

## AL ORGAN OF THE

Vol. 1. No. 4.

[O.P.O. as a Newspaper.]

EVERY FRIDAY.

Two Pence.

OFFICIAL PROGRAMMES

THE BRITISH BROADCASTING COMPANY.

For the Week Commencing SUNDAY, OCTOBER 21st.

LONDON ABERDEEN BIRMINGHAM BOURNEMOUTH NEWCASTLE

CARDIFF GLASGOW MANCHESTER

#### SPECIAL CONTENTS

THE FUTURE OF BROADCASTING. By Lord Gainford.

SOME WIRELESS REMINISCENCES.

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

MY ASSAULT OF MOUNT EVEREST. By Brig.-Gen. C. B. Bruce.

INSECTS AND THE WORLD'S COTTON. By Prof. H. M. Lafrey, F.Z.S.

THE CHILDREN'S CORNER. Conducted by Uncle Carnetacus.

WIRELESS HUMOUR.

LETTERS FROM LISTENERS.

## WHAT'S IN THE

By J. C. W. REITH, General Manager of the B.B.C.

THE great broadcasting controversy," with all the unfortunate and even disastrous results attendant on uncertainty and confusion, is by now a matter of the past.

Last ground is not easily recovered, but it is to be hoped that with the new regulations made plain, with licences suitable for everybody. and with better financial prospects for the service, good days may be ahead, and the past soon forgotten.

Plsewhere in the same Lord Camford gives the Company's view on the Agreement made with the Postmaster-General. The B.B.C. in particular and British manufacturers of wiceless apparatus in general have reason to be grateful to B.M. Postmaster-General for the sympachetic and careful consideration which he gave to the views put before him subsequent to the presentation of the Report.

We are looking forward to having the Post-muster General talk whenever he has views of interest to communicate. I believe he realizes so much as anyone the exceptional facilities which broadcasting affords, particularly more the development of the amultaneous trans-

The Rutio Times seems to be fulfilling the function for which it was created. Interesting and gratifying letters have come in from all over the country. I expect by this time listeners have all been able to secure copies. Some harrowing recitals reached us of pilgrimages round various cities by those who had not taken the pressution of ordering copies in advance. One letter from a North of England town was to this effect: "I am writing to pass severe criticism on the B.R.C. You should have sent at least 14,000 more copies of The Radio Tienes

I had rather an interesting letter from the editor of a wellknown and popular wireless periodical. I shall call him Andrew Smith. "My dear Mr. Reith, - Writing as Andrew Smith. private individual, let me offer you my cordial congratulations on the issue of your first number of The Butto Times YOURS VERY STREETING THE POSTMASTER GENERAL, Andrew Smoth."



Now what did he mean by that ! I hope there really isn't more in it than meets the eye! The letter was highly appreciated, particularly coming from an authority.

The day Sir Thomas Lipton broadcast from Glasgow, we nearly had an accidentan advertising accident. Sir Thomas and been asked to pose for his photograph before the microphone. He struck an attitude, declarating "If you want the best tes" click—the operator had discovered that the microphona was in circuit il . . . .

Viscount Barnhom's speech at Bourn-month was antisipated with particular interest, the being the charman of the New paper Proprietor A sociation. There was in the minds of some people that the Press was last to be added in the Control of the control hostile to broadcasting. In view of the great not think such a supposition could reasonably be beld. Their reception of the new Agreement with the Postmaster-General was most friendly,

(Continued Overleaf in column 3.)

## When We See by Wireless.

#### An Inventor's Prophecy of the Future.

THE transmission of sound by wireless, only a lew years ago a separat a dream. is now all everylay fact.

An even more marvellous thing will soon be possible. Not only shall we hear the performers. but they will be visible. While now we can beer "The Meistersingers being performed at levent Garden Theore with " relevision we shall see as well so hear, the angers. The toratre will be brought to one s own have

y sibly as well as audibly.

Mr. Jones will be able to sit comfortably in his own parlour an Derby Day and watch his favourite romping tome—last t

No more special trains for the Cup Tle need be run i. The match will be watched by the various supporters to the television apparatus.

#### How It Will Be Done.

Other possible developments spring to the mind. Mrs. Suburbit rivering up her humby at the office would be able to see as well as to liner, and various awayard situations at once suggest themselves! In the near future, someone will have to invent a televisionproof apparatus, or privacy will be unknown!

And how does it work !

Wireless telephony is now so common that most people have at least a general idea as to how it operates, and the best way of explaining "television" may be to compare it with tricultony.

In wireless telephony the singer s or speaker's voice causes a thin disphragm to vibrate. The vibrations of this disphenent cause vibrations. in an electrical resistance connected to it. This again causes an electrical current flowing through the resistance to vary in unison with the sound waves. This current is used to send out waves of electrical parriet varying proportionately in intensity.

At the receiving station the process is more or less reversed. No actual sound passes between the sender and the receiver but waves of electrical energy. The sound is turned into electrical energy at the sending end and back again into sound at the receiving end.

#### Light Instead of Sound,

in televation ' the same principle is employed with light instead of with sound.

By means of a less an image of the scene Irranmitted is obtained. A plate passing in front of this image allows light from every point of the picture to fall in succession upon a light sensitive cell. By this means the intensity of the current flowing through the cells is varied proportionately to the light and chade of each point of the picture. This fluctuating ourrent is transformed into fluctuating electrical waves.

At the receiving station these waves are transformed back again to a fluctuating ourrent, which sopplies a source of illumination which fluctuates proportionately. This light is distributed and east on a serven in such a way as to reproduce the image which is at the sending end.

The whole subject is still in its infancy; but a good start has been made, and it is not too much to proplesy that within ten years "television" will be as far advanced as wireless telephony is to-day.

#### What's in the Air?

Continued from the previous page.)

and if any doubts remained Lord Burnham's semants should have dispelled them.

Bournemouth was the last of the eight stations. which we were under contract to ered. Views differ on the reastation question, but it coms fikely that we shall be efficially invited by the Post Office to put up two or three more. Quite a number of places seem eager to be selected, and a new form of intercivic jealousy has appeared.

Sheffield to out for an official opening for their station, and quite an affeir is being planned for ourly November. That the station has been in operation for some weeks is no deterrent. The function is, I gather, to take place in a large hall where the broadcasting of an addressa or two is to alternate with the reception in the half of special items from other stations, these of course, being also transmitted to the Sheffield

The educational possibilities of wireless have been in view for some time, and recently the first meeting of a committee formed to investigate and recommend on this matter was held. On it are representatives of education authorities, directors of education and elementary and secondary school teachers.

When the music of Pavlova's wonderful new liallets was broadcast not a few people were inspired to go and see that poetry of motion which the orchestra could not reproduce.

"She moved like silence swathed in light, Lake mists at morning clear : A music that enumerized sight Yet did clinits the car.

- -

The speeches at the dinner given in honeau of the Overseas Premiers on October 2nd are fresh in my memory as I write. It was splended to hear the unthusinstic reception of each Premier as he come to speak, and the bursts of apparese which greeted every fresh patriotic sentiment. The Duke of Conneaght gave the first tosst. His Majesty the King " and the microphane faithfully recorded the scraping of chains as the company rose to honour the Sovereign. Lieteners throughout the country must have thrilled to this with the same patriotic enthusiasm as those satually present.

The other day I noticed a room piled high with decuments. Investigating further, I discovered that those were all photographs or sketches submitted for competition in our Britain" holiday contest. I lingered a moment over these really excellent photos, and some I saw-children's pictures especially-wars very eliarming.

Our Chief Engineer is a born humorist-a wag. He cannot help being spontaneous and recoverrible. There is something "wagnish" his expression. So I am incimed to think that to forthcoming broadcast fecture no "How the informative.

I think I have several times invelched against the unfriendly Editor who wrings these notes from my reluctant pen, so I won I say any thing more about him; but I await with unaddress on the "Romance of Journalism," Romance, forsooth!

#### Humorist's Aerial. From a

#### Transmitted by "Short Circuit."

A variable field of force . Europe

An accumulator: M. Masselini. All that he now needs to complete har exenit is the "earth."

The civilian population has determined to resist any further demands of France, which proves once again that the "ohm" is the unif of resistance.

"Wherever one now goes in London one sees hawkers willing million mark notes for threepence. A combination of high frequency and low corrency.

OUR SUPPLEMENTARY PROGRAMME-SOME DAY.

LONDON.

7.0.—MR. JOSEPH BECKETT, Basso-Pro-fundo: (a) "O lovely Night!"; (b) "Similar Song" (with harp and bolls); (c) "Good-INC.

1:30 .- MR GEORGESCARPENTIER : Songs (a) "With a fa la la fala la la "; (b) "The Mocking-Bird"; (c) "It is Enough" (Men-

NA.—MR. H. H. ASQUIFH; Sentemental Banads, (a) "We've Got to Work to Do"; (b) "We're Here To-day and Gone To-morrow"; (c) Some Day You Will Mass Me."

NEW YORK.

7.30.—PAVLOVA: Song. "The Caff of Gold."
7.45.—MR. D. LLOYD GEORGE: Song.
(a) "Land of Hope and Glory" (accompanied by the big drum and trumpet); (b) "Hast then been to Maces?"; (c) "Romance." As an encore he will give a picturesque talk on " Poetry " under the houls of an Sunsein.

(b) Mountain tops; (c) Railway Tunnels.

8.45.—PAPYRUS. Songa, (a) "A fair on the Ocean Wave": (b) "As Good as Zever I Was" (c) "Dear Old Albion's Shores.

0.15. THE KU KLUX KLAN-CHORAL NUMBER: As this is probably unknown to most of our readers, we include the words of the chorus in this number :-

Do you want to swat a man, but feel you lack a plan ! Just get in touch with the Ku Klux Klan.

A simple prepaid cable, And in twinkling of an eye As swift as community Abel He il be bacping in the sky! We're swift select, and certain At ringing down the curtain, At feathers, tar, or cracking pates
To propagate our palesion.

Ku — — Khay

Ku Klax Klan

The U.S.A. can't foot it with the Ku Kline Klap!

pen - GRAND CHORES OF THE U.S.A. ELECTORATE | Dronk to Me Only With Those Eyes."

#### PARIS.

8.0.—M. PCHNCARE Humorona Song: (a)

Give Me the Moon"; (b) "I am Monarch
of all I Survey"; (c) "No More I'll go a

Rome 'mg"; (d) "I Sometimes Think."

#### ROME

8.0.-M. MUSSOLINI: Talk on Engineering Subject: "War Engines and the Use and Abuse of 'Gream,"

## Looking

## Backward! Some Wireless

## Reminiscences.

#### By P. P. ECKERSLEY, Chief Engineer of the B.B.C.

ALL the very best people write reminsgrown into the "sere and yellow," still I can claim, as amateur and professional, to have had about sixteen years' wireless experience of one sort and another.

I thought-wisely, I hope-that you might be interested to hear about one or two of the amusing experiences I have met with at one time and another.

At the age of fourteen (there is no photograph, thank you! I always think the greatness of great men is so dimmed by pictures of them as a pink haby or a velvet-clothed, well-washed boy) I had made up my mind either to be a poet or an engine-driver.

But I arrived back from school to find my brother winding a big one-men former of ebouite with thirty-six silk-covered

wire of a lush green colour.

#### Wireless Allurements.

I know my case is common. Who among mechanically and romain icallyrainded people can resist the allure of green line adk-covered wire and lacquered brass and sparks? If the allure of areen and aboute was not enough in those days there were always aparks-great fat, juicy one rattling between bed-post knobs.

Strange how great a part the bed plays in wireless! Was not the apring pantiress brought to fame as an serial for Paris in the old days? Is it not son a wolcome relief from those rotten progressives? (All right, Programme Staff! Don't you go criticising my foud speakers !?

The spark and the amateur have no - long parted company, but instead how beautiful in the little lamp! There is no doubt about it : as hobby wireless is the most fascinating pastime. It is clean, easily housed (always assuming a fairly docide wife)

and it gives results. So, as a boy I was drawn by these same afforcements that to-day are so diversely worshipped by schoolboy and greybeard, by father, mother, son and daughter alike, till Faraday. Hertz, and Maxwell must turn in their graves at the howlers made !

It would have been amusing for the modern amateur versed in grid leak multiple cascade throw back (P.P.E. No. 6593) to have seen my brother and myself cagerly trying to get signals between transmitter and receiver across a tennis lawn, the spark easily audible 500 yards away and failing to do it!

#### The Wireless Widow,

Those days passed, and the next thrill was given by the crystal which conbled one actually to bear distant signals!

Paris! What a boon Paris was and what competition to receive it on something that no one else had used!

The jargon of those days was "Oh! I got Puris on a clothes-line the other day. True, the clothes had just been bung out to dry— the lose, like the waves, was damped.

What did I use ! A pogegliauotite berni-stolite crystal with 0.732 voits positive. Like

quack electors each and every enthusiastic aniateur had his own wondrous brand of crystal which he wrapped up at night in a jewel case

and took to bed with him.
It was then that "The Wireless Widow" began first to be heard of signals were stronger at night.

#### A Pathetic Story.

I remember my brother telling me a pathetic story of receiving Paris in Egypt on a crystal. Night after night he listened, tapped. calculated again and again, even applying Nazimova's (or in it Nakota's) constant; but not a dot, not a scratch, only the silence of the desert, mysterious, deep, profound, with that queer exotic Eastern flavour that sends the circulation of the novels up by thousends.

Then, of course, he found he was listening at

" Listoning."

" I ain't spake to my missus for months now."
"How's that?"
"Well, I don't want to interrupt."

12 p.m., or whatever it was, siderest time, not Paris mean or European average or Henish standard 1

Then be got it. The valve crept into life ellently in beetie days before Germany thought fit to make war, and the greatest invention of our century was introduced to me personally under the best anapices by my friend and late colleague Major

Prince amid the bustle of the Brooklands Flying School, where potential wireless equipment officers were trained,

The valve changed the whole wireless situation and telephony, among other marvels, became a practical possibility. The are had, before the valve, helped inventors to the achievement of carrying the voice from point to point without the aid of wires, but it was the valve that made the whole process so much more feasible; in

fact, I don't think anyone will challenge my statement that it made radio telephony a practical possibility.

In those days one used mostly the " Round " oft valve; exactly the same principle as we use to-day, but with much more gas present inside the glass container. The gas helped one to get results from one valve that one would be proud to get with two or three moriera tubes. The trouble was to get just the right amount

of gas.

There was a little gasometer provided in the pip" of every valve and by warming the pip vith a match some gas could be released. Happy days!

A distant signal R2, a general left centro watching the demonstration enger to see what the aeroplane was sending. The signal's dying!

A furious search for matches! And

the debate within one's soul whether to get a louder signal and kodes or burn one's fingers, lose one's temper and possibly one s "temporary on probation without rank" to be allowed to wear stripes as honorary corporal commission.

#### Mistakun Identity.

Truly those soft valves were levely affairs, "uncertain coy, and hard to please," but I think even now annteurs would find them wonderfully economical. But don't blame me if you do use them I warned you!

I think I can fairly by chien to have board and been concerned in a good deal of radio telephony work for the Services, and I have had one or

two amosing experiences.

Speech quality then, as now, was o difficulty, and one used to have a boy laboriously sponting something out of the newspaper while one " juggled."

I had a boy, a little terror, and a microphone which I was everloading by 100 per cent,, and which con-sequently packed unless shaken. The boy one day was half a mile away. I was doing diplex and he was reading. He paused and then came "Waff waffer wuff wuffer wuffer," or noises to that effect.

My reply : " Shake the microphone, you silly idiot! Shake it! How many times most I tell you?

the microphone was shaken, and then the voice of stern authority: "This is Colonial—speaking.".,. One had one's in the troubles. Reply: "Swish, swish, swish," as

#### An Aeroplane Comedy.

There was a boostiful case, too, of the optimist in an oeroplane where the receiver had gone so dud that intelligible reception was impossible. He tried to bluff the Important Person on the ground that he was receiving quite nicely. The conversation that a seed as between the Important Person saking the fellow in the air his name, and the man " in the hir" describing flying conditions on the off chance

was extraordinarily funny.
In spite of the fact that I am a juded professonal, there is semething so wonderful in the imbject of wireless that I can read and listen to wireless talk daily and nightly without tiring.

#### Voting Competition.

#### £21 CASH EVERY WEEK FOR LISTENERS

NO ENTRANCE FEE.

PRIZES OF £2, £1, and 10s. WILL BE AWARDED TO "LIS-TENERS" OF EACH BROAD-CASTING STATION.

#### HOW TO WIN.

Write the name of your Broadcasting Station on the Coupon below, and then fill in the six items from the programme for the west ending Saturday, October 27th, which you consider best, placing them in their order of mevit. Add your name and address and post to "Wireless" Competition No. 4, "Radio Times," 12, Southempton Street, Strand, W.C.2. Put the name of your Broadcasting. Station in top left-hand corner of the envelope.

Entries must reach us not later than Tuesday, October 30th.

The order of merit will be determined upon the vator for first place, and the prizes will be awarded in the Competitors who place, on one Coupon, the greatest mamber of items in their correct positions as decided by the voting.

#### RULES.

- Competence may send in as many attempts at they wish, but a separate Coupon most be med for each one
- 2.—The Editor reserves the right to disqualify any Competitor for reasons which he considers good and rufficient, and the Editor's decision with regard to all questions relating to the Competition will be absolutely finel and legally bending. Competition can only enter on this distinct unders anditre
- 3 The Enter will not be respond to for any Corpus lost delayed or and aid. Proof of posting will not be accepted as proof of delivery or recept
- 4.—Letters must not be enclosed with Compoun-and no correspondence can be extered into in-connection with this Compension.

The result of this Competition will appear in The Radio Times.

COUPON.
Station
I consider the most popular as items broadcast from the above station during the work ending Saturday, October 27th, as follows:
1
2
3
4
5
6
I agent to childr by the Either's division to past on I binding.
N-me
Address

## "Balancing" a Wireless Orchestra.

#### How the Instruments are arranged for Wireless. By L. STANTON JEFFERIES (Musical Director of the B.B.C.)

IT was not until I had to balance a string I quartette over the works that I found that the task was much more difficult than I benigani.

It may be of interest if I give an outline of the methods on widelt we work to obtain a good balance, whether it be an artists singing,

or an orelessors playing.
We fail sometimes, I know, and we receify at the earnest possible moment, but I think you will agree that these accidents occur seldom. The terms that I employ may amuse a reclared man like Mr. Febersicy, but will be more easily understood by the layman.

Some voices broadcast well, others are apt to "blast." The effect of blasting is that a buzzing sound is beard in the 'phones or loud speaker.

Imagine a glass completely filled with water two more drops of water added, and the water accordings. The transmitting set is the glass. the water represents the sound about to be Blanting is not necessarily the result of quantity of sound, but is often owing to the quality of titubre of the voice or instru-

The type of voice that is best for isondensting can be dound only by experience. It is only by constant co-operation between our technical people that one can obtain the best results, and it is mainly due to a series of experiments corred out together in the very early days of broadcasting that we have arrived at the more or less cut-and dried plan on which we now work.

#### Singer and Pianut.

At one time it was difficult to balance even a vence and piano so that the voice or the piano was not preduminant. With our present microphones and attenuement of arriste and histon. both can be beand without detriment to the other. Nowadays, the singer is standing near the pinne, as in a concert hall, with the microphone at the other end of the room.

When arranging an orchestra in the studio, the instruments having specially piercing qualities, such as the trumpet, irombones, Sules, piecoles and oboce, are placed well to the rear a these having low vibrations—such as drans, double base, bassund—are nearer to the microphone.

Owing to the striment tone of the obosas compared to the clarinet, the latter is given priority of place. The French horns, being of a more incline character than the trombone, gen mearer.

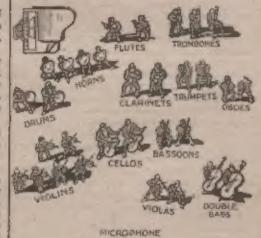
The actual position of a player before the microphone often depends upon the tonequelity that he produces. One does not realize until experiments have been carried out the difference of Intensity between, say, one oboe player and another, and we often find it necessary, when we have a newcomer to the orchestrs, to move its position accordingly. This is done during the progress of trans-ERSHIJOR.

#### Perfaction by Experiment.

When a singer performs with oreheaten the artiste is generally placed on a level with the 'cello. This position, of course, depends upon the type of song that is being sung, and the intensity of the artiste's voice. Here again on only got perfection by experiment.

If a piano concerto is being played, thus

things have to be recognized. The plans is brought more to the fore and instruments and grouped accompany.



THE ARRANGEMENT OF THE ORCHESTRA, --

#### Manchester's Sixth Symphony Concert.

Ox Wednesday, Octuber 24th, Manchester is becadeasting a Symphony Cancert which will be received by Landon, At 7.30 the augmented 2ZY Orchestra, conducted by Dan Godfrey, jone, A.R.A.M., will play Grieg's averture. Autumn. This is the only overture that Grice over wrote. It is quite an early work, heins marked "Open II."

At 7.45 Elear " Fra ms Variations" will he played. Finished in 1899, the only riue to the securing of their variations lies in the words Dedicated to my friends pictured within." The enigms is two-fold. There is no themeonly an integrinary melody which never occurs. The variations themselves complete the engma. Each one hears the initials or some distinguishing mark of one of Klyar's friends, whose personality is coproduced in musical terms.

At 8.10 will be given Beetboyen's "Come etfor Piano and Orchestra, No. 1, in C Major Solo Piano, Mr. Edward Isaacs).

At 8.40 Rimsky-Korsakov's beautiful Ballet Symphonique, "Scheherozade." Mr. T. H. Marrison, who is responsible for the important violin zoil in this work, was the original soloist when the ballet was first produced at Carent Carden

All the foregoing will be broadcast for the first time.

#### NEWCASTLE TO FINLAND.

The wireless operator of a.s. Harcarie, writing a short time ago, reports that the programme broadcast by the Newcaste Station of the British Broadcasting Company was received while the ship was lying in her berth in the harbour, Fredrikshama, Finland, Clasgow and London could be heard also, but not so plainly as Nowrasile. I may add that this reception is not frenk work, as I can get Necessary painty any night."

The distance in direct line from Newcastle to Fredrikshamn is 967 miles.

#### Broadcasting Symphonies.

#### A Talk by PERCY A. SCHOLES.

THE biggest musical events of the past week are two connected with broadcasting.

The first is the issue of the Postmaster-Ceneral's Report, and the second the broadcasting, from all six stations simultaneously, of a fine Symphony Cencert Programme.

Both these events are of tremendous importance. I gather that in one way or another the general effect of the new official regulations will be still further to popularize broadcasting. And I do not believe that any of us as yet realize what the popularization of broaden time means

The Introduction of Broadcasting. invention of penting. Less than 500 years ago the Classics, the Holy Scriptures, the Legends. and the Postry of Europe existed only in manusoriot, and could be studied only by the tiny class of literate men. There were no novels and no newspapers. Ideas were preached from the pulpits, and news passed from mouth to mouth.

Then came the invention of printing. A great extension of education naturally followed, and nowadays the whole of the world's literature is open to snyone who cares to read it.

To a large extent the gramophone has, perhaps, already done for music what the invention of printing did for literature. But broadcasting will do even more, for it makes fine musical performance coast to come byund dirt cheap.

Reining Public Taste.

There must be some who live on the outskirts of London, and who find the labour and expense of getting into the concert halls too great to he often undertaken. There must be others who live in small provincial towns, where a full orchestra is nover heard, very rarely a string quartet or a fine singer, and decidedly never as opera performance. And there must be still others living to remote country places where absolutely no muon whatever is to be beard. I congratulate all these people upon the enormous extension of their pleasures that has already brought been about by the British Broadcasting Company.

Up to the present, the great masse of the world has been the private preserve of a little band of people who happened to live in the places where it could be heard, and who happened to have enough money to pay to hear it. Henreforth, it belongs to everybody. This means so immense widesing of public interest in music, and, I believe, a great raising of public taste.

A Word to the "Highbrows." I sometimes hear "highbrow" musicians complain of the programmes of the Company. Well, I claim to be sa hig a highbrow as anyone and I don't complain. I think it is remarkable that in the week a programmes there should be speluded so much music of the highest class. and I am convinced that as the demand grows for more and more of this fine music the Company will meet it.

Of course, there will always be a need for plenty of good, light music, and that need, too, must be met. But we do want the masterpiere.

and I believe we are going to get them.

And the reasons I think these concerts so important is that I feel that they will influence history. In five years' time, in my judgment, the general musical public of these islands will be troble or quadruple its present size. And the next generation, instead of regarding a symphony as a mysterious contrivance of concentrated boredom, will accept the great symphonies of the world as a part of its regular, natural daily and weekly pleasures.

## Insects and the World's Cotton.

#### A Talk Broadcast from London by Professor H. M. Lefroy, F.Z.S.

THIS is a talk shout insects really, and I especially about the way insects are going to decide for us, one of our most important questions what we are all to wear. Most of the people of the world wear cotton some, particularly in cold climates, wear woul, a few wear silk, a lat wear artificial silk and very few wear linen—which is flux. But by far the cheapest, simplest and most generally used fibre has been ootton.

Cotton is produced as a frigzy conting to the seed of the cotton plant. Nature made the ottop plant to produce seeds in a fruit called "the boll." So that when the seeds were rips each seed had round it a white cioud of files, which we call "cotton woel," whereby the wind could carry the seed away from the plant to fresh soil. But man grows cotton to we the fibre, which he remeves from the seed and spins, making therefrom a continuous thread which he can weave into cloth. So from the cotton wool round the seed of the cotton plant comes the cotton of man's upr. and the clothes that the majority of people on this earth wear.

Now, we are all taught that blan is the dominant creation of this earth; and we all know how important to us all are our clothes. But here come insects, which to some people



THE COTTON BOLL WEEVIL. little insect that is causing so much damage to the cutton industry.

are insignificant, but which are far more highly developed than man, and these insects, quite incidentally and without intent to hart manmerely in pursuit of their own aims and success. are going seriously to affect man in what he

Most people wear cotton; the production in the world of ention is round about 20 million bales, each of 400 pounds. Of this, America produces 11 millions, India about five, China about two, Egypt one and the rest of the world one.

#### A Drendful Post,

Now of this cotton, not all can be need for fine spinning. Some cottons have a fibre so short that it will not make fine thread. All cottons really separate into two groups: the cottons over an inch long, which they use in America and Lancashire for making fine cloth, and the shorter cottons less than an inch long, which are spun and woven abroad into course cloths or are mixed with other fibres. Mostly, the world wants and uses long cotton, and nearly all this comes from America. America is the largest cotton producing country in the world, and cotton is the main crop over the whole of the Southern States such as Texas, Louisiana, Carolina, Georgia, Alabama, This cotton is all long cotton, and the Lancashire milis depend almost entirely on its production for their manufactured goods. But it is now a question how much cotton is going to let grown in America at all. An insect called the ball weevil is the factor in that question. It destroys so much of the crop that it is become ing hardly worth while to grow cotton at all.

The boll weevil is a small frown insect, about

the size of a dried pen, which came into Mexico from South America, then spread into the United States, and is now established all over

the cotton-growing areas.

This little weavil flies and walks among the cotton plants. The female with her long beak eats a hole into the green fruit or " boil of the cotton plant and then lays an egg in the hole. This egg batches into a soft white grub, which pals its way further into the boll, so that it can feed on the developing seeds.

#### Another Little Terror.

The grab destroys the seeds and also the developing cotton. When the boll opens, instead of there being a large, fluffy mass of cotton, there is only a mass of black and eaten seeds nothing that can be picked and used. So the notion grower has to plough his land, sohis seed, keep the land weeded, look after the crop, pay his rates, tithes, taxes, labourers, otc., to find, when his crop is picked, that the boll weev'll has taken off a large proportion of it. This proportion has now become so big that the farmers in America will not grow cotton. The boll weevil literally takes up to one third of the crop, while the grower still has all the expenses of growing the full crops. The production of cotton in America this year is about 12 million baies, but it has become a serious consideration whether the American moves will continue under these circumstances.

Besides America, cotton is also grown in China, Egypt, India, Russia and other countries, to a total of some seven to eight million bakes. Can they increase that amount an additional 12 million hales to make up for America? They cannot. For in practically all parts of the world is another insert as voracious as the boll weavil of America. This is known as the pink boll worm; it is a caterpallar hatching from an ege laid by a moth on the bolt. The caterpillar, like the boll weevs, also eats the seed of the boll, destroys the fibre and preventthe cotton being formed.

Here we have two small, trifling, indireffeant insects holding up one of the world's greatest industries, and destroying something like one third of the world's crop of cotton—i.e., cubt to ten million bales. You will ask why does not humanity deal with the imports? The reasons why insects are not controlled is that the development of insects is better organized than that of man-more successful because Nature runs them and does not run man.

#### Armenio No Solution.

In America they have found one way of potabning the boll weevil with arsenic. It requires 30lbs, of this to poison one acre of cotton plants : it costs from forty to lifty shillings an acre to do this; but there are 30,060,000 acres of cotton in America, so that 1.080,000,000ths, (over 500,000 tons) of arsenic preparation would be required. But it only pays at present to apply this method on one-fifth of the acres as there is not enough amenic produced in the world to comble them to buy it cheap enough to apply all over. So that this is no colution of the problem. The next ten years will show whether man will control the insect, or whether the insect will devour our cotton and send us to seek substitutes. I think the insect will

#### PEOPLE IN THE GOSSIP ABOUT PROGRAMMES-GOSSIP ABOUT

Smart Lads I



MIPHS. ETAIR BOWSENS.

M DOWNING IS RISIE very popular at Newcastle Station, where her readering of grand opera is a great treat to listen to. Mdme. Downing began her vocalist with the New castle Operatio Society. and she has appeared in many leading roles in various well-known operas. besides winging on the concert platform.

She relates an anusing remark she once heard at a concert in Lancashire at which she was singing. When she made her appearance, the conductor of the orchestra, as is usual on such occasions, led her to the front of the platform.

amidst a storm of applicase.
Two Lancashire lads in the audience caused a great deal of laughter by shouting out in tones of awed surprise: "By gum! she must be blind! Look, 'e's leading 'er on!"

Was She Hervous?

MB. HUGH SPENCER, who is noted for the clarity of his diction when broadcasting, says that he "doesn't remember the time when he didn't sing." Even as a boy he was in great demand, and at a very early age he appeared as "Captain Corcoran" in " H.M.S. Pinafore.

Mr. Spencer is a good raconteur, and he doe not mind in the least telling a story against

Once, when he was singing at a big concert in the Mislands, a famous contralto, who had a very good opinion of herself, asked him if he

No." replied Mr. Spencer, thinking, no doubt that the celebrity would admin for his self-command.

Ob. the said, turning uside with a shrug-" all true artistes are nervent!"

What He Wished to Know.



Mo. RARRY HOPEWALL

MR. BARRY HOPE IVI WELL who broad Station, has a particularly fine baritone voice, and is heard to especial advantage in operatio numbers.

In the early days of his enreer, Mr. Hopewell used to devote a good deal of his spare time to helping to run a big club for boys in a working-class district.

Concerning this club. he tells an amming asee

One night an inquisitive small buy saled him what he did for a nying.
Oh," replied Mr. Hopewell, I sing.

Of course, we know you ro a hit of a singer, a swered the boy, 'but don't you do any work?"

A PROPOS the difference of appearing before visible and investig and investig and investigations. Mr. Norman Long, the extertainer, relates a ctory. An old actor, very much " on the rocks," applied for a part in a cinematograph play.

"Have you had any experience of acting without an audience?" asked the manager.

Laddie," replied the old actor, mournfully, it's because I've acted so often without an authence that I've been brought to my present egrettable position."

From Working Boy to Conductor.

MR TOM CASE, the popular singer Mewcastle Starton, has had a very streamons career. My father being but a working main so he have a maily, he ways that to leave school at the age of the rece and take my abare in providing for the bone. Abborob he had to work very bard as a bay, Mr. Case deveted what little stone time be bad to studying music and to perfecting his education menerally.

Eventually, the domands of music became so persistent that Mr. Case decided to devote his life to it, and at the present time he has risen to be conductor of the Central Hall Choic. Manchester. Besides his work in this con-nection, be has gained great popularity as a concert artists, being especially well known in Lancashire, Vorkshire, Cheshire, and Staffordshire. He is also a plantat of no moun ability.

Mr. Case is extremed in the North as a music

teacher, many of his pupils having gained dis-Loution through his tuition.

A Witty Peer,



LOSS CYLINS.

A MONG the important features of next week will be a speech by Lord Curzon of Kedleston on Abraham Lincoln, broadcast from the Savoy Hotel. He is a man of amazingly varied interests. and wireless is among them.

To his intinuite friends. Lord Curzon is noted for his wit. In his early days, us plain Mr. Curzon, he was travelling in Korea, when the Minister for

Foreign Affairs of that not over-civilized country was mightily impressed with him.

Of course you are related to the Queen of Engineed?" asked the Minister, in a matter-of-Inch tone.

"No, replied Lard Current but seeing the look of disappointment on the old gentleman's face, he hastened to add, survely : "but I am as you an enmarried man !

The Manister's confidence was at once research

#### His Reason.

L ORD CURZON is exlobrated for his commanding personality, and the story goes that he was once discussing the Maddle Ages with a former British Prime Minister.
I suppose," said Lord Curzon, "that you

would have liked to have lived to those far-off rolden days ?

No. I shouldn't," was the roply,

Why not I''
Recause," said the Prime Minister, "if I had been born in the Middle Ages, I should not have been your leader-I should have been your serf?

#### The Answer.

SONGS song by Mr. Glanville Davies are always popular at Cardiff.

I would rather be able to sing well than be Prime Measter of England," Mr. Davies has been known to sat, and les friends do not doubt his satistically.

Apart from his cifts as a vocalist, Mr. Davies

The immigrant landing in England for the first time, made ready to fill up the usual form. The first question, with a blank space against it was "Boon to

"A long pause for reflection over this knothy point; then be wrote simply 'Yes."

The Ship Bowed Too.



MISS TINA MACINITIES.

MISSTINA MAC. INTYRE, who he dilbert and Sullivan operas, and she has also made a great anccess in the title role in Veral's Her concert " Aida." work in the provinces is well known, and she is popular, too, iu Canada, having sung at Teronto

and other leading cities. Apropos her visit to Canada, Miss Macintyre recalls a funny, albeit an embarracous, experience. An impromptu consert was given on board ship, and Miss Macintyre rang. When bowing her thanks for a very en-

thusiastic reception for the enug abe had been singing, the slip most unfortunately "bowed" also, and sent her careering almost to the other end of the saloon, much to her surprise and to the amusement of her audience-

#### General Smutz.

ON Tuesday you will notice that London J. C. Smutz, Has speech after a banquet of the S.A. Laucheon Club at the Savoy Hotel is expected to be very interesting. General Smule was created a Companion of Honour in 1917 towards the end of the war. He is, of course, Primo Minister of the Union of South Africa.

Fingers Instead of Eyes.

PO-NIGHT'S lecture on "Burma" will be a testimony to modern science, for you are mone to hear a man you can't see who will be reading his manuscript with fingers instead of even. The Rev. Futher Jackson is blind, and will read from a Braille copy.

Har Opinion.



MR. ALEX MOLITOR.

MELISON, She well-known baritone, who broadcusts from Chagow, has a fund of good stories that he is fond of telling.

On one occasion he was appointed leading baritone of a local parish church choir, and on his tree Sunday there was a very heavy programme. Mr. Molfison had two solos to sing, and after the service he was natur-

ally serious to learn how he had pleased. On country out of the church, he heard a conregarion between the innester and an old lady who had been among the audience.
"What did you think of our new singer!"

asked the minister.
"Oh, splendid!" replied the old lady. In fact, I think a much inferior man would do us, if we just knew where to find one ! "

Slightly Mixed.

BRIDE'S mother once asked me to sing A her dear daughter's favourite song, All Joy be Thine, " says Mr. Mellison. "This was to be after the wedning breakfast, and the rector, who was acting as charman, was advised of the fact. He, being somewhat deaf, did not quite catch the name of the song, so you may imagine how the bride looked when he slowly said: "We shall now have a song, All Bous to Thine, by request of the dear bride's mother."

## WIRELESS PROGRAMME—SUNDAY (Oct. 21st.)

The letters "S.B." printed in italics in these Programmes signify a Simultaneous Broadcast from the station mentioned.

#### LONDON.

3.0. EDWIN LEMARE RECITAL by the REPRODUCTION ORGAN BE STEINWAY HALL, LONDON, S.B. from all Stations. THE ORGAN: Prelude and Fogus in G troujor, No. 2 (C. Saint-Saint). Singleted ldyll (Wagner, are, Lemare). Grand Fantasy for Organ in F minor (Mozort, orr. Lenstre). CATHERINE AULSEBROOK. Contrabo; MISS ADELA HAMATON, Solo Pianoforte; MR. WILLIAM ANDER-SON, Boas (British National Opers Company), "Droop Not. Young Lover" (Handel), "O Roddier than the Cherry" (Handel). THE ORGAN: ORIGINAL COMPOSITIONS BY LEMARE, as played by the Composer. MISS CATRERINE AULSEBROOK, Controlto; MISS ADELA HAMATON, Solo Pianoforte i MR WILLIAM ANDERSON, Bass: "Myself When Young" (Liza Lehman), Haifield Bells" (Easthope Murisn). THE ORGAN 5.0. CLOSE DOWN.

ANNOUNCER: K A WRIGHT.

#### SUNDAY EVENING.

8.30. TRAFALGAR DAY PROGRAMME LONDON WIRELESS ORCHESTRA, Conducted by MR. L. STANTON JEFFRIES Grand March, "Spirit of Pageontry" (Fletcher); Overture, "Britannis" (Muchenze); Folk Tune and Fiddle Dance (Fletcher), MR. WILLIAM MICHAEL, Baritone, of the British National Opera Company; "It is Enough" ("Ebjah") (Mendelscohn).

".0.—THE REV. WILLIAM F.O. T. HAWKES, Rector of Lambeth: Hymn, "Eternal Father, Strong to Save"; "Songs of the Sea." (C. V. Stanford), for Baritone Solo, Chorus and Orchestra. Solo Baritone, MR. WILLIAM MICHAEL (Selected Chorus from British National Opers Company, Covent Garden Chorus). ORCHESTRA: Ballet Music, "La Source" (Delibes).

10.0.—TIME SIGNAL, GENERAL NEWS BULLETIN BROADCAST TO ALL STATIONS, followed by London News and Weather Report.

10.10.—ORCHESTRA. 10.36.—CLOSE DOWN. ANNOUNCER: A. R. BURROWS.

#### DIRMINGHAM.

3 6 6.0.—TRANSMISSION FROM LONDON OF AN ORGAN RECITAL FROM THE STEINWAY HALL. (SEE LONDON PROGRAMME.)

a 30.—STATION ORCHESTRA. REV C. D. BARRIBALL, of the United Methodist Charles, Gravelly Hill, Birmingham. ADDRESS. Hymn, "Eternal Father, Strong to Save" (Annient and Modern, 540), STATION ORCHESTRA: Symphony, "Sorprise" (Hayda).

10.20. LIEUTENANT ARTHUR E. SPRY. R.N.V.R., Organising Scenetary, British and Foreign Sallors Society; TALK ON LORD NELSON AND THE BATTLE OF TRAFAL. GAR.

9 15 - STATION ORCHESTRA.

ID.R.—GENERAL NEWS BULLETIN BROADCAST FROM LONDON, followed by Midland News, giving Local Weather Report.

10.15.—CLOSE DOWN. ANNOUNCER P. EDGAR.

#### BOURNEMOUTH.

J.O.—AFTERNOON CONCERT: SIMUL-TANEOUS TRANSMISSION FROM LON-DON OF ORGAN RECITAL IN THE STEINWAY HALL (SEE LONDON PROGRAMME)

8.30. THE BOUNNEMOUTH WIRELESS MILITARY HAND (Conductor, CAPTAIN W. S. FEATHERSTONE, M.V.O.): Overture, Poet and Possant" (Suppe).

8.40. RELIGIOUS ADDRESS.

8.55.—MISS LULU BRADSHAW, Contralto: Eternal Father."

8.0. MILITARY BAND: "Remaissences of Telephoresky,"

0.18. MISS LULU BRADSHAW, Controlto:
(5) "Ombre Min Fo" (Handel) (b) "Cara
Mio ben" (Gudena).

0.26. MILITARY BAND: Morceau, "Humorcake" (Dioral); Excepts from "The Egyptian Ballet" (Luigori).

9.40. MISS LULU BRADSHAW, Contratto,

9.45. MILITARY BAND.

10.0.—GENERAL NEWS BULLETIN BROADCAST FROM LONDON, followed by Bournemouth News and Weather Forecast.

10.15. -CLOSE DOWN. ANNOUNCER: BERTRAM FRYER.

#### DANDIFF.

3.0.—TRANSMISSION FROM LONDON OF AN ORGAN RECITAL FROM THE STEIN-WAY HALL, (SEE LONDON PRO-GRAMME.)

8.10.—CHOIR OF ST ANDREW'S CHURCH, CARDIFF: Hymn "Electual Father" (B. Dykes); Anthem, "Givo Peace in Our Time" (Allcolt). ADDRESS by REV. A. J. EDWARDS, M.A. (Vicar and Surrogate of St. Andrew's Church, Cardiff). Hymn, "The Day Thou Gavest." (Schaffeld).
8.35. SYMPHONY NIGHT.—SCHUBERT.

MENDELSSOHN PROGRAMME. Vocalist
MISS CICELY FARRAR. Conductor MR.
A. CORBETT SMITH. INTRODUCTORY
CHAT. Overture, "A Midsummer Night to
Dream" (Mendelssohn), Songs, (a) "Zuleka
(Mendelssohn), Mouro Not (Mendels-

WAVE-LENGTHS AND CALL SIGNS.

LONDON (2LO) - 369 Metres
ABERDEEN (2BD) - 360 ,,
BIRMINGHAM (5IT) - 360 ,,
BOURNEMOUTH (6BM) 410 ,,
CARDIFF (5WA) - 353 ,,
GLASGOW (5SC) - 415 ,,
MANCHESTER (2ZY) - 385 ,,
NEWCASTLE (5NO) - 400 ,,

s had INCIDENTAL MUSIC to "A Matsummer Night's Dream" (Memoritation):
(a) Intermezzo appressionato: (b) Nocrone:
(c) Scherzo, SCHUBERT SONUS; (a) "ToLinden Tree": (b) "Crube Song : (c)
"Flight of Time"; (d) My Resting Place.

SYMPRONY No. 8 IN B MINOR (Culinishort)
(Scherr): (a) Allegro moderato; (b) Andanta con moto: ARIAS: "But the Lord
is Mindful of His Own" ("St. Paul") (Memdid sha): "O Rest in the Lord" ("Elijah")
(Mendel roka). OVERTURE: Ruy Blas"
(Mindels sha):

16.6. NEWS BULLETIN BROADCAST FROM LONDON, followed by South Wales News giving Local Weather Forecast.

10.13.—CLOSE DOWN

ANNOUNCER: A. CORBETT-SMITH.

#### MANCHESTER.

3.0 5.0. TRANSMISSION FROM LONDON OF AN ORGAN RECITAL FROM THE STEINWAY HALL, LONDON. (SEE LONDON PROGRAMME.)

8.30. "TRAFALGAR DAY," THE AUG-MENTED 2ZY ORCHESTRA, conducted by PERCY PITT (Director of the British Kational Opera Company): Overlare, "The Magne Flute" (Magnet); "Siegfried Idyll" (Wagner), Songa, HUGH SPENCER, Barrtone.

0.0.—ADDRESS by the REV. R. G. PARSONS, of Birch. Hymn, "Eternal Father, Strong to Same."

9.15. -SYMPHONY IN H MINOR (Unfinished) (Schubert); "Rhapsody Espana" (Chabrier), Bungs, HUCH SPENCER, Bari-

10.0.—OVERTURE "The Masterslagors of Naremburg" (Wagner).

10.13.—CLOSE DOWN.

ANNOUNCER VICTOR SMYTHE

#### NEWCASTLE.

10. 10. TRANSMISSION FROM LONDON OF AN ORGAN RECITAL FROM THE STEINWAY HALL LONDON. (SEE LONDON PROGRAMME)

8.30. -MR. HERBERT JENNINGS Yeso Solo.

8.40 MADAME MAY GRANT, Contralto : Hymn, Sun of My Sout,

8 15 TALK REV. DAVID FYFFE (Now-costle).

18.0. MADAME MAY GRANT, Contrated:
Hymn, "Eternal Father." MR. HAROLD
JENNINGS TRIO, MR. HUGH JENNINGS, Violin Solo: Allegra Brilliante
(Willian Line Have). MR. HERBERT JENNINGS, "Cello Solo: "Solily Awakes My
Heart." (Saint-Sacrat. MADAME MAY
QRANT, Contratto, MR. HAROLD JENNINGS TRIO, MR. HERBERT JENNINGS, "Cello Solo."

10.0. GENERALNEWSBULLETIN BROAM-CAST FROM LONDON, followed by Newcoals News giving Local Weather Report.

10.15.-CLOSE DOWN.

ANNOUNCER: E. L. GDHAMS.

## Has it happened to you?

Have you ever had the mortifying experience, when you have bidden friends to listen in, of getting poor reception for no apparent reason?

Have you known what it is to suffer the polite commiseration of your guests, and the heavy-handed sarcasm of your own flesh-and-blood?

Then get a Receiving set on whose performance you can rely. Get the Marconiphone, the wonderful instrument in which, because it must be worthy of the great name it bears, are summed up all the vast resources, the brilliant inventiveness, of the Marconi Company.

# Warrant of the Triumph of the Triumph of the Master Mind



Ask your dealer for full particulars of the various Marconiphone models. In case of difficulty apply to :--

## MARCONI'S WIRELESS TELEGRAPH Co., Ltd. Marconiphone Dept., Marconi House, Strand, W.C.2

2, Ludgate Hill, BIRMINGHAM, Principality Buildings, Queen Street, CARDIFF; 41, St. Vincent Place, GLASGOW; 70, Cumberland Street, Deansgate, MANCHESTER; 58, Northumberland Street, NEWCASTLE-ON-TYNE.

## WIRELESS PROGRAMME—MONDAY (Oct. 22nd.)

#### LUNDON:

11.30 - 12.30. - MORNING CONCERT | MISS MAUD BELL, Solo Cella.

5.0. WOMEN'S HOUR. Arisl's Society Consip. MRS. C. S. PEELS Kitchen Con-

5.30. CHILDREN'S STORIES: "Subn and the Spiders," by E. W. Lewis. "Jack Hardy," Chapter VI., Part II. by Herbert Strateg.

6 15 TO INTERVAL

7.6. TIME SIGNAL, FIRST GENERAL NEWS BULLETIN BROADCAST TO ALL STATIONS.

7.10.-OUR WEEKLY BOOK TALK by MR. JOHN STRACHEY, the B.B.C. Literary Critic. Broadcast to all stations. London News and Weather Report.

7.20 WAGNER EVENING (DROADCAST SIMULTANEOUSLY)

THE AUGMENTED LONDON WIRELESS ORCHESTRA, MR. AYLMER BUEST, Conductor to British National Opera Company, MR. ROBERT PARKER, Habe: MISS MAY BEYTH, Soprano; MR. JOHN PERRY, Tenur, of the British National Opera Company.

ORCHESTRA: Overture, "Rieger" (Wagner). MR. JOHN PERRY : " Lohengrin's Narration " (Wagner), ORCHESTRA: Sieg feed's Journey to the Bhine (" The Twinght of the Gods") (Wagner). MISS MAY BLYTH: Sonta's Ballad from "The Flying Dutchman " (Wogner). ORCHESTRA : Over-"The Flying Dutchman" (Hugner). MR ROBERT PARKER | Wotan's Farewell and the Fire Music ("The Valkyrie") (Wagner), ORCHESTRA: Prolode to Act III., "Lobengrin" (B'agner), MISS MAY BLYTH Elizabeth's Greeting, from "Taunhauser" (Wagner). ORCHESTRA "The Ride of the Valkyries" ("The Valleyrion (Wagner).

9.10, "BUTTERFLIES AND MOTHS," by CAPTAIN N. D. RILEY, of the Natural History Museum.

9.30 TIME SIGNAL. SECOND GENERAL NEWS BULLETIN BROADCAST TO ALL STATIONS, followed by London News and Weather Report.

MISS MAY BLYTH and MR. JOHN PERRY: Dust between Elizabeth and Tamhauser ("Tamhamer") (B'agner). ORCHESTRA: "Forest Murmurs" (Siegfried") (Wagner), MR. JOHN PERRY: Forging Songs from "Siegfried" (Wagner). ORCHESTRA: Overture, "Taumbauser (Wagner).

10.30. - CLOSE DOWN.

ANNOUNCER | K. A. WRIGHT

#### BIRMINGHAM.

2.36-4.30 MR. JOSEPH LEWIS, Musical Director of the Birmingham Brundessting Station, will give a PLAYER-PIANO

3.36 - LADIES' CORNER, (6) Ariel's Society Gossip, (b) MRS. C. S. PEEL'S Domestic Convenient ton.

E.O. - KIDDIES' CORNER. (a) " Sabe and the Spidera," by E. W. Lewis. (b) "Jack Hardy," Chapter VI., Part L. by Herhert Strang.

6.45.—BOYS LIFE BRIGADE AND BOYS DRIGADE NOTES.

7.0 - IPST GENERAL NEWS BULLETIN BROADCAST FROM LONDON.

2.10. WEEKLY LITERARY CRITICISM by MR. JOHN STRACHEY, B.B.C. Literary Critic, S.B. from London.

7.25. BIRMINGHAM NEWS and WEATHER FORECAST.

7.30. TRANSMISSION FROM LONDON OF A "WAGNER EVENING." S.B. from London. (SEE LONDON PROGRAMME.)

9.30. SECOND GENERAL NEWS BULLE-TIN BROADCAST FROM LONDON.

9.45.—CONTINUATION OF THE "WAGNER EVENING FROM LONDON. S.B. London. (SEE LONDON PROGRAMME)

10.30.- CLOSE DOWN. ANNOUNCER: JOSEPH LEWIS.

#### BOURNEMOUTH.

3.45. AFTERNOON CONCERT: REPRO-DUCING PIANO. Vocalust MMF. NADIA POLTAVA, Soprano.

4.46. WOMEN'S TRANSMISSION (a) Ariel's Society Cossip. (b) MRS. C. S. PERL'S

5.15.—CHILDREN'S TRANSMISSION. (a)
"Sabo and the Spaders," by E. W. Lewis. (b) " Jack Rardy," Chapter VI., Part L, by Berhert Strang

0.0 BOYS BRIGADE AND BOYS LIFE BRIGADE BULLETINS

E 15 -SCHOLARS' HALF HOUR

7.0.-FIRST GENERAL NEWS BULLETIN FROM LONDON.

7.10.—WEEKLY LITERARY CRITICISM by MR. JOHN STRACHEY, B.B.C. Literary Critic. S.B. from London.

7.25.—BOURNEMOUTH NEWS WEATHER REPORT

7.30.—TRANSMISSION FROM LONDON OF A "WAGNER EVENING." S.B. from Losdon. (SEE LONDON PROGRAMME.)

9.20. SECOND GENERAL NEWS BUL-LETIN BROADCAST FROM LONDON

9.45. Continuation of WAGNER EVENING S.R. from London. (SEE LONDON PRO-GRAMME)

10.30.-CLOSE DOWN. ANNOUNCER BERTRAM FRYER.

#### DARDIFF.

3.30-4.20.-FALKMAN AND HIS ORCHES-TRA at the Capital Cinema.

DO .- WOMEN'S HOUR: (a) Arrel's Society Gossip : (b) MRS. C. S. PEEL SConversation.

5.30. WEATHER FORECAST, CHILDREN'S STORIES: (a) Sabo and the Spiders, by E. W. Lewis; (b), Jack Hardy Clunt VI. Pt. I., by Herbert Strang.

7.0.—FIRST GENERAL NEWS BULLETIN EROADCAST FROM LONDON.

7.10.-WEEKLY LITERARY CRITICISM. by MR. JOHN STRACHEY (B.S.C. Literary Critic). S.B. from London.

7.25 CARDIFF NEWS AND WEATHER FORECAST.

7.30. TRANSMISSION FROM LONDON OF A WAGNER EVENING. (SEE LONDON PROGRAMME.)

9.30.—SECOND GENERAL NEWS BULLE-TIN BROADCAST FROM LONDON.

9.45.—CONTINUATION OF WAGNER EVENING, S.B. from London, (SEE LONDON PROGRAMME.)

10.30 -CLOSE DOWN. ANNOUNCER: L. B. PAGE

#### MANCHESTER.

3.30 4.30 - AFTERNOON CONCERT by the 2ZY "TRIO and DORIS KLOET, Soprano.

5.0. MAINLY FEMININE: (a) Ariel's Seciety Gossip; (b) MRS. C. S. PEEL'S Conversation.

5.25 FARMERS WEATHER REPORT.

NOW -CHILDREN'S HOUR Sabo and the Spider, by E. W. Lewis; (b) Jack Hardy. Chap. VI., Pt. 1. by Herbert Strang.

6.30. BOYS' BRIGADE AND BOYS LIFE BRIGADE BULLETINS.

6.45. SPANISH TALK, by MR. W. F. BLETCHER, Examiner in Spanish to the Union of Langeshire and Cheshire Institutes.

1.0.—FIRST GENERAL NEWS BULLETIN FROM LONDON.

7.10. WEEKLY LITERARY CRITICISM. by MR. JOHN STRACHEY (B.B.C Literary Cotic). S.B. from London. MANCHESTER NEWS AND WEATHER FORECAST.

7.30.—TRANSMISSION FROM LONDON OF A WAONER EVENING. S.B. from London. (SEE LONDON PROGRAMME.)

9.30 SECOND GENERAL NEWS BULLE TIN FROM LONDON.

9.45. CONTINUATION OF WAGNER CON-CEBT FROM LONDON S. B. from London (SEE LONDON PROGRAMME)

10 30 - MEN'S CLUB. CLOSE DOWN. ANNOUNCER | VICTOR SMYTHE

#### NEWCASTLE.

3.45 MISS FLORENCE PARRAR, Plant forte Solo, " Supata " (Herthoven). MR. W. A. CROSSE, Clarinet Solo. MISS FLORENCE FARRAR and MR. W. A. CROSSE, Planeforte Duet: "Sonnia No. 16" (Hayen). MR. W. A. CROSSE, Clarinet Sulo. MISS FLORENCE FARRAR, Pinnofarte Sido. MISS FLORENCE FARRAR and MR. W. A. CROSSE, Pianoforte Solo.

4.45. WOMEN'S THANSMISSION (a) Ariel's Society Gossip; (b) MRS. C, S. PEEL'S

Domestic Conversation.

5.15.-CHILDREN'S TRANSMISSION: (a) Sabo and the Spider, by E. W. Lewis; (b) Jack Hardy, Chap. VI., Pt. L. by Herbert

S.O. SCHOLARS HALF HOUR : "Stories of the Nations, by Mr. A. W. Dakers, 6.30.—BOYS BRIGADE NEWS.

648 FARMEDS CORNER

7.0.—FIRST GENERAL NEWS BULLETIN FROM LONDON.

7.10. - WEEKLY LITERARY CRITICISM, by MR. JOHN STRACHEY (B.B.C. Literary Unitie). S.B. from Landon.

7.25. NEWCASTLE NEWS AND WEATHER FORECAST.

7.30 TRANSMISSION FROM LONDON OF A WACNER EVENING. S.B. from London, (SEE LONDON PROGRAMME.)

9.30 -- SECOND GENERAL NEWS BULLE TIN BROADCAST FROM LONDON.

9.45.—CONTINUATION FROM LONDON OF A WAGNER EVENING. S.B. from London, (SEE LONDON PROGRAMME.)

16.30.-CLOSE DOWN.

ANNOUNCER; R. C. PRATT.





#### Renders all Other Loud Speakers Obsolete.

By reason of the advanced electro-magnetic system and the improved non-reasonating sound candide with wood framper standardised throughout, the 1924 models of the AMPIJON now introduced, are "head and elloudders above other makes." Yet as AMPIJON costs no more ulthough the value is incomparably greater.

The association of a 1924 AMPIJON and a samular window with streams clearly and truly narroral cross.

The Juniop de Luxa design at 138 6 Carved Hom or "Draguo" pastern 45 5 8 Swan-nerk or "Music Master" sizie 16 0 9 The Portable "All Furnose model 46 6 0 AMPIJON Load Speakers are standardised by the leading producers of Radio Receiving less and exocked by all Wireless Designs of croate.

The Portable AMPIJON is tolly desailed a Booklet W.D. and Folder W.D. describes the AMPIJON range for The Prices from 12 2 8 These casalogues will be forwarded with the greatest pleasure.

Patienters and Monufacturers

Patenters and Manufacturers

ALFRED GRAHAM & COMPANY

(E. A. GRAHAM)

St. Andrew's Works, Croftno Pork, London, S.E.4.

Telephone Nos. Sydenham 2226. 2. Telegrams Nacathada,
Calgreen, Landon.

West End Shourpages

The Algraphone Salan, 25-25, Savile Row, Regent Street, W. L.

Telephone: Regent 1075. Telegrams Sonalogia, Placy, Landon.

We are california at the National Association of Radio Manufacturers Eabilition. White City, Navania, B.II.



"BUY BRITISH GOODS ONLY."

## WIRELESS PROGRAMME—TUESDAY (Oct 23rd.)

#### LONDON.

11 30 12 30. MORNING CON, FR. MISS GERALDINE HOLGSON, Soprano

otion, by LADY (H) RBY 1904 P. Dis American Woman in by MISS KATHLEEN COURLANDIR 5.30 CHILDREN'S STORIES William Goes to the Pictures." Part £ from "Jost William" by Rit HMALLIRO MITON H is said Seek Stories from History, "The Fscape of King Charles." by MISS VIOLET M. M. PHLED.

of King Charles. By METHLEY

METHLEY

I SUNAL FROM AST TO A 1

I SUNAL FROM AST TO A 1

A SUNAL FROM AND WEST TO A 1

A SUNAL FROM AND AST TO A 1

A SUNAL FROM AND WEST TO A 1

A SUNAL F

ARCHADA D HADDON, the Dimmatic Cr. News and Views of

to WR ARCHAD HADDON, the b BC Drimstic Co. News and Views of he Theatre. It was an a views of he Theatre. It was a fine and Collect. MISS MARJORIF 1 W1 Soptano, in Two Plantation Songs. MISS KATHERINE DOUBLEDAY, Solo Tuno fort. These pieces. MR GEOFFREY 1 VR a a Chat on the West. With the was at with the area on the West. With the was at with the area on the West. With the was at with the area on the West. With the was at with the area on the West. With the was at with the area on the West. With the was at with the area on the West. With the was a way of the way of t

on "How to Berome an Auction
15. TIME SI NAL SECOND 4 N 1 NEWS B. LLFTIN BROADLAST TO ALL
STATIONS, followed by London News and

STATIONS, ISSUED OF ADDRESS OF CRANSMISSION OF ADDRESS OF COMMISSION OF COMMI South Africa, by the HON S P. I. S. B. South Africa, by the HON S P. I. S. B. WALTON, K.C.M.O. High Commissioner of the Union of South Africa. B. PLY BY THE HT HON J. C. SMITTS P.C. which its expected to be of particular interest S.B. from London.

15. LOUAL NEWS AND WEATHER.

ANNOUNCER OF GRANTE

#### Annual Date / co.

3 30 4.30 Land Lang Transmission of MR
1AUL RIMMER'S ORCHESTRA, playing
at Lorent Pieure House

(3 R \* 1

Decoration by LADY CH \* RECY POYN')

(b) "The American Woman in Sichouette,

(c) "The American Woman in Sichouette,

(d) "The American Woman in Sichouette,

(e) "The American Woman in Sichouette,

(e) "The American Woman in Sichouette,

(f) "The American Woman in Sichouette,

(h) "The Hall Sichouette,

(h) "The Hall Sichouette,

(h) "The Escape of Reck Stories from Hostory, "The Escape of

Dramatic Cet c 25. BIRMINGHAM NEWS AND WEA

7 25 BIRMINGHAM NEWS AND WEATHER FORECAST
7 65 THE GREYS CONSERT PARTY
8 15 MR JOHN HINGELEY 2 TALK,
George Einst a Country 7
8 1 BR, SSI 5 CODDARD, Songs
P R Y CWEAN IN Juggios and Jokes
1 + 1 AS ERNEST JONES, Hanjo
8 1 1 C GREYS, Fantle
1 COLD TARRAL NEWS BULLE

TEX FROM LONDON

9 30.—8 B. from London (SF4 LC NOIN) PROCRAMME) to 15 -CARDIEF NEWS AND WEATHER

ANNAN H CISEN

#### THE REPORT OF BUILDING

3 45 4 45 - AFTERNOON CONC. BT by 8 Mol At Soo V dos STALIONFIANIS

orle Pance ( 15.—WOMEN'S TRANSWISSION IS.—WOMEN'S TRANSMISSION (IS. \* Increase Decimation, by LADY CHES'RY POYNTER, (b) "The American Woman - Sidements," by MISS KATHIFEN COUR

ILLEN'S TRANSMISSION IS We am Goes to the Live," Pact I from "Just Wilmin published by George Acceptage Ltd., (b) H is and Seek Bornis com H story by Miss V.O. M.

6. FIRST GENERAL NEW BY LEEK LIVE CONTROL OF THE SECTION OF T

FROM LONDON

10. WEEKLY DRAMATIC CRITICISM by
MR. ARCHIBALD RADDON Dramat.
Cutte to the B.B.C. S.B. Iron London

25. LOCAL MEWS AND WEATHER FORELAST

PROCRAMME)
10 15. ORCHESTRA 8 ato. 5 = Doc.

10 16. ORCHESTRA 8 ato. 5 = Doc.

10 Nell Gwynn 5 (German
10 a BOURNEMOUTH NEWS AND WEA
11 A FOLES
11 LOSE ORCH

ANNOUNCER BURTRAM FRY R.

#### CARCET

3 30 4.30,-FALKMAN AND HIS DRUKES

30 4.30.—FALKMAN AND HIS DRUKEN
TRA at the Capt of
WOMEN 8 BOX R (a) Interior Decora
a py LADY CHERRY POYNTER (b)
The American Woman in Silhouette, by
M 88 KATHILLAN COURLANDED
30. WEATHER FORFT AST and CLIL
30. NEATHER FORFT AST and CLIL
30. NEATHER FORFT AST and CLIL
30. PROGRAMMS
30. FARST GENERAL NEWS BULLETIN
PROM LONDON Followed by 8. Wales

TO CHAT ON GARDENING by ME

CHARD TRESPORED FROM

LITERARY NIGHT SHAKESTFARE

MF (IL), conducted with a critical
mentage, by PROFESSOR CYRLL BIGED menture by PROFESSOR CYRIL BIGS M.A., Cym., Professor of Engost. Literature in the University College of South Woles. CHAT ON "ENGLAND IN SPAKES, FEARF'S DAY" "THE CARDIES ANDRONICES Presented by THE CARDIEF STATION OR AMATIC COMPANY Statisfication of Cardinal Music by THE STATION OR CHESTRA

45. SECOND GENERAL NEWS BULLE TIN FROM LONDON Followed by South Wales News giving Local Weather Fore

TORK B. from Loudo SEE LONDON

2 TO SE from Loudo SEE LONDON

2 TO CARDIFF NEWS, giving Loca, Wonther 1:1

1) 20 -CLOSE DOWN

ANNOUNCER W N SETTLE

#### MANCHESTER.

3 20 4 30. LAND LINE TRANSMISSION OF 1 66 ONFORD PICTURE HOUSE OR COPS 1

5.3. MAUNLY FEMININE (a Interior Deco-ration by LADY CHERRY POYNTER (b) The American Woman in Silemette, by MISS & ATHLEEN COURLANTS. SPECIAL FARMERS WEATHER RE-

POLT 30 THE CHILDREN'S HOUR SOFTON AS THE CHILDREN'S HOUR SOFTON ASSET 50 THE CHILDREN'S HOUR STORMS
1 London (SPE LONDON'T BOGRAMME
30. LAND LINE TRANSMISSEN CORE PUCCABILLY SUCTOFF SO
ORGAN MUSIC At the Organ, MIS JARMITAGE

ORGAN MUSIC At the Organ, Mis JARMITACE

70. FIRST GENERAL NEWS BULLET NEROM LONDON

710. WEEKLY DRAMATE CRITICISM by MR ARCHIDALD HADDON B.R.C. Dramating Critice St.B. from Leading Manchester News And Wealth Registrate Ast. In the Waddington, Rocal Marie In the Marie News And International Critical Marie International Cr

ANNOUNCER A SMYTHA

#### PERSONALITY.

45. MR W A. CROSSES BLIOU OR CHESTRA: MR. J. GLEBERT, Corner Sale. MR W A CROSSE Purcetor Solo MR J. GH. GERT Corner Solo. MR W. A. CROSSES B. JOU OR. HESTRA

45.—WOMEN'S TRANSMISSION (6) In their theopetion, by ZADY CHE (RY POYNTER, (6) The American Woman and addition, by MISS KATHLEEN COUR 145.-WOMEN'S TRANSMISSION LANGER.

16. CHILDREN'S STORIES as in London. (SEE LON NOT PROCRAMIS)

6.0 SCHOLARS HALFHOUR A Shor-ralk on Games, by MR. W SCOTT 0.50 HOYS' LIFE BRIGADE NEWS

0.45.—FARMERS CORNER

ANTEC A

FIRST GENERAL NEWS BULLETIN ROM LONDON

B CONTRACT WEEKLY DRAMATE CHARLES AND A REBALD HAD BY FOR A SECOND ASSESSMENT AND A SECOND ASSESSMENT ASSESSM

TO NOWCASTIF WIPLIESS OR BOS TO A STREET BUILDS IN SOME WAS SAID FOR MARKS. NEWCASTLE WAS A STREET WAS A STREET WAS A STREET WAS A STREET BUILD LESS ORCHENTRA, Selection of Ohvers Songs to 11,

to A4, BHITP WILSON Tenor 148 COURSE ON MUSIC, period 1225 1538 with Il astrofichs

AFA ASIAF WIRTHS ORCHES A Section of a Library (0.1) 15.3

FIN FROM LONDON

FIN FROM LONDON

SEE LONDON

TIN FROM LONDON

10.5 St. from London SEE LONDON

10.6 IN MYE.)

1 MESSRS PITT AND MARKS (LON

10.5 ST. FOR NEWS AND WENTHER

1.4 ST. FOUNT

ANNOUNCER R C PRATT

# YOU SEE THAT IT'S "POLAR"

# WE SEE THAT IT'S QUALITY

BUY BRITISH GOODS ONLY.

We are Exhibiting at the N.A.R.M. Exhibition White City, Nov 8 to 21st.

RADIO

COMMUNICATION

CO. LTD.

Centra 8450 (3 linus

34-35, Norfolk Street, Strand, London, W.C.2.

Reducement Land London

## WIRELESS PROGRAMME—WEDNESDAY (Oct. 24th.)

11 30 12 30.—WORNING CONCERT: MR CYRIL SHEFRAN Solo Flure 5.0. WOMEN'S HOUR: Songa by MISS DOROTHY BENNETT "Symbols in Jupanese Art," Pt. 2, by MB, C POL AI CROWTHER, "Beauty Culture," N. V.

5 30 CHILDREN'S STORIES, Songs by LARD CROWTHE Compact by N 1 1 1 1 1 LARD CROWTHE Comp. 5, Pt 2, by RIE do R. S. R. N.

TIME SIGNAL, STREET OF N RALL NEWS BULLETIN BROADCAST TO ALL NIATIONS, indowed by Lundon North and

V n mer ner p el DE NASS N

the Famous Annie Explorer, will Tolk on THE PLE-BT OF ALROPE

7.3 SYMPHONY CONCERT As Performed a Concert of FUP of Alas St. MAN THE P. I ROGHNAMM (F. THE D. D. F.

36 . W S NAL SECOND C NEWAL NEWS 111 T NER BAR (ST T ) ALL S VIIONS, followed by London News and

Weather Report

45 - CONTINUATION OF SYM HONY
CONCERT, an Performed at Dir MAN
CES FRISTATION
CAS FOR STATION
CAS FOR FORM A
ANNO NEER R F PALMER

#### THE RESIDENCE AND ADDRESS OF THE PERSON NAMED IN

3 30 4.30.—LANU LINE TRANSMISSION OF MR. PAUL RIMMER 8 ORCHESTRA playing at Locale Beture Home 5.30.—LADIES' CORNER (a) "Symbols in Japanese Art," Pt. 2, by MR. C. FULLARD CROWTHER, (b) "Beauty Culture," by MADAME DEST!
4. 8 45 \*\* KEDDIES CORNER (a) "A Japanese Fairy Story," by UNCLE C FOLLARD CROWTHER; (b) "Jack Hardy," Chap. 0, Pt. 2, by HERBERT STRANG; (c) Composition.

potition.

SI FNEATE NEWS I LEFTING THOSE ASSESSMENT STRANGERS OF COMMERCE STRANGERS OF CASESSMENT ASSESSMENT OF THE PLANT OF EUROPE." SR from "1416 PL. FT OF EUROPE." SR from

7 % I RW No IAM NEWS AND WEATTHE FOTOCYS.
7 30. MR. SIDNEY GREW the Environt Critics Second Recital and Exposition of the Works of Chopin 5.0. -MF SIDNEY ROGERS FRRS, Take

Topical Horticultural Highs
5 MR C F J BUVINGTON Character
of the Dady Freez: Talk, How to Obtain

of the Daily Freete Falk, from to community for the following Leads of the Station Repertory Company MISS AIMEE GLENDA Soprano MR. CHARLES HEDGES, Tenor. MISS AIM V. U. HAN. MINES.

30 SECOND FA RAL NEWS PLEETE V. BLOADS AS A DAIL OF THE RAM LONDON CO.

lowed by Midland News, giving Local Weather

MR. BASIL H VI.RNON, Assistant Engineer at the Bermungham Station: Fifteen Minutes Morse Practice for the Enthusiast. O.O. MISS JANKT JOYE: Bongs at the

Piano. 10.15, MR. PERCY | DGAR, In Recitans

Unive and Gay 15:36. 4 LOSE, POWN ANNULNCER H. CASEN

#### BOURNEMOUTH.

\$.45-4.45.—AFTERNOON CONCERT by MISS WALTON FORREST, Contraito; MR. S. CLAFFORD, Solo Cerist.

445.—WOMENSTRANSMISSION (a) Sort bols in Japanese Art, Pt. 2 by MR. POI LAND CROWTHER (b) "Heavily Culture," by MADAME DESTI
245.—CHILDREN'S TRANSMISSION: (a 'A Japanese Pairy Story, by UNCLE (POLLARDOR) WTHER (b) Jack Hards Chap. 0, Pt. 2, by HER STRAN (c. Composition)

C Competition O. -FIRST GENERAL NEWS BULLETIN FROM LONDON

10. -DR. FRIDTIOF NANSUN the Faire of the Papers, will taken of THE PLIGHT of the UROPE? S.B. from London.

BOURNEMO, TH. NEWS. AND W. A.

THER FOR A ST

730 INTERVAL

1 DENEM DETH WARELESS OR

1 DENEM DESTANDAMENTO DE SERVICIONE

1 DESTANDAMENTO DE SERVICIONE

1 DESTANDAMENTO DE SERVICIONE

1 DOROTHY BARNES, SUPRAME, LANGET EADY, BARNEST GEBALD

1 LANEST EADY, BARNES, SUPRAME, LANGET EADY, BARNEST OF THE Brass

1 DOROTHY RAYERS.

1 DOROTHY RAYERS.

1 DOROTHY RANIALL, Contrales, a 1 DOROTHY

45. A FANTASY: The Heart of a Cloud (Constants Powell Anderson), by TRADIO PLAYERS

RCF ORGERSTRA RCB CLOSE OWN ANNUARCE R TORTHANDERS R

45 14 14 1

3 30-4 30. FALKMAN AND HIS ORCHES
TRA at the Cented Cinema
5.0 —WOMEN'S HOUR AND WIR C POLLARD
CROWTHER, (b) "Beouty Culture, by
MADAME DEST!
30-8.13 —WEATHER FOREA ST CITL.
——N. S. STORIES \* (s) "A Japanese Foir's
Story," by UNCLE O. POLLARD CROW
THER, (b) "Jack Hardy," Chap. VI., Pt. II.,
by HERR Of STRANGE (c) Competition

"——SI CENERAL NEWS BULLETIN
BROADCAST FROM LONDON

1 IN FR. I OF NANS N. C. V. O.
the famous Arctic Expirerer, will sa ken "THE
PLIGHT OF EUROPE." S.B. form London

7 25. CARDIEF NEWS AND WEATHER
FORELAST

7 30.—POPULAR NEGHT Vocabets, MISS CLOVIA GREES and MR. BES DATE 8 10. - "MR. EVERYMAN" Looks at the

N.20 Suste, "La Source Ballet" (Delabes). N. R. N. I. VI. Rongs, MISS CLOVIA

TIN BROADCAST FROM LONDON, followed by South Wales News, giving Local Weather Forceast 9 45.—STATION CHAT 5 50.—DANCE MUSIC 10 15.—CLOSE DOWN

ANNOUNCER: A. CORBETT SMITH

3.30—4.30.—AFTERNOON CONCERT DOROTHY CROCKE, Sole Vio DOROTHY CROCKE, Solo Violin; DONALD HARGREAVES, Solo Pianolorte, DOROTHY PATTERSON, Bo prano; MESSRS PITT AND MARKS, Entertainers 5.0.—MAINLY FEMININE. (a) "Symbols in Japonose Art," Part 2, by MR, O. POLLARD CROWTHER; (b) "Beauty Culture," by MADAME DESTI.

5.25. FARMERS WEATHER REPORT
5.30.—CHILDREN'S HOUR: (a) "A Japan1086 Forty Story," by UNCLE C POLLARD
CROWTHER. (b) "Jack Hardy," Chap. VI.,
Pt. II., by HERBERT STRANG, (c) Compe-

MESSES. PITT AND MARKS, Enter

7) F ST FNERAL NEWS RULE TON
HCV LONION
7 RO - DE FRIDTIOF NASSEN GOVO
for DEMOUS Arche Explorer, will talk BL
THE PLICAT OF EUROPE. S.R.

fee 1 ' ( | MENTEL 27) OR 1, 5, 4 | 1 of the transfer of the t

No. 2 Nongogia

0 10.—GERMAN TALK by FRANCIS J
STAFFORD MA., M Ed.

2 30.—SECOND GENERAL NEWS BY LLE
TIN BROADCAST FROM LONDON, foi
loved by Manchester News, giving Local
Weather Report

Weather Report

8 46 Re as Scatheregae Seachard to

(Renaky Korsakov). MR T. H. MORRISON
who is responsible for the important violat
solon in the work, lind the distriction of
being the original solont when the Ballet
was first produced at Covent Carde:
ALL THE FOREGOING ARE BROAD

CAST FOR THE FIRST TIME

10.23.—MEN'S CLUB, ANNOUNCEMEN'S,
and CLOSE DOWN

AND WE'VE A LICTURE RMATHE

ANNOUNCER: VICTOR SMYTHE.

R SERVICE REPORTS

3 45.—MISS FLORENCE FARRAR, Piano forte Solo, MISS MABEL OFFER, Mexto-Soprano, MR W, FAIRGRIEVE, Soxo phone Solo, M.SS FLORENCE FARRAR, Pianoforte Solo, MISS MABEL OFFER Mexto-Soprano, MR, W, FAIRGRIEVE Mexic-Soprano. Sas rehone Solo.

4.45. WOMEN 8 TRANSMISSION

5 In. CHILL CAN STRANSMISSION SCHOOL etc., by Mass. LATHAM and THE UNC. S.

0.0 SCHOLARS HALF HOUR: A Scort Talk by MRS. E. B. BRAMWELL on Nature Studies."

6.10. CLOSE DOWN THE CLOSE LOWN

70.-FLOST OENERAL N WS SCHIEBLY BROADCAST FROM LONDON

710. DR FRIDTIOF NAMEN (10)
the famous Arets Explorer, will talk on
"THE PLICHT OF EUROUF

NEWCASTLE NEWS AND WEATHER FOREX 18T

7 20. -NEW CASTLE WIRELESS ORCHES TRA MISS BEATRICE PARAMOR SOPRADO. MR. W HENDRY, Bertone, NEW CASTLE WIRELESS ORCHESTRA.

925. A SHORT TALK ON BRITISH COM-PCSE SIN MR TOBN WYATT, L.R.A.M., L.R.C.M. VALCO

\$40 -MADAME MAY GRANT, Controlto. MISS BEATRICE PARAMOR, Soprano.

9 b.-CLOSE DOWN

9 30.—SECOND GENERAL NEWS BULLE.
TIN BROADCAST FROM LONDON, for
lowed by Newcastle News, giving Local
Weather Report.

9.45.—MADAME MAY URANT, Contratto. MR. W HENDRY, Baritons. NEWCASTLE WIRELESS ORCHESTRA

10.15.-MEN 8 HOUR. LOCAL NEWS BUL-

10.30. CLOSE DOWN

ANNOUNCER. C. E. PARSONS.

## ASK YOUR LOCAL RADIO STATION TO BROADCAST THESE "WINNERS"

## **VOCAL FOX-TROTS**

When You and I Were Dancing
By H. M. TENNENT

We'll Find a Rendezvous

By WILLY ENGEL-BERGER

Don't Bring Me Posies (It's Shoesies that I Need)
By FRED ROSE

La Java (Play Me a Melody)
By MAURICE YVAIN

That Lovely Melody
By ARTHUR DONALDSON

En Douce (Dancing Through Life With You) By MAURICE YVAIN

O-La-La

By OSCAR STRAUS

## **BALLADS**

Love's First Kiss By DOROTHY FORSTER

Bring Back That Dreamland

Life's Roadway

Little Dream Lady of Mine

## FOX-TROTS (Piano)

Siberia By JEAN LENSEN

La Violetera By JOSÉ PADILLA

## WALTZ SONGS

Let All The World Go By

Red Moon

By H. de MARTINI & M. KORTLANDER

SHEET MUSIC 2 - PER COPY OF ALL MUSIC DEALERS, or if UNOBTAINABLE SEND 2 - P.O. per copy to:

ASCHERBERG, HOPWOOD & CREW, LTD.,

16. MORTIMER STREET, LONDON, W.1.

and the first of a first stage of the first stage o

## WIRELESS PROGRAMME—THURSDAY (Oct. 25th.)

3.00

Dody Mad ..... AND GIRL GUIDES

\*\* O INTERVAL.

7: THE S. NAL. FISST NEWS BULLETIN BROADCAS. TO ALL

NEWS BULLETIN BROADS 452 TO AND
NETHE WEEKS MUSIC." by MR
PEROY A. SCHOLES, the B.B.C. Music
Crite, BROADCAST TO ALL STATIONS.
"-BULLETIN OF RADIO SOMETY OF
REAT BRITAIN BROADCAST TO ALI
STATIONS. London News and Wonther

NIATIONS. London News and Westley

AND OF HIS MAJESTY'S GRENA
DIER GLARDS (by permanon of Color.)
G C Hom. on, C.M.G., D.S.O.). Director of
Mane. Lifett. G. Miller, L.R.A.M.
A Chilaron's Overtore (Quality), Prevale Solo,
E-the des Bons" (Bansure), Somet. MUSIC
IAN E. HOWEN, Production, (Jaruefeldi
MR. William RAST, Tenor., S. o. 1
Have Smiled." (Decoding Forder), Lon Y.

the Court Serve FROM

On the Court Serve FROM

On the Court Serve Serve FROM

On the Court Serve Se

D.D. BAND OF H.M. GRENADIER GUARDS A Keb or State (Foulds), L. The Clans; 2 A care, S. The Call. MR. ANTHONY BERTRAM Office

Lecturer to the Natsonal Port art to ery or

That a. a. Present 1

That a. a. Present 1

BULLETIN BROADCAST 10 At 1

SI TIONS, for used by London News and Weather Reports EAND OF H.M. GRENA DIER GUARDS. Lyrin State (Four Lyric Pieces, Open 54) (Greeg), L. The Shepheri Law Norwegian Rantic March; 3. Normal 4, March of the Dwarfs. MR WILLIAM EAST, Tenor. Kasamiri Bong (Indian Love Lyrice) (Woodforde Finden), "Bongs of Araby" (Clay). BAND OF H.M. (RENADTER GUARDS: Valse Lyrique (Shefine); Cornet Solo, "Quand to chantes" (Clarance), Solomi, MUSICIAN E. WEST; Prelude in C sharp minor (Rockmonnoff), in response to many requests; Overhure, "Plymouth Hop." (Arabell). 9 35 CM2 N - Bi response to many requests; Overture, mouth Hoe" [Ansell].

ANNOUNCER C A. LEWIS.

#### BIRMINGHAM.

2.30 4.30.- MR. HAROLD CASEY, Baritons, of the Station Reportory Company, will give a Song Readal association on the Player-Piano by MR, JOSEPH LEWIS 5.30.—LADIES CORNER (a) Fashion Talk

TO MISS NORA SHANDON, (b), House Charles Sale Very ops, by MISS F

Ki 55 CORNER a Saba and V 5 Di V Lou - 150 S or oringele Farry Tales. BOY SCUCTS AND GIRL GUILES.

AL ... ... PIRST GENERAL NEWS BULLETIN

FROM LONDON

7. Work MISCAP (1 18.8% by
M. 19 (1 80 1918 B.B.C. Musics,
Crine, 8.B from London,
7.2 B.RMINGHAMNEWSANDWEATHER
FORECAST TALK by the RADIO
800 FIX OF GREAT BRITAIN 8.B. from London.

7 10 MENSES PITT AND MARKS in Duets fopical and Tropical " (MS 7.65. MR. JORN HENDRY, Cellist.

8.0. MR. ERNISI ETHERIDGE: Task, Isaxier Prints 8.48. MESSRS, PITT AND MARKS in Ducts

up to date (M.S).
11. TRANSVISSION FROM LONDON OF THE BAND OF HM. CR. NAV. THE BAND OF HM OR NO. F. C. PARDS and a SCENE FROM THE OF A FAUET," air played at the out London. & B. from London. (SEE LONDON PROGRAMME)

30 SECOND GENERAL NEWS BULLETIN FROM LONDON, followed by Madland N. W. STEPPER, Westler Report.

N. WS giving Loca, Vestber Report

45. CONTINUATION OF THE TRANS
MISSION FROM LONDON S.B. from
London, (NEE LONDON PROGRAMME.,

10. CLOSE DOWN

ANNOUNCES J LEWIS.

TOURNOUS IN

45. APTERNOON CONCERT by MAR JORIE SCOON, Seprono, EDWARD HILL THE SECTION OF SECTION ASSESSMENT

JOHNE SCOOL, A SECTION OF STATE OF STAT

M SS E VA) DE IMANDI 15 CHILDRENS TRANSMISSION: (6). Sabe and the Mouse by E. W. Lewis; b., The Gusse Gu. from "Grant's Fury Tages."

TABLE OF THE STATE HOLD R

OF THE FAN HALL NEWS OF LIFT A

FROM DONORDA

10. WEEKLY MUSICAL CRITICISM by
FERCY SCHOLES, Moste Critic to the

25. FIVE MINUTES SIMULTANEOUS BROADCASTING IS 1 W BADDISOUS IN OF GREAT BRITAIN

ANNOUNCER BESTHAM FRYER.

3 30-4 30.—FAI KMAN AND HIS ORCHES

TRA at the Cap. tot.

3.00-4.00.—FAI KMAN AND BIS ORCHES
TRA at the Cap. tot.

3.00-WOMEN'S HOUR (a) Fashion Take
by MISS NORA SHANDON: (b) House
craft, "Save Your Steps," by MISS
F MARIE IMANDT

5.30.—WEATHER FORECAST CHILDREN'S
STORIES (a) 'Sabo and the Mouse,"
by E. W. LEWIS, (b) "The Goose Girl,"
from 'Grimm's Fairy Tales," BOY SCOUTS'
AND H.L. I. ES PULLETY
THE STORY MENTAL CRUTICISM by
MR. PERCY SCHOLES, (B.B.C. Magned
Critic). S.B. from London

7.26.—TALK by THE RADIO SOCIETY OF
REAT BRITAIN S.B. from London

7.26.—TALK by THE RADIO SOCIETY OF
REAT BRITAIN S.B. from London

7.26.—TALK by THE RADIO SOCIETY OF
REAT BRITAIN S.B. from London

7.26.—TALK by THE RADIO SOCIETY OF
REAT BRITAIN S.B. from London

BAND OF HM GRENADILE,
RDS, and a Scane from the Opera
have as 2 de die Old Vie, Louion S.B. from London, (SEE LONDON PROGRAMME

GRAMME

D 30.—SECOND GENERAL NEWS BULLETIN BROADCAST FROM LONDON

2 44.—CONTINUATION OF THE TRANS
MISSION FROM LONDON. S.B. from
London. (SEE LONDON PROGRAMME,
10 30.—CLOSE DOWN.

ANNOUNCER A, CORBETT SMITH,

#### THE RESERVE OF THE RE

11 30-12 30.—MORNING TRANSMISSION by the "EEY" TP10 and MISS ANNIE FICK FRING, Septence

O MAINLY (FMININE (a) Festion Tolk to MISS NOT V SHANDON, (b) House craft "Bave Your Steps," by MISS I MARIE IMANDT

220 FARMERS WEATHER REPORT

THE CHILDREN'S BOUR! (a)
Salm and the Mouse." by E. W. Liewi's
(L) "The Goose Girl," from "Griram's Farry

6.20. CONCERT by MISS LEAR TACKSON, Soprano, and MR. H. DEV NEY Buritons 6.40. CIRL GUIDES AND DOX SCOTTS

PON WOR 645.-SPANISH TALK by Mr W F BUELL

CHER, Examiner in Spanish to the United of the Labouse re and Cheelers Institute 79, FIRST GENERAL NEWS BULLETIN FROM LONDON

\* O. WEFKLY MUSICAL CRITICISM by MR PERCY SCHOL & B.B.C. Maseral Critic). S.B. from London 7 25.—MANCHISTER NEWS AND WEA THAR FORECAST

755 - TALK by THE BAL O SOCIETY OF TRANSM SS ON FROM LUNG NOR FOR BAND OF HM. GRENADHER GUARDS, and a Scene from the Opera "Facet," se puyed at the Old Vic. London. S.B. from London. (SEE LONDON PROGRAMME.)

Condon. (SEE LONDON PROGRESSIAE.)

0.30 -SECOND GENFRAL XEWS BLLLTN BECADOAST FROM LONDON

9.45 CONTINUATION OF THE TRANS
MISSION FROM LONDON. B.B. from
Langian. (SEE LONDON PROGRAMME.)

1. \*\* CLOSE DOWN

ANNOUNCER, S G HONEY

#### HERCASTIE.

3 47 THE LE ALL CING TIANG, MA.
IDERTIS (1) THE MISS GRETA
FOTTRELL Soprano, MISS RETA ROBIN
SON, VIOLE Solo, MR. J. GRIFFITHS, Colo
S.A. V. S. RETA I. H. SON, VIOLE Solo
445, WORLN'S T. T. S. S. ON, (a)

Fascient T & by MISS NO A SHANDON,
O H over sat Sa e Vice a ps, 4 Miss
F MARCH MANDI
A CHAINTENS TI ANSM SSIN
Substitute of the Misse T F D A 4 St

The control of the Central Park

6.5.—SCHOLARS' HALF HOUR: A Short Talk by MISS D. NEILSON on "Toles from

the life Ray Sec. IS NEWS

63) ROYSOLIS NEWS
63) ROYSOLIS NEWS
63) A SALL TALK ON "DUKENS,
by MR TODU
7.0. FIRST GENERAL NEWS BULLET."
FROM LONDON

- NUSL AL CRITUISM by

71 WE KAY MUST AL CRITTIPSM by M. 11 to Y St. 101. PS. (B.B.C. Musical Critic). S.R. from London
71 SEWCASTLE NEWS AND WEATHER FORECAST.

7 19.—A TALK by THE RADIO SOCIETY OF GREAT BRITAIN. S.B. from Leaden. 7 36.—TRANSMISSION FROM LONDON OF THE BAND OF HM. GRENADER

THE BAND OF HM. GRENADIER. GUARDS, and a Secre from the Opera. "Faust," as played at the Old Vic, Landon. S.B. from Leadon. (SEE LONDON PRO. 1, 13, 15)

PAGE SECOND CENERAL NEWS BULLE TIN BROADCAST FROM LONDON BAG. CONTINUATION OF THE TRANS-MISSION FROM LUNDON & B from London (SFE LONDON PROGRAMME) 10:30. -CLOSE DOWN

ANNULNCER R. C. PRAIT

## MULLARD WECOVALVE

· It you ar making or parchasis a valve receiver sea that it is fitted with Mu lard Wecovalves

T II van possess a rate receive fit it with Mullard Wecovalves

The either case you will save money



Mullard ffle Wecovalve will give strong signals without any visible glow of the filament Careful use in this way will greatly prolong the lives both of valves and batteries

Veile to us for List M W 1 for full part 1

Price 30/-

Full Memofesturing Lienne under Bennk Polents New. 12580, 123126, 180090.

MCLLARD RADIO 45, Nightingate Lane



VALVE COY. L'I'D By same London,

Telephone 10th

#### WIRELESS **HEADPHONES**



Neal, strong and clear Tre lear. bands are adrustable and comfortable to wear

2.000 ohms per phone.

Cords are mcluded and have tags that can be duplicated to en-

able any number of 'phones to be connected in somes or parallel without the use of terminals. All parts are built to line limit gauges and thoroughly guaranteed.

#### BRITISH MADE THROUGHOUT.

K7/4.000 K9/2,000

14/6 per pair (Postage 6d.)

6/- each (Posture 4d.)

Patentoes and Manufacturers :

Turnock's Telephone Works,

ASTON, BIRMINGHAM.

(Catelogues )



Good-bye, Good-bye."

CALLING leaf and chilly twilight are here-restoring broadcasting to its niche in the home.

Start this sensor were get the very best from the music-lader other this wince is bough an Ericmon two, three or four valve set. Hear he were of Brawa from end to one the operations concerts of in ansurpassed pure y and volume



There's an Eriemon model to test every purse and toste superhy made by araltemen of a firm with a de le 3 lou a exber coce pep oq i

THE BRITISH L. M. ERICSSON MFG. CO., LTD

Internacional Buildings, 57-73 Kingsway, London, W.C.?

We are Enhinting at the N.R.A M. Bablet 107, White City New 2th 25th.



Softeng Agents

MANCHESTER 19. Bridge Street. Deanipale.
NOTINGHAM W. F. Force & Co., Treffic St.
BERMINGHAM 14-15 Snow Hift
SCOTEAND 57 Rabertion, Street, Glasgow
N.E. ENGLAND Milhorn Ro., Noticeastly-no.
COLCHESTER 121 High Street

Buy British Goods only WIRELESS APPARATUS\_\_

## WIRELESS PROGRAMME—FRIDAY (Oct. 26th.)

1 30-12.30. MORNING CONCERT MISS MIRIAM FISHER N Selo Viola 5.0. WOMEN'S HOUR, BRIDGE The Gambling Element," by Miss TANK Cambing Element" up a s RAMSAY KERR, IMPRESSIONS OF THE WEEK

So Coll NS STORIES With Good to the Process. Just Woman by RICHMAL CROMPTON. Proce Willes 5 30 ( ) 1

By ENGERAL CROMPTON - Proceedings
Stories, "Frewark
O. INTERVAL
TIME SIGNAL, AND FIRS - ENERGI
NEWS BULLETIN BROADCAST TO A 1
STATIONS

NEWS BULLETIN BROTHCAST

STATIONS

SEEN ON THE SCREEN OF WEEKING STATIONS

LEVEL FOR THE STATIONS

LEVEL WIRELESS OR LEST A Conducted by E. STANTON JEFF RICS

THE SHAFTESBURY SINGERS (Many Voice Quartet). MISS FLORENCE LEN NOX, Seprance ORCHESTRA: Musical Cornects Selection. THE SHAFTESBURY SINGERS. OR HESTRA. MR. PHILLIP M. 2011 MISS. F. SCHAMEL, THE SHAFT SEBURY SINGERS

D.D. DR. A. C. C. TRUMMELIN FRAS, Director of the Counct Section of the British Astronomical Association. on "COMETS."

THE SECOND GENERAL

Astronomical Association on "COWETS of TIME STALL SECOND GENERAL NEWS BY LLETIN BROADCAST TO ALL STATIONS, followed by London News and Wentler Report.

Weather Report

4.5 VISS FLORENCE LENNOX, Soprano
ORCHESTRA. MR THULLE MIDDLE
MASS. Exterioner ORCHESTRA

3.30 LOSE DOWN
ANNOUNCER R. E. PALMER

#### BIRMINGHAM.

2 H 4 W. LAM AND TRANSMISSION OF MR PAUL RIMMER'S DRCHUSTAGA AND

ing at Lorels Picture House 5.30-6.0.—LADIES' CORNER: (a) Bridge The Gambing Element," by MISS JANE. KERR, (b) IMPRESSIONS OF THE WELL

THE WEPE CORNER: (a)" William Coses to the Protures, Part 1, from "Just Notices" by RICHMAL CROMPTON, published by GEORGE NEWNRS, LTD.

A 'can' by RICHMAL CROMPTON, published by GEORGE NEWNRS. LTD.
b) Monkey Stories
7 C. FIRST GENERAL NEWS BUILDING
FROM LONDON
7 MEERLY FILM CRITICISM, by MR
(A. ATKINSON, B.B.C. Film Crate, S.B. from L. w.
, 20 Lat M. N. LAM NEWS AND WEATHE. FORE, ANT
7 THE MAGIC FLUTE "(Mozard). MR
M. NES HARITZ, of Manchestor, will defiver a risumal on the Life of Mozart and his opera,
The Magic Flute," The Orchestra will be not consumed and full Chorus empiricyed for this production. The allocation of parts will be not consume QUELY OF THE NIGHT HIS NIGHT WAYNE, PAMINA, EMILE BROUGHTON; PAMINO, GEOFFREY DAMB; BARASTRO, JAMES HOWELL, I. V. ENG. GLADYS WHITEHE I VY A ENG. GLADY

MAGIC FLUTE 0 30-0.46.—SECOND GENERAL NEWS BUILETIN FROM LONDON, Inflowed by Mid-and News giving Local Weather Report

0. 5 WALLEY TO THE TOTAL TO BE WELLS ENGINEER RESIDENT ROOMS ANNOUNCER H. CASEY. RELATING CONTROL

#### SECURIOR DESCRIPTION OF THE PARTY OF THE PAR

346 445. AFTERNOON CONCERT Repro-cue-tat Piono. R. S. MOUAT, Solo

W MEX'S TRANSMISSION Bruce The tax may one MISS of the Monk

5.15. CHILDBEN'S TRANSMISSION (a, William Goes to the Pre toes," Part 2, from "Just William," by RPPMAL (ROMITON pubushed by GEORGE NEW NES, 1/14).

6.15. SCHOLARS HALF HOUR

TON NOTE

1. FIRST NEWS ALLET, VEKON ON
100X St. Sch. Y. FILM CRITICISM by
1. A AFR NSON Fun Crise to the H.B.C. S.B. from London SOL RNEMOLTH

NEWS

WEATHER REPORT C. THE ROLES MULTIN WIRELESS CALLESTON CONTROL CONTROL OF TAX W. S. FEATHERSTONE, M.V.O. Mur. Route do No. 2012. Reins de Saha " (Gounad). Over re Jean Paris " (Bodders). POST OFF CE VILITARY BAND. ERNEST REDEEN Entertaines. OBCHESTRA Section The CHARLEST REDEEN CONTROL OF STANDARD CONTROL OF STAND Selection FCST

Entertainee, ORCHESTRA Service The Haffma Offenback 1083 OFF CFM AIN BAND FRANCE By D. F. Paterta ne.

9 at St. OND NEWS BULLETIN FROM

9.45. -ORCHESTBA. ERNEST DUDGEN Formers ner POST OFFE. MILLIARY PUBLICATION AND A COLOR N

ANNOUNCED BERTRAM FOR

#### CARDIFF.

3 90 4 30. FALKMAN AND HIS OBCHES

TRA at the Capitol Ciocus.

5.0. WOMEN'S HOUR: (a) Breige, "The Garobing Element," by MISS JANE RAMSAY KERB, (b) Impressions of the

tore A STORIES A A La be Piet res." Port 2 from Port 2 from the Witness of by Rechard Crompton, punished by Geo. Newnes, Ltd.; (b) Monkey Storage 0.—FIRST GENERAL NEWS BILLETIN

FROM LONDON
10. WEEKLY FILM CROTTO SM BY MR
C. A. ATKINSON (B.B.C. Folm Critic)

C. A. ATRINSON (B.B.C. Film Critic)
S.B. from London
25 CARDIFF NEWS AND WEATHER
27. ANT
29. CE-BAY NIGHT LYRIC GLEF
SEN ERA Overtore, "Arcadiana"
(Menchon), MESSAS, HOBERT PITT
and LANGTON MARKS in "DUETS UP
TO DATE," LYRIC GLEE SINGERS
(a net Value: Lalas T min" (Sembert
MESSAS, ROBERT FITT and LANG
TON WALKS in DUETS UP
DATE. PON DAGE

OF PERITOSH MAMMALS 15. CHAT 15 DR AND SIMPSON, MAD Some SECOND GENERAL NEWS LOCAL LATTIN FROM CONTON For modery Son I Wales Nows giving Local Weather Forecast 2.45. & B. from London. (SEE LONDON PROGRAMME.

DOM: CLOSE DOWN

ANNOUNCER. L. B. IA F.

#### MANCHESTER.

345, 4.30 A F N 9 N N F 1 (CN 81 N F 1 AYNE C F N N 1 N 1 N 1 N 1 N 1 TRANSMISSION (C) C N 1 1 1 1 3 F

5.25.—FARMERS' WEATHER REPORT 5.30. CHILDREN'S HOUR: (a) "William." Unea to the Pictures." Part 2 from "Just William." by Richmal Crompton, published by Geo. Newnor, Ltd.; (b) Monkey

St. 1105

STRICK
ST

from London . MANCHESTER NEWS and WEATHER

130 CLUSE DOWN 45. 2ZY OR HESTRA HARLY HOLD WELL, Baratone: BEITY WHEAT, Y **S**оргало.

DO A RESERVED PHRASE OF SERVED PHRASE OF THE PROPERTY OF THE P

9 30. SECOND GENERAL NEWS BUT IF IN FROM LONDON, tolinwed by Manchester News giving Local Weather

3.40.

ROBORS

JO. FRENCH TALK by FRANCIS J
STAFFORD MA, M.EG

SO. HASEL HOPEWEL Barrone AA

ORCHESTRA AR W. VOODSAA SCLUB ANNOUNCE.

1 NEVSCLU 10:30 TLOSE DOWN

ANNOUNCER DAN GODEREY

#### THE PERSON NAMED IN

HR. W. A. CROSSE'S BLIOU OR CHESTRA, MR. E. FLETCHER, 'Cello Solo. MR. W. A. CROSSE, Clarenet Solo. MR. W. A. CROSSE B. BLIOU ORCHESTRA MR. E. FLETCHER, 'Cello Solo. M.—WOUEN'S TRANSMISSION: (a) Bruige, The Gatriding Element, by MUSS JANE RAMSAY KERR, (b) Impressions of the Work

JANE RAMMAY KERR. (b) Impressions of the Work

15. CHILDRENS TRANSMISSION STORIES by MRS. LATHAM, UNCLES JIM, CHARLIE, and RICHARD: (a)

"William Questo the Pictures," Part 2, from
"Just William," by Richmal Corropton, published by Gro, Newnes, Ltd., (b) Monkey Stories

Stories.

O.C. SCROLARS HALF HOUR A SHORT TALK by MR J ANDE SON on "Stories on English Literature 10 18.4 At 1

W KLY PILM CRITICISM by MR

TO THE PROPERTY OF THE STATE OF

735 IL PARTY

PARTY

\* D AR W BABRS, Void Some

5 % MR, W A. CROSSE, Poin Jorde Solu:

"Sonata In I. Minor" Monorit.

8 3 To Star K S. CONCELT

9 SE THE NAME OF A NEWS BUL-SET N. F. 191 N. N. N. Rillowed by Newcastle News giving Local Weather

Report
45. MR J W BABOS Violen Soio C va-tina " Chaff p 45.

A FIRA SPARKS CONCERT

MR W & CR 1881 Lanoford & London Cappingson
10 15. M N B HOUR. LOUAL NIWS
BULLIFTIS
130 —CLOST PWN

ANNO NO. C. K. PARSONS.

## The Future of Broadcasting. By LORD GAINFORD.

Lord Gamford is Chairman of the B.B.C. Sefere his elevation to the Peerage, in 19.6, when Postmaster-General, he was the Rt. Hon. Sir Joseph A. Pease, Bart.



LORD GAINFORD. Photo Graine 1

IT has been a gested to me that the is a propinent few words with reeard to the future of broadenst nu. witn specia, reference to the Report of the Broad-Callette. and to the Recem andations of the

The delay in issoing the report was begin r ng to occasion at the suxuety, but it has been generally admit ted that the delay

was abundantly justified in that it has enabled the a streaster-General to effect a solution of the intreste problems confronting lum. The new agreement has met with a gratifying measure of appreciation from the public and the Press of the country

Every Point of Yiew

May I be permitted to recall the fact that I have had some experience of the responsibilities attaching to the office which Sir Laming Worthington Evans so acceptably holds, and I know how difficult it is to formulate a series of proposals which satisfy the requirements of people with widely divergent points of view. The Postmaster-Reneral has sympathetically consultred every point of view, and the absence of hos, its criticism is an indication of his success.

I should like also to congrutulate the Broadeasting Committee upon the way in which they discharged their duties. Although the Post-sunster-General has been unable to accept all their recommendations forth with, it is recognized that the contribution of the Committee to the solution of the wireless problems has been a steetal one. Some of the reforms which they have suggested will greatly facilitate the kyelopment of wireless.

In particular the B.B.C. appreciate the recommendations of the Committee that there should be an extension of the wave band. additional hours of transmission, and the gradual removal of certain restrictions, all of which are retarding progress.

Appreciation of the B.B.C.

The Committee has been good enough to express appreciation of the performance of the Broadcasting Company, and we are gladthat it has been put on record that we have schieved a large measure of surcess in gauging the public taste and providing satisfactory programmes, and in doing valuable pioneer were he face of many difficulties.

I see set say much with regard to the recommendations of the Postmaster-General, rocept that generally speaking they are entirely satisfactory to the Broadensting Company some of them have already been given affect to, and in all the others the B.B.C. will give its loyal and willing co-operation

It is a matter of sincere regret to us that we were anable to accept the uniform became, but an predoction by legislation could not have been secured except after long delay, even Inview of the special circumstances of our case, and as we were bound to insist on some protection to British trade, it was found that the only means of securing it was by the reterof the Breatteast Literag and the leave of the Constructor's Lecence with the that British narts or ly would be used

Apart from protection for a limited pero ! having been a cardinal principle of the scheme when marted, on the strength of which the manufacturers subscribed capital to start the service and latmehed out into this new and sin-I am sure you will recognize the importance of giving a new initiatry a chance to becomof severe anemployment

An Appeal.

I wall especially to associate myself with the appeal of the Postmaster-General to the public to give the new regulations a fair chance. have accepted the Interim Lacence and the Constructor's Licence as the best solutions of the problems presented by the prople who make their own sets.

I make the appeal with great confidence that the constructors will see to it that only British made parts are used. It is needless for me to point out that the more home-made sets an constructed the fewer complete sets will be sold, and it should help to make the hobby of constructing a set all the more enjoyable if we know that our bubby is interfering as liftle as possible with the fivelihood of our fellow country. men and women.

Wireless has given employment to thousands of people during the last year who would other was have been idle, and it will do so again if all will play the game. It is because we be a con the innate sense of fair play of the British public, it is because we are confident that they will do the right thing if they only know what m the right thing to do, that we have accepted this Constructor's Licence, which constitutes a great departure from our original agreement.

Licences for Everybody.

I do not think speaking generally, those who nave constructed home sels really have wished to escape making a fair payment for programmes to which they have listened, and that now the way is made open to them they will take out their linences and so help us steadily to hoper -

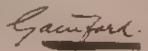
the programmes,
May I take this opportunity of extending to
our readers the appreciation of the Directors of
the B.B.C. for the way in which they have received this journal.

Sound proof of the public interest in of this magazine. At one bound it has become one of the most widely-riculated periodicals

Brondessting is only on the threshold of its career. It has made rapid strides in the few months of its existence, and no one can furriell what its future development will be. Now that there appears to be a saturfactory solution of so many of its problems, there is no reason why is should not go on from strength to strength, until it takes its place as one of the great permanent services of the countr

To enable it to do so we must have a. adequate and secure financial position. Heris where you all can belp us; becares a

for everybody Please use vour naturneo in the



#### The Deputy-Director of Programmes.

BY ONE WHO KNOWS HIM.

C. A. LEWIS is full of vitality. One is con-actions of energy printed down, strugglings in escape. It exhibits itself in the headle-A. LEWIS is full of vitality. One is conrush down the passage as I urgent son ch at his hat as he and and pents—when not at the microphote—vir-rapidly, and gives the effect of running a caco with Time in which he has been badly hand;

appear He is young to be Deputy Director of Programmes, a position of importance in the B.B.C., and sometimes his processived as adicates that he acknowledges with the gravity the responsibution resting on his But apart from this occasional

semousness he is a cheruful so al.

#### A Shakespearean Enthusiast.

in the instigator and chief moving spirit of the wireless performances of Shekespeare, Mr. Lewis has "made history," and opened up on entirely new field for broadcasting activities,

Twelith Night" was followed by the "Mer bant of Venice," while "Rouseo and Junet at the "Midstenmer Night's Dream" havalso been snoossfully performed, this week,

Macbeth" is being played. Mr. Lewis has the faith of the enthusiast and is evidently lading his time for do: ... Hamlet." It is fine to come across a ti believer in Shakespeare newadays, when the West-sod repudates his plays, and they are left to the excellent sating, but poor productive powers, of suburban theatres, Mr. Lewis, in succeedaily overcoming prejudices and givit several "invisible" performances, may 5 -mve the means of re-cata arching Shakespears in his rightful position.

As Carlo Caractacus he is far more and known than se C. A. Lewis, for as Unck Paraetacon he is in charge of the Children's Hour, conducts the Unidaren's Page on this paper, and jokes joyously with Uncle Jeff every

evening from 2LO.

Ho namesake, an ancient Britan, resisted the Romana, we are told, in the first century. He was alternately captured and taken presents to Power to Rome, where the Emperor Chardins was so moved by his dignity of bearing that he particulated him. If it happened that Caractacus of the Children's Hour were at the memy of an Emperor Claudius, he would surely be reprieved when his captur put on the headphones, and his life preserved, like that of the fair Schehera zade of the Arabian Nights Tales, from night to night, as long as his cheerful "Unclosing"

#### Enjoying Ris Work.

The kindies love him, and his desk, like Uncle Arthar's, always bears material witness of their affection. Flowers, eighter ten and funny little mascots of every kind find their way through the post to it, and a heap of correspondence in aprawling children characters awaits him every morning.

Lasteners are lammar with the ' \nssets or orrespondents' togets during the control of Hour, but perhaps do not appreciate what it means, after a long day's work, to tackle with continued aest and freshness the part of Uncle. He has a joke or some bitle bit of nonsense is each of the children he is "answering," and seems to enjoy it all quite as keenly as his unseen authence. How they would love him if they could see him, and long for bon to pick them up and tom them on to his shoulder, so high above everyone else "

A Recent Talk Broadcast from London.

## My Assault on Mount Everest.

By Brigadier-General the HON. C. G. BRUCE, C.B.

(Brigadier-General Bruce is one of the most intropid of living mountaincers, and last year he commanded an expedition for the purpose of attempting to climb Mount Everest, the highest mountain in the world. He and his party had all altitude records, but just failed to reach the top. In the following "talk" General Bruce describes some of the hardships and difficulties he encountered.)

THERE have now been two expeditions to explore and attempt to climb Mount Everest, and we are now preparing a further and third stage. The attempt to climb Mount Everest in the last, possibly, of the great main explorations on this goal.

We, as a nation, have, in spite of many gallant attempts, failed to be the first to reach the North and South Poles.

Mount Everest stands, as it were, between the two—a graud trio—and may be loosed upon as the most romantic of the three great points of interest

To begin with, it lies on the borders of the kingdom of Nepal and the territory of Thibet: and has been, until the present time, quite as difficult of access as the North and South Poles

4 es from the south is still out of the question. But during the last few years, so

friendly have our relations become with the Thitetan Government, that, owing to the kindness of the Dalai Lama, the ruler of Thibet, the last two expeditions have been allowed, travel through their construction and to approach the man chain of the Himalaya from the north.

For almost muorerable generations I'h.het was abut off from contact with the Western World, and han been visited—until the Younghusband Expedition of 1903—4—by very few travellers.

#### The Dalar Lama.

At the present time and arror the enlightened government of the present tonini Lamo, there has been a vast change of outlook. He is a man of exceptional obseractor, and the least of the Lamoutic religion in Thiber Rut besides that, he is also the political chief, for he combines the spiritual with temporal power in a manner exercised by no other head of a State in the entire world at the present time—not even omitting Japan. The mechanism of Thibet has been very largely broken down under the rule.

It is strange to think that the mysterious town of Liness has now been connected with India by post and telegraph. And not only that, but we have for the last year been

training Thibetan officers who have been at tached to nur Indian army for instructional

purposes.
The firms which have been shown are the first taken in Thibet, and for the first time we thru been able to produce in Europe pictures and a give some this of the strange life and entires customs of the Th. betare

Although an ottack so a great mountain such as Everest does not require in any way protracted operations, still the actual effort required in making such an assault is probably as strenuous while it lasts, or even more strenuous, than any other test of physical endurance.

Therefore one of our difficulties is to produce our climbing parties, whether the actual mountainners themselves, or the large gang of porters on whom the success of the mountainnering party entirely depends, at the base of operations without in any way exhausting their powers. That is one of the great problems.

#### When the Montoon Breaks.

But even more important then that is the question of the weather. Thibst is one of the arrest and most elevated countries on the world's surface. But we are dealing with the extrema southern border, and this southern border is slightly, but quite distinctly, affected by the south-wist mouseon currents which break and expend themselves on the southern slopes of the Himniaya, but are still able to

(i) n., and melts the writer mow and causes by a calculation of 1922 had rather bad luck.

I' expedition of 1922 had rather bad luck, in that the moneous arrived about ten days earlier than usual.

The weather reports above that whereas in 1922 on June 7th the couthern slopes of the Himalaya showed an excess of ten meles of caudall, the record this year, on the same date, showed a descrit of twelve meles. This would mean that if we had had the luck to be attempting Everent in the present year, we should have had two to three weeks more time in which to earry out our attack.

Should three last conditions be repeated, everything points to a successful issue to our labours in the year 1924

#### Arctic Methods,

Further, our experiences on the last two expeditions have taught in many lessons by which we hope to profit. We know exactly where our camps should be pitched. We know the approaches to the mountain. And it has been proved that our methods—Arche methods should for the first time applied to mountaineering—are the right one.

We took with us a very first-rate outfit of the best of foods that our be timed, and soon, having collected all our supplies at our great base camp, at the head of the Rongbuk valley—which is the great valley ranking north from the northers alopes of Everest—we proceeded to epack up our depôts until we had established a forward base at a beight of 21,000 feet at the foot of Everest nach.

To give some idea of the work entailed I must explain that this base had to be supplied in a fortunght, and we had to push on to the advanced base supplies for fourteen Europeans and forty-five porters for a month.

Terrible Sufferinge.

The first party made an aftempt without the extra belp of using the oxygen apparatus, and attained the quite unprecedented altitude of only lifteen feet less than 27,000 feet

They suffered terribly, as was natural, from faligue and exposure, and, with the exception of Dr. Somerwell, all in greater or less degree from frostbite, especially on their descent, when they encountered a bitterly cold and severe

The second ascent, which used the oxygen apparatus, reached a still greater height of 27.2%, feet, and no doubt well drave attained a still greater allutude if it had not been for the fact that they were weather-bound for two whole nights in their camp at the astounding height of 25,600 feet, by a perfect harricane of icy



The Shap of the Desert is now provided with wireless.

shroud the whole of the mountains themselves in an immense cloud of cloud for at least three of the summer mounts.

All attempts on Mount Everest must be corried out before the break of the mensoon with its soft and damp winds.

The prevailing wind in Thibet is a cold and extraordinarily dry western wind, and while this laste the mountain remains hard and frozen, and, with the exception of the intense cold, in a comparatively safe condition.

When the warm winds conquer the dry west

When the warm winds conquer the dry west winds everything changes, and a concurren in set up which can be quite well likened to the "Fohn" wind which blows in the Alps in the



many washers the size of extension Complete with self-canto and Loud Speaker

25 years' wareless experience has been embedded to this set to achieve this perfection. It brings the joy of "listening in" to all the British and Continental concerts within the reach of every home.

The track of every come.

Power range my set to reach of me was send of R.L. to R. I. to M. I

RADIO INSTRUMENTS, Ltd.

Residence Residence of State of the State of Sta WORKS OFFICES AND SHOWEODES 11, HYDE STREET, WEW OFFORD STREET, W.C. Photos Den and Property of the Samuel Samuel

ABBEY

W RELESS



PRODUCTS.

"ABBIPHONE"

1 . Trade Marks.

BROADCAST RECEIVING SETS.

AMPLIFIERS.

ACCESSORIES,

ETC.

Suspection of our products cordially invited at any of our depots.

Landar Shawroome

West End 50A, STRAND, W.C. City. 10, MARK LANE

Head Offices and Works ABBEY WOOD, S.E.2,



THE NEW **FELLOWS** LICHTWEIGHT PHONES

the content of the relation of the content of adjusting nuts. This fitting is special to go of any time for the fact of the content of the co



## **EDISWAN**

The name which means better reception.

The name signifies the reputation and the Ediswan reputation means "superior productions "-superior, because 40 years of research work have enabled us to discard everything but the best.

Manufacturers of Complete Receiving Sets, and Accessories, also H. T. and L. T. Batteries. Ask or write for leaflets.

write us direct and give his name and address—a post-card will do Your Dealer holds stocks to supply you-if not.

Have you had your FREE copy of Illustrated Booklet, "The Thermionic Valve"? If not, write us at once

EDISON SWAN ELECTRIC Co., Ltd.,

Contractors to H M Admirally War Office Royal Air Forces 123,125, QUEEN VICTORIA STREET, E.C.4. and 71. Victoria Street, S.W.1



HEADPHONES EDISWAN

(New Design)
Total Resistance 4,000 Okms.

Price 24/- per pair.

Adjustable Double Headbands, Potsihed Pressed Alammann Cases, Mouded Ear-preces and un feet of Bexible cord. Genune Edinwan Headphones specially low priced at 24. - per pair

TEMPERATURE (Emiller) EDISWAN VALVE

Price 27 6

Filament Volts 1.8-2.0 Filament Current 30 Anode Voits 20-50 Bulb Diameter 29 mm. Overall length, including pins, 110 mm. Max. Cap, Standard 4-pm.

D. not put more than 2 volus across the Mamont Eminently suitable for reflex circuits.

## WIRELESS PROGRAMME—SATURDAY (Oct. 27th.)

#### LONDON.

II TO MAN TO BE TO MAN TO THE BY THE

Hat," by A. KIRKHAM HAMILTON
To kiren's Neu

NOTERVAL
SIGNAL, FIRST (ANERAL
NEW
SIGNAL FOR TWO LITTERS AREA
NOTERVAL
SIGNAL FIRST (ANERAL
NEW
SIGN Wenther Report . Will are a strainer my a ""To day".

Wenther Report

WE ATTAN EXPOSE BY A "TO day's

A TO A TO A NEW YORK BY A TO DAY's

A TO A TO A TO A TO A TO A TO A

Oncotop, "Mirror," Value: "Teach Mo."

A TO A TO A TO A TO A

H H S D I BO WHY F A TO A

H H S D I BO WHY F A TO A

The A TO A TO A TO A

H H S D I BO WHY F A TO A

The A TO A TO A

THE A TO A TO A TO A

T

O MOTORING," by CAPTAIN RECH-

NEWS BULLETIN BROADCAST TO ALL
STATIONS From the London No. and
We a Bren. 18 to 18 St. From
The Control of the Control of the
The Control of "Mr. Ga agner and Mr. Shean," Onestep, Wight a fit has P you F ;
You Tell Her-I Statter," Fortrot
1).20. - CLOSE DOWN.

INNOUNCER C C BEADLE.

#### BIRMINGHAM.

10.39,-CLOSE DOWN. ANNOUNCER: P. EDGAR.

#### BOURNEMOUTH.

5. MC. 11 S. 1.11. 1 TANIS
4.46.—WOMEN'S TRANSMISSION (a)
Positry Talk by "CHANTICLEER", (b)
In and Out of the Shops, by THE COFT CAT.

. . . . I It ( )

LONDON

0.45. ORCHESTRA TH AER ONC E TA OF HESTRA I II. FOSE LOWN AERIALS '

ANNOTH FR. BURTRAM FRYLIC

#### CARDIFF.

3.30. 4.30. FALKMAN AND HIS ORCHES-

130. 4.30. FALKMAN AND HIS ORCHES-Title is a point of a point Tank by the Chartelear ( , (b) In and Out of the Shops is a life of the Shops of the VPX (IFF FOUR VS) (III) the Shops of the VPX (IFF VS) (III) the Shops of the VPX (IFF VS) (III) the VPX (IIII) the VPX (IIII) the VPX (III) the VPX (IIII) the VPX (IIII) the VPX (IIII) the VPX (IIII) the

News.

10 Chief SPORT BY Mb. Wilder
C CLISBITY Children Rell" (Sound);

C. CLISETT

7 30. MARCH, \* Liberty Bell\*\* (Sound);

V. V. V. C. I. V. S. Est. V. S. Est.

WORL

TON Your a (Wallace).

Songs by Mrt ErfN, S. A CCLL, NS R,

"Superity" (Emil (Packs); (b) "Love's

Melodie '(Ernest Newton), Selection, "Polly"
(facton), Songs by MR, SAM LECAS(a) "Three for Jack "(Syntre), (b) "Lates

(Assembly Songer by MR. SAM LOCAS(B) "Three for Jack" (Symer), (b) "Loss
Who Phys.

BY CONCLEDE WALLE WHILLAYS
FOR A Secrety of Wish Agricum
these safets Sounds

6.3 STONE CAN RAL NEWS BILLS
INTO A STATION CHAT

9.50. DANCE MUSIC
ANNOTHERS WHO RESTLE

ANNOUNCER W N BETTLE.

#### MANCHESTER.

THE CAPARD PLANTS AND CAR

5.0. MAINLY FEMININE. (a) Poulty Talk, (b) In and Out of the Shops, by "The Ceny Cat."

Copy Cat. 7
25 Fac 116 S. A. T. P. B. Perl

O. 1.26 F. Pickes for a second control of the contro Chadren's News.

M.30.—Land Line Transmission of ORGAN

I was to be At the Organic MR, J, A dis, Chi S PAR I N dis Chi I N BR Washing Local Weather Report

Nows, giving Local Weather Report

116. -INTERVAL

145. DANCE MI SIC PROGRAMME, BY

116. INTERVAL

145. DANCE MI SIC PROGRAMME, BY

116. INTERVAL

146. DANCE MI SIC PROGRAMME, BY

116. INTERVAL

146. DANCE MI SIC PROGRAMME, BY

116. INTERVAL

146. DANCE MI SIC PROGRAMME, BY

156. DANCE MI SIC PROGRAMME, BY

167. DANCE MI SIC PRO

ANNOUNCER ARTOR SMATHE

#### NEWCASTLE.

347 A SS FL II ENGR PARTAR TE ands

THE REST OF THE RE

445 WOMEN'S I ANN SSION IN A

J. G. DAKERS HALF HOUR. A Shurt-

J G. DAKERS
GBO, IN FERVAL
GBS. FARMERS' CORNER

TINTERVAL
FIRST IN SALE VALUE BUILTIN
FROM LONG IN A MADER Report
THE ALL COLOR AND THE TRIP
LATE AND REAL AND THE SALE WAS A MADER REPORT
THE ALL COLOR AND THE SALE WAS A MADER REPORT
THE WORLD AND THE SALE WAS A MADER REPORT OF THE WORLD AND THE SALE WIRELESS ORCHESTRAL MME.
BETTY HUMBLE, Soprano: (a) "Harp of the Woodlands" (Markin); (b) "Saint Peter and the Rose" (Bloge). MR. J. W.
Bed S. CARL FUCHS "Colo Sola" "Adapto from the C

FUCHS CALORODO, NEWCASTLE WIRE-LESS ORCHESTICA

9.0. CLOSE DOWN

9.0. -SECOND GENERAL NEWS BY LLE

SEE LONDON PROGRAMME

10.30.—CLOSE DOWN

ANNOUNCER R. C. PRATT

# Its the valve that counts!



PRICE IS - EACH

F you use a Valve receiving set you will do well to realise that the efficiency of your outfit is largely dependent upon your choice of Valves. It's the Valve that counts. You will positively ensure the best reception of vocal and musical items by using

#### MANAGENERS

which are made—and made to last-with the same scrupulous care that has always characterised the manutacturing operations of the famous OSRAM Factory.

You use OSRAM Lamps at home-use the Valves with the "OSRAM MADE" reputation

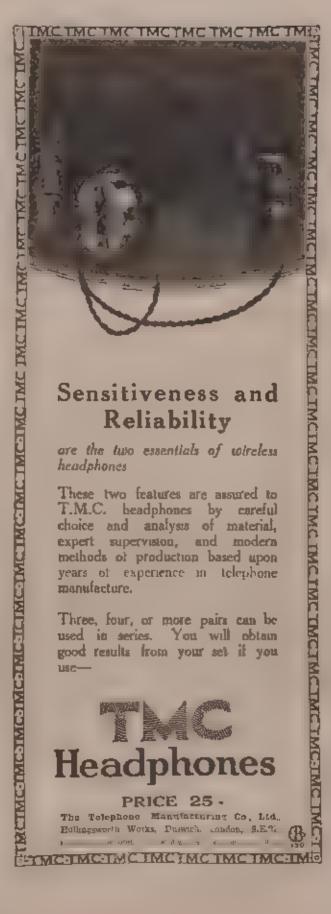
BUY BRITISH GOODS ONLY.

PRICE 27 6 EACH



Sold by all leading Wireless Dealers, & estrical Contractors, Stores, etc.

(Wholesale andy)
THE GENERAL ELECTRIC Co., Ltd., Magnet House, Kingsway,
London, W.C.Z.





## WIRELESS PROGRAMME—GLASGOW (Oct. 21st-27tb.)

#### SUNDAY,

50-5.0.—TRANSMISSION FROM LONDON OF AN OBVAN RECITAL FROM THE STEINWAY HALL, CREE LONDON PROGRAMME BJO. MISS JESSIE GOVAN, Soprano THE WIRELESS TRIO. MR. WM. FERGUSON

C. ADDRESS BY THE REV G. J. KINNELL, of the Babup of Glasgow's Staff Miss JESSIE GOVAN Soprano: "Come of the Wilders of the Wi

UESS TRIO

8.50 -- DUET - MR. WILLIAM PERG. S N.
The and MISS J. GOVAN, Soprano
1. NERAL NEWS BULLETIN
BROADCAST FROM LONDON, followed
by Glasgow News and Weather Forecast
THE WIRELESS TRIO
10.30. SPECIAL ANNOUNCEMENTS.
10.45. CLOSE DOWN

ANNOUNCER H. A CARRUTHERS

#### MONDAY.

330-430-AN HOLR OF MELODY BY
THE W FLICKS Q AF FI

1 3 FA K TO WOMEN a) Arel's
Se of G see Or Mrs C × Peel's Con-

eractions.

O. THE CHILDREN'S CORNER: (a)

Submitted the Strifer 'be St W for a line of the Strifer of the Strife of the Strife

S'CA E LAT. WEATHER REPORT FOR

TARMERS

1 ARMERS

10. FIRST GENERAL NEWS DULLETING

11. HROADCAST PROM LONDON

11. WEEKLY LITERARY CRITICISM

11. HY JOHN STRACHEY (Literary Crit.)

12. M. from London

12. CLASLOW NEWS AND WEATHER.

" -GLASLOW NEWS AND WEATHER FOREI AST

730-TRANSMISSION FROM LONDON OF A WAGNER EVENING. 8 B. from London. (SEE LONDON PROGRAMME. 330-SECOND GENERAL NEWS BILLETIN BRJADCAST FROM LONDON 9 45. -MESSRS HOBERT PITT AND LANT. TON MARKS ' Duets Topical and Tropical" ORCHESTRA, MESSRS ROBERT PITT AND LANGTON MARKS, "Duets Up-to-Data." ORCHESTRA

10:30, -S P E C I A L. ANNOT NOEMENTS I LOSE DOWN
ANNOUNCER, A H. SWINTON PATER

INNOUNCER. A H SWINTON PATER

#### TUESDAY.

The 4-50 AND OF MELGDY BY THE W PERESS IT OF A TELETON MEN ALIMERION DESCRIPTION OF A LINE OF A MESS KARLING CORNER STORIES AS IN LONG OF A LINE O

PARMERS.

Vi SE, AN

9.15 SECOND GENERAL NEWS BULLS FIN BROADCAST FROM LONDON 9.30.—8.8 June London SEE LENDON PROGRAMME

10.15. GLASCOW NEWS AND WRATHER FORECAST SIE IVE ANNOLN E WENTS. 10.25. (LOSE DOWN

ANNOUNCER: A. H. SWINTON PATER

#### WEDNESDAY.

330 AN HALR OF MELODY BY THE VILLESS LAWY 50 '30-A TALK TO WOMEN (a) Sym

there a day in the cart II by Mr C.

5.30. THE CHILDREN'S CORNER (8) A Lapaness Fairy Story," by Uncle C. Pollard Crowther; (b) "Jack Hardy," Chap. 6, Part II. by Herbort Strang; (c) Competition 60. SPECIAL WEATHER REPORT FOR

60. SPECIAL CARRIED STATES OF SPECIAL NEWS BLL.
70.—THE FIRST GENERAL NEWS BLL.
1F. N.P. (AD) AST FROM LONDON
710. R. (BB) (10. NANSEN, G.C.V.O.,
The Arche Explorer, will take on The

the famous Arche Explorer, will talk on The Pight of Europe." N.B. from London 25. GLASGOW NEWS AND WEATHER

30 CLASSICAL NIGHT OF THE WIRE Library ORCHESTRA, A Night with French Composers, ORCHESTRA: Overture, TO CLASSICAL NICHT OF THE WIRE LESS ORCHESTRA. A Night with French Componers. ORCHESTRA Overture, Jamps "(Lours Berold, born Paris, 1701).

MR. PHILLIP MELSOM, Tenor Will lecture on "Masse of the Period 1225-1558, with missical illustrations by the sectorer MISI CATHIE MAWER, Soprano, OR That I A Is to Esque Cloude Debissay) of I RILLIO REE HIN, Bass of HESTRA is to Esque Cloude Debissay).

Detail A Is to Esque Cloude Debissay) of I RILLIO REE HIN, Bass of HESTRA is to Esque Cloude Debissay).

Detail A Is a Esque Cloude Debissay).

Detail A Is Soprano, ORCHESTRA Soute La R. S'Ammse" Clearest Debis.

MR T. INDIPLIBLE HIN Bass of the St. I NE.

9 W. St. I NO. ANTERIAL NEWS RILLE TIN, BRIADI AST FROM LENDON (offowed by GLASGOW NEWS AND WRATHER REPORT

945-MISS CATHIE MAWER, Soprano ORCHESTRA, Selection, "Carmen" (L. Miss), MR. T. RIDDEL BRECHIN Buss, "When the Kve Come Homo (Traditional); "The Temperer" (L. A Disc). ORCHESTRA

#### THURSDAY.

3 x0 4 30 x AN HOLB OF MELODY by the WELODY by the COUNTY TO THE COUNTY SOUTH AND THE COUNTY TO THE COUNTY TO THE COUNTY THE COUNTY TO THE COUNTY THE COUN

6 SPECIAL WEATHER REPORT FOR TO PERSTENE AL NEWS BUL LETIN BROADCAST OM LONDON 710. M. SICAL WEEKLY CRITICISM by MR. PERSY SCHOLES (B.B.C. Massa

Critic), S.B. from London S. GLASGOW NEWS AND WEATHER

FOR.

FORE ASI
750.—TALK BY THE RADIO SO DETY OF
JREAT BRITAIN, S.B. from London
1. "ANSMISSEN FROM LONDON
15 DIE BAND OF H.M. GRENAPHAR
GUARDS and A. SCENE FROM THE
OPERA FALST," as played at the O.D.
V., London, S.B. from Landon. (SEE LONDON PROGRAMME.

#### UNNOUNCER MUNGO M DEWAR FRIDAY.

3 30.—AN HOUR OF MELODY, by the WIRELESS TRIO.
5.0. A TALK TO WOMEN (a) Brilge-The Cambling Econemi, by MISS JANE RAM SAY KERS (b) Impressions of the Work, 5.30.—THE UNILDREN'S CORNER: (a) William Coes to the Pictures" Port II from "Just William," by Richmed Crompton (Published by George Newbes, Ltd.); (b) Monkey Storics.

Monkey Stories.

6.0.—SPECIAL WEATHER REPORT FOR FARMFRS.

O THE FIRST GENERAL NEWS BUL-LETIN K.B. from - pd v. 10 WEI-KIV F. M. C. L. L. L. L. S. M. R. N. A. KINSON (B.B.C. F. m. Cr. tte), N. B. J. van Leon - pp.

7.25 + 1 186 to NEWS AND WEATHER FEELFLAST

Feath Ast

7 30 Alss EDITH BRASS, Soprano, "The
Little Coom's Prover" (Barbara Hope);
Depuis le Jour" (Charpenter

7 40.—A SHORT TALK on
and Codd Westere," by O's
ALEXANDER BROWN

7 50.—OR (HESTRA, MR EORGE
141 1 HSON 16 TO Reader OR
CHESTRA, MISS EDITH BRASS,
Soprano, MR. GEORGE HUTCHISON
Rumorous Reader, OR HESTHA

9 0.—CLOSE DOWN

9 30.—BECOND GENERAL NEWS BULLE,
TIN BROADCAST FROM LONDON, followed by CLASSOW NEWS AND
WEST DEPUISON, HUMOROUS READER

9 4 FSSI 1 TO THE ELECTRICAL

1 50 A FILLY NOTA (EMENTE

1 50 A FILLY NOTA (E

CRESTRA

1 SO S OCTAL ANNOUNCEMENTS
ANNOUNCER MUNGO M. DEWAR.

#### SATURDAY.

3.30-4.30-AN HOLR OF MELODY BY

5.30—4.80. AN HOUR OF MELODY BY (HE WIRELESS TRIO.
5.0—5.30. A TALK TO WOMEN a Poultry Talk by Chamicises In a fit the Shops, by "The Copy of the Shops, by "The Copy of \$20—6.0. THE CHILDREN 8 CORNER (a) Kirkham Hamilton, "A Hodow Hot." To a and

SPECIAL WEATHER REPORT FOR ARMERS

76.—THE FIRST GENERAL NEWS BUL. LETIN BROADCAST FROM LONDON, followed by Glasgow News and Weather

The Aberdeen Programmes will be found on page 128.

<del>Авания выстановный полужения выстановный выстановный выстания выстановный выстановный выстановный выстановный в</del>



## *SUPERFIVE*

PERFECT REPRODUCTION, SELECTIVITY and STRENGTH OF SIGNALS. In Lock-up Oak Cab net complete wet 120 V H I TWO HIGH FREQUENCY, one H F Rect and two L F power valves

I'wo wander plugs allow of any combination or number of valves Sand for Superime Bookles

COPY OF LETTER FROM NORFOLK dated 19th Suptrember have seen which is a construction of seen to determine the action of the color of agency and the color of the c

periodic by your in the design and results obtained that we we seemfor a next sect.

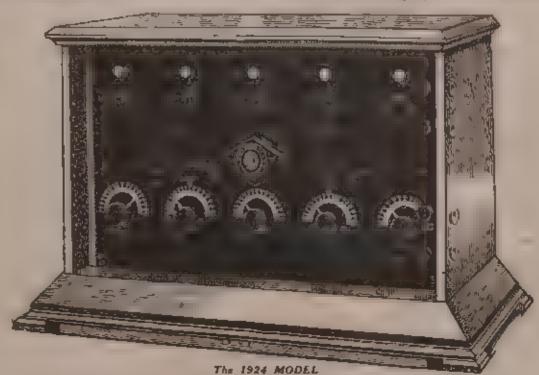
I fail in her and or not not set I wave got traffe. I can get wenty broad atting that no we the good or not all the Stations working at the name time with four interboard a point Catagory (9.4 chairs textice brough one valves) consistent we use Speaker's points. Catagory (9.4 chairs textice brough one valves) consistent with the second and have not be able there textice brough one valves) consistent interpretation in the absence of other mixto. It has used executed in the Standard and second in the Standard and the absence of other mixto. It is dead not not interpretation in the absence of other mixto. It is dead not not all the second of the other mixto. It is dead not not all the second of the other mixto. It is dead not not all the second of the other mixto. It is dead not not all the second of the other mixto and the second of the other mixto and the second of the other mixto and the second of the second o

A an expectation of the expectation to the set of the Son of a not we many of the Arthenius and the set of the expectation of t

#### COPY OF LETTER FROM LONDON dated for October 1923.

COPY OF LETTER FROM LONDON dated for October 1923.

With reference to my coupe new Section gibt remaining the following might be attracted in your Consecutive Properties and the section of the section



As illustrated, including special valves and H T., £56:5:0. Each set with coils covering Buttah Broadcastrog Statsons. Other sets of coils at extra charge.

We manufacture Valve Sets -1, 2, 3, 4 & 5 Valves, also an excellent Crystal Set.

Send for our new Components LIST free on request Offices & Showrooms

Hammersmith 1918 92, Queen Street, Hammersmith, London, W. 6 "Tingvidor London." Chianich Agents The Asken States Works, Ltd., 73, High Steel, W &. Often 5 to 7. Saturdays 6 or

## THE CHILDREN'S CORNER A TALK ON MANY THINGS

#### Conducted by UNCLE CARACTACUS.

ITS awfully difficult to tell you something new every week, isn't it, shidnen? I be seve even the very best queles would run dry of stories if they had to tell them every night, as we wireless Uncless do. Real uncless our protond to be grampy and shut the door when they're busy: they get out of atory telling that way but as early think we owner had temperen, are we? I think we owner all to have medals. Jon't you?

And now, an well as telling stories every day of the week, I have to find something to write to you bender.

I don't think it's quite fair that I should have to tell you stories in this paper, since many of you have never heard of me, and world much prefer to bear something from your very own uncles. Well, very som I hope their will be senting in stories of their own, and then I shall go to sleep or have a holiday until my time comes round again.

#### Dressing the Wrong Way Round.

BIT the week I'm not going to tell anything about wireless. I'm going to tell you about a foreign country

I once saw a whote lot of children in a far away country—called China

Such furniv clakiten they are, from the lattest nes, who are carried about in bundles, to those who can toudle along on their own legs. The Charese methers don't clothe their babies in white, with bits of blue ribbon, as our niethers do they believe in bright colours, and, furnier still, they dress all the wrong way round?

The little girls have trouvers as soon as they can walk, and the little boys have trouvers, too, with short coats—when they have grown up a little bit more they have long coats right down to the toes, but their sisters have trouvers observe, even when they are quite grown up.

So if you were to see a little Chinese girl, you would thank she was a boy for certain. The coats and trousers are hardly ever of the same cofour. The little ones have bright blue coats and pank trousers and then tiny black cotton above and pink socks or they change round and have pink coats and blue trousers.

#### Four Platta Each.

THEY beat all the English children in the thing, they have four plaits! Oh! I know you've got four plaits, too—some of you-but you haven't got one plait down your back, one hanging straight up over each car, and one sticking straight up over your forehead and danging down to your nose! And that ma't all; these plaits have ribbons woven into them—either bright red or bright green, menally two of each.

All the rest of their line is in the ry enert, with a fringe in front, and then when they get older, they do it up in a bun behind and put white flowers in it, fastering them with coral and jade pure.

This hasn't got much to do with wireless, has n. I but I always think that children; i.e. countries must be interesting to British the librar, too, and that is why I have been talking you about them

#### Funny Feeding.

OH1 and one thing more, they don't can with spooms and forder as we do, but with two long than stacks called "chopstacks. The food is put in a big bowl like a possible bowl—and It is mostly rice—rather dry——.

sugar or treacle with it—and then with the bowl held up to their months they shovel in the rice with the chopstacks. Table manners are a little hit different out there, so it doesn't matter if some of the food gets spilled. How would you manage if you had to get all your pounds (form "Red Lane" with a pair of sticks? Try it!

#### A Great Time with Letters.

EYERY week I have put on my table a fist showing how many letters you all write to your various I noles. The various manous have a great time seeing who can get the most letters.

Birmingham usus by wins—but their Uncle to air and the others there are such fine to less, so it is hardly surprising—but, between acceleration Uncles were rather upset a root it.

Still, in London we only answer letters from hephews and meess with birthdays said those who have parties or are ill in bed—and so, perhaps, we could have more if we allowed all sorts of letters to be answered

I believe the Birmingham Uncles are taking an unfair advantage of us by letting everyone write to them. What will Uncle Edgar say to that, I wonder?

#### "Swapping " Children's Hours.

I SAY, children, I've got another idea! What about awapping children's hours? How would, it le if, once a week, we all listened to Uncle Bert, of Glasgow, and then to Uncle Domald, at Cardiff, and then to Uncle Dan, at Manchester, and so on? It would be rather fun. wouldn't it? You see, now we've got

this paper and cofferent Uncles web be writing letters. every week it would be to know hem better don't yes hank so ? I think " conditionage unid tamor eke that, f we tried nery bard.

And ther we could be competition to see while. Unuse the Auster were the most papular

How do you like the gramophone being played of the Children a Hour t Have vegot any favourite recorda? I expect



favourito
recorda?
I expect
you have,
Have you board them?

and if any of you want particular records, you had better write in to your special Uncles and ask for them. I know the Uncles will put them on for you

#### Little Black Sambo.

DEN'T you simply love the story of "Little Black Sambo" we broadcast a week or two ago? Undito't you just imagine the Tiger with a knot field in his tail to hold the green paraset a 1 the other conceiled Tiger with the source daughog from his cars saying, "I'm trace to Tiger in the jungle." What silies the wit

And what becauteful melted butter they must have made for Black Mumbo to make pareakes out of? Don't you love pareakes ?—I do but I never managed to eat 133 like Late back Samuo

New I have no more to ted you this week but Uncle Enoch, from Glasgow has got another tale about the station out Shoos

Here it is

#### More About Scotes.

S COSIE, apparently, did not consider it wise to stop to ask Daddy any questions She remembered that he had a temper, and Out the knowledge that his complexion was now a ready park for the rest of his natural life, would not sweeten him. Terrified, she fied from the house, too scared to take time to bid Willie and Margaret a tearful "Good bye," and for the first time in her life found nerself, homeless, friendless, and alone in a great city. The months which to lowed were dreadful ones for he deserted family pet. Shanned alike by mankind, and by her own forry tribe , for everybody regarded the pink out with fear one enspicion, she discovered that a pink feb-ife was worse than a "dog's life". She pic Bhe picked her meals from the streets, was always to be found near a fried fish and chip shop in the evening, and caused no end of trouble, for when a husband returns home sate at nights, and tells nother that he has seen a pink cat, she naturn ly thrake that he has not spent all the evening at the office !

#### Sad and Sore !

ONE day during her food explorations, a happy chance took Soosie to the tiles of the Glasgow Broadcasting Station in Bath Street, and we are now coming to the bit where she got her bine apota. Soosie, you must remember, had never seen an aerial before, so she regarded that one on the food of the station with a puzzled my, and immediately sprang on to the wires to impact it more closely. She came down much quicker than she went up, heating blue spots on her tout where the pink had been singed off, for I must explain that at the exact moment the Tabby mounted the aerial, it was scorched by a heated argument between Uncle Mango and Uncle Alex as to whether it was teature yet

Sadder, and sorer, than ever. Soosie sat on the slates, probably contemplating on the most convenient way a pink cut, which now had additional blue spots to add to her colour scheme) could put as end to all her troubles.

. To be concluded 1

331

Docan't it al second to a " But don't worry tall comes " bux as a c c pleasant dreams. - Caractarts

#### Listeners. From Letters

[We hope to give an this page med week a section of typical letters from the B.B.C. The points enused by the senters will be 1 1000 wered briefly smoordintely bewith each com-

Impracticable.

DEAR SIR .-- May I suggest that you ask steners if they would peefer the 1 ming meet to be aftered to the afternoon.

I to 4 pair ? Thus, I think, would be more convenient to most anchers, if it will also be observed to vinc. Yours far life.

C. R. L. London, & R. (Until the Lordon fee conciting station is for general Antenneous trans to the Air Ministry Station in Kingsway.- Eo. R. T.]

London Heard in Christiania,

Sire, I just want to send you a few role of my and a few water of I char transpassion from your station. You may pechaps not be aware that we usually receive of O here in Christiana, 1 100 kilometres from I was yest as loud and clear as if it should ares been two miles away, using our standard bydee receiver and a load speaker, and with a further amplification the mostic samply file in

I find it rather difficult to understand severa. writers statements, in different wireless journals. that they are mable to tune out 2LO in London to receive, for instance, ESC. Here in Christiania we have succeeded in tuning not our own local sat on 500 Wett, which, is carry ne on experiments nearly every evening now),

unveilength 500 metres and receive 2LO with very lit le difference in strength. The distance from Christia o Broads said Station is 6 knomelres.

Yours, ele

V B

f met of the

[We are now receiving quite a number of letters from Scandinavia reporting good reception from the severa British Broat cas and Stations. Et R.

A Light Concert Party

Dirig Sin "Having consulted many or my friends, and also be at an an ord otener, may I suggest that dummy the winter, the B.H.C. engage a Concert Party after the style of our friends the "Co-optimeta" to sutertain two mights a wrek, and thereby ensure a good laugh after a brony clay ?

Per a is you would place this suggestion before your analysise audience.

Yours far high a

The establishment of a night concret party for broad ast entertainment is new in hand.

" Radiaud."

DEAR Sth. Why are owners of receiving sets called "listeners in" or listeners"? The tarm, "listener" is applicable to one who fistens to anything and by any mones, but as applied to fistening by wireless the term is narely an expedient. We are often told that wireless in in its infanct one we to wait until



Annuacer (opening the breadcasting): "Hulle, everybody 1"

Tired Telephone Operator (shount-mindedly): "Number, please!"

it conclus in a unit, before the so entired, the ones

I consider that the most appropriate term for one who betone to racho transmission is Realaud." Like all new words, it will sound strange at first; but after it has served its apprenticeship it should find its place in our

dictionary and the foreigner who is study) a our inneutice will there discover the difference between the man who is listening to the street corner orator and a member of the vast unseen

Yours faithfully

Н. Нуамя.

Hon. Secretary Horsey and District Wireless Society

enclosida entropa ar paprapapa proportisti de all'international di international de la compania de la compania



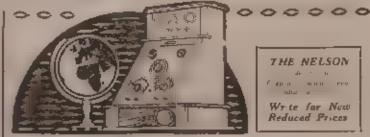
Mounted in a well-finished mahogany case, it comprises t H F valve and t detector. This instrument permits the inflest reacting flowed by the P M G., and will give excellent results on all the British Broadcasting Station:

PRICE £9:0:0

for half fac, 12 5 Marcon Tax \$1 5 6. 2 Value 15 6 and.
Complete with H. T. half v A. malaton on to J. Aranded copper against, 2 insulators, 1 pin 4 con clams 6 adjustees

va Mogneto Co. Willesden NW 18

2-reprodesidabili eggang ng ng ng mang sag mpamanan di mang naman naman ng manahali ng manahali ng 👍



THE NELSON

Write for New Reduced Prices

## Listen in with an Efescaphone

EFESCAPHONE wireless receiving sets are as handsome as they are efficient.

The "Nelson" model illustrated is contained in a handrome French-polished walcut cabinet with a roll front which can be closed down when not in use. The 'phones are accommodated in a cuploard in hose and all wires are set of the way at the back of the instrument.

This set, like all Efuscaphone models, is perfectly constructed. The 3-velve type has a telephony range of 250 miles with headphones, or 75 miles with a loud speaker. For the 2-velve type the telephony range is 126 miles.

l'rite for Catalogue 300 containing fall detail

*EFESCAPHO* 

Reserved to the server of the



Wholesale only: FALK, STADELMANN & CO., LTD. Effects, Electrical Works: 83-85-87, Ferringdon Road, London, E.C.1, and at Greegow Magnifecture and Birm uphare

000000000000000

#### Letters from "Listeners."

(Carlinged from page 126

#### A Corrous Mistake.

Sin.—I berewith send the first column copy of The Rudeo Times. I turned up page 11 is and the second column, and old writer the word "Carnery" from same, as directed by wireless, and I will with the gumes prize to the to pay the fifteen shillings' licence, he Postmaster Grin rai

Yes, we have no money to pay

He are to be a series

I here are to be a series

With anologies to Hamanas

Yours and

Me therwell.

LESTENER

This correspondent is under a reast apprehension that has been shared by other readers. Lestours were not told that they wone or a guesta if they themselves reliterated the word. Carriers from The Radio To but that some comes were sent out with the word already struck out, and that a guide would be part to each reader into whose hands of a copy should full, and who should send it to the Publisher with his or her name are adverses. It is strange that such simple instructions should have been an ansumerationd Pd. R. T.]

#### Friendly Criticium.

Diffe Sta,—May 1 be permetted as an entime test of the programmes broadcast to pass one or two friendly comments on the nature of the entertainment provided?

The chief criticism centres around the class calinghts—not that the public taste lacks the solidy to appreciate artistic mane, but rathe that when produced in bulk it is apt to be—inmore wearisome than entertaining

The nightly talks are massly of such a character that they appeal only to a very kin in comparison with the large numbers of

Programmes generally bat a sufficiency (marth producing rotationment

The dance music is too jazzy—as distinct from the easy and, to the tired mind, the southing rhythm of the older and still popular dances

Criticism is of little service without a magger tion, and in my humble optunin if the programme followed the lines of "request nights," greater entertainment would be afforded to the majority.

8. T. I.

London

#### Against " The Classics."

Sin,—As a latener to your programmes for some months past, I think the limit was reached a Saturday evening band excepted). It is a worder the Thames delot trise and drown the last.

Again, to-day (Sunday)—the wint players, capable and beautiful musicians, but why doleful music a sonates and minutes by composers who have been dead hundreds of years. Are you aware that about eighty per cent. of lateners are of the working class who don't know a sonate from a tomato, but who want to hear good music and sones from aware of modern composers?

Yours, etc.,

London &E. I.

Thesetay evenings have been set apart in London for classical image. The performance of sonatos, etc., will be confined generally to that evening. This will give seven performances weekly free from what is commonly known as "high-brow" mands.—Ed. R. T.]



WAS THE SALTING THE TOOK OP I WAS MADE MATARIES TO DAY

## Why He Was Made Manager

HE was young and ambitions. He took an work seriously. On the advice of his wife, he took up Primaniam, spent an interesting half an hour every ovening with the "little groy books," and enjoyed working out the exercises. His efficiency, enthusiasm, and mental alertness attracted attention. He became confidential secretary to the Managing Director. He made several valuable sog gestions which were adopted in the business. As a concepton, he was promoted over the reads of several of his seniors to the position of Manager. In the ovening he return a moterating on any to tell his wifewaat the second of his confidence of mind-training had done for him.

Hundreds of such cases could be quoted from the reports received by the Pelman last tute. Some will be faund in the book you can obtain free of charge to-day

#### Practice Permanant for half on hour every evening—or on three nights a week—and you will develop just those qualities which will mark you out for speedy promotion.

You will develop Self-Confidence, I plia tive, Concentration, Junguant, Organishty, Organishing Power, a Strong Will, Observation, Resourcefulness, Directive Abusiv, Personality, and a mushle Memory, you will backs those failings which hardcap so many; you will double your efficiency, and consequently your tomate. Program

There is nothing difficult about Pernament Indeed, it is a roost inscharing mental recreation just the thing for the evenings when more arringing stories are apt to be distantiful. The fee is small, can be paid, if distinct, in fustal menta, and will be report to you over and over again in your increased earning power,

The sands of men and women in every wask of the testdy to the Power that Primanism gives. Their atters make wanderful reading. They show how Pelmanism has interest in a Efficiency in every way—how has developed their formalities—how it has developed their Fersonshites—how it has combled them to hold their own (and more

than hold their own) in the fleres competition of Business and the Professions—how it has developed their speaking powers—how it has increased their Earning Power even doublet and trebled it), how it has enabled them to realise their aims, dreams, and ambitious

#### THE WAY TO PROMOTION

Don't stay in the rut! Let Pelmanian show you the way to promotion and successful achievement. Let it increase your efficience and being you to carn a larger moome. It has done this for others, let it help you in the same way. Write in the first place for a copy of "The Efficient Mood," It will be sent you live of coet or obligation, and will tell you just what Permanian is and what it will do for you. Send for this book to the Pelman Institute, 95, Pelman House, Bloomstary Street, London, W.C.L. Use this coupon to-day (or call) and you will receive the book and fail particular by return of poet FREE OF COST.

POST THIS FREE COUPON TO-DAY

To THE PELMAN INSTITUTE, 95, Pelman House, Bloomsbury Street,

Longon, W.C.1

Sta.—Phose and me, grate and post free, a copy of "The Experient Made, with full particulars of the New Perman

Name

Aldres

II compan is sent in an OPEN servelope it only needs ; d. stages. All correspondence is confidential.

## WIRELESS PROGRAMME—ABERDEEN (Oct. 21st-27th.)

#### SUNDAY.

- TO TRANSMISSION FUNDON AND AND AND ADDRESS OF A VAN THAT A SEE TO NOON POR AND ADDRESS OF A VAN THE AND A VAN THE
- 8 % 19.45 THE WHOLE OF THE GLAS
  G W PROGRAMME WILL BE LA AVED
  A W 1.480 W SEE LASCOW
  PROGRAMME FOR ITEMS.)
  - ANN ANCER H & CARRUSHERS

#### MONDAY.

- 330. 430 SEE GLASGOW PROOR SIME 10. 725 DIT O
- 7 % 945 SEE LONDON PROGRAMME
- 9.45 10.30 SEF GLASGOW PROGRAMMS 11.30 CLOSS DOWN
  - ANNUA SUNTON PATERS A

#### TUESDAY.

- 7 Ø THE ABERTEEN WIRELESS TRIO
- 4.0 JOSE 1: WA
- WOMEN'S RAYSH SEEN A USE OF THE WAR WAS SEEN A USE STREETS COLREAN EL
- N William Coes to the Picture

- to I a Just W.F. art W. by B. Construct Construct Gold by Geo. Newmon. L. :

  I of Sule Scripes from H. by P. app. M. K. g. I. v.
  M. Newson
- 60 Class DOWA
- 16 THE FIRST GENERAL NEWS BUL-
- 10 WEFKLY DRAMATIC CRITICISM
  1 MR ARCHIBALD HADDON (B.R.)
  10 annatus (rt), 8.8 from London
- 25 VERDEEN NEWS AND WEATHER
- 30 THE OFFICER WIRELESS OF HESTRY Three Dale Dances" (Wood)
- 45 MISS CHRISTINE RILZ, Mozzo Soprano in Love is meant to Make Us Constitution (b) "O don Fatale" (Fordi)
- 7 5 THE ARERDEEN WIRELESS OR (FESTRA ,a "Austa" (Pollech); (b , av Oceana (Wood), (c) "Siad et a
- 3 ( MISS CHRISTINE CROWN Four a normal Selections from her repertous
- a. 4. The AMEDINAN WIRELESS I SIESTAM (6) than he was I am a so a ). (b) "Les Patineurs Bandon The Flawer tord" (Suide
- 9 of MISS CHRISTINE RITZ Mezzo So is a Hope Sorme Sorg Korn Soft A and Sore Sore,
- 84 MISS CHRISTINE CROWE, Electron of Selections from her Reperture
- 8 . THE ABBRERRY WILL ESS R.

- CHESTEA (a) Value Domain Have a Robb with Vol
- 6.10. CLOSE DOWN
- 9.15 SIMULTAND US BROADCAST OF THE SECOND CENERAL NEWS BUGLE TIX FROM LONDON
- 030.—8 B. from London SEE LINION PRINTAMME
- OT ABERTISEN NEWS AND WEATHER, PURECAST
- 40.20. CLOSE DOWN
  - ANNOUNCER WILL SIMPSON

#### WEDNESDAY.

The Programme is the one given at Glasgow (SEE GLASGOW PROGRAMME

#### THURSDAY.

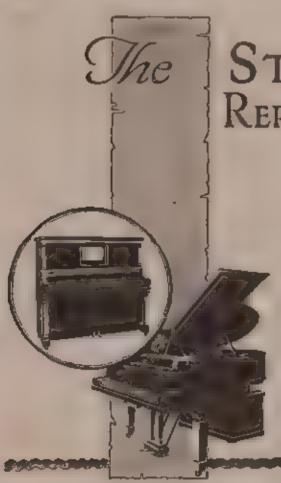
The Programme is the one given at Glasgow SEL LASGOW PROGRAMME

#### FRIDAY.

The Programme is the one given at Chasging SEE GLASGOW PROGRAMME

#### SATURDAY.

The Programme is the ore give a trusged Side GLASCOW PROGRAMME



## STEINWAY WELTE Reproducing Pianoforte

is broadcast daily from MANCHESTER - NEWCASTLE . . . . CARDIFF . . .

Perfectly true and faithful renderings of the World's . . . Greatest Pianists . . .

JOSEF HOFMAN PADEREWSKI PACHMANN LESCHETIZKY ETC. ETC

Grands, Uprights and Cabinets

STEINWAY & SONS STEINWAY HALL-115-117 WIGMORE ST, W.I.

A marvel for simplicity and clearness

CABINET CRYSTAL SET No. 5



Special Features

£2:11:6

e fine si Royn

£2:12:6

Price (wath to a standard see £4:3:0

In a will be a settle white the company of the set of which we will be a set of which the set of th

the western a fame

CRAIES & STAVRIDI, Apollo House, 4, Bunhill Row, London, E.C.I.

#### To Owners of Valve Wireless Sets in London Districts.

Don't buy that new battery you thought of buying!!! Instead, write to us for particulars of a very unique offer.

THE LONDON BATTERY CHARGING & MAINTENANCE SERVICES, 53, Victoria Street, 5 W 1

## IF IT'S MOTORING!

ASK TWELVETREES.

Copt. Richard Twelvetrees, AMIME, Etc. VANDERVELL, 199, Piccadilly, W ' Ger 562

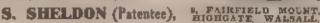
#### "THE SHELDON" SLIP-ON HEADPHONE PAD

The costs could confortable pad up he starket shas a range proved a friend to thousands of

Can led shipped on a soy make a wise her on themer's basyone, is a few seconds. Require and faster in

France ligh and contactable weighing on more

where there is a seather and good quality that he had not not that in your had not had a course of the property of the propert





ESSENTIAL BOOKS FOR THE WIRELESS ENTHUSIAST

NOW READY:

Principles and Practice of Wireless Transmission

By G. PARR.

Denne stor of the Finshing Technical Calles



JUST PUBLISHED.

#### THE POULSEN ARC GENERATOR.

By C. F. ELWELL,

Fellow of the Institute of Radio Engineers, MIEE MAIEE

Demy 8  $\alpha=192$  pp., 120 illustrations, billuspap, y are alex . True 18, or

ERNEST BENN, LTD., 8, Bouverie St., E.C.4.

### Something of Interest to Radio Users

What a Clear Tone!

Value die in in annierna

No more Ear Troubles

Note patent "PNEUMATIC GR 38 e ofe of he head staking pressure off the one

No Pressure on the Ears HYGIENIC. Only one holding band necessary. Specially recommended for adics. No more unitely heir, or entanglement. Can be fixed to any desired position on the head.

EQUIP YOUR RADIO OUTFT

"Brookes (Patent) Unison Headphones" Tyrn Approped

MATCHED TONE IN EACH RECEIVER.

Magnets permanently sensitive, made of Tungsten Steel, carefully agent to an orm magnetic strength, Wannot weaken or lose strength. CTMOST COMFORT Insist on the "BROOKES UNISON."
Sens two Seec Spring or adjustme. Cannot Shp. Light as a leather. Finest quality fines. Extra long Flaxible Cords.

Price 28/- each.

Manufacturers: ART METAL STAMPING CO., 58 & 59, GRAHAM STREET, BIRMINGHAM

## HOW TO WIN

## FOUR VALVE SET

(either complete or ready for assembling)

COMPLETE

WIRELESS LIBRARY

LOUD SPEAKER

AND OTHER VALUABLE PRIZES.

For full details see

THD

## WIRELESS WORLD

and RADIO REVIEW

OCT. 31st

Place an Order with your Newsagent

⇔ TO-DAY ←

or send 5d. for a copy, post pard, direct from the Publishers.

## The Wireless Press, Ltd.,

12-13, Henrietta St., London, W.C.2.

Just Published

The Wireless Diary and Note Book . 1924 -

FOR EXPERIMENTERS.

er we in a to green with

FOR AMATEURS. 

Price 26 net

Price 1 - bet

By Post 1d. ex ro

The finite conjugate of Vinite Sea napped there will be not a sea of continuous for a priority of the conjugate of priority guidance of the Vinite of Sea napped to the conjugate of the conjugat

Just Publ shed

## Wireless Telephony

A Broopl fied Explorer

By R. D. BANGAY

Price 26 act

Post tree 29

Define the new processing the processing processing to the new processing the new process

Just Pubt shed

## Time and Weather by Wireless

By W. G. W. M. ICHELL, BSc., FRAS., FRADAS.

Price 3 6 net.

Post free 3 9

The first of the book set only the cape lines of some lines to go have been also been

The ball part of the book which is the all to be not will challe in annatour to distinguish to different in a new elegantia and or it. It may be not in the most two place before a fixed by the large state height before a fixed by the population of the projects.

Sample dinutation and this fat asti may you can be up now in an arrangement for himse one

## Electrons, Electric Waves and Wireless Telephony

By J. A. FLIMING, MACLS. . 18

Price 7 6 ar

Post free 8 -

The observation of study members in the in-theorem is studied from the in-position of the studied points of the studied from the studied points of the

#### THE WIRELESS PRESS, Ltd.,

DEPT R.T.

12-13, Renrietta Street, London, W.C.2.

#### AND LAUGH! STORIES TOLD BY WIRELESS STORIES TOLD

#### INNOCENCE.

a no a fine ht le feliow " said a man t to on of a friend as be patted the boy on the After chasting with him awhile in parting, "Well, I suppose you are grow up to be a man like your father?

The what ma's alrust of " appropriation fredhed be see

#### SHE WON.

A votice fellow fell in lave with a gerl whi worked in a giove-sluop. He bought and a very day. To discourage his attents of a became a manipurist. He had his units don-

She then gove not tomb a and he now we cat with a source

0

#### THEN THEY FAINTED.

Form old ladges in Bus in nom so ng asel now bringspak Fire first old sanv t a one-valve set and I can get Man hexter

The second out I ve got swe valves ed can get Man -41 F 16 115 ... onn, and Care 6

The third old little sad: "Well, Pre I three valves and ona get a. I the B. B t Stations."

The fourth old sacy who had extended to 1 [ed. said the tembries; thus, then chipped in and said. "I car, a Bucked to the un't She only congoed." better than you all, without any valvee; I put inv head out of the winnow at hight and ne-Chale

Collapse of the other

#### PUTTING HIS POOT IN IT

"Tour woman is the most usful as reas I rouse and the mikl mannered man to his

That lady is my wife," replied the ne glibino "I am write... saul the mike-mannered man... ' she is a good actress atruggling with a rotten pany. I wonder what loot wrute it."

cort in t | per he is a tu bour simply

#### NOT MUCH USE!

THE CO fluing back the Arroy Last to the segme with a foreible remark that the lat er we can authoring from meaning. He wanted . ...... surgeth as more recent than 1910

to go . toy the "Ready Rock me ent in the sergeant income to the sergeant income to the sergeant income serge to iere over two years to my knowled

#### HIS MONEY'S WORTH

He was out with his best girl, and as they strolled into the restaurant he fined to put on an I do-tine-every-evening kind of local Wien they were seated at a table a waite approached them

Man on a care or table d'hôte?" hi asker.

56 th, said the 一般間を young man. put plenty of grave H (11)

#### A MISTAKE.

A NEW BITTER OF Western com-William In The 23 Inc horse H we settedly on the a imal's back before he was off a . ver the horse rend.

Whols th master? asdq the old-town wepicked him op. Why she has

#### NO WONDER!

VH. BREW entered the consultary manual a well-known occurst, and sold . Meester, I cant to get my eyes tested for a pair of al-

The oculast held a printed cord twenty feet from him, "Can you read that?" he assed. I can't do it, messter," said the Hebrew

The oculist then pushed the card to withn-ten feet of him. "Can you read that Yo I can't meesser," said the Hebren So the oculist stack the card right under the

No, merster" and the Hebrew, "I am for I am't never learned to read!



lones "Hang it all, it a too had! There's some idiot oscillating again."

## Reaction

THOROLGH favestigation of the A merits of the different makes of Broadcast Re eiving Sets will quickly aow that for performance the R F H. Rea con Sets , deed order broadcasting (cerce)

by on the area of Mories even a 2.400 to or the perfectly from Köningswisterhausen 630 miles), Paris (330 m.les, the Hoges 5 miles). Landon (110 miles, New castle 180 milest and other c aparant. These results are telephor --not Mark's grads ; they are received on

st s t s t s they are confirmed by letters which of pouring it were work to the 

, valve sots are suitable for loud-speaker

i to be suitable for we of 1 3,000 metres 1/4 ( s are . I in the instrument, and is various ir the whole of this wave lengt to be tre no plug-in co -They are guaranted to tune-out a local broadcashie . . . en if only two or es was the of the co et con the any action of put without valves), with all B B.C. royalties, etpaul, is 25 guineas. 3-valvo, 38 guineas 4 valve, 35 guineas. Crystal Sets, 82 6

Our prices for complete 2-value sets range from 10 gamess apwards

ROGERS, FOSTER & HOWELL, Ltd., RADIO ENGINEERS

EDWARD ROAD. ------ BIRMINGHAM. Til gramp : P 4 Tetephone No. 65.

#### WISDOM: TIT-BITS FROM THE TALKS WIRELESS

Page p bun up a as a must a is far better to appraise the meri's f he produce H 11 s s M

Person is nothing more foolish than to say that currently is an ovil, it is a great virtue. '-LIFTH

A max with hotbres never ans time waste,"-J. F Cump

"Streezery and simple y are fur-laminful arrets to any form of Art — G. A. Atkinsos . n 19

"Once vary shakow people or very reckless neople can be and flerent to the title CHLIE, MA., DCL

In is fear that makes a man go against his conserves rather that stand firm against public opinion. The firstor or Kinggren. · 1 20 3.

The friendship of a dog is a time apar, from that of any other an mal." A time of Same U.B.E.

I ma country has no greater asset annoug he other countries of the world than its repratum for truth-speaks g." BEV. R. F. HORTON M A, D.D.

THE Br tanine Cole a 1 1 1 a a neithfields when he makes the a attempt to converse in a foreign language. Hox Sir Joint A. Cock ... N. K.C M.G. M.D.

## THER PEOPLE'S

WONDERS OF VIBRATION

T IRO. CHOUT the realm of accome at faced with the phenomenon of wave in the second of the same in the er, a through be seen we seek the origin whose a tely small.

it is in his real that we find the explanation

of wireless phenomena, and it is here, also that we must show he the secret of his Whether it which he phase to the chemist of the whether it which he wireless research worker that he will be an allowed and the man and the

#### SYMPHONY CONCERTS BY WIRELESS

NEW feature in the wireless transpression A of mose was introduced when a sysshony concert was proaccast to a latatic the British Incs. The programme included Sant Scens's Vir in Concerto in B Month of the Bassy Kennedy as solused Dec. 10 No. tyre 5 theny and works by Elegaram, Weber Time to me an a started by Mr. Percy Pit.

The transment is far as come be judged at the British broadcasting Lou pany's rooms. ever the end of he though the apparatus does to the end of the decently between the various fraction of the entrometric. It is doubt

playing, one could with certainty dis meant the strings from the wood wind. The tette or have that same combined quality which are seen or in grame phone recording Insteed, it is a question whethe he concerted sounds, once collected a can ever he dispersed again with veramilitude

But the transmission of mone by we be one certainly passes in some more experimental statement of the and the second it will really supposed the common a much plea are to lause who are unable to sais the second of the first

#### GOLD " CAT WHISKERS."

THE importance of a general server est whisker the server est whisker the server explains a server est whisker the server explains a server a server explains a server a server explains a server explain server explains and their reserver to the server explains and their reserver to the server explains and their reserver. acquistment to be mue, and their poir is tarin air and cease to make the a arp and definite. point-contact necessary for a of the first named metals to the results of not tarned read, a and may be used on a great reover they give a much more permonas not ment of the detector ... All a parts far is send, since with many or was a mark of earthal strength not analy-

Should a cat where appear to have not ste of the worth note, a case can be effected by cutting a fragment off its end with a pair of seissors, thus expusing a fresh surface. If the ent is made on the last a corp pour

will result, and further sharpening will be unressure 1

WALL-PAPER AS AERIAL.

HAVE just received details of a new my a ion in connection with w releas of a de-Is novel character. The action of the state a a is more efficient than a the are conductor with a smaller surface area. The inventor isacerable ground, and I have only to mention two of its apporations. The most interesting is the well paper that will sel-us both an aeris, and ar earth. The pattern the paper is picked out with very thin metal I something after the style of the popular Iver lined coding paper a meeting to certain parts of the foil on

paper by means of small orname tol plugs provides both aerial and earth connection There is no reason why this should not provo torsk that it was also prove rather expensive

Dada Wa I

#### NOTICE TO READERS.

"The Radio Times," the official organ of the Best-sh Browleasting Company, IAd in concerned solely with broudensting prowe see and the technical problem.

the time the terminal problem of the secretion of levident televident with the reception of levident televident televiden framed, (See pages 120 and 127.)

#### If Winter Comes-

And all your nights are grey, A "DESKOPHONE" Will charm the gloom away,

THERE I W. cy and Handsome Appear Ind that I 1 ON, 1 onto of T

> " DESKOPHONE " for Purity of Tone.

> > PA TO TO β F ♥ ‡ nom and 4 × re ad e



THE "DESKOPBONE" TWO-VALVE SET (P.O. No. 2020

Tuner, High Frequency Ampuber and Ix vertor, commisse with H and in H T Backery, Aena', Lead to Wire and last datos FRICK COMPLETE

£12:17:6

Price WITHOUT AUCESSORIES 89 17 6. Hornings 22 2:6 Extra. Valors Six a

I . W. FRE STINCY AMPLIFIER. III. h 11 n r · F

1 RI E 94 12 R R a tv Pain V



Stethorn 2368

TRADE SUPPLIED

THE HOLBORN RADIO CO., LTD. 287, High Holborn, London, W.C.1.

## MULLARD RADIO VALVES

for

Perfect Reception.

Rectifies

Oscillates

**Amplifies** 

(see announcement, page 116 )

ADVI. THE MULLAND RADIO VALVE CO., LTD. BALHAM, LONDON, S.W 12.

THE

## All-British Wireless Exhibition

and Convention.

## WHITE CITY

SHEPHERD'S BUSH, W. 12.

### NOVEMBER 8th-21st.

-10 am or 10 p.m. Deits-

#### ADMISSION 1/3

TRADE DAY NOVEMBER &b.,
Public admitted after 6 p.m.

ORGANISED BY

BERTRAM DAY & CO., LTD.

9 & 10, Charing Cross, S.W.I.

Telephone v berroed Zubi, 2004 & Zobi, Telephone v Adherina in 1 and 1 a

THE NATIONAL ASSOCIATION OF RADIO MANUFACTURERS.

# Improved Insulation System in the New Pyramid Batteries Effectively Overcomes High Tension Trouble.

The difficulty of effectively insulating individual cells has been overcome. In the latest models of Pyramid Patteries, the continuals used are first impregnated with a special communal and then the battery is completely billed with the same compared local leghage in this chambard and a steady consistent flow of conent, long life and freedom to the many is assured.

This will be the greatest

Wireless Exhibition over held in the world. The diplay

and demonstration of Wireless will be on a thoroughly comprehensive scale and every possible interest is being catered for. Ample

provision is being made for the comfort and convenience of oisitors. Apart from the

absorbing interest of the

octual exhibits there will

be numerous special attractions amongst which may be mentioned the demonstrations

to be provided by the Braish

Broadcasting Company, Ltd.

		-	rices L		
15 vi	its	£ .		5/6	each
33 vo	lts .			7/6	each
60 vo	la.	-	4	12/6	unth
90 xo	lia .	148	inc	18/6	occ's.



All models are variable appeal at each 3 value and supplied with 2 Warder Plans.

USE WATES' BATTERIES TO ENSURE BEST RESULTS!

Send for our New Illustrated Links.

## WATES BROS.,

13-14, GREAT QUEEN ST., LONDON, W.C.2.

Groms : Zywateseng Westcent,

THE IDEAL VALVE ACCUMULATOR.

No bester recommendation for this Accountiation in the given than that 30,000 of them are of present to use, and absolutely as complaints as to their performance have yet been received.

Prices Complete in wonders care with learner

4 solt 50 amp. (Carriage 2/-) ... 24/6 solt 50 amp. (Carriage 5/-) ... 35/Prices of other was batteries on application.



#### A New Water Accumulator for High-Tension Work or Dull Emitter Valves.

The Eab., Ideal arxinoulates supplied in separate 2-volt Leuris or complete as a 80 volt Battery—the former is expeciency recommended for D.E. Voltan, in siew of its lasting qualities when not in use. The latter is a new deporture in High Tension Patteria and has an advantage over the ordinary or cell because they when their charge for these or buy quantity and use to be a second or in account cost.

#### Women Who Want to Write.

A Broadcast from Landon by Miss Edith Shackleton.

I'm obvious to anybody who thinks the matter over for a moment that in spite of popular fallacy, journalism, especially newspaper work. is not a profession for either cranks or meteors.

It demands steadiness, a sound idea of the normal, a strong sense of balance. Even the woman who goes in for inventing "stunts" must know just how far these sensations are temoved from everyday affairs. And to the real journalist Fleet Street is not so much a platform as a market ground-though it may be as digtrified and benest a market as one likes to have it.

#### The Bust Paid Work.

The ambitious girl who has been attracted to journalism because she is public spirited, or has a deep literary sense, usually begins with a fierce contempt for women's pages or anything that she can label "feminine tosh" but this. I think, is mistaken, and often it wears off when the is able to gauge the possibilities of her profession more clearly. Perhaps the most brilliant and original women do keep to general work, to news reporting or criticism, but the best paid and least precarious positions are these auquired by specializing in women's subjects. The well-known fashiou writers (well-known, that is, in the profession, for the public may never see their names in print) can ultimately pick up the thousand a year which the general reporter never reaches. Moreover, there is nothing to prevent the fashion article from being well written instead of in an absurd jargon and the arts of housewifery are neither unworthy nor uninteresting.

It must not be supposed however that women

never get chances to do general newspaper work on the same terms as men, or that they are incapable of using such chances. There are many women reporters on leading London dailies who work exartly as do their men colleagues, and have been doing so with complete success for many years.

#### How to Bogin.

" But how can I begin journalism?" the girl who thinks she "would like to write," will There is a general idea that there is something mystic about the process, that it requires influence or secret rites. As a matter of fact, and a deplorable fact, journalism is the easiest profession to enter in the world. I know a woman who got a reporting position on a London newspaper because also could amoke a stronger eigar than the news editor-but she has long been survived on the same staff by women who got there through training on country papers or by steady good conduct as outside contributors. For the girl who has just left school, apprenticeship is a sound kies, for even the most brilliant of ex-schoolarls cannot have the general knowledge or experience of life which is necessary before she can be reliable for serious

work on a London newspaper,
"Another way," as Mrs. Beeton has it, is to
take a journalistic course at a university,

One thing I feel I cannot say too emphatically, and that is that there is no projudice against the work of the unknown. The struggling beginner is inclined to imagine that editors have an instinctive loathing for manuscripts and a haughty contempt for the beginner, and that the successful women must be those who have personal introductions or long eyelashes. It is not so. All editors are athirst for novelties.

Journalism is an excellent profession for women. It is, more than almost any other a continued education and it takes one into life rather than away from a

#### Foreign Stations.

L'ECOLE SUPERIEURE (PARIS), 450 metres. Tuendays and Thursdays, 6.45 p.m. to 9 p.m.— Concert.

Saturdays, 1.30 p.m. to 6.30 p.m .- Lectures and Concert.

Daily, at 10.0 a.m., 4.5 p.m. and 8.16 p.m.— News and Concert. G.M.T.

THE HAGUE. PCGG. 1,085 metres. Sundays, 3 p.m. to 6 p.m.—Concert. Mendays, 9 p.m. to 10 p.m.—Concert. Thursdays, 8.30 p.m. to 10.30 p.m. Concert. G.M.T.

RADIOLA (Paris). 1,780 matres.

Daily, 11.45 s.ns. to 2.45 p.m.—Concert and

Naus. 4.5 p.m. to 5.15 p.m.—Concert. 7.45 p.m.

to 9.30 p.m.—Concert. Also Concert from 1 p.m.

to 2 p.m. on Sundays. G.M.T.

EIFFEL TOWER, FL. 2,600 metres.
6.40 a.m. and 11.15 p.m.—Weather Forecast.
2.30 p.m.—Stock Exchange News. 5.10 p.m.
to 5.55 p.m.—Concert. 10.10 p.m.—Weather
Borecast. G.M.T.

#### COPIES OF NUMBER ONE.

Readers of "The Radio Times" who were unable to obtain a copy of No. 1 can now be supplied on sending Three Penny Poetage Stamps to the Publisher, Gao. Newnes, Ltd., 8-11, Southampton Street, Strand, London, W.C.2.

#### PUBLISHERS' NOTE.

RATES OF SUBSCRIPTION to "The Radia Times" (including postuge to any part of the world) SIX MONTHS, 6s. 2d. ; TWENT MOSTER, 13s, 6c.

Read the Special

article by

IRELESS



STAND BY FOR PLEASE !! BEE INVENTION CALLINGIII

BOYLE'S Patent Water Heater Provides INSTANT HOT WATER FOR BATH OR KITCHEN,

WITH OR WITHOUT GAS.

It is portable, and easily transferred from Kitchen to Bathroom.

Connected to your own ank or bath tap on gas ring or Primus Stove and gives IMMED!ATE and CONTINUOUS flow of HOT WATER. by means of rubber tube and union, it stands

It provides an excellent hot bath in fifteen to twenty minutes, costing a hallpeimy for gas-

PERFECTLY SAFE AND GUAR-ANTEED NOT TO GET OUT OF ORDER.

No fumes. No flue.

From 45 - to 63 .

C. BOYLE & Co., Patentees & Manufacturers, 10, GREAT NEWPORT STREET (adjoining Leicester Square Station).

Call and are throu working.

FOR SECURING YOUR AERIALS and a Thomsand Purposes where Great Strength and Strain is needed.

#### Flexible Steel Wire Rope.



of 18/2 and

80	10.00	SE DESTRUCTION IN	PRINTS	DESIGNAL EXIST.
	20%	Pion.	Discharge in	Fey 100-th.
	an :	3.19 to	Serve.	Al-
	110	- 3,70 th.	Market.	0 /
	- 3	\$ 3a.	SOLENC.	460
	pl	Arresta.	291.003	10
	15	3.31 m.	Chief.	12.
	- 0	# III-	Shires.	540-
	0	6/813a	100VL	25
	7	23.99 mg.	Milliows.	30 -
	4	0.00	TIME (WIL	23
	. 0	Million.	349	79:H

solds above, that accorde-band threads \$6, as book 8/8 per des.

SMITH & ELLIS (Dept. 14).

#### SAFETY FIRST!

Protect your Wireless Set with

ROBINS' Combination Lightning Arrester and Leading-in Tube

Provisionally presented
No Windows Sat or Listeners in sale from Jothning without 2.

PRICE 3/6
Postago Sd. calcut.

In he had from any Wireless Dealers are direct from the February and Manufactures.

DEPOT & INSTITUTE, LTD. CARDIFF.

**CASH PRIZES** 

and try for the

small fortune in

every week in

T-R

On Sale Everywhere-

## GECOPHONE

Important Announcement



## Substantial Reductions in Price

The invaluable experience good by the G.E.C. during the past year in meeting the inproceeding demand for GECOPHONE Sets has resulted in reduced manifacturing costs, and this, combined with the lower B.B.C. tariffs, has enabled the following substantial reductions in prices to be made as and from October 1st, 1921.

				PRICE			PRICE			H. H.Q. Turiff		
No. 1 81	ECOPHONE	Crystal	Set	26	18	ū	34	10	0	н	1/-	
No. 2	.13		h	9	15	0	- 2	10	0	м	1/-	
2-Valve		Ses	100	25		0	20	0	0	÷	57/0	
Bingle !	Stage Amp	Ufier		T		0	5	10	6	×	3/-	
Two St	ige Amplil	line	344	15	10	0	- 11	10	О	4.	10-	

The same superlative quality that has characterised the manufacture of GECOPHONES since their inception will in every way be maintained.

**OBTAINABLE FROM ALL WIRELESS DEALERS** 

Manufacturers (Wholesale only):

The GENERAL ELECTRIC Co., Ltd. MAGNET HOUSE, KINGSWAY, LONDON, W.C.2



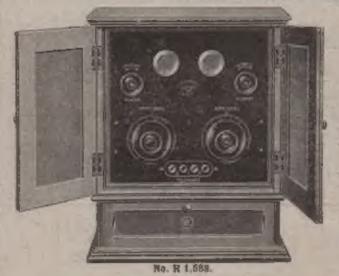
Provides in all friendful forms then about Oreal Section and at all important movelets of the



BUY BRITISH GOODS ONLY

#### TWO-VALVE LONG RANGE RECEIVING SET

With Anode Tuning and Reaction.



WHOLLY BRITISH MANUFACTURE

Highest Grade Instrument with Variometer Aerial Tuning, H.F. and Detector Valves, and fitted with Metal Panel to prevent Hand Capacity Effects.

A range of 100 miles is claimed for this Set, but we have evidence that this can be easily doubled, and under favourable conditions all British Broadcasting can be received. Good reception is also possible in localities intuity termed "blind sputs."

In highly finished walnut cabinet, complete with two DER valves one pair No. R1228 "Sterling" super quality Head Telephones (2000 ohm), one No. R7902 H.T. Battery in base, and all connecting leads, plugs and such is-

#### PRICE - - £22.

B.B.C. Tariff ... ... 17 6 estra net. No. R7908 L.T. Accumulator, 2 volts, 40 amp, baum (actual) ... £1 6 0 Obtainable from all fiscirleal Dealers and Stores.

#### STERLING TELEPHONE & ELECTRIC CO., LTD.,

of Telephones and Sum Appersion etc.

Telephone House, 210-212, TOTTENHAM COURT ROAD, LONDON, W.I.

MANCHESTER:

BURMINGHAM CARDIFF 150, Edmund Street.

10. Park Place. 14, St Peter's Square. NEWCASTLE ON TYNK 21. Mosley Street.

WORKS: Dambam, Ess.

#### Buy British Guaranteed Ethophone Brog Wireless Apparatus.

AS a result of the New Post Office Regulations, we have been able to amend the prices of our Broadcast Receivers as below :-

No. 5 S. Ethaphane Junior Crystal Receiver	63	ò	-
Earen Broonleast Tatill	£g	10	0
No. 501. Eskaphane No. I Crystal Receiver	422	0	- 8
Eutra Broadcast Tariff	Ell	121	П
No 510 Eshaplinge Popular Madel, complete with self-	200		
contained IIT Bottery	213		-
Extra Boondonst Turdi	EB	17	Đ
No. 119 VA As No. 350 complete with Valves, Battery,	***	-	п
Accumulator, Interiores and Agrial Equipment	613		0
Lavra Henndeseat Lurifi	U.S.	17	0
No. 525. I huphone Speech Amplifier, compilete with two special	-		ı,
Valves and sell acquired 125 vals Browny E stys Broadenst Tariti	120 5.0	10	0
	20	14	12
No. 596 Echophone IV inclusive of 3 M O. Valves and High Voltage Battery	£30	0	ē
Extra Broadcast Turif	13	3	6
No. 547 Ethophone V. inclusive of 4 M.O. Velves and High			ı
Voltago Barters	635	-0-	-0
Easten Brondenst Taxis	121	7	6
No. 520 Ethaphone Power Amelifier, includes of 2 1.52			
Valves and videoft High Tensus Statlery	527	0	-0
Fater Bennalman Tantil	6.0	400	III II

BURNDEPT LTD. Head Offices Aldine House, Bedford St., Strand, W.C.2.

Phone Gerard 7794. Also at Leeds, Cardiff and Newsante.

NIRELESS APPARATUS



BURNDEPT Wireless apparatus is wholly BRITISH made from BRITISH materials by BRITISH Craftsmen.

AT various times announcements have been published, telling of remarkable long-distance receptions on Burndept Ethophone Receivers. American Broadcast reception is quite common; but we will not guarantee it. Locality plays such an important part. Continental Proadcast is practically a certainty. All Burndept Ethophone Valve receivers are guaranteed to receive Breadcast in any part of the country. A printed guarantee is attached to all Burndept Sets.