauve qui peut i affront! horreur! toutes les

Crimient; à à travers champs, fous, éperdus,

Comme si quelque southe avait pussé uir eux, Parmi les tourds causons et les fourgons

Roulant dans les fossés, se cachant dans les 683 B 188 Jeinnt shokes, manicous, facils, jetant les

aigles Sons les sabres prossiens, ses vétérans, è douit! Tremblaient, burbaient, predimient, coursient! En un clin d'iril

Counce s'envole au vent une paille enflanouée, S'évanouit ce bruit qui fut la grande armée, Et cette plante, hélas, où l'on rêve aujourd'hui, Vit fair toux devant qui l'univers avait fai ! Quirante ans sont passés, et re com de la terre, Waterloo, en plateau funchre et solitaire, Ce champ sinistre où Dien mela tant de néants. Tremide egeure d'avoir vu la fuite des géants.' Napaléon les vit s'écouler comme un fleuve; Houmes, chevoux, tambours, deupeaux — t dans l'épreuve

Seatont confusiment revenir son remords, Levant les mains au ciel, il dit—Mes soldats poorts.

Mot vancu i mon empire est brisé comme verre. Est ce le clatiment cette fois. Dicu sévère : Alues parmi les cris, les sumeurs le sonn. Il entendit le voix lut répondait : Nos :

IMPORTANT TO READERS.

LETTERS FOR THE EDITOR should be entiressed to The Ratio Times," 8-11. Southampian Street, Strand, W.C.2.

LETTERS FOR THE RBC should be sent to 2, Survey Hill, W.C.2.

"The Radio Times," the official organ of the British Broadcosting Company, Ltd., is can cerned solely with brandousting programmes and the technical problems relating to their

Technical inquiries dealing with the re-coption of broadcast telephony, such as the types of sets to be employed, etc., should NOT be addressed to "The Eudio T Letters from Reulers concerning the Programmes and their transmission are sectioned

Letters requiring an answer MUST contain a

stamped and addressed envelope,

THOSE "HOWLERS."

if you have a herd to your recover, you may be ciliating and inverticing with thousands of people's To tell if you are offending, perform the following

After your tuning. If the how! varies so you vary your

It is not cricket to oscillate on purpose because you disappeared of a programme, an item, the B.B.C. or your neighbourn may not spree with you.

Messrs. George Newnes, Ltd., have now pre-pared a hardsome case in zed cloth with gift lettering for "The Radio Times," complete with cord down the back to held a capy of this publication. A pencil is indispensable to the listener during the course of the programme, and this is included conveniently in a slot at the side. Listeners should order this to-day from say Newsagont. It is published at 2s. 6d., or send 4d. extra to cover postage for a case from the Publisher, 8-11, Southampton Street, Strand, London, W.C.2.

ALTERATIONS TO PROGRAMMES, ETC..

A 8 THE RADIO TIMES goes to press many days in advance of the date of publication, it sometimes happens that the B-G. finds it necessary to make afterations or additions to programmes, etc., after THE RADIO TIMES has finally gone to press.

KEY LIST OF MUSIC PUBLISHERS.

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DO WORMS USE WIRELESS ?

A PROPOS the article in last week's Redio A Times on "When Will Inserts Broad-cast?" it is interesting to note that the suggestion that earthworms communicate with each other by wireless is put forward by Mr. John D. Leckie in The Occult Review.

"Darwin noticed that the earthworms were

in the babit of projecting the upper part of their body outside their burrow while the lower half remained embedded to the soil," he says. "The upper or protruding portion was raised creet in the sir, and was sometimes waved in different directions. "Is the carthworm occupied in sending wireless messages to distant frienda ? "?

Smoke and Fog-The Cause and Cure.

A Talk from Manchester, by Marion FitzGerald.

ISN'T it amaging that in the twentieth century, when such wonderful things are decomplished, somebody has not enceeded in cleaning up the air of large towns? Pittsburg can talk to Manchester by means of wireless; but neither Manchester nor Pittsburg has got rid of its smoke.

It has been calculated that over the whole country three million tons of soot are poured out into the air every year. That means six million pounds worth of wasted fuel, for sont is, of course, only imperfectly burnt coal. But, worse than that, all this filth in the air will come down sometime and we have to clean up the mens. London has an annual soot fall of nearly 40,000 tone.

If you live in a smoky town, your chances of dying of some form of disease connected with your breathing apparatus are nearly three times se great as if you live in the country.

Sending Up the Beath Rate.

I haven't said anything yet about fogs; so far, I have been talking about the constant shower of soot which is falling day by day, year in and year out. Happily for us, fogs only come seklom, because the weather is a really a good friend to us. All the same, there is always enough soot in the air of towns to provide a good thick fog it the state of the atmosphere does not allow most of it to escape. It is well known that two or three days of fog will send up the death-rate—not from street socidents as you might suppose, but from bronchitis and phe meonia.

The cause of all this is our reckless and extravagant mothod of burning coal. No more and no less. We burn every year 100 million tens of one in factories, and about 40 million tone in houses, and a large proportion of that is

bornt in wasteful ways.

Yes," you will say, "it is those dreadful factory chamneys that do all the barm. They nught to be stopped, and, surely, there is a law about it."

Wait a minute ! Of course, they ought not to pour out black smeke, and there is a law shout it; but are you quite sure they are the

chief and only offenders?

Would it surprise you if I told you that of the two sorts of chimneys, house chimneys are much guiltier of polluting the air than factory chimneys, that not only do they make more soot, but it is a much nastier kind of soot tarry and greasy? If you burn 100ths, of coal in a boiler furnace, you will get about half a pound of soot. If you burn the same amount in any ordinary domestic fireplace, you will get fills, of soot. That is twelve times as much. So that the house chimney is just twelve times as bad for making smoke as the chimney ottached to a factory.

Worth Some Sacrifice.

I expect by now some of you are looking anxiously at your own fires and saying you could not possibly give them up; they are so cheerful. Let us see if we can effect a cure for the smoke tensance without making people unhappy. We once had a foretaxle of smokeless cities in the coal strike. We don't want more strikes, but wouldn't it be worth some sacrifice to get back to that combition of clean wir, sanlight and clear views? For that, we must have an alteration in our present smoke laws to get rid of factory amoke, and we must also be willing to make changes in our ways of burning coal in houses. Instead of burning coal laviship as at present, we must sparingly and employ other cleaner and amokeless methods of heater, and cooling.

FOREIGN STATIONS.

FRANCE.

Eiffel Tower. PL. Paris. 2600 metres.

6.40 to 7.0 a.m.; 11.0 to 11.30 a.m.; 3.40 to 4.0 p.m.; 5.30 to 7.20 p.m.; 10.0 to 10.30 p.m. Compagnie Prançaise de Radiophonie (Emission Radiola). SFR. Paris. 1760 metres.

12.30 to 2.0 p.m.; 4.30 to 5.0 p.m.; 9.30 to 10.0 p.m.; Sundays and Thursdays Redio Dancing at 10.0 p.m. Close down at 10.45.
L'Ecolo Supérieure des Postm et Télégraphes. PTT. Paris. 450 metres.

Sunday 8.30 p.m.; Monday 9.0 p.m.; Toerday 8.0 p.m.; Wednesday 2.45 p.m.; 8.45 p.m.; Thursday 8.30 p.m.; Priday 8.30 p.m.; Saturday 9.0 p.m.

SWITZERLAND.

Redio Station Marconi. TSP, Geneva. 1100 metres, Wireless transmissions daily (Sundays escopted) 1,15 to 1,30 p.m.

Lausanne, RB2, 1100 metres.

4.0 p.m. Tumday, Thursday, Saturday, 7.0 p.m. Monday, Wednesday, Friday, Saturday,

MESCRIFFE

Radio-Electrique, Brumais. 410 metres. 5.0 p.m. Music. 8.30 Concert. Poste de Hagren, Brussols. BAV. 1100 metres. At intervals 1.0 to 5.30 p.m. daily, News and Weather Report. 9.0 p.m. Concert, Tuesdays only.

HOLLAND,

The Hague. PCGG. 1070 metres.

3.0 to 5.0 p.m. (Sunday); 8.40 to 10.40 (Monday and Thursday).

Labor. Heussen, PCDU, 1050 metrer. 1070 metres.

9.40 to t0.40 a.m. (Sunday) Concert; 9.40 to 10.40 p.m. (Sunday) Concert; 7.40 to 9.40 p.m. Tuesday) Concert; 7.45 to 10.0 p.m. (Thursday) Concert.

Veithuyzan. PCKK. 8.40 to 8,40 p.m. (Friday) Concert.

Amsterdam. PA5.

7.40 to 9.10 p.m. (Wednesday) Concert.

The above times are all Greenwich Mean

AMERICA.

General Electric Co. WGY. Schenestady, M.Y. 380 matres.

Radio Corporation of America, WJZ, New York, N.Y. 455 metres.

John Wanamaker, WOO, Philadelphia, Pa. 509 metres.

L. Bamburger and Co. WOR. Newark, N.J. 405 metres.

Post Dispatch, KSD, St. Louis, Mo. 540 metres.

Renasclaer Poly. Inst. WHAZ, Troy, N.Y. 380 matres.

PROGRAMMES-GOSSIP ABOUT PEOPLE IN THE



Mine Cappendes a Perc.

M ISS CHRISpopular contralto singer at Abreseen Station, reabout a family who had only one pair of head-phones to their receiving set There was, naturally, as a rule, great competition amongst them as to who should use the 'phones; but when they were visited by an old aunt from the

country, they handed them over to her as a

The visitor bad never listened before, and the whole family sat watching her, consoled, in spite of their anerlice, by the thought of the pleasure she was deriving.

They sat for nearly an bour, until, at last, the youngest bey could stand it no longer, and exclaimed: "Well, auntic, what can you

"I can't hear a sound," she replied, placedly, a but I am making up some lovely tunes in my own head.

Oyers Under Fire.

UNDOUBTEDLY one of the most talked of operas that have been broadcast recently in The Dogs of Devon. Mr. W. K. Bullock, the componer, tells me that he wrote most of the music at odd moments-in the train and elecwhere.

"The most reed ag conditions under which I have ever heard my maste," he added, " was when I heard a gramophone record of one of the songs played just behind the lines near Dickebusch, early in 1918, the enemy shelling vigorously the while.

Buides bring a composit, Mr. Bullook is an accomplished organist, being a Fellow of the Boyal College of Organists. In 1908 be was appointed to the little known post of Lay Vicar of Westminster Abbey, in succession to Mr. Frederick Ranglow.

Soldier and Author.



CAPT FEED S

PAPTAIN FRANCIS CAPTAIN FRANCIS D. GRIERSON, whose "Talks" from London Station are always welcomed by listenors, has had an interesting hterary career. Besides contributing to many of the leading English and American papers, he has published two novels and a book on military law. He has also edited a monthly magazine and helped to edit a news-

paper. Captain Grierson served for a long time in the Territorial Army, and during the war be became a Staff Officer.

Very Awkward.

CAPTAIN ORIERSON relates a story about an indignant man who visited an

"I was one of the competitors at that boxing match tast night," he said, " and in your paper you have alluded to me as the 'well known Eght-weight champion."

"Well, aren't you?" inquired the editor,
No. I'm nothing of the kind," replied the
sites, "and it's confoundedly awawned, because I'm a coal merchant."

Father's Warning.

SIR WALFORD DAVIES, Director of Music at the University of Wales, who is to give the first of a series of talks on Music April 4th, relates an unusum experience which occurred while he was hearing a rehearsaof one of his cantates.

"I could not help nothing, he says, "that the claimet player, a young man, but a clever and steady lad, imped a good deal during the progress of the reheared. Then I found that his father, who played the trombone, sat just belond him, and every new and then be gave bis see a kick, with the remark: 'Look out, Sammy, there be a flat a-coming!

Singer and Componer.

A WELL KNOWN base singer in the North of England, Mr. Havid Jenkins has litely become a favourite at Loudon Station. A native of Lancashire, he first went in for a commercial career, but finding this uncongucial, he (to quote his own wordy), "took the plunge into the whirlpool of music, and, after some furious foundarings, is beginning to float into

colmer and more pleasant waters."

At one time he held a singing scholarship at the Boyal Academy of Mose, but he says that he resigned it " because of certain decided upinions of his own regarding the future of his voice.

Mr. Jenkins is a brilliant planet, and has composed a number of songs which he emps himself with great success.

The Real Annoyance.



MICH MURREL GARRON

MISS MURIEL G. has achieved popularity at Bournemouth, has a fine voice of a rather unusual type. She is a messo contratto, and is heard to particular advactage by wireless, Miss Calton tells me that she recently heard the following amusing conversal into

A visitor remarked to " Doesn't his friend :

that chap next door annoy you with his constant singing in his flat ?"

"Not nearly so much as his constant flat in his singing," was the reply.

A Famous Tennis Player.

GREAT authority on tennis is Mr. C. L. Cooper-Hunt, whose talks on the game from Bonzaemouth have proved very acceptable. Mr. Cooper Hunt was aslected as a member of the Cambridge University Grauhoppere' Club, and played for the University's first VI. so far back as 1907. He also played a great deal in Rong Kong with Mr. H. A. Nisbet, the old International and one-time partner of H. L. Doherty, the famous champion.

Last December he was a member of the Hampehire team which defeated Hertfordshire in the Men's Hard-Court Inter-County Cham-

Mr. Cooper-Hunt is the possessor of over thirty trophies that he has won at various times, and he told me the other day that, although ill-health has prevented him lately from competing much in Tournaments, he is still a keen student of the game, and experiences the greatest interest in trying to import his enthuriaem to others.

The Havana Bond Leader.



Me. CTRL NEWTON

THERE are few wireless artistes more popular with listoners than Mr. Cycil Newton, the leader of the famous Savoy Havana Band! for besides playing the violin, he also has a fine singing voice. Before coming to the Savey, Mr. Newton lived for many years in America and led some of New

York a most successful bands.

What-Why?

MR. NEWTON relates a story about a little boy who was taken to his first concert. A celebrated soprano was singing and an equally celebrated conductor was in command.

Ma, exclaimed the youngster in a loud voice, "why is that man shaking his stick at the lady ?

"Hush, dear!" replied his embarrassed mother, "he is not shaking his stick at her." But the young hopeful was not to be con-

winced. "Then what is she screaming for !" he

Why He Liked It.

THE other day, Mr. Stan Hatton, who has become a favourite at Sheffield Station,

told me a good story.

An Irishman who had lived in a remote country district all his life, eventually went to live in a big town. One day a friend called to see him and remnustrated with him foresbly on his very old-fashioned methods of home-

"Now that you've come to live here," he said, "you must be more up-to-date. You should get gas laid on and have a gas fire instulled.

The Irishman promised that be would do so at once, and a few mouths later his friend came

again.
"Well, Pat," he said, how do you like your gas fize ?"

"It's fome!" replied Pat. " D'you know, it hasn't gone out since I lit it about a month ago!"

Two Kinds of Shells



MISS IDA CORRY.

A PROMISING young artisle at Newcastle is Miss Ida Cowey, soprano. Miss Cowey is fond of telling this anaising thentrical story. An actor and a soldier were discussing their respec-tive callings. "How would you like to stand with shells bursting all round you ?" damanded

the man of arms.
"Well," replied the actor, quietly, "it would

depend upon the age of the eggs."

To ensure getting "The Radio Times" regularly, ask your newsagent to deliver your copy every Friday.

Broadcast Music of the Week.

Described by Percy A. Scholes.

LONDON, SUNDAY. D'Indy's " Parvaal" Prolude.

Many listeners made an acquaintance with D'Indy through his Istar, given at the first of he Westminster Central Hall concerts, under Mr. Pitt's direction. Mr. Pitt appears to be a great admirer of the rather neglected D Indy. and has not waited long to carry his propagatida

Fermul is a music drama, produced at Paris in 1808. Its hero is a young Celtie chief, who, neited by his Droid any isers, defends his country from Sameen invaders, but falls in love with Guthen, a Saraccu proteons. Fervaul to de-foated, but Grilhen dien, and the curtain drops as Fervasi is even carrying her in his arms towards the mountain peaks from which is heard a mysteral cheir calling him, and amnouncing to the world the coming of a new and better religion.

The essential subject of the drama is the conflict between "the cold and rigid religion of the ancients, and the warm religion of love" (Louis Borger " Vincent d'Indy; sa Vie et son (Eume").

LONDON, TUESDAY. Harprehord Music.

The Harpsichard is one of the precursors of the Pianoforte. In a simpler or more elaborate form, it was played by Queen Elizabeth and the musicians about her Court, by Purcell, by Bach and Handel, by Haydn, Mozart, and the Then the Pianoferte younger Beethoven. superseded it, and it has only lately been effectively revived. Mrs. Gordon Woodhouse, the player to night, is one of its chief modern espozents.

The essential reference between Harpsichord and Pianoforte is that in the former the strings are placked when the keys are depressed, and in the latter they are lanunered.

The instrument in its most developed form, sa in the example played by our performer to-night, has two keyboards, and an array of stops and pedals, by which many fine effects of contrast can be obtained.

This is probably the first occusion upon which Harpeichord music has ever been broadcast, and it will be of interest to note how the natrument's clear, incisive tone "carries," My own guesa is that it will transmit better than pianoforte tene.

ABERDEEN, SUNDAY. Hayda's "Surprise" Symphony.

The impresario, Salomon, in 1791-4, brought Haydn over to England, for three visits which were enormously successful. Part of the bargain was that Hayda should compose some special Symphonics, and twelve were thus brought into existence.

These twalve are the best Haydn over wrote, and the following conversation is recorded :-

Satomos: "Sir, I think you will never surpass these Symphonice."
HAYDE: "Sir, I never mean to try !"

And he never did, for though he lived seventeen years longer (until 1809) he never wrote

Why is this one of the twelve called "The Surprise"! The name comes from one chird in the Second Movement. This Movement begins very softly, on Strings, alone. Then suddenly comes a crush from the whole band -Strings, Wind and Drunu.

A friend called on Hayda, just as he had finished composing this Movement. Haydu played the Movement to him on the plane and remarked: "Dat sure to make de Jedies There are four Movements :-

I. Slow Introduction, followed by a lively place of music

H. A gentle, but steadily moving Air with Variations, with the "Surprise" in the 10th lar.

III. A bold and happy Minuet, alternated

with a quieter and more flowing one.

IV. A quiek, jolly Movement. Note the many instances of Hayda's playful use of alternation of Wind and Strings.

CARDIFF, SUNDAY,

De Falla's Dances from "The Three-Cornered Hat."

De Falla is the leading living Spanish compower. He was born in 1870.

The story of the ballet, The Three Corvered Boy is taken from the nmeteenth century Spanish novelst Alercon. It is about the Governor who firts with the miller's wife, but falls into the mill-stream, and is merrily mocked by all the villagera.

The music of the Ballet is gay, and very Spanish in its chythms sail orchestral colours.

GLASGOW, TUESDAY.

Debutsy's Submergod Cathedral.

"La Cathidral Englostic is the purest and strongest thing I know in modern French music. . . On most listeners it produces a very immediate if at first vague impression. But it is only gradually that we can fully discern the astouraling dignity and imaginativeness of this vision of a cathedral under the sea, with its bells and its plain-chant harmonies pealing up through the water. The last half-dozen lines, in particular, seem to me as big music as anyone can want." (Du. Ennest Walker.) can want."

GLASGOW, WEDNESDAY. Bach's Brandenburg Concerto, No. 1.

It is really a wonderful Bach programme that Glasgow is offering on this night. Such programme atmosmerd for the Quren's Hall would fill it,

Bach's six Branderburg Concertos were made for a Count of Brandentury a great lover of music who was making a collection of Concertor by contemporary composers, for his private band to perform. When the Count died and his property had to be valued, the Bach works were, in the inventory, inteped together with 171 concertes by other composers, valued at four greschen (say 3d.) spices a modest

These are not Concertos in the modern sense of the word-i.e., compositions for some sale instrument with Orchestra. This first Brunderburg Concerto is written for three Oboes, two Horns, Bassoon, Solo Vielin, and Strings. There are four Movements :-

I. Quick, merry, and bantering.

II. Slow and expressive (note the long florid Obse solo with which it begins, a moment later taken over by Solo Violiu, and a moment later still by 'Ceiles, Double Barnes, and Barneon)

III. Quick and Byely.

111. Quick and regy.

1V. A Mixuer (all the instruments) A Trio. (two Obces and Bassoon). The Mixuer repeated A Polacca (Strings alone). Another Trio (two Horns and Obces). The Mixuer te pented.

MARCHESTER, TRURSDAY,

Harly's "With the Wild Gone."
"The Wild Geese" was the name given to the Irish Brigade in the service of France-a brigade that found its origin in the calks of the end of the seventeenth centary.

At Fontruov, in 1746, the French thanks to last to sh Brande, it is said, beat the English.

the Dutch, and the Austrians. Believe what you like of what follows -

During the night following the battle the bodies of the "Wild Gerse" rose and flew away, and by dawn the flock was seen on the coast of Ireland.

- "Iesus were you gentry? Why are ye so white, Billing all so straight and still, in this widy tight?"
- "Nothing ails us, brother; joyous souls are we, Sailing home together on the morning sea.

That verse is from one of the two poems (by the Hon, Emily Lawless) prefixed by the com-

posez to his score. The course of the music is as follows: (al A

alow Introduction (sad thoughts of the exiles ?); (b) A quick Irach tone by the Flutes and another by Flates and Piccolo (the apirit of Irish alverture 1); (c) A quieter passage, with its peaceful Oboe tune broken here and there by a touch of military masie; (d) Night music, very quiet. but with an undercurrent of antidipation of the strife of the morrow; (e) A trumpet call, and the Irish tune again, used this time with a sougestion of bettle; (f) A final section which surpests the resurrection of the warriors, their flight to Ireland and their apotheosis.

McEwen's "Solway" Symphony.

This was composed in 1011, in the district from which it takes its title, and expresses in music its composer's reaction to the experiences indicated in the titles of the three Meveneris and the verses prefixed to them.

I. SPRING TIDE.

"Long gottlen sands, edged with a silver streak, The impetuous surge that races to the shore, The full and steady motion of the flood-When sun and moon combine to tug the tale." IL MOONLIGHT.

"The tired ocean grawls along the beach, Sobbing a wordless sorrow to the muon." III. THE SOU WEST WIND.

"Sun, wind and cloud shall fail not from the face of it.

Stinging, ringing spindrift, nor the folmer flying free-

An account of the composer's career appeared in The Rudio Times of February 22nd. The score of the "Solway Symphony" was published at the expense of the Carregie Fund, and the Carnegie Adjusticators wrote of it, " A symphony of remarkable beauty, poetic, well-written and original in conception. The slow movement may muck with any piece of symphonto work that has been written in this country; and the whole composition is full of states pheno, shythin and colour."



Radio Pioneers of Long Ago. Romances of the Early Experimenters. By Reginald Pound.

OF the multitude of wireless enthusiasts U listening to-day how many, one wonders, give so much as a fleeting thought to those early pioneers whose genius has made of the wireless dream a wonderful reality? For, let there be no mistake, wireless

telegraphy, like many other modern developments, has its roots more deeply in the past than most of us realize. When Senatore Marconi raised wireless from the laboratory stage to the realm of practical science thirty years are he crowned with his fertile genius the labours of men who many years before had been experi-menting with the object of signalling by wireless. Faraday, Henry, Clerk Maxwell, Hertz, Brandy, Procee Willoughby Smith these are names that convey little and, perhaps, even nothing to the lay mind, which, however, twee much to these and other proneers on whose modest, but vital, secomplishments is based the knowledge that is ours to-day.

An Unknown Genius.

That wireless was preceded by telegraphy with wires it is hardly necessary to remain the reader. The subject of the electrical transthe middle of the eighteenth century, when an anonymous letter appeared in the Scots Magazine advocating the use of as many insulated conductors as there are letters in the alphabet, fellowing the discovery by Gray and Wheeler, two of the earliest experimenters, that the electrical energy of a charged Leyden jar may be conveyed by an insulated wire

Each wire, it was augmented by the unknown correspondent, should be used for the trans-mission of one alphabetical letter, and a complate message sent by operating the various wires in succession, the reception of the message being recorded by the movements of slips of paper attached to the terminals, every slip being marked with a letter.

But it was not until nearly flity years had passed that the first glimmerings of the wireless ogo appeared above the borizon of science.

Five years before the close of the romantic seventeen-hundreds," a Spanish scientist, named Salva, read a paper before the Academy of Sciences at Burcelona in which he said :

"If earthquakes be caused by electricity going from one point charged positively to another point charged negatively, as Bertolen has shown . . . one does not even want a

cable to send seroes the sea a signal arranged beforehand. One could, for example, arrange at Mallores an area of earth charged with electricity, and at Alicante a similar space charged with the opposite electricity, with a wire going to, and dipping into, the sea. On leading another wire from the sea shore to the electrified spot at Mailorca, the communication between the two charged surfaces would be complete, for the electric fluid would traverse the sea, which is an excellent conductor, and indicate by the spark the desired signal."

Commenting on this in his "History of Wireless Telegraphy," Fanie, the noted historian of telegraphic developments, says we shall see that Salva's idea is, after all, not so extravagant as it seems. We now know that large spaces of the earth can be electrified, giving rise to the phenomenon of 'bad earth,' so well known to telegraph

The Spanierd's suggestion, however, was not regarded as being anything more than a dash of genius of which, perhaps, its novelty was its chief claim to attention.

Discovered by Accident.

In 1838, K. A. Steinheil, of Munnell, had forced on him by accident the realization of the possibilities of scircless telegraphy, and to the experiments he conducted may be traced most of the sariy developments of the science. A noted German philosopher hinted to Steinheil that the two rails of a railway night form suitable conductors in telegraphic experiments. It was only an idea, but, acting on it forthwith, Steinheil soon proved its value,

He took his apparatus to the Nuremberg-Furth railway, where, as the outcome of the fact that he was unable to obtain an insulation of the rails good enough for his purpose, he discovered that the great conductibility of the earth rendered it possible to dispense with the return " wire, and to make use of the earth From this simple, but important, discovery there sprang the use of what is known as the earth return an essential feature of practically every telegraphic circuit.

It was as a result of this discovery that Steinheil was inspired to visualite a time when wireless" telegraphy would supplant the older stuer,

(To be continued)



The Oscillation Nuisance.

An Official Effort to Assist Listeners

HOW YOU CAN HELP.

THE following important notice is issued by the officials of the British Broadcasting

In order to find out what localities are suffering from oscillation and to what extent oscillation is upsetting our service, we should be obliged if all those who are irritated by this prevalent aussance would be so good as to send in a report framed as below to "Oscillation," the British Broadcasting Co., 2, Savoy Hill, London, W.C.2. We sak you to report ose ilstion troubles always in this way as it enables us so much more easily to tabulate statutics and to report clear cases to the authorities.

We do not wish to adopt a "policeman's" attitude, as we feel that in ninety-nine cases out of a bundted people occillate through ignorance. In persistent and proved cases, however, where malignity or gross carelessn a can be proved, we mean to tak the Post Office to take action.

We have distributed many thornands of pamphlets on how to prevent a set oscillating. We hope to distribute many thousands more, so if you have any distributing powers write to 2, Savoy Hill, for 5, 10, 100, or 1,000 pamphleta if you can get rid of them to those who may benefit.

Below is set out the type of information we require when you are bothered by oscillation:-

*YOUR NAME..... entermental and an arrangement of the contract YOUR ADDRESS..... NATURE OF COMPLAINT (Deration, intensity, whether constant or intermittent, etc.] ***************************** NAME AND ADDRESS OF OFFENDER OF known) ************************** ***************

· Will be treated confidentially.

will be treated confidentially.

† This must be given to belp us in locating the area of interference.

† It is useless to make wild guesses; this information is not to get people into trouble; they may be doing it unwritingly. (In cases of possistent trouble, however, the information may be useful.)

The Power that Pelmanism gives

Is Power that Endures. So says Canon Hannay (George A. Birmingham), whose amusing novels of Irish life are so well known to readers. "Pelmanism," he writes, "is not for the elect few only, but is valuable to all men and women. The results endure. Certain habits of mind are formed which are of the very highest value in life. The man who forms them is not merely stimulated to unwonted mental activity for a time, but gains Power which endures. This is what makes the effort—the pleasant and interesting effort—of a course of Pelmanism so well worth while."

The New Pelmanism

The New Pelmanism is a great improvement on the former Course. The famous journal Truth says that it is "100 per cent." better. It is based on the experience gained in training 500,000 minds, includes the latest discoveries in Psychology, and is certainly the most perfect and comprehensive system of scientifically training the mind that has ever been devised.



The well-known author of "Spaulsh Gold" The Lock Tribes, "General John Regan," and many other under known books. His views on Pelmonsem are awayd those quoted in the free book mentioned below.

A short course of Pelmanians beings out the mind's hidden powers and develops them to the highest pitch of efficiency. It removes all those defects, those little inefficiencies — Forgetfulness, lodecision, Diffidence and so on — which interfere with the effective working power of the brain, and it develops in their place such qualities so CONCENTRATION, INITIATIVE, SELF-CONFIDENCE, PRESENCE OF MIND, OBSERVATION and A RELIABLE MEMORY. Above all it develops DRIVING FORCE, ENERGY and MENTAL POWER—" Power that Endurer."

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The Fourth Edition of this famous book, "The Efficient Mind," is now ready, it is fully illustrated and contains a complete description of the New Pelmanism. It also shows you how you can carol for the Course on the most convenient terms (paying, if you like, by instalments). This book can be obtained GRATIS and POST FREE by everyone who sends the following coupon to the Pelman Institute, 95, Pelman House, Bloomsbury Street, London, W.C.I. WRITE FOR YOUR FREE COPY TO-DAY. Callers also invited.

To	the	Secretary,	THE	PELMAN	INST	ITUTE,	
	95,	Pelman !	House,	Bloomsbur	y St.,	London,	W.C.1.

Please send me, gratic wild post free, a copy of "THE EFFICIENT MIND," together with full particulars of the New Pelmanism.

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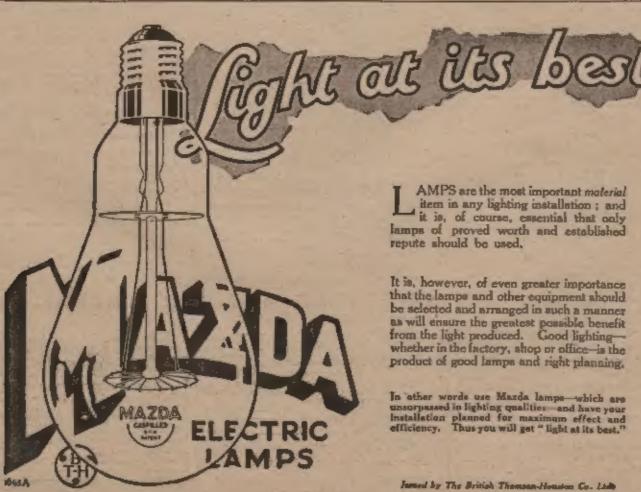
OCCUPATION

If Coupon is sent in OPEN envelope it only needs id. stamp.

WIRELESS PROGRAMME-SUNDAY, March 23rd.

The letters "3.0." printed in Halics in these programmas signify a Secretimoreus Breadcast from the station week-	AMY CARYER (Contralio).	MANCHESTER.
LONDON.	"The Silver Plan "Chambar Chambar And Cham	RADIO MILITARY BAND.
14. I am Sund too Dig Bon.	8.50. STATION OF RESERVA.	March, "The Boys" Alestinate
GCARDS. By permission of	Symplency, "The Munary No. 12 in G" Hayde Semante "Normala No. 2" Touch	March, "The Boys"
Col. B. N. Sergion Breeke, C.M.G., D.S.O. Director of Music,	Overtons, "Stockells" Ficher Symplemey, The Number No. 12 in G." Hayde Sevenate "Sevenate No. 2" Tools "Marvis Militaire" General Words " Selection, "Senge Wilhest Words " Selection, "Senge Wilhest Words "	JENNIE COPPLAND (Sopranc). Songs, Selected.
"Marche des Moulets" LEAM Renelle Descriptor, "Straighth Flager Come Sale, to Pare The Well" Language Took	10.0 NEWS, S.B. from Landon, Local Nove and Weather Porcust,	Overture " Rienzi "
Corner, Solo, "So Fare The Well" [54% from " Dark"]	10.15.—Close down.	Overture, "Rienzi"
WANTE SHELL CHEAR (Store at the Part)	Amaginest, Percy Edges,	Jennie Copeland, Sougs, Sciented,
P Little Windley Read of } Lendon Ronald (5)	BOURNEMOUTH. ORGAN RECITAL	Substition, " Cavalleria Bostama " Minoagad
E. R. D. Charles T. A. V. Charles Disconding to the Control of the	ARTHUR MARSTON, A.R.C.C., Opporint	Substition, "Carrellaria Posts and Managed Managed Laponnies," La Successión Contra Overtore, "Harri Halling" Manager Descriptive Scene, "In a Managery Landes
Prince is A Major ("The Military") Couples ROMANO CIARROFF (Romans Tours).	County Overview in C Maker	
Le and Countrie of Visitati ("Prince Lye"	Proper and Crails Song Guilleard Odertours in B Plat A. Thesis Mysetts Clauseuchin	March, "Cabort Dogs" Africa 1.0-5 W - CHILLSER'S CORNER, S.R. as 2 Section, 8.9 - SIDSEY O. HOWLY The to Young People, 1.3 - S. Dee V. W. Phillserson M. S. D. S. Deeple,
it by Dentamen a	Suleran Edger Ford	B.SU. The Rev. R. W. THUMPSON, M.A., B.D., Religious Address.
"All Printenge"	Scherze Figur Ford Legende and Finals Symphonique Gnament 4.0 THY NOVAL BATH MOTEL CHESTRA, relayed	I SEC NAT ON AN OCA- CONTRACT
Kingsody, No. 2 Lind Selection from the Songs of Parki Tonic ore, Pougher	Trans King's Hall Musea Operar, David & Lill 5.0-5.32 — CHILDRIN'S CORNER, S.B. from Monchaster, E.30. THE WILTON AINSLEY QUARTETTE MARGARET REYNOLDS . 1st Vicinist DOROTHY PAICE . 2nd Violidat IORRIK 1958 . Coffist E. WILTON AINSLEY . Froms "Nors hat the Wear Read" . Tabandahy 2.53. CORPUS CHRISTI ROMAN CATROLK.	"January Comments Com
* On Wings of Song * Mendelmekn * It t Maglet Guly Come to You Speed (1)	MARGARET REYNOLDS 1st Victinist	Ho Shapkerd's Seng" (Soprame). Sanderson (1)
E. Kradai Tastar.	PORRIE SDOR Collist E. WILTON AUSKLEY Punist	EXEM MCUNDAYO (Solo Vigoro).
Store All and Quick Dame Unighas Bulliana Study in E. Flat Polana Rossano Cincell.	"None but the Weary Beart"	NORMAN TABLE IT chose Properties
When Night Descript Hard Factoring Spring Waters The Band.	Under the Engerion of CHABLES LEESING	Estude in A Minor Can Research Chapter Gavotte (* Mignost *) Thomas Thomas Thomas Thomas
Secretion "La Cigale" Audem	Notet, "Ass Verga"	
Posto Capita Amountary L.E. Todgess 6.9.5 St. CHILDREN'S CORNEL J.R. Jones Myss.	8.15 The Bry, Pather PRICES, Buchan Calman Cherch,	"Pipes of Pen."
abrille.	Representation Religious Address, S.M. Christ. (No. 172 Westermater Human)	"Miledie" Them Morndoo, Thank-ky
F to Moran "Ye Holy Ampth Bright" (T. E. 517, A and M. 586).	Wyten, "O Paraona", (No. 172 Westminster Hymnal) Motet, "Jose Dun't Memoria", Estimas (I) 9.5, The Wilson Alasky Trio,	10.00.—N.I.Wh. S.M. Penn London.
The first Dr. Joilly G. VANGE, M. S. Sp. D., etc., Vice Producted of St. Edmand's Coberr, Relicion Andreas, Hymn, "When I Surveys" (L. B. 107, A. 200 M. 1089.	D.15. DOUBLE PESCE Pade Collo.	Local Same and Weather Forward. 10.16. Norman Payment.
Authors, "O become of the World," gase f. Roso,	"Setatante"	Concert Study in A Flat
Light Symphony Concert. Condensed by Percy Pitt. THE AUGMENTED WIRELESS CHARLESTRA.		Amongor: Victor Smythe.
Kolo Plattalogiet MERRERT FRVER.	Motes, "Salvo Regina". 8.35. The Willow Ajnakey Quartette, "Mon Cours s'once 5 to Vota" ("Samed) and PelBah")	NEWCASTLE.
Overtime, "Mirelle"	8.80, Mergaret Reynolds (Sole Vinia).	24. THE WIRELESS SYMPHONY ORCHESTRA.
Consectatories to F Minor, by Plane and Confessara Water	"Counting" Composin Krailer 9.50 The villing assets Quarterse. Scholart (8)	Allegro from the "Jupiter Symphony" Moser!
10.0 TIME SIGNAL FROM GREENWICK AND	"Second Scholer (8) "She doed's Lallabe" Heads	"Stant Noon" Reader Sundana " Lebugan
GENERAL NEWS BULLETIN, S.S. in all Stations, recept Cardin. Local News and Weather Porcent.	Local Vers and Weather Personal,	"Eray Nut Yo. O hunt!"
10.15. Conduction. Freduction	10.11 Close drawn. Accomment: John H Raymond.	3.30. ALTRID STADRIDGE (Solo Vising).
Sermade in B Flat Miner Kalbantanag	CARDIFF.	"La Processe" Conperio Comperio Comperi
Personne in A Fac. Op. 53	Versitat i LORNA MANSFIELD (Contral(e),	Ancience from " Imates boundaries"
"Hoyards' March"	Solo Plannforte AMY BERNARD COOK. Solo Violin LENA MASON,	Las. Jerk Todd. "If With All Your Bearts"
10.45. Close flows. Announcer: C. A. Lowie.	Rocktals RD)TH LESTER JONES.	Scherno and Finale from " Jupiter Symphony " Mound
BIRMINGHAM.	"Nactural Ro. 1 P (On. II) "I terrompore in C Sharp Misser" "Walts in A Pair" (Dy. 87)	There are Follow of the Bottom of Our Garden Lebenger
1.0 5.4 THE STATION ORCHESIES.	"As a Sandanas at Mare" Autonio Culiura	"The Marin of Thy Presence" Chiller (4e
Decrease from "Tanashamer" Wages Pely FRANK HIWARIES Bus Bac (Sole Parents and The Harmonican Backwallth "Howsel	"Theory Like a Loredy Places" Link	Charles Danes Jack Tode.
Pretude and Fugue No. 8 to C Sharp Aura	Sonala for Visite and Pane in F Major (Op. 21) First	the professor and a small
Probate in F Major Chapter Chapter Chapter Failly BROUGHTON (Sopremo) Chapter Let the Bright Seraphin " (" Seamen ") Handd (11)	Movement only Recitate.	Bullet Monic, " Front "
· Orrhestra	"Aretman" Lytic from "Moden" A.D. Phanalurte Solo.	6.0-6.00, CHILDREN'S CORNER. S.D. from Handholes.
Selection from "La Travala"	"Rigadella" Samuelland	K.M. DURHAM CITY WEST IND MALE VOICE
Root, "I Ved the Bette Wilton" (" Junior Marcalesca") And, "Arm. Arm. Ye firee." Mesors. Dillary, DEACH, and \$1.59 kg.	"The Willow Song Arthur Sall war. "Cracke Song Violin Sall. "Mendelands.	"Shordes of the Mercors" Cook (11) "As the Memoria Koll" Wohle 8.40. Hydro, "Through the Night of Doubt and Serrow,"
"Andante Grunoro" And Danson Knumer Rando-Allegreto Andante Grunoro Andante	Air on G String Violin Soil.	8.45.—The Bev. W. C. PELE. Rengious Address. 2.0.—Bytan, "Praise the Lord."
Novelette in D. Op. 21, No. 2	Air on G String Bosh Schon Romacin "Feitz Karister 5 0 - 30 - LILLERIAN COENER & France Manches	R.S. RALPH JACOSSON (Sede Celled) Collections R.M. Chefr.
"Jardies page in Piese" Delicary	BIG. CHOIR OF BAKEY FOCK WISLEYAN	" Music, All Powerful "
"Al-lysa" ("The Magic Flute") Moost (11)	Hymn, "At Even ere the Sun was Set " Jade Autten, "San of My See!" The Rev. J. William BERNEWORTH, Parry Dock Wedeyan Church, Berry Dock, Hymn, "Day to Daylog to the West."	9.25. WILLIAM A. CROSSE (Substitution)
Contractor	Wedeson Church, Herry Dock. Printens Address. Hymn, Day is Thylog to the West."	Imprompts, Op. 00, No. II Scholars
Sulta, "A Lover in Ducanacra", Woodferde-Fiedes (1) (2) Far Agrees the Descri Samis" (b) Where the Enbanera Flows"; (c) "Beloved in Your Absence"; (d) "How Many a Lonely Caravan,"	Beserich Miglel,	h.ts. Haip's Jacobson, Thomas & Ara Maria " Ara Maria" " Ara Maria " Ara Maria" " Ara Maria " Ara Maria " Ara Maria" " Ara Maria " Ara Maria" " Ara Mari
(d) "How Many a Lonely Catavan," James Howest, "Handel (11)	THE STATION SYMPHONY ORCHESTRA.	2.45. Chair. Let Us Join the Rosselston " Budy 1971
	S.30. L. "Fandage" Nepana Nepanati H. "Rhapsedy Espana Nepanati H. "Rhapsedy Espana Nepanati H. Seng, Selected V. Fantar I Loganole " Loganole Loganole Nepanati H. Seng, Selected V. Sengs, Selected Nepanati H. Sengs Senganati Sengana	"Come, Let Us Isin the Roundelay" Rude 511
March, "Festival"	IV Taptage Useanole" Edit British	"With Sight, Sucri Rose"
5.30 THE STATION REPERTORY CHOIR.	A ser done to wastern wanted had a mean contract a limit -	Local News and Weather Forecast,
Hymn, "Longuering Kings Their Titles Take" (A and M 175)	VII. "Carmen," Suite S. 1	Announces C. R. Parker.
Anthon, "Lord for Thy Tesaler Mersics" Sale " Forces F. & R. P. C. P. L.	NEWS BULLETIN.	A number against a remained from insticutes the name
Religious Address,	10 20 - Char Corn Announcer W. N. Settler	of an publisher. A key list of publishers will be found on page 844.





WIRELESS PROGRAMME-MONDAY, March 24th.

The letters "S.B." printed in Haller in these programmes Myolity & Bimpftaneous Brandenst from the station men-

8 20-4 20.—Concert Time Signal from Greenwich. Will Wireless Trio and Physics Kitchener (Soprane)

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7 0. STIME SIGNAL FROM BIG DEN, and AST GENERAL NEWS BULLETIN, S 4: to all Stationa,

JOHN STRACHEY (the B.H.C. Laterary Critic) " Worldy Book Talk," S.B. In all Stations.

Local News and Councer P.

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P 4) TIME SIGNAL FROM GREENWICH, and SND G! NERA, NEWS BULLETIN S.B. to all Statums, Weather Foregood, S.B to other Station

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19:30 Lines down.

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BIRMINGHAM.

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6 30 -Agricultural Weather Foreign E-United St. CC RNFR.

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JOHN STRACKEY S.B. from London Local News and Westung Forecast

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p.46. MAN JORIA EDWARDS (Sough at the Pinno)

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Announcer H Cecil Per sen,

BOURNEMOUTH.

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8.16.—Scholars' Holf Hour G Guest, B.A., J.P., Some

1.0. NEWS, S.S. from London

JOHN STRACHEY S.D. from London. Local News and Weather Forecast.

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Local News and Weather Ferenast 48. Albert Pottae. Squire Squire " Peg Away"
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Fantain, "A Military Church Parada" ... Ord Hums March, "Semper Phinis" . . . Greenwood March, "Somper

Announcer John H. Raymond,

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9.48.—"THE MOUNTAINEERS," Act 121, S.R. from London. 10.58. Close down.

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MANCHESTER.

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5 Section Weather Forenat,
530. CHIMDREN'S NOLR
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E 45.—Persidage by PERCA PMLANE

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9.12.—THE DEAN OF WINDSCR. 5.8 Proc. Lowley.

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10.50. Close down. Announcer: Victor Smyths.

2.65 Concert: Pegry Campush (Solo Pianoforto), Junet Hitchests (Soprano), Martin Honderson (Solo Concertina).
4.48. WOMENS HOUR
5.45 CHILLISS N.S. 240. R
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eatine arten.

9.55. -Fannery Corput,

7.5. -NEWS, S.B. from London.

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Local News and Weather Formant.

7.30. "THE MCONTAINGERS." Acts L and IL S.B.

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A comber against a musical stem indicates the many of it publisher. A key list of publishers will be found on page 484.

EVENTS OF THE WEEK.

SUNDAY, MARCH 23rd. LONDON, 3.0 -Band of H.M. Grandier Guards.
LONDON, S.C.—Light Symphony Concert (Conductor—Percy Pitt).
CARDIFF, 8.30.—Spanish Right.

MONDAY, MARCH 24th.

LONDON, 7.30.—"The Mountaineers,"

a Musical Comedy by Regiand Somerville. S.B. to Cardiff and Newcastle.
GLASGOW, 7.35.—Children's Programme.

TUESDAY, MARCH 25th. LONDON, \$.25.—Programme of English 7.30.-" Twelfth Night " (Stakespeare).

MANCHESTER. B.B.—Operatic Night.

BOLRNI-MOUTH, 7 45. Mozaet Night.

GI ASGOW, 7 45.—Maurice Cole, Pianoforte Recital.

ABERDEEN, 7 15.—Classical Night.

WEDNESDAY, MARCH 26th. LONDON, 80. Open-Air and Country

Programme.

LONDON, 9.15. Speeches by Lord Buxton and H.R.H. Prince Arthur of Connaught, relayed from the Trocadero Restaurant. S.B. to all Stations.

CARDIFF, 7.20. The Magic Corpet: III., Australia.

NEWCASTLE, 7.35 .- A Musical Tour GLASGO W. 7.35.—Back Night.

THURSDAY, MARCH 27th.

LONDON, 8.35. "House with Living Composers" (Martin Shaw).

BIRMINGHAM, 7.35 Classical Night.

CARDIFF, 7.35.—"When England Was Merrie," arranged by Philip Wilson MANCHESTER, 7.45.—Symphony Concert of British Music NEWCASTLE, 7.35. Opera Night.

ABERDEEN, 7.45.—Scottish Community Singing Concert relayed from the Music HaB, Aberdeen.

FRIDAY, MARCH 28th. LONDON, 7.30.—Saint-Sness Evening NEWCASTLE, 7.45.—Northombries Night. GLASCOW, 7.49.—Chamber Music Pro-

ABERDEEN, 730. "Mary Stuart." a
Play in Two Acts by Jobo Drinkwater
PLYMOUTH, 715 Speeches by Mr
J C W Routh (Managing Director of
the B.B.C.) and the Mayor of
Plymouth, relayed from the Guidhall,
on the occusion of the opening of he
new relay station. S.B. to all Stations.

SATURDAY, MARCH 29th. ABERDEEN, 7.38.—Floral Feaces.



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WIRELESS PROGRAMME-TUESDAY. March 25th.

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Local News and Weather Forecast

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5.45.- THE HOUR OF THE ! KINDS WINKS

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LOCK NOW TALK S.B. from Journal Local News and West box Postures

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CHROCKETTOWN COUNTY -	475	н
BOLRNEMOUTH (6BM) -	385	49
CARDIFF (SWA)	353	26
GLASGOW (SSC)	420	
-	375	
NEWCASTLE (5NO) -	400	н
SKEFFIELD (GFL)	363	
PLYMOUTH (SPY)		

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0 45 .- RICHARD TRESEDER, F R 11.5. on " Gardening." AU.O- THE SAVOY BANDS. S.F. from Landon.

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MANCHESTER.

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7.0. NEWS. S.B from London FRENCR TALK. S.B. from Loudon.

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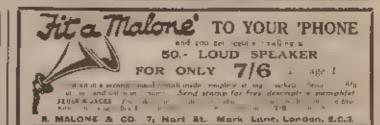
FRANK BROADBENT.

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WIRELESS PROGRAMME-WEDNESDAY, March 26th.

The letters " B.R." printed in Mailes in these programmes eigning a Simultaneous Broadcast from the station men-usons.

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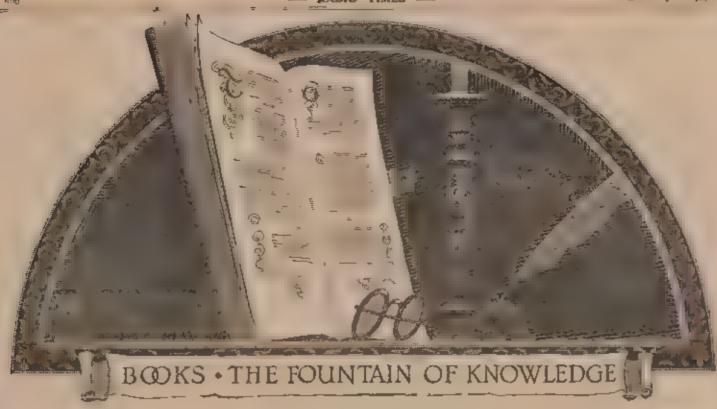
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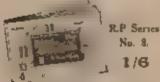
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Wireless Sets for Home Constructors

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Receiver Early of these lines are not of a first class once and the receiver many of a first class once and the receiver make by a continuous requirements are given a requirement of the described graph for the receiver \$2.50.

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WIRELESS PROGRAMME-THURSDAY, March 27th.

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10 2.0 Time Signal tenta Sig Rem. The Wit does Tra-opt Maket Mann (Controlle 5 0-0-20 - Concert Time Signal from Greenwich, David on the

on the "Gasar Sound from Potential to the Star or Maria or to though Songer or de-ter or Maria or to though Songer or de-ter or to a Landon 1978 I Provide 10 CH, DEPENS STORAGE, "Son Little Philosophy" by Hadeline Hund Moden Take by Annue Hilde and ack Humply Dampty. "A Trip Round the World Soundary" L.C.M. of the Budy Start, "Insection that

A 15. How Scouts and Girl Guides' News.

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Talk by the Radio Society of Great Britain. S.R. to all Statemen. Lescal News and Weather Perentité

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At the Piano, The Composite,

To T MR SI NAL PROM GRIENWALL, and 2NI
FRERAL NEWS BULLBTIM. S.S. to all Southern

Local News and Weather Formenat.

To W M. STRAVENSON, F.R.A.S., on "Variable State."

To THE SAYON ORIGINARY AND SARON

10.0 THE SAVON ORPHEADS AND SAVOV HAVANA SIANDS, relayed from the Savoy Hatel, London, S.B. to all Stations.

ner down Assument J S. Dodgrob,

BIRMINGHAM

2.30 4.50. Starles Pisso Polabette under the Direction of Preside Cambell.

5.0.- WHILE N'S CORNER.

at Age of the State of the Pope ask.

If I was true?

Gate—Boy Scoots' and Girl Guides' News.

16. SEWE, S.R. from Lundon, PFRCY SCATOLES, 5.B from Lundon, Radio Spearly Table, S.B. from Lundon, Lord Sewn and Weather Forecast.

Claudeti Programma. STATION PIANO OF INTETIP under the Direction of FRANK CANYEAR.

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Table Wagner to Wagner Wagner School Louise to ANA FLSIn STELL.

Canzecto for Two Models Sections See Sections See Section Sec

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Piano Trio in A Minor Arra by

9 to News S.S have London Mator VERNON BROOM, M.L.A.E., Regissering Points "

C.O. Tiff SAVOY BANDS, S.B. from Lendon 2.C. Close down Annowhere B. Cecil Pearson,

BOURNEMOUTH.

0.46. Titlet Royal, L.R.A.M. (Pincolorta Recital).
4.0. THE ROYAL BATH HOTEL DANCE DANCE relayed from King's Hall (Director, DAYAD LIFF).
4.43 WOMEN'S HOT R

relayed the NS 1107 K
4.43 WOMENS 1107 K
5.16. J. Di 1257 HC K
6.0. Boy Scratt and Girl Guides' News.
6.15.—Scholory Half House J. C. B. Carter, B. A., A. E. C. Lon.,
"Shakespoore"
"Sh O NEWS, S.B. from Loudon, 19:RCS SCHOLES, S.B. from Loudon, Ratio Society Talk, S.D. from Loudon, Loud News and Weather Forecast. Local Shows and Popular Right. * 40-c.0. In creat. ** Popular Right. **

"Papelar Right."

B.D. THE WIRELING STRANGESTRA
Conductor Capt. W. A. FEATBLESTONY
Overtark, "Marron

8.10. FRED SPENS ER (Entertainer)
als: "Arris of a wish only
Outhertra.
Norman, Longing"
Hall Valie, "Bourremouth Carlon Masic.
Longing " ... Fratherstone

5. M. One Minute's Caronin Masic.
LATHLEEN WELLS and J. WILSON CLARIDGE in a
Sketch, "THE OPEN DOOR," by Suite,
One Your Carlon Masic.
Switching "Marries of an Masic.
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Syloction, "Metric England"

Fred Expenses,

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Linear Dances, "Nell Gwyn"

Three Dances, "Nell Gwyn"

The Cowning of December of Fred Dankerte.

The Cowning of December of John Dankerte.

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Local News and Weather Processes

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DAS J. WILSON CLARIDGE Elecutionally.

Marker Monotopue, "Edward Gray" Tens in
"Chart of Lave for Sadand", Holes Gray Com
10.0. THE SAVOY BANDS S.B. from London,

12.0. Case work

Angometr John K. Raybonda,

CARDIFF.

5 J.- ** SWA'S** FIVE O'LLUCKS** Mr. Isaac Williams,
Keeper of Arts, The Nathanal Mineton of Wales. Vocal
110 ** Connect of Arts'es. Talks to Weaner. Westger

Foreign THE FOUR OF THE "KINDSE WINKS,"

B to Buy Scouts and Gut Gudge Nova,

T. O. MEWS, D. B. from Length
FIREY SCHOLES S. B. J. on London,

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Lad News.

When England Was " Merric."

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A STREET TO R S 10

MANCHESTER.

11 30-12.30, -- Concret by the " 2ZY 0.3 HOLR

5.30. -CHLUREN'S HOUR.

6.60. FRANCIS J. STAFFORD, M.A., M.Ed., French Talk.

Talk.

7.0.—Né VS. S.B. from Landon.

PERCY SCHOLES. S.B. from Landon.

Rødio Scriety Talk. S.B. from Landon.

Local News and Weather Forecast.

Local News and Weather for coast

7.15. Symphosy Concert of British Marie.

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Hungarian Fundame for Placo and Orderstra Lost (Sulo Plano, Maurico Cole , TO NO. THE SAVOY BANDS. S.R from Lander.

10 0 figure di mn.

Adupation Vision Sept be

NEWCASTLE.

2 45-4.45.—Comments The Clay Page Trio, 4 42.—WOMEN'S HOUR Eds. CHILDREN'S HOUR

6.16. CHILDREN'S HOUR Mrs. W. M. Richam on MA.
Vink to Launda, Mount Rabbuet and Ningara
6.30. Boy Seouts' and off Junder, News,
6.40. Farmers' Cornet
7.0. No. 1.5. June Lendon
16. No. 1.5. June Lendon
Radio Society Talls. S.B. from Landon.
Local News and Workber Forecast

Excepts from "Rosses and Juliet"

636. JOHN OUVERP (Buriage).

506. Sinuri Soid "("Tacobless")"

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Away in your Cottage home, outside the City, far from the hub and bustle of business, you may sit in comfort during these cold evenings and yet share the enjoyment of music, the interest of late news, and other matters for your edification.

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WIRELESS PROGRAMME-FRIDAY, March 28th.

- The letters 'S.B." printed in Platics is these programmes signify a Manufamous Breedeset from the station man-tioned.
- 10-20. Truns Signal from the Ben Concept. The Windows The above the Proposition ages single in the Plane.
- Train Do Ti V v Make an Enderdown." by Dorta R Sharlduo Songs by Christian Fing (Contralle), "The Housewife's Sisk." by a Barfinarrai-Law
- 6 No. 1 1 STURIES Mim Rose Pyteman on a Adopt a Raty." by Tinker Taylor an he Harmages and the Docker by A. A. Siller (no. 1 to Very-Go Round). Sauge by Liste Sax. "Tressure Island," Chap. 8, Part H. by Ribert Lemb
- R v. 41.45 To provide
- 5.45 -G. A. ATKINSON (OF H.B.C. Phu Critic) " Seed on the Screen of and Secure
- 7.0 -TIME BIGNAL PROM BIG BEN, AND 1ST GENERAL NEWS BULLETIN. S.R. to all Stations Lexal News and Weather Percent
- 7 13.—Species S.B from Plymouth on the orcalos of the Opening of the B.B.A 's Plymouth Roby Station

Saint-Sweet Employ.

- THE WIRPLESS ORCHESTRA
- the he had an in the work
- Overlage, "La Princes James
 I've 's estant capitate and Desirut on 's On notes
 1004D COLLINSON (Tenns).
 "Store D My Brothers," (Act I's
 SyULL MADEN (Contralle)
 "O Love, Prom Toy Prover" (Act II.,

- Dr. L. So SAKUE PEACH in a tilk on " Hurson "
- Symphogae Poem, "Photom." Sytal Maden and John Collinson, with Orrhestra
- Second Conf. Art II., communiting with Second II. Spite of All to Phis Place." and concluding with " Softly Austra My Heart?
- Taraname for Tana and the first Prelade to the Pictude
- Intribute by FRED SPENCER, presenting Mrs.
- 1.16. P. R. LOWE, O.B.E. Austron't Kneper in Change of Birth. The Natural Mistory Museum, "How the Wild Fowl ps North to Spring.
- THE SIGNAL FROM GREENWICH, AND CHYCHAL NEWS BULLETIKE S.B. of all
- Seat and. Local News and Weather Foreignst
- BAINT SARNS PROGRAMME (Continued)

 M. The Sames
 Sold Marten, "The Rell": John Collinson, "Let Us
- Dr. L. do Gardo Pench will tell a few Stories.
- "Revers do Solo" from "Silve Algéricose
 Free s cours "Mrs. Sees a la Westoine
 Orchestra.

 Daniel M. C. Crape."
- Datis Starp its
- 20 30. Chur down
 - Annuages R F Palmer
- 5.50-105, Lawrits Picture Moure Occinetes, ander the
- 5.0.- WOMFN'S CORNER Note W. Barnett, D.A. Tenest Inlie, "A Week of Galety in the West Inches." 5.30 Agricultura, Weather Potocist.
- KUPPLES CORNER
- Q. Q1 Town
- 6.45. Q. A. ATSINSON. S.B. from London.
- NAMES OF BUILDINGS OF STREET
- Local Reus and Weather Portrast
- 7.15.—Speeches Salt. from Pterpouth on the accomion of the Opening of the B.R.C.'s Psymouth stein; Statum
 - * Speciel Request Programme
- Mendelsspira Taquest.
- Covermitten Mignes FRANK CANTRILL (Sele Vieles). Schwied Acknowns * Strendo **

 Tramperte*

 Ondours
- Short or sale to higher Son - realized Tharper To the stage to any
- Carabida into yan
- JOE LONGWORF (Hamorist) with MEVILLE MOS-WORTH at the Plane Selected Items from his Roger

- Or lines: a Melodie, " The Call of the Argelon " Wolfers stees tenesces Rora A has be findered.
- 9 30.-NEWS. S.A. from London.
- Local News and Weather Forticial
- 940 W.R. STOKES, F.R.A.S., on "The Wonders of the Reaven."
- For the Water From The Contract of Park Park Park Processes of the Form of the
- 10 W) Close down.
 - Ameninous R Cod Postson,
- 2 to. The dBM " Trio and Gerald Kaye (Tenor).
- es weressing
- 6 15-AJDD ES HOUR
- 6 5 Scholars Man Hunt Hubert Hill, "Rature Talle," 8 46.—G. A. ATK'SSON. S.B. Jose London
- 79 NEWS, S.2 from London
- Lycat Notes and Wenther Fortical!
- 16. Spenting S.B. from Plymouth no the accession of the Opening of the B.H.C. a Plymouth Relay Stocon.

" Desen Hight."

- S.O. THE GOVERN PAIR HATTE DANCE BAND, CORRECTION AND FIRST COMPANY FAIL ASSESSMENT OF THE COMPANY FOR THE COMPANY OF THE COMP
- 6 32 THE WIRPLESS CHATTERS CONF.
 Conductor, Copt. W. A. FEATICERS CONF.
 Selection, "The Quaker Girl", ... Senetico.
 F 45. The Royal Rath Rotel Dance Band, Player from
 King's Hall.
- 5 Orefresten.
 The Burl and the Gira"
- 0.80, ME-VS. S.B. Sym Leader
- Locu News and Weather Forecast
- 0.45. The Royal Bath Mighel Chance Bland, relayed from 1 King's Hall.
- 10 16 The Rayal Buth Rotal These Paul, reinyal from King's Rall.
- 3 to Clinic down
 - Approprier John R. Re mond

CARDIFF.

- o aways "First coff ochs" Versi and Instru-ments are some the statum brobesies. Talks of topon Weather Formasi
- 5 65. THE HOUR OF THE "AMPLEMENTS"
- 5 th.-G. A. ATKINSON S.B See Leader.
- b .- NEWS. S.D. from London
- Local News and Weather Forcest
- 7 M. Secrethes S.B. from Flymouth on the occasion of the Opening of the B.D.C & Phymouth Relay Station.
 THE ROYAL PRINTING GLES SOCIETY, Uncelled REGINALD BUSSELL
 THE STATION OR HESTRAL.
- 740 Part Sough, "The Headstrut Chane" ... Ashills (2)
- 7 th Sanga, " Down by the Sally Gordens " . . . Weghes (1) " The Ward's an Ole Woman " Post Bares B.S.-Orchestral Selection. " A dieskal Switch." , Alford

- B.4: Sings, To exacens They broken in
- 6.55.-Part Songs, " Who Sails With Drake? " Canalish '2) Anathra fare #5 Torque #65 Server | Bernard (N. Bridge | Bernard (N. Bri
- P 22.—Songs. " Far and High the Creates "....... Keeley Shorter See Th. Ann. -: Norther 9 10.—NE WE. S.B. Into London.
- andal News and Weather Foreigns,
- 9.45 Printe Misse
- 10 st. Time down
 - Account of the look at a

MANCHESTER.

- 64 7 NS DO'R
- 5 M.-Farmen' Weather Forecast
- \$45.-- CHILD DREWS HOCK.
- 0 to G. A ATKINSON S.H from London.
- 7.0. NE WS. S.B from London
- Local News and West her Forecast
- 7 15. Species 5 % from Plymouth on the occasion of the Opening of the B.H.C 's Plymouth Raisy Station.
 7.80 8.0.—Interval.
- - Denos Night.
- 8.6. THE CORN'T RECEIPT DANCE DANCE WARD, "Ah Kracena" (I) Function, "Oh Shapena" (I) Function, "Oh Shapena" (I) Function, "You kindled Mar of My Mother" (II), Oncomes, "Rating Google" (I) Fee-dark, "Nether Lou" (I) Lauren, "A Kicht of Borres", "Nether, "Maggie, Ver Ma "(7) Wille, "A Gooden in Perstany"
- 6-48.—GEORGE W THOMPSON on Marvels of Water-(3) Fee and Good
- Was Brise "Francisco" "Intellige" (I) Doesdop, "The Spakes of Band very services of the Color of the Band Spakes of Band to the Color of the Color o
- 9 70 NEWS. S S. frage Landon
- Local News and Weather Porteast
- D 65.— W. F. FLETCHER Spanish Talk

 Thanks Thanks Thank
 White, "Dream Kies" (b) Fore-tree "Do 14" (b)

 1 on-tree. "Liven on the Farin Theo All Sign on Von.

 Walte, " Neille Kelly, I Love You" (b)
- 10 30 Clare don't
 - Appender Victor Sporthe
- 3.45.—Correct May Joinstone Hole Pinactorie), Mobel Herbert and Stuny Melatoch (Durts)
- 6 WOLFNS HOUR 5 IS A HUDRENS LACE 0.0.- Schulger Half Stear Mr 4. Orange, 3.5c., on "En
- 6.35. Farmers' Corner Mr & Wheliton on "Leather judicht and Wirewarms."
- 5.45.-G. A. ATKINSON, S.D. from London
- 7.8.—NEWS. S.B. from London
- Local News and Westler Foregat.
- 5.15.—Specifies S.B. from Plymouth on the occasion of the Opening of the B.R.C.'s Plymouth Relay Statem.
 - Horthumbries Hight.
- Selection of Northbores to Swige
- Selection of Northernot in Sough Winnington

 9-18. CATCHESIDE WARRINGTON (Entertainer)

 18-19. The State of Leonary Planta Worrienton

 18-20. LEONAR RAINBRIDGE Statement

 18-

- 5.86. Orchestra.
 " These Registi Dances " **FAMBAR**
 - MAG. Tom Clouds.
 Lord Lover's Lament house, as to Born A on a to Same some of the control of the t plube 3: Baco
- ng one thereway
- 9,30, NEWS, S.N. from London. Local News and Weather Foreign
- U. Onderstra. Selection Bishop's Songs
- Cambridge We could be Morres and Ann Repr Yell be Kind to the Downer " see Morres and
- "Cachie Butteriole" and Sandelline Cachie Butteriole " Cachie Butteriole " Cachie Butteriole " D'Ve Ren John Phei?" " Because 1 West Say"
- Mescalle (11)
- 26 % Os destra. Searction "Stop Flyting palitic Cines shows.
 - Abnominant V M Showers.
- A number against a special flore indicates the same of its publisher. A long list of publishers will be found on page CSL.

The Mystery of the Microphone. Revival of the

By P. P. Eckersley, Chief Engineer of the B.B.C.

MYSTERY? Why mystery? The merophor is simply our instrument for converting the wave motions of cound into equivalent after nations of electro-motive force so where sether interest (Swank)

well let me try and delve a little deeper into a real and explain as best I may the very heart of broadcast, the microphonic

heart of broadcast -the microphon

10 You know what sound is ? It is (assuming you don't) a wave motion in the air. If you blow middle C on the orean, and you had a quiet moving sensitive barencter in the field of the sound, you would notice that the pressure of the air was changing some 500 times a second, and first the pressure would be above the steady pressure of the air when the sound was not present, and next the pressure world be below this normal pressure, and the alternations would follow one another 500 times a second. These pulsations of pressure falling upon the sac, produce the sensation we call sound. If the pulsations follow one another as slowly as thirty or forty times a second, we say that this is a very deep or low note, if, on the other hand, the frequency of the polsetions is 10,000 a second, people start looking round for a bat- a very high note is produced

Where Animals Excel Us.

The human car's limit is about 10,000 to 15,000, varying with different people; but uogs and other animals can hear fuglier notes. One day, during the Children's 11 are a note was blown on a very high-pitched whatlebut no one listening on his wireless, or even in the studio, heard the whatle. On the other hand, lots of dogs got very excited whenever they were in range of 'phones or load speaker. This proves that dogs have remarkable hearing for high notes, but that human beings are limited. (Query Do dogs convoice in supersome whepers? At any rate, if they do, why don to they stick to it and stop barking? Dogs in our streat, please note.)

When Sound is Dead

Thus sound is present in the air, and if we place so alarm-clock alarming away fit to wake the dead in a bell jar from which all the air has been removed, you can't hear it. (The lady who gets my invakinst ready, planse don't note.) Thus, even if we shout our statest, our prayers can never reach heaven as sound, nor can we communicate the luminest warnings to another planet were she musetful enough to hear this way.

But. Wireless, yes! Now suppose we leave a disphragm made of steel somewhere in the way of these impulses. A disphragm is simply a circular piece of thin metal, olamped round the edges and free to move at its centra (see your own telephragm, and make it would in and out; faster wobbles for higher frequency of impulses, bigger winbles for more interse in pulses.

Changing the Magneliam,

Now near the displiragin put a magnet wound over with little spools of copper wire. When the displiragin is nearer or further from the magnets, so the intensity of the magnetism is end are no the colls varies. Changing the magnetism creates corresponding changes of electric currents in the coils, and the quicker the displiragin with less the faster change the currents, the bigger the widdle on the displiragin, the bigger the obstiges in the electric currents. Thus the currents copy in intensity and frequency the sound waves impinging on the displiragin, and this is the principle of the moreophone.

Test this for youngless by getting two pairs

of car phones and jouring the leads together sy a lens piece of twin the wire. Let a friend a into one room and betch. That who mor our temphones, and your friend will hear all you have to say

This was the principle of Graham Bell's first telephone. It is the principle, more or axis of the inicrophone we also in London to day. The reason the telephone sets both ways is chapter, for if you wary the current in the or cut formed as above, obviously the diaphragin is the other one wob ites, too, and makes not pressures and reservations in the sir corresponding to the cut of the sir corresponding to the cut of the sir corresponding to the sir contract of the sir complete the sir contract of the

Bat's Squeek and Borscon.

Of course, we don't use esseth that principle for breadcasting, but it is semething like it. We have to ensure that every frequency a sound gets in equal chance, and that the last sequesh thrills the distribution just as much as the bissions when the player is could frowning.

A resonant displanger such as you have a your telephones is very efficient, but it is far fonder of maide C than A in alt. It also laves maidle C to the detriment of organ pelal notes. Our displangue is so soggy, so wrapped up in coftent wool, that it favours no frequency to the law.

We use another sort of disphragm, too, in our work, which is so tightly stretched that it years only to resonate to those same supersoon dog notes, and to all the himan frequencies it gives an equally controls, but unfailingly unbiased attention, the true ideal of a broadcast microphone.

A Simple Problem.

We take great care that nothing shall allow our microphones to favour case frequency, and that is why in one type it rests accessely on a barumack of sponge rubber, in another the business part is bring on little springs so that the case may not resonate and affect the sounds

So had as the mystery of the Microphone's are wearthing that moves in sympathy with he extensive and frequency of the sound we exame at meaning creates corresponding sympathetic electrical pressures. But in a broadcast in replicate that sympathy must be extended to all frequencies alike from 30 to 40,000 a second. In an ordinary telephone microphone, you can, and do, use microphones that only favour those frequencies that make for integrability, the middle frequencies, in fact. This enables you to make these microphones sensitive without having to use valve amphifiers.

Importance of the Amptilia-

Our microphones are so inscusitive by themselves that you could not hear mything hardly if you were connected up to them with tenphones direct. That is where the ubiquitous valve bomes in, and with the maphifus our microphones are sensitive example to hear a wamp at five yards, or an amounteer changing his mind about the pronunciation of an Oxford college at the length of the studio.

Usually, when a singer sings a solo, the microphone is about ten feet from the singer—the

passo is, perhaps, 16 feet to its centre away fluorance, or favouring any one particular note of sound either in transmitter or receiver, tends to spoil reproduction. We have done our bit; it is now up to you to eliminate your 'phone and loud-speaker resonance. But that is all another story, and you will want to turn back to my article on "Your Receiver—Our Transmitter."

Revival of the Harpsichord.

Mrs. Gordon Woodbouse and Her Art.

If is more that the notes of the narpsiels of are heard in homes to-may. Yet in the seven run h and eight centh centuries it was the most important of all keyed instruments. It is now regarded as resented y a universal sinctromized, processing an irresettide appeal for messars in ordination, and has been desirbed as a stringed orchestra in maintains. Both Debag and Vaughan W. kama have composed for it.

Quita Unlike the Plane.

Mrs. Variet Gerder Woodkanse, whose accerding mustery of the capabilities of this intrament makes her one of the finest Bre-sh carpusbradists of to cay, and who stands carried belus in interpreter of flach and Mozart, in to play at Le - a Station on the 25th of March Les as a breefore, will have a unique

Let us herefore, will have a unique opportunity of judging for themselves the charm of this rarely played instrument, for her sympathetic missical temperanent, and here rest technique, are quenties which have so on this conson will appreciate

The ancestry of the harpenchard goes back to the early days of the differenth century, for the principle of its mechanism is identical with that of the viranals. It is entirely different from that of the piano, in which the strings are strick by a handiner, for the virginal, like the apinet and the harpenchord, but a wood apright estled a pack, which is raised when the key is strick, and this in turn causes a picetrum to place the strings.

A Specially-Made Instrument.

Various materials were used for the placing the principal being quille and leather. The former give more brilliancy, the leather produces a sweeter tone, and has the added advantage of being more durable.

In the early harpeichord the stops were contraded by the hand, but Marces a "Meanment of Music," 1078, gives a description of statestrament with "various stops at pleasure, and quick and nimite to the ready tom of the foot." They are so controlled by the six words of the instrument played by Violet for so it a largue. It a metal is whose introduction to the instrument caused her to absolute horder to devote herself to the mastery of the harpeschord.

Favoured by the Musters.

Apart from the Elizabethan writers, all the great masters down to Mount and Beethoven have written for the harpsuchord. Fureell, the Couperins, Rameau, Scarlatti, and Bach. The latter's disripsichord works reveal beauties annuspected and huden when presented upon the piano.

The programme Mrs. Gordon Woodhouse will broadcast includes works by Book, Mozart, Scarlatta, and Handel.

It is hard to say why the harpsichord should have falled into dissist, for particularly to the chalent t has a great value, and no lover of the old masters can form any idea of what their much was like, until it has been heard on the instrument for which it was written.

Listeners to 2LO will have this opportunity when Mrs. Cordon Woodhouse broadcasts on a needay next,

Thanking in wireless is to be included in the syllabous of short courses of instruction for teachers arranged by the Board of Education to be given this summer.

Stories and Story-Telling.

A Talk from London by STACY AUMONIER.

The short story as acknowledged to be one of the most difficult forms of literary expression, and the masters of this style of fiction can almost be counted on the fingers of one hand. Among them must undoubtedly be classed Mr. Stary Aumonitor, and in the following Talk he deals with the factory of his art, and has some cutertaining things to say about broadcasting.

S FORY TELLING began when man first D secure articulate. When I omersed into what we can only cal the art form it is in possible to say. Possibly in some remote tribesman in recourting some ep sode of the at the or the classe did at an such a manner a . " relike the car of the chief, who bade han repeathe account. The tribesman, pleased that the hiel was pleased, went home and thought about it. After mature reflection, he read of but what he had said had form and a He looked out for other ep-sodes that he rould mbellish in a similar manner. Not finda a been episodes hoppen with satisfactory regaanty, be began to invent them us to twist themal happerings into a more reman trainable form. The story emerged

The Test of a Good Tale.

And these early stories were handed down and became legends. And legends became myths, and myths became sagas. And in time nan began to merribo them upon stone and open bone, and, later, upon papyrus. Ejagraphy was invented, and ther calligraphy, and after a great he so of time, printing,

But al. these seemes were merely codes, an ampadication of the spoken word. For the story re name in the end a story to be told. And I think you will find that the test of a good story is that it always lends itself to reading alcoh-The spoken word most inevitably have the advantage over the written word

Seven Plats in the World.

The Boble is an oral story, or, rather a sollection of usal corres, recounted by numerous reporters. The Arabs, who have always been ntion est the best of stery te lers, do not wrother stories down. They are handed down by word of mouth, and built apon traction the same way that the Gothic churches were built by the mesons, the difference only being that the mesons recognized the limitations of architecture, whilst the story-tellers recognized

the Jim attom e! burnall pature

The Arabs have asserted that there are only seven stories in the world, And this you will find substanhally true, in that the crises arrivable at by the intersection of human possions and human emptions are limited to about the number Thus, you will find the same story being told in the north of Iceland, and in the south of India, with the only difference of change of Lameter and setting.

Æsop and O. Henry terimmi and Leonard Merziek work in identirally the same material. and the inventions of steam engines, motorcare, telephones, gramophones and wireless only affect the story to the



Mr STACY AUMONIER

same extent that stage properties offers a deama.

I has say then, an person whose job it is to tell at once that Breadensur appeals to me strongly, in that it is a reversion to the old order of things—the spoken word. It opens up an analysis wirts of possibilities. I for the latest coming when ratend of buying a magazine at a radway station, you will go up to a met or charge of a bar and save "Please, I want a pennyworth of Etnel M > 1.

It also holds out a further attractare will probably remember in K pling's preface to

Life's Hancicap," he describes a very old me eyed hole man, manuel Gobind, who lived in appaland and fed the habes twice a day with I tile periors of bread. And Kipling had long talks with aim about life and philosophy and auch things.

And one day knowing told the old man about as own profession, and, after refrection, and fashind said. Even so. That is the work of the bazant story teller; but he speaks straight to the men and women and dots not were anything at all. Only when the tale has aronaed expectations and enjamities are about to attack the virtuous, he stops suddenly, and lemands payment ere be continues the narration. Is that so in your scall, my son?"

Arousing Expectations.

Now that, I am sure, must appeal strikingly to professional tellers of tales. For you cannot do it with the written word. The story is typed and the editor college it, and you do not see it again until it appears in print. But suppose you were engaged to broadcast your story You could work it up until it "aroused expectato attack the virtuous" you could leave off.
Of course the comager would come rushing in, and he would shout: "Go on, for goodness"

sale, the listeners went to know what happens

And then, of course, you've got him. You simply say: "Oh. do they? Well, that's all right. I'll tell them, but that will be seven-andsixpence !

The Detire for Expression.

These are, perhaps, rather frivolous and second maenta for waiting to revert to the spuken word. link there are more commenceable ones. The story of story-telling is the record of man's endeavour to convey that which is in his beart and brain to his fellow-beings. One lives and suffers and structes; falls in love and does mily things. One firsts oneself surrounded by beings apparently enduring similar experiences.

There they all go with their loves, hopes, cas prominents, their tegacies of hatred and tralousy, their courage and optimien, their weaknesses and Irailing, and one day the whole thing gets yor You want to so something with it. You want to express it is some form or another. The painter will do it in terms of paid, the sculptor how it out of stone, the HI 1905 (21) melodic idiom, but the 'story-teller wants to tell people about it. The exigencies of social afe have driven ham to set it down in block and white, but in his beart it is always the spoken word which is the note vibrait, because shough that he becomes in closer contact with his fellow-man.



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WIRELESS PROGRAMME-SATURDAY, March 29th.

signity a Simultaneous Brandani trace the station man-The letters 4.2. printed in Italies in these programmes

LONDON.

WOMEN'S TALKS "Worter at Inventors," by Erlen tyting Senter Phonocerts Soles by Cont Dixon. "You Sort the Cut Office Say to Kachteen Continuer of the Cut Office Say to Kachteen Continuer of the Cut Office Say to Kachteen Continuer of the Cut Office Say. "And Soph to a Cutoffeen's News. "Model Sature" by W. J. Bossett-Locality of the Cutoffeen's News. "Model Sature" by W. J. Bossett-Locality.

70.-TIME SEANCE FROM BIG BEN, and IST GENERAL NEWS BUILDING S.B. to all Stations.

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" Thinking of You " Eric Contr.

Sane No. 1 " L'Arkeitenge".

1 Protode, 2 Minuette, 3 Adagiette, 6 Le Corploy. 9 30 - TIME SIGNAL TROM GREENWACH, AND OND

GENERAL NEWS BUILTET'N S.B. to all 500 of Local Nows and Weather Forecast

9.45, Capt RICHARD TWELVETREES on Materior

Annaem er J. S. Dedgere,

BIRMINGHAM.

3.20 4 20 Kiddles' Concert by the Kuldos.

a.e., WOM, V'S CONVER-

\$.30. Agricultural Weather Fore a #

Remarks by the property of the

t.o. NEWS S.B. from Landon

Local School of the Park of Park of

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D SYLLSON Hancoure Lecturer et the B R R A , "Furcher Hancoure Recharges et the B R R A , "Furcher Mann en Bess.

P.SO NPWS. S.B from comme

Lord News and Weather Parents Football Review

School on Control of American Control of American Control of Contr

10.39 Ago as of 1 of Pearson,

BOURNEMOUTH.

3.4h. J.ther Rowland, L.R S.M. (Solo Planeinete), Butler! Stifthwart (Baritone), Can'tyn Seythour (at the Plane). A 45 - WOMEN'S HOUTE.

MILER DURS' HOUR,

fi.15. Scholars' Half-four T. Scattergroul, P.S.G.S., See St. Commun. Scholars' Half-four T. Scattergroul, P.S.G.S., 10 No. No. No. No. No. 10 No. 10

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Se a partir dia lah P.30. NEWS. S.B from Landon. Local New and Weather

9.45 -- THE SAVOY DANDS. S.B from London, " " I to done.

Anno o John H. R. interna-

GARDIFF.

o. "EWA'S" "FIVE O'CLOCKS" Vocal and Instru-mental Arthurs, Talks to Womes, the Station Orchestra-

3.45 THE HOUR OF THE BADD OF NA-

2.0. NEWS. S.B from London

Local News and Weather Forcess

Popular "All Respect" Programms.

N.B. The spect popular "requests" received were for string supposable to include this evening "Bodiestral, Draumic and Literary works. These will be supposable to soom as occasion others. Marcheld's "Reynard the Fos." soomed the largest number of votes.)

Viculiars | [ARCHIE GAY (Tenor)]
Solo Placefore, VERA NACOMS TROMAS

1 1: 573 - X to 5 534
Chairman JOHN HENRY

D. Orchesera. March, " Popip and Chrumstages No. 1," Starbar Back

40. Form Row and Sulf on Part Affe Plan p dager

6.6. Interbule by the Chairman and Mes. John Henry

Size Arche sery
"Angel- Gount Three" (with Violin Obbligate)

Orchestro
Selection from " Pie Children's Oversure" . Omite

5.02. Marione Gunter Williams
The Jewn Senn ("Faust").
5.7 Corner Salo. Testi

8.42. Intertude by the Chairman and Mrs. John Henry an Post Property of the State of

5 Prince World Puglano" is to the Market Sugarant.

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P M. Oprisestra.

Selection, "Meladious Menistra". 0.50.—NEWS. S.B from Landon

Local News and Weather Porceast.

9 db. Orchesten.
Murch, "The The Soldbers" Garden
Walta, "The Merry Walper
Descriptive Figur, "In a Monessery Garden
Keighter (6) 10.0. THE SAYOY BONDS, S.B. on some

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MANCHESTER.

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at Families and the with the first the

7.0.—NEWS, S.B from Lundon.

Local Serve and Area Server

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Reprinted to Barry and Printer

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VICTOR SETTING and Algy
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Bailet Music, "Resamunde Su. F. ore 6 to Friend Friedman N. M. N. Mart. Special and Mart. Comp. Su.

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Ond News S.R. and Thirden Like were now Where I are an

9.45. THE SAVOY BANDS, S.B. from London. AND BURNO

. - Ambounces Victor Smythe,

NEWCASTLE.

2.35 more v. o. is emble that Pearsdorn lange Rose com whole is hard v. do. Assembly Roses.

446.-WOMEN'S HOUR.

5.1 CHADREN'S HOUR T R Williams on " water and its People" Part 4.

5.85. Farmers' Corner | Mr. H. L. Rawson on "Type of Son!."

7.5. NEWS. S.B Prom London.

Local News and West are Fore as:

DAND OF THE NORTH MDERIAND BY SEARS By Perminism of Lt Cole II. Sidney, D.S.O., T.D., and

"The Piper Spring"

7 Sh. BARRY CORR's Baritance)

"On Wings of Score"

Bard.

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9 00. XFWS. S.R. from Landon Local News and Weather Forecast,

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are a Nice of Heart's Delight

Piccolo Solo. " Lo Resegnos de l'Opera " Passare to Les Chanter as the late part care and

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A near-her against a munical items saddening the name of its publisher. A key list of publishers will be found up page 48.

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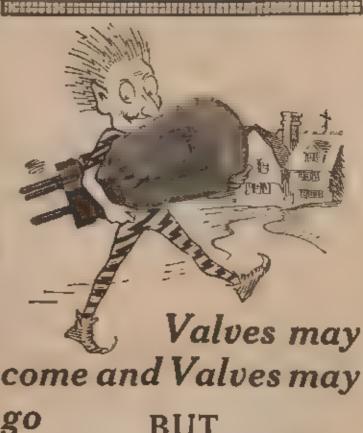
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2 M. PRYPRIARA PARISH CHURCH CHOIR, a harter GEO A. INNES.	BARLY TALIAN MUSIC THE WINDLESS ON HESTRA, Rama	E.10. Community Singing: Elgar (1) S.20. Whatfool Fisher
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D Sacious of the World " 7, " Gots (1)	"Ogni Schule avecte il lume accesso" Gerffermi Nice " Cornectes	M.M. THE LORD PROVOST OF ABFRORN L.S. Community Staging. "Spots Wha Ray" " Traditional
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The HAWLPLUE Company 4M. London.

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M.O. No. 90. 20. June abstract
Local News and Westler Forenat.

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SATURDAY. 3.00 (32 E or

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8.16.—THE CHILDREN'S CORNER.
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HE CHILDREN'S CORNER.

CONDUCTED BY UNCLE CARACTACUS

New Ways of Blowing Bubbles.

CLLO, children ! A little while ago the Bournemouth Station held a competition on "My Favourite Book, and Why." Lots and lots of people went in for it, and the winner in the chas for those under seventeen was Miss S. Brewer, Lindom House, Churchill Road, Gloucester. Her entry was so good that I am printing it here :-

My favourite book! What genit these wireless sizards are! Did they know that I've just read the most glorious book and am simply bubbling over with enthusiasm, and dying to tell someone all about it? And it is so difficult to find sympathetic lateners when your favourite is " Herrs Apparent." No! Not because they're not interested. Oh, no! Simply because they're too absorbed in it themselves to listen to your juvenile jubilation !

A Thrilling Story.

I adore that book for all the reasons that a book-lover musters to justify his mania. It is a thrilling story of modern youth, told in the vivid style essential to its theme, and free from those iniquitions interpolations of the author louws as " personal comment."

I am sore it will be of more immediate benefit to England than any classic. It is so easy to read that it will be read by hundreds to whom "Dickens" is but a name, and a forbidding one at that?

So closely are we in sympathy with the characters that we are drawn imperceptibly into the vital problems of readern his forming the heart of the absorbing book. The greater freedom gained by the youth of to-day, with its attendant difficulties and temptations, is cheverly depicted and set against the old regime, until we amount agree that "the young idea in only the old in a different kind of

To those who have seen, "Rests Apparent" brings new questions; in those who have not, it must swaken thought—

and thought guided by such a freshly written book is surely invaluable.

To turn to the more personal side, the characters are magnificantly true to life, especially, I consider, in the case of Audrey Ny "the modern type, frank, healthy, common sensed," and also, unfortunately, Major Efficial, gallant but utterly selfice old sokker.

Finally, the story ends happily and the har har overchings should be prohibited by law, for their was at the rows that mental glow which is Orobe' triumph.

After oll. A merry heart goes all the day, Your and tires in a mile-m." You agree, Heim Apparent 1, , 7

Here's a talk which you may have heard broadcast a little while ago.

A TALK ABOUT BUBBLES.

By Ennast Waltham.

Children, have you ever longed to blow bubbles which will last enough time for you really to enjoy them before they burst? When you blow them into the air from a pipe they soon break, do they not?

Why not try blowing them on to wires for

I will tell you of a pretty experiment which

I have just made for myself. I call it a bubble chute, or serial radway. Most of you have seen a water-chute at an exhibition, where ottle beats run down an in-line on two ruls and bounce about in a pond at the foot, Well, you can do this with buobles if you make a little m way of two thin wires, and stretch them tals, a little distance from the floor at the ighest point, and only a few inches from the floor at the lowest point. They should be fastened to a piece of furniture at a distance aport of one inch and a quarter; they must be kept parallel and tight all the way down to the floor, whose you had them over the edge of a box, or something of the kind, so that the hubble can slide easily off the rails on to the floor. On the floor you make a "pond" to

UNCLE JEFF AND HIS DOG "GEORGE" The other night quite a lot of dags broadcast their barks from London Station. In this photograph Uncle full is seen rehearing his put terrier before the microphone.

wooden cloth, bunched up all round to form "hollow pond

To give you an idea of the best angle to make your railway, I have made one for a table. My two upright supports for the wires are five feet apart

The highest end is two feet high, and the lowest end is only ten melies high. Draw as straight line from the highest to the lowest to see the angle of fall. When you have made it, stand well above the highest end, on a chair if necessary, and blow a bubble on top of the two necessary, and how a bubble on top of the two were. The trail can slowly down the chute and far a to the pond." Blow another quickly to ledow it, and this will fall so mear to the first one, if your "pond" is not too big, that it will press on to it, and; if you are lucky at the list shot, the two will jump into one hubble, with a jelly-lake spring, making one large hubble.

A First-Class Game.

Now, instead of letting them fall into the "pand," you can place a plece of woollen cloth on the wices, to form a buffer stop, and, when the two bubbles spring into one, the big bubble will jump up a little way into the air, and land on the wires again, without falling off

There is such a variety of amusement to be had from this simple experiment, that it is quite worth while trying it. For instance, two such ranways might be made, both meets o at the "pond," and then the fun would start when the "pond" tries to fill up with bubbles from the secondated efforts of several blowers

By the way, I thought that 24,0 were spotling my bubbles when I first started my bubble chute, as they happened to be broadcast ug a concert at the time. Every bubble I tried to make on

the wine broke at once

My ware frame looks just like a ministure sorial, and I thought that it was being affected by the wireless waves, so I connected it with the earth term had of my set, but, still the bubbles broke! I then discovered what the frouble roully was, I had forgotten to wut the wires with the soap saintion first. Do not forget to do that, it is most important. Keep the wires

The Professor's Experiment.

Talking about electricity, I had good reason to suppose that the wireless was affecting the bubbles, because I well remember seeing a professor place two bubbles side by side, each one hanging from a wire ring, and when he brought them alose together, so that they just toucked such other, he made them join into one, by pulling a sick of scaling-wax from under a p. on of warm, dry flarmel, although he was at the other end of the room. I believe the wires were carrielly absulated from each other. You are all electricises newadays, so you know what "mauleting" means.
The wire ring dedge for holding a

bubble is quite a good idea. Make a hole in the air, and twist a piece of we round it! Better st.ll, wind a thin wire round the base of a tumbler, and twist the end round the wire, and you have a correspondic ring, leaving o length for a handle, so that it will rest for support.

Next, dip your ring into a saucer of

ways, and you will find that there is a film of soap in it. Examine the film under a good light, and watch the colours forming on it.

One Inside the Other.

There is an apparatus to be bought for that purpose, but it is rather expersive. Now replace the ring, with its handle in the mouth of the bottle, and blow a bubble through the top of the ring on to its lower side, with a glass tube. The tube must be well writed with the

solution, all over

We will now suppose that you have a hubble hanging on the ring, remove the tube, dip it again in the solution, and you will be able to pierce the film as before and blow another bubble inside the first one

In order to blow bubbles successfully, especially the nort which I have just described, it is necessary to have m good strong scap solution. Try with a good brown or yellow scap, scrape

has shavings of it, enough to fill an egg-oup,

Turn the into a breakfast cup of cold water, and add about an egg-cup full of the best glycerine you can boy. If you allow it to stand long equigh you ought to have a good solut on.

On by other dokk I've got a whole collection of Salos who will send me another to add to my family? (ARA IA CA.

(funtioned on the for my page.)

The Children's Corner.

SABO IN A BALLOON. By E. W. Lewis.

ON November the Fifth Isobel had a party and in the evening, as soon as ever it Was dark there were fireworks

Isober thought that Sabo would like to see the fun, and she took him out into the garden But he was so terrifled by the land banging of the marcons and the spottering of the Catherine wheels and the roar of the rockets, that he hid howelf maide a large paper balloon which was waiting against (he wa)!

Everybody was so interested in the fireworks that no one notwood that Sabo bad gone, or where he had gone to, and he made himsed warm and coay maide the disens paper

When the last rocket had been let off two be ye came running for the balloon. Sabo felt himself being afted off the ground, and was in two minds whether he should call out or do ; through the bottom on to the lawn. Then he thought that Isobel in ght sould him for hid ng there, and so he clang as rightly as he cools on to the framework ande-

The next moment there was a smell of burning. The air round about turn became all at once ev warm, and before he could make out what was happening, the halloon was off !

ha it took the air, swaying gently like a bell. Sabo could hear the chadren clapping their hands and shout ng with delight

They watched it as it rose higher and higher, looking now like a hage yellow pear, and drifted further and further away. Now it was no far off that it looked quite tiny, and the light in it was so faint that, right away in the distance. it hung in the sky for a moment like a dual star, and then passed out of sight.

I wonder where it will drop," and one of the boys, whose name was Billy.

"Over the hills and far away ! " cried Isobel, laughing, "let's go maide and warm ourselves by the fire."

(Continued from the facing page)

Rilly stood looking at the place where the balloon had deappeared, and then at the rising moon. "I wouldn't mind going off in a balluon," he said to hunself

Sabo die not mind much either. He was not



The next moment a monkey began tearing the balloon to pieces.

the least bit sirsid. His first thought was that he was leaving Velvet, and be wished he had had a chance of saying good-bye to her, she would be worsed when she did not find him in his usual place. But there was no belp for it now , he was off on a journey, and it was really most

The cotton wool had burned itself out and had fallen like a crumpled black leaf somewhere to the earth, and no doubt the balloon would have begun also to fall, as the air inside it grew cooler, had not some young Breezes, who were playing games together shout the tree-tops vader the moon, caught sight of it. They began to blow it, as you blow a feather or some thistle down, and chased it through the sky

Let us blew it back home with us," said one of them; and, just as a long walk seems aborter if you have something to play with as you go slong, the Breezes blew the baloon

before them on their way back home. By this time Sabo had made himself as comfortable as he could; and, except that he felt a little cold, he was enjoying himself

babo must have alept, recked in that funny eradic, for when he opened his eyes the dawn and come. The sky all about him was ful, of so " resy light; and then, over the rist of the earth, the biszing forehead of the sun appeared. It was day

a Breezes scurred off like chaldren who fear to be caught playing truant; and down brough the still air the balloon began to fall.

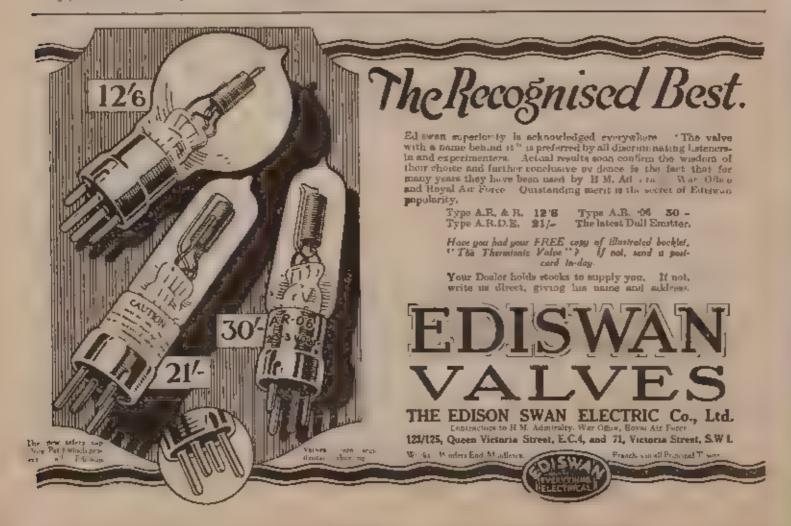
Sabo could see blue water, yedow sands, and leafy trees beneath him. They came nearer to him. They seemed to use to meet him. And seen the ballion dropped gently upon the there, bounced once or twice, and than lay over on its side

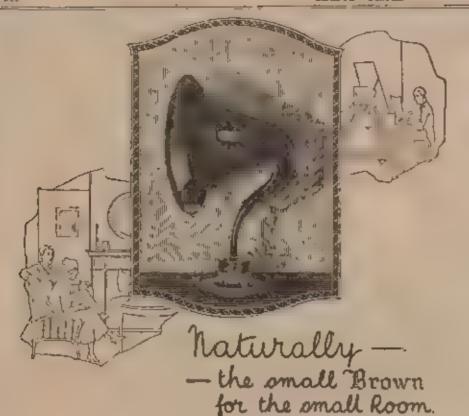
Saba crept out, looked round about him, and stretched himself

The next moment, to his surprise, a young mankey came hopping out from the trees above the beach, and, tearing the balloon to pieces,

began to stuff his checks with tassic paper.
Salio watched him. "Well." he said to himself. "I've got here; but however I will get back again, goodness knows!"

Another "Sabe" Story Next Week.





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FRIDAY, March 28th.

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Greater Haugh, LRAY, ARCM.

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Due Act (A also Man Variat

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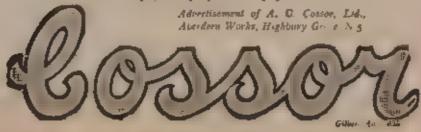
But this unique principle is productive of other advantages. No microphonic noises can possibly occur with a Cossor.

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Letters from Listeners.

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Sh pe Not Always to Blame.

Direction is the contem for he hast letterers to assume that all Muree interference or spark interference from ships, which, of curse, is by no means the case. Here, when listen in the the Birmingham Station, one hears, y a err in of Lexield, whose wave-length is 8,750 metres.

Breently, in the laterval just prior to the reading of the Birmingham nocal news, I heard HZE "Shanghai" called by LY (Bordeoux). Thus, of course, to on 475 matres, whereas Bordeoux's wave-length it approximately 19.000, so that this was the fortieth harmonic of a station (Bordeoux) marrly on a best away bors for his J. Coventry

L. W. W.

To Fight Oscillation.

Dear Sin,—In the interest of all listeners it is most desirable that every effort should be made to put an end to the oscillatory interference which is bringing Actor and Chirwick into unenviable notoriety. The object of nur Association is to bring together all persons anterested in Radio research and, by so de ng, to retablish a feeling of mutual regard for the siterests of others, no that membership shall, carry with it the obligation not to interfere with the full encourage of branchesters by the with the full enjoyment of broadcasting by the listening fraternity.

I should like to explain that this Association, which meets every Toroday evening at 8 o'clock at the Acton and Chawick Polytechnic, Bedford Park, will gladly welcome as a visitor anyone interested in wireless work, and will be happy to receive applications from acrond destrous of joining the There are many ad-

vantages to be derived from such membership in return for a very small annual subscription. not the least of which will be to ensure the rentwal of experimenters' linenees, if, as I, hear it remoured, the Postmaster General is being prossed to scratinize very closely the claims of present licensees when their renewal dates armye.

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This Association is, and, it is hoped, will remain, the only society for this district affiliated to the Radio Society of Great Britain,

Yours, etc., Horace W. Cotton, Hon. Secretary West London Wireless and Experimental Association.
Acton and Chiewack Polytechner. Bath Road, Chawtek,

Wireless in the Sailly Isles.

DEAR Stn.—Mr. Reith's article in The Radso Times on wireless in remote places—parties tarly the Robrides—as of particular interest to me after baving spent some years in a minilar spot

During the war, I happened to be statumed in the Scilly Isles, which for isolation and (in the winter) desolution is about the worst place

One of my friends from Treson Island came to Town lest Novem or and heard wireless for the first time of my pages. He at once became enthasizetic and when he realized that, with a suitable set, he could reserve the programmes in his desert reland home, he decided to take one back I think you will agree that the fact that on the first night he got London, Bournemouth and Card, if and, later, Newtostle, was pretty good for one with no experience in tuning Think what this means to him and the island!

The weather forecast, which many of as sahorn scarcely laten to, is of the utmost importance there. He asked me to send him a logic speaker last week, so by this time the islanders are probably feeting it to the time of the Euroy Havena Band !

This is certainly the mean that the the Reitish Isles. Yours forthfully, A. H. This is certainly the most southerly set in Croydon.

ABERDEEN PROGRAMME.

(Continued from page 585.)

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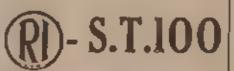
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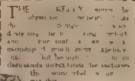


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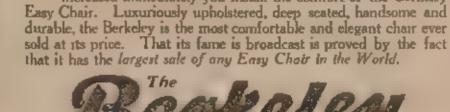


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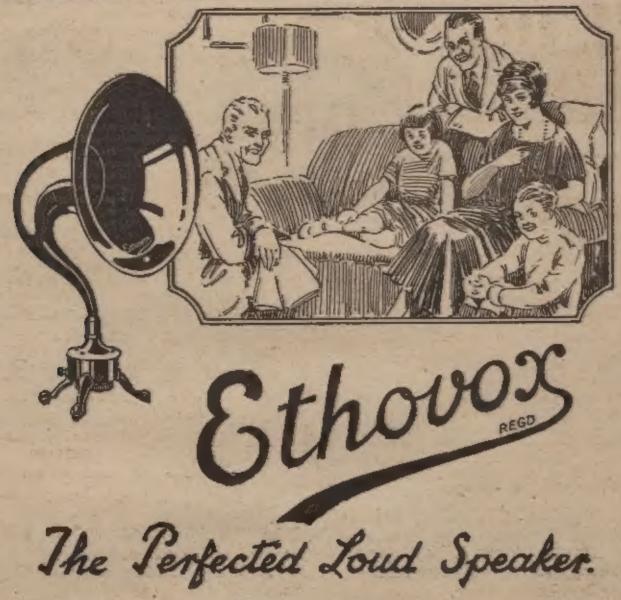
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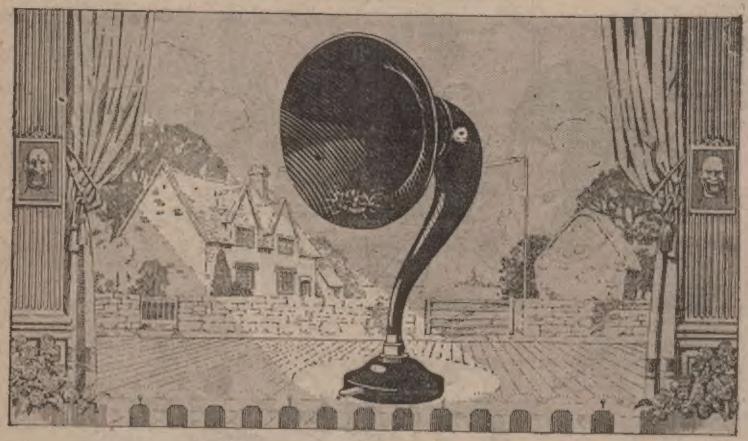
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