

# THE OFFICIAL ORGAN OF THE B.B.C.

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[O P.O no a Sewapaper ]

EVERY FRIDAY.

Two Pence.

# OFFICIAL PROGRAMMES

# THE BRITISH BROADCASTING COMPANY.

For the Week Commencing
SUNDAY, MARCH 9th.

LONDON ABERDEEN BIRMINGHAM

CARDIFF

GLASGOW

BIRMINGHAM MANCHESTER BOURNEMOUTH NEWCASTLE

SHEFFIELD (Relay)

#### SPECIAL CONTENTS:

TERRORS OF AFTER-DINNER SPEAKING.
By Lord Riddell

THE FADING OF SIGNALS. By P. P. Eckenday

WIRELESS IN THE MIDLANDS. By Arthur R. Burrows.

OFFICIAL NEWS AND VIEWS.

HOW TIME IS BROADCAST.

CALIFORNIA CALLING!

THE CHILDREN'S CORNER.

LETTERS FROM LISTENERS.

# Concerning Mars.

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

THERE was an article in these pages recently entitled "Seeing the World from an Armobair," and it dealt with the subject of television. Wonderful as are the results achieved by the transmission of sound by wireless, the portrayal of sights and scenes by the same method will be further reaching still.

There is little doubt that this transmission is theoretically quite possible. One has to look at the facts: vision is due to the impluring of light mays on the retins of the eye. Seeing however, that light and electric vibrations are identical in their essential details, it is obvious that there can be no fundamental barrier to converting the one into the other for the purposed conveyance. How exactly this is to be done effectively and economically is only a matter of time. One can get a blurred image to-day. Wireless telephony was possible many years before it became a practical proposition.

By the means the pairs and even forcuts of separation will be besented. Journeyings in foreign countries and residence in the tropics will lose many of their drawbacks. One can foresee also great educational advantages resulting from television. New landscapes, mountains, seen, river boundaries, basy towns may all be presented to breathless classes of children in their schools. To them may come direct living pletures of strange animals, rare birds, quaint costumes and queer matterns, the varied types of the lumns species, colossal architectures of distant lands and bygune agen. How aliering and fascinating to see such things as they really are to-day, from the schoolrooms of London, Guagow, Manchester, and so on.

But what interests one even more is that the possibilities of vision are not bounded by what this world affords. The world is a small part of the solar system, which again is infinitesimal compared with the universe. And when we can see by wireless we may be mormously farther on in our attempts to communicate with places beyond this earth—for example, with the planet Mar.

I am quite aware that with our present limited knowledge of electricity it might be considered idle to apeculate on the possibility of comnumicating with a place so far away as forty million miles, seeing that the greatest distance which has been available for experimenting so far is the greatest distance earth offords, namely, 12,000 miles.

But when the say comes in which we are able to unlock the power stored in the atom, it should then be comparatively simple to project electric waves for more than the distance between us and Mars. The blanketing by our some electrified atmosphere and the possibility of there being a similar one round Mars presents one of the most serious burs to practical achievement.

Now, the point is that while we could not hope by any system of turning off or on giant lights (as their wave-length is probably too short), or of making designing nonces (because there is no intervening sir), to attract the attention of beings stationed at such distances, we could do to by wireless. By means of telephony we might, provided the Martians have cars corresponding in atructure to nurs, attract their attention to our sound signals.

Words would, of course, he uscless, being no more intelligible to them than Morse code without the key. And it would be impossible to make them know what we wanted to convey through any sounds we might make, not though we need all the languages on earth from China to Pers and tried for a thousand years. It would, however, be interesting to try the effect upon them of different tunes, different contrasts and combinations. In the greantime Mors

(Continued overleaf in column 3.)

## Arrested For A Song.

#### The Story of "The Exile of Erin." By A. B. Cooper.

ONE of the most pathetic of all Irieh sough anough, it was penned by a Scotsman, Thomas Campbell. A curious story is told concerning this celebrated song. Campbell was souring the Continent, and at Hamburg met Anthony McCann, exped from his native country for being implicated in the Islah Rabellion of 1798.

Campbell had always had a strong affection for the Emerchal Isle, and in addition to "The Exile of Erin," he wrote "The Irish Harper and Itis Dog Tray," as well as "O'Connor Child," so that his strong sympathy went out to McCann, and a little later, at Altona, he wrote this fine song, and sent it immediately to the Morning Chronicle, where it was published.

There come to the beach a poor exue of Erm,

The dew on his thin robe was heavy and chiff:

For his country he sighed, when at twilight ropauring

To wanter alone by the wind-beaten Toll.

But the day-star attracted his eye's sad devotion.

For it rose u'er his own native isle of the

Where once in the fire of his youthful

emetion, He sang the hold anthem of "line so breach!"

"Sad is my fate!" said the heart-broken stranger; The wild deer and welf to a covert

can flee, But I have no refuge from igmine and

A home and a country remain not to

Never again, in the green sunny bowers, Where my forefathers lived, shall I spend the sweet hours, Or cover my harp with the wild-woven

And strike to the numbers of 'Erin go bragh!'

Erin, my country | though and and for-In dreams I re-visit the sea-beaton

But, also t in a far foreign isnd I awaked, And sigh for the friends who can most

me no more !

Oh, cruel fate ! wilt thou never replace mo
In a mandon of peace—where no parils
can chase me?
Never again shall my brothers embrace

me ?

They die to defend me, or live to deplore."

Its oppearance gave offence in exalted quarters, and when presently he landed at Dover, he was immediately arrested as a French spy. Those, of course, were war times, and any stick Those, of course, were war times, and any stick was good enough wherewith to heat enyone suspected of being "agin the Government." The magistante before whom the post wan arraigned searched his papers, and among them—what do you think he found? The manuscript of one of the finest patriotic odes in the English language, "Te Mariners of England." One poem atsend for the other and Campbell was at one liberatest.

But Campbell had to foce another form of

But Complell had to face another form of worry over the same beautiful, but unfortunate, song although at a hier date, for he was soused in the public Press first of actual literary theit, and then of deliberate plagiacism of the work of George Nugent Reynolds.

To in periali that Reynolds never made any complaint, rauch less that he claimed to have

written "The Exile," but his champions seem to have discovered a similar filt in the song to one which was admittedly Reynolds's, the first verse of which runs as follows :-

Green were the fields where my forefathers dwolt. O.

Erio, ma vourneen i slan leat go bregh ! Brough our farm was small yet comforts we řelt. O.

Erin, ma voumbon! occ.

At length come the day when our least did expire.

And fain would I live where before lived my

But my well-a-day, I was forced to retire.

#### Defending His Authorship.

It was said that Reynolds actually wrote "The Earle" as a second part to this doggerel.

Internal evidence suffices to dispose of any such accusation, for Reynolds could not have written "The Exile" if he had been offered a thousand pounds for doing it, because it is a work of genina and the production of a great Nevertheless, Campbell was driven to defending his authorship in the Times news paper, his reply appearing on June 17th, 1830.

Campbell himself had the opportunity of claiming a poem which was not his own, for when a fatnous Edinburgh journal copied a pecta from an obscure Irish paper, a poem entitled "The Burial of Sir John Moore," new knows to be the work of an Irish parson named Wolfe, and that without signature, almost everybody jumped to the conclusion that it was Campbell's work and would hardly believe him when he denied it.

#### Concerning Mars.

(Continued from the previous page.)

would be kept under minute telescopie observation and the varying effects noted.

On the other hand, if we transmitted to Manpictures of, say, animals along with their Rapiranto names, if the pictures corresponded even roughly with similar objects in Murs. the inhabitants would soon connect our sounds with the objects known to them, and be able in time to answer in, provided, of course, that they have our knowledge of electricity, which is not an impossible assumption, and previded their eye and brain equipment is comparable with ours. It may all sound far-fetched, but The stranger things perhaps have happened. discontinuents of to-day lead to the discoveries of to-morrow.

Perhaps even now the Martians, labouring under the impression that ours is a more congenial clime than theirs, are proparing rigantic beavier than air machines to transport themselves bither in bulk. Let us warn them, if we can, that the climate of this part of the globe leaves much to be desired, and that anyhow all London is booked up for the period of the Wembley Exhibition.

It all might had one to think that the Martians. who may have advanced further in scientific thought and technology than we have, might give us in the end a method for producing atomic energy. More awful, perhaps, is the thought that owing to a code failure this mothod might be wrongly applied, and that an atmospheric marring our reception should cause the eventual disruption of the planet we call the Earth !

#### Calling! California

#### When to Listen on Sunday Next: The B.B.C.'s New Experiment,

TO-MORROW, March 8th, or, to be more accurate, in the early morning of Sunday, March 9th, a special test transmission will take place from California in an attempt to get across the American Continent, and across the Atlantio, too, so that listeners in England will be able to bear a programme from

a station about 0,000 miles away.

The station argumenting the programme is KFI, Los Angeles, owned by Mr. Earle C. Anthony, of California. This station is the one with the greatest range on the Californian roast, and is heard regularly on the cast coast of America.

The programms has been arranged to take place from 7 to 8.30 p.m. Pacific time on March 8th, which corresponds to 3 to 4.30 a.m. on the morning of March 8th in this country. It will be received by wireless and co-tenneuitted from the east American coast,

#### From Bggin Hill to London,

If conditions are favourable, there should be no difficulty in picking up this re-transmission. and listeners with three or four valve acts may be able to hear this direct from America,

Should we receive the transmission successfully, and more or less free from atmospheries, it will be sent from Riggin Hill by land line to 21.0, and will then be re-transmitted simultaneously from there and from all the other B.B.C. stations.

Original errangements were made for the station at Hastings, Nebrasks, to relay the programme by wireless from Los Angeles to New York in case transmission did not get to New York with sufficient strength.

at the time of writing, it is not known whether this intermediate station will be used or not in this experiment.

No details are yet to hand of the kind of programme that has been arranged, but it will probably consist of announcements and cerchestes.

Another experiment of great interest will be made on the night of Murch 13th, when we shall attempt to transmit a special programme to America. The Savoy Bands will play until midright, and then again from 1 to 2.30 a.m. on the morning of the 14th inst. Transmission will take place from all stations, and full publicity has been given to broadcast listeners on the other side of the Atlantic, Special efforts will be made there to receive our stations.

#### Two-Way Communication.

In the interval from midnight to I a.m., when the Savoy Bands will not be playing, an attempt will be made at two-way communication between this side and the American side. The first attempt to do this was made on the morning of December 2nd but year, but was unsuccessful owing to bad atmospheric conditions. On that occasion it was impossible to fick up the replies of the American stations, although the British atotions were heard in some parts of America. in riv well.

The procedure will again consist of calling up America for ten minutes, and awaiting her reply

during the part ten minutes.

Il so-operation is obtained, and suitable conditions exist in the atmosphere, there is no reason why the experiment should not be successful.

#### How Time is Broadcast.

#### The Big Ben and Greenwich Signals.

THE uniformity of time divisions is recent development of civilization. We all know that the seconds and minutes of time are identical in all parts of the world, and that it is only chek-time which is divided and regulated for the convenience of near

A bandred years ago in our own country uniform time was anknown. The clocks to both Homes of Parliament, as Sir Frank Dyson, the Astronomer Royal, recently pointed out in a broadcast talk, and those of the Horse Guards, and St. James's, were regulated by the carriage of accurate time from the King's private observatory at Kew, established by George III. In the country generally, the time was kept in a very rough and haphazard way.

#### Guaranteed Accuracy.

To-day, every home with wireless receiving apparatus receives direct from Greenwich the nest accurate time in the world, and receives, too, time broadcast from Big Ben, the 320ft. tower or Westminster.

Every day, the Greenwich clock, by means of refined observations of certain stars made during the previous night, is adjusted to mark accurate time, and it is this clock which now ticks in the home of every listener. Before the minute of time to be recorded, the preceding tive seconds are heard as clicks; the time signal tiself, falling on the exact zero, is heard as a louder click than the others. These cheks are mitted to touch a spring with six successive teeth. This makes an electrical contact, which Committee current direct to the 2LO cerial. The personal factor is thereby entirely eliminated. and accuracy is guaranteed even to the fraction of a second.

#### World's Most Accurate Clock.

Big Ben is a more remantic time-keeper than the Greenwich clock, and its signals are probably awaited by a greater number of people than these of any other clock in the world. Despite its age, and its exposure to every inclemency of the weather, it has proved itself to be remarkably necurate, and the Astronomer-Rayal in his report last your stated that during the year 203 eignals were received from Big Ben, and on only there occused was the error as great as three seconds. On 90 days it was one second, and on 100 days less than half a second.

This accuracy would have delighted Sir Benjamin Hall, who, as Chief Commissioner of Works, was responsible for Big Ben's construction in 1856, when it was stipulated that its errors should never exceed 5 seconds ! The signals from this cemarkable clock are broadeast from the lower itself by means of a micro-phone connected by land line direct to the transmitting station of 2LO, and there by land line to all station.

#### Time Signals Abread,

Time accuracy is an important factor in modern life, and this new wireless service is greatly appreciated. Distribution of time by wireless was, however, done in January, 1905, by the Naval Department at Washington, and from 1910 Eiffel Tower has sent out regular time signals. Those, too, sent out from Bordeaux on longer wave-lengths and with gerater power can be heard half-way round the world, and are invaluable to all sea-bound traffic.

But this ignovation of domestic time menalling is new to home trade and commerce, and it will be interesting to know what the nation has saved in a year's time as a result of utilizing the simple apparatus of wireless science in the sal

## Wireless in the Midlands.

#### By Arthur R. Burrows, Director of Programmes.

Mr. Burrows is making a series of visits to the areas served by the several B.B.C. stations. He has provided to give to "The Radio Times" impressions of his tour.

FEW minutes to midnight on Christians Eve-the one hour in all the year specially dedicated to happy childhood—several ghostly figures, one of them bearing a remarkable semblaneo to Father Christmas himself, might have been seen climbing about the courtvard of a Home for Crippled Children about seven miles from Birmingham.

The spectres were in reality the Uncles and Engineers of the Birminghum Broadcasting Station, justing the finishing touches to a series of pleasant duties, by installing the serial for a wireless set which now provides pleasure for over 200 little eripples.

Midnight on Christmas Eve, you may say, is a reliculous time at which to fix an aerial. It was not an ideal time; but a promise had been made, and the promise would be kept. As a matter of fact, the party concerned had only just finished a task occupying many streamons any reedit for what happened is due solely to the children who listen for the greet ugs cach evening at balf-past five-some 0,200 of which are already members of the Birmingham Radio

As an example of this beautiful spirit of unselfishness in the Midlands, I give the plain story of the manner in which a little glid of three responded. (She arrived at the Birmingham Studio one afternoon having dragged up the long flights of Stairs her favourite pet, a teddy beer as hig as herself.) The moment the idea of contributing toys to sick children was grasped by her, she turned to her mother with the words: "I must send my best toy, mustn't I t'" Her mother's raply was: "Yes, dear, I'd like you to send it, but you won't cry for it,

will you !"

No, inventory." said the little one, and
"No, inventory." it was.



BIRMINGHAM STUDIO.

PRINCI WIGHT EINTS: Co., LM

nights at the end of the evening programmosthat of distributing 5,000 toys amongst the several Children's Hospitals in the Birmingham

It was a chance remark by one of the Aunties at 56T which started this flow of togs to the Birmingham Statios. A doll had been sent to the organizers of the Children's Hour, and it was suggested that this abould be forwarded to a child less fortunate than those who usually listen. The suggestion went straight home to the warm-hearted Midlanders, and for many days following, postmen struggled up the stairs into the Hirmingham Studio bowed down by early crammed with toys.

#### Sorting the Toys."

Then came the task of classifying them. Night after night, when broadcasting was done, the Aunties and other volunteers applied them-selves to the work of socing that blind children received only such toys as would give them pleasure through the sense of touch; that children suffering from spinal complaints would have the lightest and softest of the gifts; that the deaf and dumb would not receive nusical toys, and that those auffering from nervous complaints would receive only things of an unbreakable character. On the day for distribution, the several sacks of toys so classified were placed on a motor-lorry and delivered by "Father Christmas" to the various hospitals. Over 5,000 children were made supremely happy on Christmes Eve.

It has required some cross-examination on my part to get these details from the Birmingham Aunts and Uncles, but they are insistent that

When the afternoon came for Teddy's delivery to 5IT, this little toddler carried her toy proudly to the New Street Studio, kined it, and placed it on the heap of children's gifts with a heartscarching and angelic smile,

#### The Human Touch.

I have chosen these incidents with which to open my impressions of wireless in the Midlands because they indicate something of the Station, its listeners and the communal interests of the area served by the station. The wall of the studio behind the microphone at 5IT is covered with pictorial tributes from listeners of all ages, and such tributes do not come from lokewarm hearts. Strong bonds exist between other stations and their listeners, but they are not all of the same form.

Choral singing is a great feature of the Itir-tingham area. I dare not suggest that it is minghom area. I dare not suggest that it is more fully developed even than in South Wales, because I have to visit Cardiff shortly and a lot of damage can be done with a lump of authracite; but there are choral societies in

anthracite; but there are choral societies in and occured Birmingham which, though rarely heard at competitive munical festivals, need have no fear in attending the best of these. It is natural, therefore, that the Birmingham Studio should make a feature of choral work. Mr. Percy Edgar, the versatile Station Director, is foctunate in having the collaboration of Mr. Joseph Lawis (the conductor of the Birmingham, Welverhampton and Walsall Chural Societics), who has built up, with the assistance of many popular received in oil 2.

Continued gradesf in col. 3.)

# The Fading of Signals.

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

WHAT I am going to say should be of W special interest to those who live some 50 miles from a boundess station—those unfortunates, in fact, soon to become fortunate. if and when the high powered station springs into being, and England, Wales, Scotland and Northern Ireland become covered with broad-

Many may have experienced fading, so called. living near to a main attation, but this is a different sort. I am not going to confine myself to true scientific fading. To some it may come as a revelation that non-uniformity in broadeast is neither our fault nor theirs.

I give you now a pen picture of what fading away means.

The Bugbear of Inconstancy.

Bitten by the universal era e, lared into the hobby by sleep-denying triends, clutching at a straw to divert him from the trivial round, the common task, our hero, for the first time, decides to make himself or buy himself a wireless set. When the last screw has been driven home with a hammer, the neophyte arrives at the great evening, and he starts to tune.

On the third night, when he has altered all the connections, only to find he had a disc in the high tension all the time, he suddenly sweeps in a research of cut calls on to a voice. It is broadcast, he has begun. Twiddle, twiddle, scratch and adjust, and at last be has it to his satisfaction, and he turns his head to call admiring stations. As he turns, the signal di s, his hands sy to knobs; but before he has touched a thing, behold the signal at its pristine strength. He turns again, but the sounds have died to a whisper. Let us draw a vail over the rest; Inconstancy is his bugbear, do what he

The R0 sig he acts his heart upon Starts fading, or it grows load, and anon And iwist the various handles as he may, The signal that he heard awhile is gone.

Nature to Blame.

He then sits down and writes to me, and this is the letter I send back :-" Dear Sis."

"You complain of signals constantly varying in intensity. This is due to causes over which neither yourself nor ourselves have contrek It is due, in fact, to a natural pheusisemen. and has to do with the electrical constitution of the upper atmosphere. You must realize that some twenty miles above the sarth a surface there is a layer of electrified and excited air which acts as a sort of reacctor to wireless waves. It is almost as though a copper about were empended about twenty miles above the carth s curface. Owing to natural causes, the resecting power of this conductive sheet varies from time to time, just in the same way that a mirror respects excellently at one moment, but when one breathes on it, becomes dina

"You must imagine, therefore, when you are receiving at great distances that occasionally a sort of mist forms on this re, ecting mirror, marring its renewing properties, and, therefore, weakening your agnal. This is, of course, only theory; but it is a good theory, incamuch as there are very many other experimental correborations, which it is rather outside the uphers of this letter to go into now. The effect takes place at distances probably over 100 miles, and gets more and more marked as the distance is increased.

This is not to may that fading cannot be noticed at shorter distances, but it is more. The only way we could possibly get over the effect would be to increase our power tentoid, in which case, I doressy most of the areas in

England would be fairly free from 'fading,' as this effect is called. But we cannot under the terms of our licence do this,

The effect is more apparent on short waves. and is probably more likely to occur at night It is one of these natural phenom us that one is up against in the art of wireless, and one can give practically no advice as to how to overcome it. One can only be patient and hope that some discoveries may be made in the future which will, at any rate, minimize the effect.

Effects of Daylight,

To sum up, you are indebted to this electrified layer for much of your signal; so the layer becomes more or less a good rejector, your signals become louder or weaker.

It is very likely that during daylight the powers of re-cetion of the electrified layer may be considerably impaired, and signals will probably be consistently weaker during daylight.

A last word of warning. An effect like tading may take place if your serial is very loose; you are using intensive reaction and causes are acting to make your asrial sway."

But this does not exhaust the subject for there are those who write from the suburbs and complain of fading, especially during outside broadcusts.

Now, they may be right, but no layers of electrification are responsible, no subtle resections, and there are no manifestations of Nature to confound our efforts.

A Special Microphone.

When we do an outside broadcast, we metall at the place of outside broadcast one of our special microphones. This fice upon the centre of the stage footlights or is cushiened upon a white table-cloth covered in flowers or hung pendulone from the emate ceiling of a ballroom. No engineer in even the most faultless evening dress is there to watch it; no illusion must be spuilt by apparent mechanical sids. Thus, our trouble, because the after-dimer speaker may lower his voice, shout suddenly or turn his local this way or that. The stage-manager produces his play for the few hundreds of his audience in his theatre; the lazz band plays for the fifty couples who dence in the ball-room.

Thus most an engineer hang on to his controls, raising the weak passages or avoiding blasting, and it is the impossibility of keeping everything to a dead level that constitutes fading near by, a trouble that is only surmountable by making the receiver have a sufficient factor of safety.

Study the Receiving End.

Pading ! Yes, there is a last type of fading I haven't mentioned—the fathing of interest among our listeners. I commend you to Mr. Reith a article where he abjures you not to expect too much even in any age of miracles.

The power of relay stations is 100 watts and soon a campaign starts for 500 watts (or, it sound better as half a kilowatt.) give you America and you want New Zealand. When the big station goes up, I know you will want the power of that doubled. It is good that it should be like this. Never let it be thought that we are not looking for improvements siways. The stimulus of your wants will be the spur of our ambition. We can never be the spur of our ambition. We can never satisfy you but, because of this, don't be unreasonable, and if you think our programmes dult or our quality poor, study the receiving end as well.

There should be no need for fading with the new high powered station, and a factor of safety, mental and technical, at the receiving end.

#### Wireless in the Midlands.

(Continued from the provious page)

a station repertory company having dulimited enthusins w.

The Birmingham Station has also in its Assistant Director, Mr. Cascy a buritone of exceptionally rich voice and extensive repe-

#### From Lone to "Lors."

There is also a newcomer to the Birmingham staff expected to increase greatly the interest in the Women a Hour and give an oven wide appeal to the Children a Corner. This is Miss Barcroft, a composer of no mean ability, who numbers amongst her experiences quite thrilling adventures with Bons in Kenya Colony-once known as British East Africa. Miss Harcroft will endeavour to interest the "lions" of the Midlands in the Birmingham Station.

Statistics in relation to broadcasting require coreful handling, as it is often difficult to classify a town under any one particular sphero of in, cence; but it is worthy of note, and I think a fair index of the popularity of the Birmingham Station, that in the month of January 5,000 licences were issued in the Bermingham postal area cut of a total of 44,000 odd for the whole country. The more interes ing are these figures when note is made of the fact that in the beam of Birmingham alone, about 37,000 people are still receiving the "fiole" by reason of unemployment.

Black Country Blanks.

Despite the fact that the crystal area to: the Birmingham Station includes such boportant manufacturing towns as Wolverhampton, Coveniry, Walsall, Kidderminster, Stoni-bridge, Reddich, Droitweb, Dudley and Tumworth, and almost w thin crystal range such well-known places as Warwick, Leganington and Stratford-on-Avon, I was impressed by the large numbers of sman dwelling houses, partieslarly in the Black Country, which are still without serials. Whether this is due to the sheer poverty at the moment of the occupiers, or their lack of interest in songs and music, I have, as yet, been anable to accertain; but similar houses around London and Manchester, and Glasgow, would have been amothered with evidence of a wireless interest. To those who are niming at bringing the benefits of broadcasting within the means of all, the blanks in the Black Country are disappointing.

#### Technical DIII ult.es.

The Birmingham Station has the champions ju towns as distant as Loicester, Nottingham, Derby, Rugby, Stafford and Shrewabury. are anxious to know why their station has not been amongst those selected to provide the whole of programmes for

It is the regret of all concerned with the development of broadcasting that certain technical difficulties have stood in the way of the broadeasting of the Birmingham programmes—difficulties centred on the fact that part of the landline between Burningham and London is buried ander ground. Three difficulties may be removed shortly, for the Post Office engineers are doing all they can to assist our own engineers in finding a solution to the problem.

Meanwhile, he who can time to 425 metres and occasionally turn 50 61T is fortunate amonest his fellows.

I was discussing wretess with my young brother recently writes Mr. F. Middlenger, West Stanley when he asked: "Do they have wireless on ships ?"

"Yes, I replied.
"Well," he coquired, "how do they get their coath !!"

### Some of the Week's Music.

Described by Percy A. Scholes.

LONDON MONDAY, 10th MARCH. VERDI'S OPERA, "RIGOLETTO."

RIGOLETTO is one of Verdi's earlier works. It was produced in 1851, and its composer ded just half a century later. It is in the older, discontingens style (i.e., with set songs, etc.). and is very Italian in its type of tone and in its vivid expression of passion. The plot is based upon a play of Victor Hugo, Le Rus cannose.

ACT I A PALACE. The Duke of Mandan (Tenor) is a finn Jenn, from whose attentions woman is safe. He is indulted for help in the schemes to his jester, Rigaletto (Baritone). The counters naturally have much reason to hate both Dase and Jester. Count Centure (Baritons) is especially bitter, for the Counters has become an object of the Duke's attentions. Count Monterone (Barn) is equally angry on account of the wrongs done to his daughter. Rigoletto jeers at Monterone, who ulters a parent's curse upon both Dake and Jester. The Dake is merely amosed, but the Jester is

ACT II. A STREET, Intemidated by the corse, Rigoletto makes a compact with a brave. Sparafucile (Baritone), whose help is hence farth to be at his service in case of need. Rigoletto new goes into his garden, where he finds his daughter (Mda (Soprano), She conceals from him the fact that a young man is hidden on the premises. The young man (though she does not know it) is the Duke. The courtiers, by a ruse, abelied Gible and carry her off to the palace. Rissletto discovers what has happened, and, with horror, recalls the curse.

ACT HL THE PALACE. Rigoletto rushes to the palace. His daughter is with the Duke. In distress he attempts to get into the room, The courtiers, who hate him, and do not altocerber understand what is happening, prevent his doing so. At last, the daughter, released that out, Rigoletto's fears are but too well founded. The curse has fallen. Monterone enters. It gold to swears vengeance on the Duke.

ACT IV. A HOUSE IN A BY STREET. Rigoletta engages the beave, Spacafuelle, to kill be first person who comes, whoever this may be. He draws the Duke to the house, using Sparsfucile's sister, Maddalesa (Mezzo-Soprano), as the attraction. Cidda hears, and, though wound by the Puke, makes up her mind to tive her life to save his. Putting berself in the Dake's place, she causes Sparafuede to stab her, His lette enters to receive the Duke's body, in a sack. To his astonishment he hears the Dake along in the room above. He opens the said and finds -his daughter.

#### CARDIFF, SUNDAY, 9th MARCH. BEETHOVEN'S OVERTURE, LEONORA (No.3).

la thoren wrote at different times four different Overtures to his one Opera, Fidelia (at first called Leongra). This "No. 3" (no-called) is generally reckened the best.

It is a very king Overture, fully developed on symphosic lines—too extended for use as a theorie overture, perimps, but a magnificent concert piece. There is a soort Slew Introduction, at their the main body of the Overture Ison Thore are two chief Tranes (a) the very soft and materiously opening one (steings alone), which immediately follows the Introduction, and to a specially flowing one given to the identity and course below by Violinia. Note the dramatic interruption of the

Trumpet call in the middle of the Overture (generally given by a trumpeter out of sight, behind the orchestra); this represents a moment in the play where the Minister of State appears just in time to save the bero from execution

# LONDON, THURSDAY, 13th MARCH. JOHN IRELAND'S SECOND SONATA FOR VIOLIN AND PIANO (in A Miner).

There are three Movements.

I. Quick. This has a good deal of subject matter and a great range of emotion. There are five Tunes, or "Subjects," and they can we from the tragic to the pathetic, the quetly happy, the exultant. The Movement openwith the statement of these tutes; then there is a very short "development" of some of this material; finally the Tunes are repeated, with some changes, and a short "Cada" or closing passage, rounds off the muvement. The parts for the Violin and Piane are splendidly contrasted, and the harmonies often striking.

II. Slow. This might almost be called a Song for Violin with accompaniment for Pianobut an accompaniment of real interest, and not a mere support.

The mount, as in the previous movement, vary. There is a quiet sadness in some parts, an approach to passion in others, and a service consolation in still others. The Movement is as the musing of a thoughtful and feeling postnow one aspect of life, and now another, master-

III. At a medium speed. This begins with threatenings of tragedy, and then suddenly goes off into a transport of joy. Many of the Tunes in this movement are very levelse, and linger in the memory after the piece is played and put oway.

#### MANCHESTER, FRIDAY, 14th MARCH, MENUELSHIPS TALJAN SYMPHONY

Mendels ohn wrote this when he was travelling in Raly, in 1831, when he had just come of ago, He wrote home to his sisters: " It will be the gayest thing I have yet done."

There are four Movements:-L. Quick and active. This is full of youthink

juy. It was written in Rome.

II. Rather slowly, get with a slendy pace.
This movement is often called The Pilipso's March, but Mendelsolu never gave it the name. It used to be one of the most popular pieces in the orchestral repertory, and British audiences used often to hold up the progress of the Symphony by invisting upon an encore. It was written at Names.

III. At a moderately quick rate. This takes the place of the usual Minnet-Tria Minnet (really First Manuet-Second Minnet-First Minnet ngain) in the earlier Symphonics. It is in the three-beats-in-a-bar chythm of a Minnet, and has much of the light-handed dance feeling.

IV. Fery quieb. This was written in Rome. and perhaps represents the spirit of the Mid-Leat Carnival, of which Mendelscohn was a spectator there. There are three chief Tunes in it: L. a Sabarello; IL, another Sabarello; and III., a Tarantella Both Sabarello and Thrantella are traditional Italian popular dances the music of the Saltarello having as the name anggests) a suggestion of a jump running through it, and that of Tarante is being more flow ar-

For a long true this Symphony retained its popularity, but of late years it has been almost crowded out of the reperiory and many nider concert goess will be glad of another opportunity of begreing it.

# GREAT NEW NOVEL

"THE LORING MYSTERY"

# JEFFERY FARNOL

Author of "THE BROAD HIGHWAY," "THE AMATEUR GENTLEMAN,"

# STARTS IN **NEXT WEEK'S** TIT-BITS

The new story is another "Broad Highway," only-and this we have no hesitation in saying-it is even better. It is more mature, with the more certain touch of long practice and gathered experience. It has the same romantic setting - the same green lanes, picturesque taverus, and gallent company—the brave man and lovely woman; the same quaintly-conceived tinkers, gipsies, blacksmiths, tramps.

And, above all, it is a thrilling, heart-gripping story of love that will hold the interest of all from the first word to the last.

There are millions waiting for Jeffery Farnol's new novel Those who read it in Tit-Bits will lead the field, for the story will not appear in book form until it has run its full course between the green covers of Tit-Bits.

To make sure of getting next week's Tit-Bits, ask your newsagent to deliver a copy Monday.

#### PEOPLE IN THE PROGRAMMES-GOSSIP ABOUT



Mr. MARKURER BUWES.

A MONG the most in-teresting of the talks given from London are those of Mrss Marjorie Bowen, during the Women's Hour. Miss Bowon is noted for her elocation when broadcasting, but it is not generally known that she has kettered a good deal on her favourite subjectbegan to write when quite

novel, "The Viper of Milan," having been published when she was in her 'teens. Her abilities were quickly recognized, not only in this country but also on the Continent, for she was only twenty-two when she received the Hon. Diploma of Literature at Leyden University.

#### Might Have Been a Painter.

Miss howen lived for some time in Italy, and her knowledge of the language and the country is probably unique among English writers. Although she has published some dozens of novels, and bundreds of poems, short stories and orticles, she has managed to crowd many other interests Into her busy life.

One of the chief of those is painting, and had she not chosen literature in preference, there is no doubt that she could have become quite famous as an artist.

#### Premier to Broadcast.

A N event of especial importance next week will be the broadcasting of the Primo Minister's special at Cardiff on Friday, March 14th. Mr. Ramasy MacDon Id takes a keen interest in wireless, and be thinks that broadcasting has " a boundless future of usefulness." It is as an educative ferce that he hopes to see wireless become there widespread, for be has never made any secret of the fact that he believes that in botter education lies the solving of away of our most urgent social problems.

At one time Mr. Ramsay MacDonald's chief ambition was to become a school tension

#### A Sip of the Tengue.



ME LINES COM-

BARITONE singer well-known in Scotland is Mr. Levis Cowie, was is often beard at Glasgow Station, Mr. Cowie tells me that once when he was singing that famous old song "Excelstor" as a duet with a well-known tenor, the latter forgot his words and made a slip of the tongue that caused roars of laughter. All was going well notil mudenly he

sang: "Oh stay, oh stay, the maiden said, and rest thy weary feel upon my breast.

The slip so accused both singers and audience

that a re-start was necessary.

#### A Slight Mirundentanding.

MR. COWIE relates a funny story about an Irish girl who applied for a position in England.

"So you are just from Ireland, are you?"
asked her prospective employer. "Were you
trained across the water?"

Sure, I was not, indeed !" replied the girl. " I was shipped gorosa."

MISS CHRISTINE CROWE ("Auntie Chris") is a favourite with the condernate Aberdeen, and, to use their own words, "they love to hear ber laugh." She in well known as a story-teller, and the following is one of her lest :-

The captain of a West Highland bent was short of hands. Two men presented them-selves. One had an excellent character, and was immediately engaged. The other was not go fortunate. He could get nobedy to wouch for his honesty or worth. After a while, the captain, finding no other suitable applicant, took

"But," said he, "I believe in every man

whom I engage having a satisfactory character.

A few days later, the two men were busy washing the deck. One of them, in leaning over the side to refill his bucket, lost his balance and disappeared into the sea. The other

immediately went up to the captain.

"Ye were sayin' the ither day that ye aye wanted a chairacter," he said. "Do ye not you chap ye took on wi sie a gude chairacter that ye never spaired a question at him?"

"Well, what about him ?" asked the captain. " The fella's awa' wi' yin a' yer buckets," was the triumphant reply.

#### Quite Logical.



M ANY CANTE

MISS AMY CARTER, who is a popular artiste at Birningham Station, is fond if telling the following lory : A teacher of missio n one of the subooks in he North desired to imreas the pupils with the scount of the signs "f were about to sing. After explaining that meant forty, he said :-

Now, children, if f'

means forte, what does iff steam

Silence reigned for a moment and then he was asionished to hear a bright little fellow Shout |-

#### Nothing Doing.

MR. ROBERT MURRAY, the versatile IVI entertainer at Glasgow, tells me an amusing story of a Scotchwoman's witty method of dealing with a man on the look-out for a

One day a dustman called at the honze of a labourer and touched his cap to the woman who opened the door.

"Good morning, mum," he said. "Tim the man that empties the backet."

Are you really ?" she replied. "And I'm the weman that fills it. Good morning!"

#### An Impromptu Regita?.

MISS ETHEL PAIRBURN, soprano, who sang at the opening of Cardiff Station and has become a favourite there since, once had an interesting experience in Wales,

While visiting Bettes-y-Coed, alse was descending a hillerte and singing, as she delights to do in the open country, when a blind harpist who was playing his instrument at the foot of the hill immediately picked up the key and the air she was singing, and the song was concluded to harp accompaniment, much to the gratification of harpist and singer, who both enjoyed the

#### Vocalist and Motorist.



SINGER much in request at Boscocmonth Sestion is Mr. Edward Hill, whose rich buritone voice is heard to great advantage in ducks with Mes Marjorle Scoon, ontraito. While admitting hat sing ng is his favourite scoupation, Mr. Hill tells me that, spart from his professional work, he likes nothing better than motor-ing. Unlike many motor-

usys to the bighways, and, in consequence, his knowledge of the less frequented parts of the country capecially in Comwall, Devousing and Wales-is remurkable.

#### The Reason Why.

MR. HILL relates a good story about a motorist who was new to the London streets and was estudy analyzed at being beki up by the traffic.

After waiting in one spot for a long time, he called out to a policeman; "I say, constable, when are those vehicles in front of me going to move on 7 I've been here twenty minutes already."

"I daresay you have, siz," answered the peliceman; "you see, you've drawn up on a cab rank!"

#### A " Trunk " Cell.

MOST of us remember the enricus quality we felt on the very first occasion when we were abliged to use a telephone. Miss Betty L. Grimwood, the "Anntis Betty" at Cardiff, tells me of an amusing lapse of memory that she experienced on a similar occasion.

I wanted a long-distance telephone call," she says, "Now, I knew that when you did this you had to ask for a special line. What was it you asked for ? Could I remember ? No. Suddenly I was struck with a great idea. It's something you take away with you. So with a night of relief I lifted the telephone receiver and breathed, 'Portmentenu, please'!"

#### No Need For Alarm.



Miss ISOUR SHAW

A N artisto who has made a speciality f singles the sange of French composers is Miss Isobel Shaw, of Aberdeep, She has a fine sopramvoice which is much appresiated by listeners. Miss Show relates a good story Misse concerning an amateur vocalist who would pensist in trying to sing at a social gathering.
"What does he call

that ?" inquired a dis-

gusted guest.

"The Tempest," answered another.

Don't be alarmed," said as okl sea-captain
who was present, "That's no tempest; it's only a squall, and it will soon he over.

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

#### WIRELESS PROGRAMME-SUNDAY, March 9th.

The letters "E.S." printed in Halles to Choos programmed signify a finustraneous Benedicari Scam the station mos-	8 20. STATION PETETORY CHORPS. Hymn. Feetr Days and Forty Sights 18, and M. 623.	MANCHESTER.
tioned.	Anteen, Cost the Burness Upon the Lord ( 12) ph	2.0-3.0 Wagner Symphony Concert. THE "ZZY" ADMIENTED ORCHESTRA
LONDON.	THE REV. J. W. MORLEY, St. Jana Courte, Lady- wood. Religious Address.	Conducted by
Destina The Williams ORCHESTRA.	"Hear hie, &r Words and Waves " Handal (1)	PANCY PITT, Busied Director of the R.N.O.C. Overlone Good Friday Special Parents "The Flying Deaths as "The Director of Lebendria"
To Paint 1 September Carregol Telephonesis SOPIRE ROWLANDS (Soptime)	Ch. STATION ONCHESTRA.  Under the direction of JOSEPH LLWIS.  Develope, "McLadin," Op. 52	GERTRUDE JOHNSON
SOPINE ROWLANDS (Soprior)	View Moreumen from the "Publishing Sympology" 7 challengty	Prainds, Death Scene (* Tristan and Lolds *). Spring Sons (* The Valleyton ).
De Von Kennender F Commend (Tt) C POLLARD CROWFILE will tell the Story of Tes	Out of the Signst Lidger (I)  Mind When Young (1 to 1 trees Gorden )	"Sagred's Codes! by Fire" ("Sagred")
Ondertha	"Myself When Young   The Ivrain Garden	Deet. Act III. "Later on "A tertrade United and Walter Wildon Decision Man 1
School of Commission of Name of Street, 17 ages - Toron	Sailte, Selves Nomes On School Dances 1 to 32m	20-230 CHILDREN'S COUNTR S.A. from Cardiff.
Section for a Columbian Physics (13)  Hear Mart Ye Woods and Wayers Hambel, are, J. L. (1)	Park of the Narrages 1 112 "Cupar's Commer."	S.D.—SIDNEY G. HONEY Talk to Young Proper RECORD THE RILY G. ORGER K. IVAVIES, of the Forest
"Res Old Shepherd's Some " Parker (1)	12.9 NEWS S.D. from London. Local Series and Weather Porcess!	Memorial Congregational Church, Chorlton-cum Burdy Sunday Evening Talk,
- band d'Arco C' Tassa T	10.30, -Class down. Associate: Pency Edger.	E-50. CENTRAL HALL CHOIR Condector TOM CHASE.
Hyente à 84, Carde (Salo Vising & Kamala Kulley )	BOURNEMOUTH,	Anthony, Contain Sport " Steendale Remode Corne, And the Corner Bunde Solls, Commission Waynes, Jud
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6.20. Opening Hymn, "I Heard the Voice of Jesus Say"  (A. and M. 257) (Verses 1-6-4-8) (Pune, "Abridge").	BOS ST. MARN'S PRISOVERSELN CHURCH CHOIR. Hymn," All Chaffers of our God and King " Different	Solo, " Nearer, My God, to Thee,"
(A. and M. 207) (Versea 1-3-1-4) (Tune, "Abridge").  by Mrt. GENERAL BOOTH  8-47 - Vocal Sale, "How Sweet the Mann of Jean-Sounds."	Home, "The Well I Lave" (Charry) Project Production	Hymns, Had, Thou Oute Depred Jesus (Tues
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(The Reference of Star Bond, BANDWASTER U. PTILER).	Bt Mark's Presbyterine Church, Religion Address, S.M. Churt	10.86 - Char deep
9 10 Concertion Eds. "O Book in the Lord." (School, HANDSWAN BURGLESS.)	Hymn, "Lead, Rindly Light (Tone "San a") (Presbyterian Hymnal No. 440) 5.1 REGISALD S. BOLAT (Sele Val.)	date onese y Yakor Sprylin.
10. Selection, "Guide No. O. Then Great John al. 1886. Selection General Reach (read by MAYOR BUR.	6.13 The APAI Tree	SIGNICAL CONSCIENCES OF ARTHUR.
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1.22. Selection, " Green from Haydr's ' Constant."	Arts and Charas, " Lord God of Alexandre " (" Elijah ")  Mendelumba (11)	
Zummer of Mine, J. C. VAN DER NAXIEN.	"Cast Tay Penden on Go Lord " ("Elijah") Mendelsolm (21)	Wby Do the Nations ?
Value der Freign.  FREDURSC LAKE (Fund).	O.C. TROMAS E. ILLINGWORTH (Soin Yorke)  Color p. Tarker  2.15. The "OUS! Tree.	Verypiel and Adagin from Concerts firms
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See Parce " Contribute Traditional Links Alr, " Londonderty Air " Traditional Links Announces Harold Cases.	MANCHESTER (22Y) 375 "	Annualities R. C. Pratt.  A number against a munical item indicates the manual of its publisher. A tery test of publishers will be found on page 427.

## "EVERYONE'S MENTAL TOOL-BOX."

Jerome K. Jerome Tells Readers How To Make The Best Use of Their Brains.

ONE of the most gratifying features of the day is the increasing popufarity of Pelmanism, Well-known men and women advocate and advise it. Thousands of readers are practing it. All over the country people of every type and occupation are increasing then efficiency and consequently their carningpower by this means, and are training their minds and developing their intellectual and business powers with the aid of the wonderful "Little Grey Books" issued by the Pelman Institute.

#### How To Use Your Mental Faculties.

This excellent sign of the times promises well for the future, for, a that accomplished writer Jerome K. Jerome points out, Pelmanism should be the

basis of all education.

"Every youngster," he writes, "comes into this world provided with a fine box of tools necessary for his life's work. It is nearly packed, and nothing is missing. He carries it in his brain. It contains CONCENTRATION, OBSERVATION, IMAGINATION (the mother of enterprise), ORGANISATION-quite a number of useful tools, mostly ending in 'tion.' And, above all, MEMORY.

Properly employed, they will enable him to accomplish any task to which fate may call him. But nobody shows him how to use them-

#### Making Full Use of the Brain.

'Oh, that's all right,' we say, 'he'll and out in time.' So he does, with luck, towards the end of middle life, after years of bringling and despair. But by a little belp in the beginning, by the help of Pelmanism, by showing him

how to employ and become deft in the use of his brain;

-how to observe truly and perceive rapidly;

- how to concentrate has attention and arrange his ideas;

-how to think and how to reason;

-above all, bow to remember,

he might have been a useful member of society from the beginning.

" As it is, he has to trust to hearing about Pelmanism. I am more than willing to help in making it known to him. He ought to have been taught it when he was young. The sooner he takes it up the better for him and the country. It won't turn him into a genius. It won't put more brain into him than the Lord gave han. But-

it will enable how to make full use of the brain he has been given.

"Most of as at present are wasting it,"

#### Remarkable Reports.

Reports received daily from readers who have taken up Pelmanism prove the soundness of Jerome K. Jerome's advice. Here are a few extracts taken at random

from letters received by the Polman Institute describing the benefits received as a result of practising this wonderful

A Merchant states that Permanent has enabled him to rise from an employed to employer.

A Sead-Mistress writer that it has increased her Self-Confidence, alrengthened her Memory and gained for her a promotion to

A Clergyman states that his preaching has

A fourness reports a "substantial acress of dary" and a vast improvement in Con-contration, Memory and Mental Abertues.



JEROME K. JEHOME.

Design of Free

the distinguished author, who recommend-Pelmanhar to sveryone who wisles to make the fullest use of his or her brain.

A Clerk states that he has been promoted three times.

An Artest writes: "The results are wonderful. What I have gained could never be called costly even had I paid 450."

A Woodworkst reports an increase of 50%

A Shop Assistant reports a great improvement in Observation, Memory, Concentration and "all-mund efficiency."

An Assistant Cashier states that he has secured a better position.

A Manager reports an increase of 200% in

Thousands of similar cases could be mongioned. More will be found in the copy of "The Efficient band," which will be sent you gratis and post free on writing for it

This book contains articles by some of the most eciderated people of the day, and shows you how you can carel for a Coerse of Petmanism on the most convenient terms. It will be posted free to any address on application to the Pelman leastfute, 05, Pelman House, Bloomsbury Street, London, W.C.I.

#### I HAVE NOT FAILED ONCE.

#### Company Secretary's Tribute to Pelmanism

An interesting letter has been to real from a Company Secretary and pplyong Pelman principle. In a solution of twen then eight Commercial Representations as I be not lated on a single occurred. He writes —

"I am an old Pelman stodent, having tal-

"I am an old Pelman stodent, leaving talbe thind and Memory to a ready a
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nd Confidence is my aighter.

pd The need for an in the dense of fixed on my mind.

In fortified I turned by articles to Commercial Example and pleased to say I have not follow in one I have taken during the time I have been stodyling

Eight Examinations Passed.

"The Examination I have passed that writes are:—

Chamber of Commerc Assembly Commercial Revision and Accounts (Distinction Royal Society of Arts Advanced Book Commercial Royal Society of Arts Loumonair The Royal Society of Arts Commercial Royal Society of Arts Company Law Chartered lusticate of Secretaries Intermedials.

"In addition to possing the France to Co-pany Law. I have seen the Society where Medul for that subject.

In weaking to these france, Plantage Society Pehran methods are against the seen at the bound to reach my denales are the local and a local a local

"Candidly, the result; would not have been obtained had I not organized my mind under your tuition and taken advantage of the benefits accruing therefrom.

"I have written rather a long letter, but even now it does not give to the inhest degree-the monare of gralitals I most loss to EXPENSE.

#### " The Efficient Mind."

The New Pelmanism is long explanted of The Efficient Mart, the fourth officer of which is now ready.

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#### WIRELESS PROGRAMME-MONDAY, March 10th.

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Vocal and Introposalal Artists, the Station Orchestra.
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Weather Forward, or THE "KIDDLEWICKS."
6.4h Does Brigade, Boys Life Brigande, and Church Lada'
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#### **EVENTS OF** THE WEEK.

SUNDAY, MARCH 9th, CARDIFF, 8.30. -- Symphony Concert No.

MANCHESTER, J.B., Wagner Concert, GLASGOW, B.05. Recited of A Cappella Church Music (16th to 20th Century).

MONDAY, MARCH 10th.
LONDON, 7.30.—"Rigoletto " (Verdi),
produced and conducted by L. Stanfon
Jefferies in the London Studio.

TUESDAY, MARCH 11th.
LONDON, 7,30.—The Royal Engineers
String Band.
CARDIFF, 7,30.—"As Yes Like & "

(Shakespeare).

NEWCASTLE, 9.45.—The Newcastle Players' Repertory Theatre Company in a Performance of "The Silk Hat" (Lord Dunsany).

ABERDEEN, 7.30.—"The Song of Hiawatha" Poun by Langfellow, Music by Coleridge-Taylor.

WEDNESDAY, MARCH 12th. BIRMINGHAM, 7.30.—Birmingham Com-posers' Night: No. 3, W. J. Fenney. CARDIFF, 7.10.—The Magic Carpet: L.

GLASCOW, 7.38. Grand Symphony Con-

THURSDAY, MARCH 13th.
LONDON, 8.10. Hours with Living Composers—John Ireland.
BIRMINGHAM, 7.38.—Chamber Music

Programme.
ABERDEEN, 7.36. Operatic Night.
LONDON, 18.0—2.30 a.m.—The Savoy
Bands relayed from the Savoy Hotel,
London. S.B. to all Stations. (An
attempt to broadcast a Programme of
Dance Music to the U.S.A.)

FRIDAY, MARCH 14th, LONDON, 7.36. John Henry's Pro-

gramme.
CARDIFF, 9.15. The Prime Minister.
S.B. to all Stations.
MANCHESTER, 7.45. Mendelssohn Pro-

granuse.

BOURNEMOUTH, B.10.—Song Cycle, "In a Persian Garden" (Liza Lehmann).

GLASGO W, 7.45.—Story Recital, "Pride and Prejudice" (Jane Austen).

ABERDEEN, 7.30.—"The Duke of Killierrankie" (Robert Marshall).

SATURDAY, MARCH 18th.
BOURNEMOUTH, 8.0.—A Night of
Memories.
ABERDEEN, 7.15.—Another Scotch Night
wi' Mr. Mc Whackle and his Freens.

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#### WIRELESS PROGRAMME-WEDNESDAY, March 12th.

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Funny Stories Told by Listeners.

A FTER switching on the loud speaker a friend of more found the results very faint. A closer impection revealed the fact that there were

about haif a decan cough-drops in the horn.
Inquiring the cases of his three-year-old son,
he was told. "Well, Uncle Mango had such a
bad cold that I put the cough-drops there for

"In a less Andre NB
Musical Chairs.

A friend was forening the other might to the dance music played by the Savoy Orphesias when sudocide the Innamession was cut off.

tesamed, and cut off again.

"Oh, I see!" she exclaimed. "They are playing musical chairs!"—C. STEEVENS, Cheve,

mer Bristol.

A little boy was fold to listen very carefully and he would hear Big Ben strike. After iston by intently for a while, he looked up and a 't' Daidy why is Big Ben going to strike? Does he want more peoples, tou t''—U Marnewson, Low Fell, Gateshead-on-Tyne.

Prior to the beginning of a wireless concert the "bowling" was rather possistent. A friend of mine who was listening remarked: "The people at the Manchester Station must be very happy to whatle like that before starting their work."-Max. H. Nicon, Laverpool.

WIRELESS AND THE BLIND,

A PART from those who are blind, few people can realise what broadcasting has done to brighten the lives of those who are deprived of the blessing of eight (says a writer in Amoteur Wireless). It is for more valuable to them than it can be even to those who live in the remotest parts of the country, for what more interse leneliness and detachment from the world of art can there be than that which comes from being blind?

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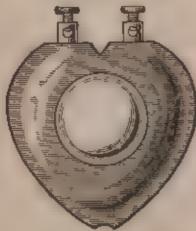
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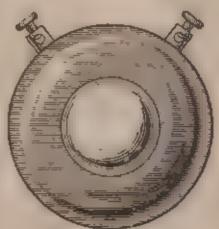
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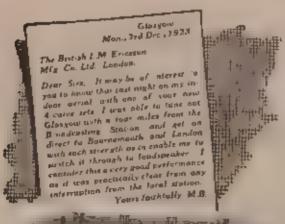
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#### \_\_\_\_ OGRAMME-THURSDAY, March 13th.

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D.40. -MAJOR VERS DE BROOK, M.J.A.E., " Engineer-THE SAVDY RANDS. Sate from London.

1.0 p.m. Interval.

1.0 p.m. The Savey Bands. S B. from London.

1.1 p.m. And the Control R. Carll Pasison.

\* bel Rowland, L.R.A.M. (Solo Plano), Thomas

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REWS, S.B. from London.
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#### OARDIFF.

5.0. "GNAS" "FIVE O'CLOCKS" r Mr Lanc Williams, Lenger of Asts, The National Museum of Wales. Talke in Wester, Vocal and Instrumental Artistes, the Station for he ca. Wen are 1 at 25.
5.45. THE KOUR OF THE "Expositive Yells." 7.30 March, "Galkto". Info.

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12.0-10 a.m. -Interval. 1.0-200 a.m. -The Sarn's Bands. S.D. from Landon 2.00 a.m. -Closs down.

Assessmer A. H. Goldard

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\*\*Bo. THE GARNERS HOFFELD BARCEBARD.

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1.0-2.00.—The Savery Blands. S.U. from Leading Pair and Co. 2 of a Announcer C. K. Parsons

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This instrument has been installed at the places shown on the accompanying map and the London Broadcasting Station received with excellent results.

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#### THE PROGRAMME-FRIDAY, March 14th.

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WIRELESS ORCHESTRA
LOT, WILL-AM A CROS-Moments Lover, "

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1 B. - The Pr MF Next STER S.B. from Lond 10.0. - THE SAVOY BANDS. S.B. from Lond 10.0. - THE SAVO

# Hope For British Music.

#### A Famous Critic Airs His Views. By Charles Tristram.

TeleRE is one very interesting fast about h music, and that is that, no matter how by bloom a musician may be, his musical education can never be finished. It is for this reason that the competent musical critic is such a testal person, for he can always make us see things from a new an 16-

Among musical crities of to-day none holds a higher place than Mr. Percy A. Se a he, a rehatguers (and masse lovers who don't listen) should make a point of reading his latest book "Crotchets" (John Lane). Even the seasoned concert and opera-goer will find much find for throught in Mr Schules's pages, and as for the lover of jazz, he will be entertained and pleasantly

lover of pazz, he will be entertained and pleasantly anstructed at the same time. Although the Scholes is himself probably what the latter individual would call a "high brow," he is by no means a despisor of "popular", mase, provided that it is good. He tells of larging been present with three formers musical exports, Sir Hubert Parry, the misin critic of the Times, and Sir Wafferd Davies, when the latter exchanned: ""Tip perary 't Polic proof to have written such a tain the But Mr Scholes adds. "There are popular times and popular times. Some are popular and good and some are popular and both."

Concert goess will thank Mr. Schules for his criticisms of many absorblites that are still found at the very best recitals. He mentions the case of a famous woman singer who sang songs that were meant only for men. In a ,or c of her fine voice, how stupid it must have sounded when she song: -

'Oh, masilan, maiden, I love thee well, That there lov'et me, thy soft glances tola

That that rower me, thy sort granes read Mr. Scholes haverts that people are so accus tomen to seek a thing that they may not appreciate his objection. "Then let me put upon the partform of Queen's Hall Mr. John Contes," is says, "and nompel him, against his will covery to sing another song of Beotheven's.

D would I were wed to thee,

'D would I were wed to thee,

lly life with those cole king!

A moder a speech reserved must be
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As I warm-hearted keeps feel.'

"B is curious that convention should allow to the one sex what it would not for one moment allow to the other." Chrisms, indeed t One of the most interesting chapters in the book is that on Mr. Scholes's letter hag.

For unconscious humour, for instance, what corld beat the

"I should be much old god if you would express an epithon as to whim you consider the poor classical composer, Wagner or Sullivan " I

It is interesting to note that Mr. Scholes is British made, "This is the most for the death of Purell," he writes, "... My reasons for this assertion are partly based on the apecia, promise of the present and partly on the apecia, promise of the present and partly on the apecia, promise

of the present and partly on the general promise of the pant. Both have to be taken into account . Our past history shows us to be at heari a musical nation. You cannot get away from



Listening to the city-

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

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#### WIRFLESS PROGRAMME-SATURDAY, March 15th.

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C 16.— THE SAVOY BANDS, S.S. from L Auspuncer Stanley Hon-

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6.6 ... PAYAS " FIVE O'CLOCKS " " Mr E - ma Vical and Instrumental Artists, the Station O'c. 11. DUR OF THE "KIDDFEWANS"

NESS E. From Landed.

Lond News and Weather Foresthat

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THR STAT ON ON HYSTRA. 7 to Song, " He Shall Feed His Flock " (" The Blewish 

#### Rope Making.

#### A Talk from Glasgow, by Henry Berkmyre,

THE first machines for twisting hand-spun yarn into strands were made in England. Many vegetable fibres may be used nowadaya; but for the combined qualities of strength, flexibility and damability, none can compete with Manile hemp.

The first process of maunfacture is to open and batch or mix the various marks of hemp.
After butching, the fibre passes through various machines, the purpose of which is to brung the fibres into such a continuous unity se to form a basis for apinning into yorn. They consist of a system of pins and rollers which not in much the same way as the ordinary comb one uses for one s morning loiles. The tibres are straightened and drawn until they all lie parallel one beside the other. The abort fibre or tow falls below the machine and in used for the cheaper classes of cope.

When they have been reduced to a sufficiently fine state, they are taken to the spunning frames, which work somewhat similarly to our ancestors spit ring jennies. The fibres are for the last ton drawn through pins, and twisted or spon into yarn. This is automatically wound on boblins to facultate its removal to the ropewalk.

A ropewalk is much the same as it always has been. At one end is a bank or creel to hold the hobbins of yarn. The size of rope and the number of strands having been decided upon, the necessary number of bobbins are monted in the healt. The yards are then passed through a register plate, and thence through a tapored tabe, the sectional area of the smaller end of which is equal to the sectional area of the straighthe term given to the yarns on emerging from this tube.

Each strand is then separately attached to a revolving book on a travelling machine running of course, of narrower gauge. This machine proceeds up the walk, drawing out and twisting the strands until the requeste length is reached,

At the bank end of the walk the strands are then cut and attached to the books of a fixed machine, and both sets of books are set in motion in opposite directions. A carriage bearing the laying top is brought close up to the traveller, and the strands placed in its grooves. The action of the heeks on both machines revolving, twists or lays the strands one upon the other, and thus forces the outriage down the walk until the rope is completed.

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### Official News and Views.

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#### " Regulatio" by Wireless

I galetta, the open by V dr. is to be perlorined in two war a war. March v. i. Mach. iii. It will be produced and addicted by Mr. In Stanton if fleries, our Mrs. i. i. and hateners will have an aper to a first some of our most famous treasts. these or this occasion, and the cast for the Mrs. Cristian Later. Mrs. Constanting Wiles, Mr. John Perry, Mr. W. Bain Van van A. M. Laho, d. i. La & No. 1

#### Hours With Living Compesses.

these who hates no Thursday, the iter West to a see the series of Hours with Lab. Imposers, will have an opportunity to a see works at It be east with that woring play, with Mes Dany Kernedy, los See. Sound in A Moor for violen and An It

The programme will be walely a presented to a main in to these two destinguished artistes, Mr. George Parker, barnone, will sine some of Mr. Ireland's well-known some

#### The Third Symphony Concert.

15 reflection out this accession will be the Royal Albert Hull Orchestia, continued by M. E. To Goossens, and the pumeforth serwed on Mr. Marrier Con-

#### Weekly Concerts from America.

A series of experiments, relay concerts from

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The Metropentan Vick is the conjunction and as Westmannian Frenchester, in conjunction and as Westmannian Frenchester, in the conjunction and as Westmannian Frenchester Statem Frenchester Statem Frenchester Statem Frenchester in the programmes in 128 metres and the programmes in 128 metres and operating with an average acreatenergy of several court

The supply other districts with concerts from a supply of the metal and reasys them on a supply of the supply of supply of

#### Reducing Interference.

Experiments have been made recently with a new to increasing he rate of many ending to a factor and a factor of the arms of an arms the property of the arms of th

Various method have been tried to be a little be reception of KDKA. To that method was to use a small frame aerial in connection with stage of one beteronym varye of to six high frequency values, the first detector valve op to there long wave right frequency value second detector.

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The receiver only a few of the latter part of the content of the and sufficient strength in the content of the are retransmitted. I have relayed amond one-only to sat the other statums special precaptions have been taken to obtain the best directional effects with the loop aerial. This has been rather a difficult matter. I require to be sufficient on the land atmosphines, and also to reduce the strength of atmosphines by vary as the direction of the land in the

Forther experiments are been, to a bow the new to increasing the efficiency of this social system, and we hope to combine it with a small on the second second also as to give a heart shaped polar diagram, which is one of the most effective for enting out atmospherics when they are mainly criming from one definite directs.

#### Comparing Results.

apparison has been made of the results of a manife picking up KDKA in Manchester and a various parts of London, and the results obtained at all these places are identical with regard to the ratio of atmospherio to signal signal was their there are a suspecion that the Riggin Hell of the special with the structure distorbances and the second field of the fact that these are very a regardless of the South Coast of appears that the results obtained are as good as could have been obtained and as

There are still difficulties apparently in the maintaining of a constant wave-length at high last the stage of a proper to vary them to are taken with the society to avoid any possible change of wave-length by having a property stable appending actual system and a perfectly stable

#### B.B.C. PERSONALITIES.

#### Mr. Bertram Fryer.

#### Station Director, Bousnemouth.

WHEREVER M. bertain Fere has worked in the interests of broadcast lie has achieved succe. His versat to has enabled him to build uppopularity which is always seeks to mountain. Young arm and and ve, with alert event in a interest to ovalface, his personality creaters a series of



Mr. BERTRAM FRYER.

intelligent activity wherever it is met. His first association with the Companies of as Station Director at November Re-Re-west

there from the Apollo Theatre, Landon, when he was playing with success in Haurley's of the High St. Refore this. Mr. Freer's reputations an actor, theatrical producer and amages was well known in many parts of the country forever successive to many parts of the country forever successive worth he has lived and enterta moment world. A character actor of no mean shall be as played not only in Landon and the provents above that also the arter at Africa.

As a the worked with his factor for about five years on he Louise Stort-Exchange, but his craving for self execute a finite manner, made can text the his for a more variable tast now left the for fightly.

#### Opera Under Difficult es

Decree of which covered a period of six maths, from April until October last. In himself popular with all the asteness in home and it is to his credit that he produced Grand Opera under concations as difficult as they were novel. With none but head singers, he produced the first and second acts of the Lity of Kilmansel books and second acts of the Lity of Kilmansel books and second acts of Northwest with a second second acts of Northwest with a second second color of Northwest with the first and second of Fanet, assisted this time by Bentrice Womans. It is not find the British National Opera to. All these wire produced in the studie, and without doubt, created a fundmark in the development of broadcasting in the North.

When it was needed to open the Beammonth Station, it seemed fitting that M. Pryer should have the responsibility and the work of making this development to Arriving there a stranger, he quickly made a friends and looks back now with a quiet some apon those late autumn days, where in a singularity over a garage, he began his work

#### Programmes for Scholars.

Since October he has produced Sketcle bymphomes, and a programme, depending too on lough talent, that has met with constant appreciation. His courage induced han on on measure to produce Dyorak's New Work! Symphony, and his reward came, when laten to hended the list of listeness' request negati-

It is also to the credit of Mr. Fryre that while at Newestallo he began special transmissions scholars. His idea was that immediately afterbolars a programme malway between that of the "Children's Hour" and the Men's Tales. It proved very snoreseful and at Bournemouth where he developed the idea, too, it has much him as popular with the children of the South Country as with those of the North

# Terrors of After-Dinner Speaking.

A Talk from London by LORD RIDDELL.

CONFESS I find it transporting to make I an after-dance speech without a vield-actioned It is difficult to be merry when rathered it is diment to be mony when rather to a marriet. They say that tectotalism will kill after-diamer speaks at Pechaps it would be a good thing. Talking to a magnet is like talking to a fectotal audience. It rooks hard and bright, but it is not hilariov

A Tricky Bosiness.

The terrors of after-disagree peaking are of two sorts-the terror of the speaker and the terror of the authence. From the speaker a point of view, after-dinner speaking is a tricky

Many speakers forget what they intended to ur. They are like the young man who, when called upon to propose a toost, remarked

When I came into the count only two people know what I was going to say-the Almighty and myself. Now there is only one, and that a he Almanhty

Most after dinner andiences are toterant. They do not expect much, and as a rule they are not disappointed. How they survive the enormous toost lists. I somet mes wonder

"Cutting the Carkle."
On these treesmale the prisoner who was about to be hanged in a far-off American state. A large growd and collected to witness the execution. It included degens of reporters and the local Senator One of the reporters · ported to the Sheriff that the prisoner should тыки в вроег вресер.

Thereupon the Sheriff said to the Dist Would you like to make a speeds between I have you?" "No," replied the

prisoner, " I'm no speaker. Get on stepped on to the platform and said. the Sheriff, As the prisoner does the Sharill. As the prisoner does not wish to speak, is there only objection to my making a short speech? The Sheriff, much aur twieed, said to the prisoner: "This is a matter for you. Do you object to Senator Brown making a speech?" Vo." said the prisoner, "let him work. But have me first

speak. But hong me first

#### Back-chat from a Corpse.

If truth were told, those are the sent ments of many after diener audiences. Luckily, they do not express them. The speakers do not suffer like the elegyman who had leavered a funeral oration on a member of his flook who had beet a most exemplary person. The parson concluded his ramarks by saying h-was sure that the deceased was now far happer than he had been on earth,

At this, a lady in the front pew stood up and, addressing the parson, and "I am the widow, While you have been speaking I have been a. spiritualistic communication with my husband, who desires me to say on his behalf that you are wrong, as he was happier with me on earth than in his new abode."

The chagyman, much annoyed, replied: "I have been in the pro-fession thirty-five years. I have lefivered no fewer than two thousand five hundred and fifty-three funeral orations, and this is the first time I have had ony back-chat from the

One of the terrors of after-dinner speak. cases the pearly. This is a horror for both to peaker and his victims. The other night a t Janet Mouster, when proposing the tone Assent Friends, made this error. He con-luded "I ask you to druk to absent friendmetuding the heat, waster, whom I have not seen for at least ball an hour

The authorse were puzzied. Had he said according to trul tion. " the wine waster" doubt the audience would have enjoyed the

Joke as tarap.

Then there is the terror of is det in the the unfortunate problemment of the speaker who limbs that all his best pooler in a made by provious speakers. It less be is fortunate enough to have some more shots in Les locker, his only refuge hea few chestants.

#### Expected Too Much.

In the past I have relied on the story of the Bashup who was staying in a country house where there was a small girl much in terested in his cocle-nastical after. Wishing to lead her mind to higher things, he inquired whether she knew the Luid's Prayer. "Yes' she said. "And do you knew your creed?" Yes," she answered. "And do you knew the ten communicated is 2° "Yes, I do?" "And do you know your catecham?" "Dann it said the little girl, 'I can't know everything." I in only seven

After-donner speaking in America is an

ordeal. It has its special terrors. Members of the audience wait behind to put questions,

according to the ens or at revival meetings in bia courrier

One charming young lady said to me; Mary I ask you a personal question? Are you what they call a blood peer t I said. " If you use the term in the sense in which we apply it to perogree cattle, the reply is in the negative.

To-night I shall leave

What a terrible prospect?

LORD MIDDELL tos theerful studio a post price to a sent to krupt. I dove told my best stones. I can never report them I say have been heard, so I am told, from John o Cirosts to Land's End by a mution listeners,



#### Taking No Roke.

In fixing when I am asked to opens at a police dinner I shall bear in in ad what tous place when a Negro was charged with steaming place when a Negro was charged with steading cluckens. He called, as evidence of charact, the local passon, another black gentlems. The magistrate said to the witness: "Do you take Brother Sombo is the sort of man who would be likely to attal chirkens?" "We, boos," replied the parson, "I should not like to say that, but if I were a chicken, and Brother Sombo term around. I amound toose bure. Sambo were around, I anould room high

In future, as an after-lanner speaker, 1 all

roost high-very bigh!

#### Wireless Wisdom.

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"Tire selety of the Lendon servets. is a subsent in whole every lon-dimer is personally interested. Six EDWARD SMITT

" The Public's performers must in the long run be respected by those who cater to it. The Co. A. C. Encount an, 4 1

" Tur motor vehicle ordinary everyday vehice . 'a ordinary everyday man."--Louin MONTAGE OF BEAULERY,

"Theathical prospects would be rosur from the business point of view if something could be done to restorp playening as a holist. United effort should be much to proper a be theatre by every means that offers repectally by such means as the cheapesing of prices of admission, the lowering of auditorium few and acres achievant forefree and the provision of greater seating forts, and the mulication of everavailable form of publicity and propa-nula."—Ancumana Hannox.



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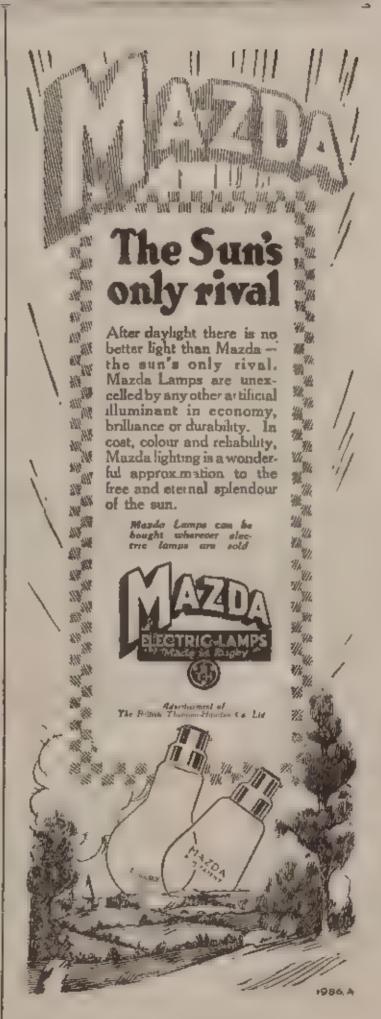
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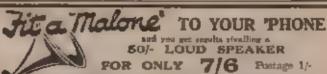
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#### SATURDAY, Moreh 15th.

annener B. C. Hrad Jenner

A matriber against a muccal rest indicates the manner of a publisher. A key liet of publishers will be found as this page.

#### TALKS ON SCIENCE.

The talk on Wednesday last by Sir Richard Gregory, F.R.A.S., on the month's Science reviewed by the British Science Guild is the first of a series of monthly reviews of scientific program to be broadcast on the first Wednesday in each month. These are prepared by the British Science Guild, and will be read by some of the greatest scientists in the land. They will be of popular character and rouse much public interest.

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# THE CHILDREN'S CORNER.

CONDUCTED BY UNCLE CARACTACUS

#### A Message from Uncle Edgar, of Birmingham.

I EXPECT all the Birnungham neplace and pieces are longing to have the first message that Uncle Edgar has ever sent them through

The Radio Times. Here it is Hallo, Kiddies! How are you all? Very well and very happy? That's splended! And by the time you have read that greeting you will know who has written it, won't you I any rate, those of you who listen to Birmingham will recognize the familiar words, although I don't think you have ever seen them in cold

#### Sefere We had the Alphabet,

B the way, talking about "cold print, wonder if you know why print should be described as "cold." Shall I tell you? You probably know that speech is nearly as

old us the world, and that people managed to get along for very many years without any ther method of communication. Then the idea of writing came into somebody's

end. He did not think of A. B. Cand the other things we call "letters" to-day; but contrived to express certain things by a series of pictures and signs

#### A Great Art

Very many more years passed by before noything like what we call letters" were thought of, and by this time elever men had got into the habit of looking upon writing protuces they had become acctatomed to use. So that they continued even after the discovery of "letters," to treat the expression of thoughts and messages on stone or perchment as an art. They never harmed over their work, but took any amount of time to make it very beautiful.

Most of caree mon were very devont and fired in monasteries. You have seen apecunent of their work, to doubt; or, at least, you have seen be modern my tetton of it known as Haminated Writing.

The Past Printing Press.

And then came one of the most important had then came one or the must important liseoveries of the world Printing. The first printing press was very grade indeed; but the speed was ay much greater than the lessurely writing of the artists, and so many more copies of one message could be produced than was possible by hand, that a great change came over men's ways. Because there was something for everybody to read, everybody wanted to learn to read.

But aquiething also happened at the same time. First of all, as we have seen, people had to rely upon the intimacy of human speech for communicating incompes. Then came "preand coloured writing.

It is rather ourious that the radio is helping to restore the old intimacy of measures from one to another. If somebody invented a printing machine to record measures which appear cold and dead, another great man has discovered wireless, and we hear the voices of friends with a warmth of tone which tells us at once of a warmth of gentt-

first that ar parrest g story by Uncle Edgar, and doesn't it make you think what a provent it must have been before there were y books or letters?

STRANGE HOMES OF ANIMALS.

You all know how domesticated uniquals leve their homes. A horse never forgets the piace which has mice been his bome, a dog will go many miles to return to the spot where to has lived at some time; the homing pigeon will by bundreds of miles in order to return to its left. But what of the animals we have not tamed? They are every bit as proud and fond of the homes they have made for themselves and their little once, and devote great labour and skill to the building of the places in which they

Quite a little city under the ground is bur-rowed by the mole. The mole-bills, which you have all seen, are not part of the dwelling at all, so you need not dig down and expect to find Mr. and Mrs. Mole and all the little moles at the buttom of one. The mole-hills are merely shufts which the mole has thrown up in order to get eid of the loose soil which he has scraped

must have a mug, dry home for the night. He chooses, therefore, a stream, and realizing that, all ough the water is sufficiently deep at the t me, in dry weather it may become too low, he ects to work to build a dem. To do the he guards with his powerful teeth at the trunks of trees until the latter fall. He then cuts them up into logs, and with these and with mud and stones and twigs, and all sorts of vegetation, he makes his dam. This causes the water to collect at this spot

until these is enough to flow over the top, so there will always be water there, unless the stream above the dam runs dry

The beaver then proceeds to build his bonie, which is masterpiece of skill. It is much a much into which he forces branches of trees. and the whole is besten so solid that when the frost comes, the "lodge," as it is called, is as harts as me

> The dwelling is about 6 feet scross and 3 feet high. Inside it is beautifully soug and warm, with bade arranged round the sails, so that Mr. am W . Denver and far ily can all I veget for in the one by Johns until the litth heavers are old enough and but enough to go not into the world and make their own homes. Two possages load from the lodge into the nater. One of these opens out just below the level of the water and the other as a lower point, so that if the water is frozen over, the beaver can stall get out and reach the store of back which he has better to be his tood-supply during the winter.



RED INDIANS PROADCASTING. The other day these fied Indiana sent their war-cry by wireless from the London Station,

away in making one of his tunnels. It is not so carry to find the actual home, which, as a rule, is hidden under a tree or large shrub, or in the

#### Wonderful Tunnelling.

The main hall of the home is a lofty a there ahapud apartmes. Two galleres run round the hall, one level with the later the other a lattle higher. The orling range of the great had is from the pargathery from which there passesses lead that a there is no become are five short passages connecting the upper gallery with the lower. Tonnels run in all directions from the mole's home, but each or w. a out into the lower gallery surrounding the ball, so that the mole, on arrival, must enter the lower gallery, run upstains to the upper enllery, then pop through one of the passages leading into the ball.

#### For the "Children."

The however, is not all of the mole's dwelling. mare. There is a little house for the children. This is rather a big room, made at the crossing of two of the underground main roads, so that if danger threatens, the mother and her little ones have a good chance of escape.

The king of builders is, of course, the beaver. As his life is divided between the land and water, he must have water in which to even, and he

#### The Laty Offer.

With the beaver in mind, you would expect the otter to be equally elever and to build hanself a nice home in the banks of the river which he frequents: but no, be is much too lazy when it comes to work, and he is con-

tent with ready made holes in or near the river-bank. He may, perhaps, scrape and shape the hole according to his liking, but he never sets out to thake a home for himsel unless there is no retreat already in exist-

#### A Splendid Little Builder.

In the woods you will find a splended lattle builder in the squirrel. He does not go underground, but makes a nost in the hollow of a tree trunk or in a fock of the branches, high up, away from any danger. First of all, he makes a strong flooring and sides, and cools this over with s little dame. This is all done with twigs, a closely woven tegether that the min and wind, which he hates, cannot possibly enter. The mode he lines with the softest mosa, and the little home is as snug as could be.

As he must have air, he leaves open a little moreway, by which he enters from below, and he has another opening on the opposite side, by which he our escape should an unomy attack

There are many other dever home-builders of the annual world, but from what has been said you can now see that they are just as akid d sa we are, for they have no tools with which to build their homes.

(Continued on the facing page-)

(Continued from the forme page)

#### The Children's Corner.

SABO AND DAVID IN THE WOOD.

By E. W. Lewis,

T E sun was arready setting when David and Sabo, having halder their little souls—Subo a in the moust sole somewhen and David's in the middle grain of the mindle wheat-stalk in the fleid passed through the carden gate on the r way to the wood to a sebattle to the Indians who were any sessor of la outhored there.

David was fully armed, with his gan, his kinfe and his tomahawk. Sabu, too, was seried. In one hand he carried an amega; which was made out of a pentialder with a new nib in it, long and merow and shiping, like the point of a spear; and in the other hand he wielded the paper ke de for a swoul.

The wood was quite close to the house, and on the way, David told Sabo what they would do.

You must creep up to their wigwams," he said. because they won't be able to see you in the eark; out off all their heads with your sword; and make a big shout to frighten them. When hey are running away, I will shoot them with my gun; and when they are all dead, we'll carry off their squaws and burn their wigwams."

David sat down on a big space. "I know what we'll do." he continued. "We'll sit here until they're fast asleep, and thou I'll go cound and stick diem all with my krafe, and cut off their scolps. I think they're askeep new. Come on.'

As soon as they reached the wood, Sabo todged behand a tree. David eaded base back J. 111

M that moment there was a rustling sound oute near And Vrivet anddenly appeared. ud can to Sabo and begar tacking to him full of exestement.

"What does she say?" saken David.
"She's seen them." Cabo replied.

ten at a use The the age Hart Bully group

There were sounds in the distance, of breaking twigs. Velvet had already disappeared.

The distant sounds of a second David and Sabo went forward s little A rabbit started at their very feet, and went bounding up the wood and



He aimed his gen up towards the tree tops.

desappeared into a hole. David, who had been startled, ran behing a tree, ligt Sabo stood his

" Take cover David shorted at him. He spoke angrily, for, to tell the in th, he was just a little fright neel. But when he had got his courage again, they went forward once mare, for the Ladians could need by e-Planet I farmen.

to a long of the same of the rest of the same of the s to be wine as very limit to a fine in a con-biner in-rade. I was taken with pages of a larger from the fine between with a resil Bapping of their heavy wings and flew off

Divid's heart was in his month, and we honbesitation, he turned tail and rate. He wone probably have run bank to the home, had is not tripped over a small branch of a tree. By the tame to had picked housed up the danger had passed. He retained to where Sabo was waiting for him.

Was that an Inches ?" Sabousked.
"No. silly!" replied David. "It was only s pigeon." And he aimed his gun up towards the treetops and fired it off several times.

Freu one of those horrible things happener what are enough to make any boy and. There was a your in the distance, calling "David!" David!" and a white figure came increme through the wood.

"Whatever are you doing?" said the norse.

David stamped his feet in a terrible rage Go away!" be cried. "We're fighting Indiana 1 Go back

But the name same forward, in the stapid way nurses have at such times. David was farious. He caught hold of Salo, and threw him at her. She caught Saho in her hand-and laughed. Last of all, he flong homself upon her; but she gathered him up in her ntrong arms. David kir ked and strengled in va. "Oh, David !" and the nurse. "Rub ness."

And when David remembered that she wa-

a Pub Nose, he went questly
Salva did not sleep much that might, and
when Valvet crept upon the writing desk she found han wide awake

Did you see any Indians?" he asked her They weren't Indiana," and Velvet landhin. softly 'It was only a man and two boys gathering sticks!"

Another "Salo" Story Next Week.



st dea la har chart erown at matter how much he was provoked -and words will not mend any mishap that may beful your perfect which a march of

One's feelings are sometimes started after dismember og

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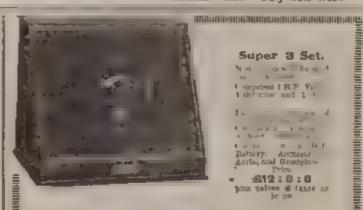
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### Letters From Listeners.

The entering of the adversary forms of the particle of the par

#### Broadcasting " Big Ben."

Sin,- I write to ask you to settle a little orgument between a friend and myself regarding Big Ben." The argument is that "Big Ben." never strikes the quarter and half hours, but that it is a left in St. Margaret's that does the striking for these and. Big Ben, only strikes the hour

As you advertise a time signal from "Big Ben," what I really wish to know is, does the striking of he quarter and half hours setually take place in Hig Ben " clock tower, or does 81 Marearet a strake (boom instead)

Yours terly.

Louden, W.

"Big Ben" atrikes the haur, quarter both, naif bour, and three quotiers. The succeptions is setually in the tower of "The Ben." If one istens very in ently, one can hear very faintly the altines of St. Matearea's between each

#### The Position of the Microphone.

DEAR Six A remark by Captain Eckershy , a  $r \leftarrow r$  same dealing with the relationship of the transmitter and the receiver is rather r homonoung.

It seems to me to be relie done that the microphone should have to be within about three to four feet of a singer. Very few of us, I am sare, would care to be in the maruphone a position, as, no matter how perfect a singer may be, there are technical tricks in singing that are all too evelent at that distance. After all, a listener compares a suger over wireless with

car ager hard in, possibly, a crowded half we we the west be can be to the singer is perhaps over thirty to forty feet. The point of view of the listener in the hall

e offers therefore, from the point of view Fig. Sor of the parties

Var a la se la I am I, surely there is no technical difficulty that cannot be removed. Possibly, the microphone could be at the rad of a tube screening t from the authence.

The orenestra, no matter how well the microphone be placed in the Studio, will never sound so well balanced as an ovehestra in a ball. I noticed that Captain Eckersley was meeting my point a little when he filled the hall in one of the recent Stinday transmissions.

A sould wave actually agitates the air of a come and if an audience is present one to wave has to mass through the apriant good for a the melicine, the possibility is that the short corners of the notes-if such an expression may be used are rounded off, and nothing at the pure notes remain.

Yours faithfully

Captoin Eckersley agrees with this correspundent about the question of the focus of the microphone, and believes there are ways in which, in spite of the 'phone echo, it is possible to get over the difficulty. He joins issue with him on the reason why filling the half with people prevents echo, and does not think it has mything to do with the rising air from the audience. It is simply the fact that the broken contours of the objects in the room,

namely, the audience prevent any deflute resonauces.]

Late Night Wireless.

Draz Sm.-Recently I availed myself of the opportunity you afforded of trying my set on long-distance work, viz., Aberdeen from 10.30 p.m. till 13.30 a.m. As the owner of a multi-valve set, this opportunity was the more appreciated by the fact that a " zadio" friend was with one trying out a new circuit oud was pleased to bear this comparatively long di-

terephony on a home-made set from London Would it be at all possible to arrange that a t stations should take it in turns to have a late matt occasionally, and thus afterd owners of valve seta capable of such work an oppor-tunity of "trying them out"? Xours faithfully,

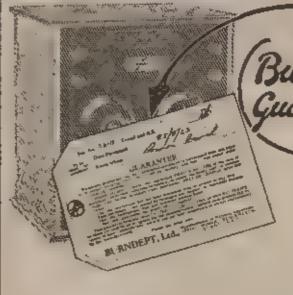
London, N.W C C. E. [Every Wednesday evenong one statutation carries on for half on bour after the general close down in order to enable people to test their sets. Each statum takes this extension in turn, and an examination of Wednesday's programmes will show the testing station each

#### Real Devenshire.

Dana Zun.-1 thort Pd vritee a line in telier that us Demazare vooks dit enjoy listening to they Die leek tasks. Us like zum o' tother trade that yn broadcast to us, but us love thole Tosswill, our be spaidth plant English, and when he hath lineshed us veel like things ole work house boy us raid about who sed he wanted some moore. Zo I hop you'll gio us a bit moore o' !

Ef there's any words in these letter that you dawnt know the maining ov, I deresoy these Tosswill wid telee all bout et. Ax en.

Yours toway.



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## CARNAVAL.

The following talk will be given at London Station, by M. E. M. Stephan, on Tuesday March 11th. It is printed bere in French so that readers of "The Radae Times" may follow the speaker word for word. In this way, listeness will be smalled to correct any arrest of pronunciation, and to see exactly how French words that are unfamiliar to them are spelt

E Carraval c'est proprement la periode qui va du jour des Rois au mercred! des Cendres, et pendant laquelle se donneut les fetes et les divertissements de l'hiver Date has so a plus reserved a appelle to avail les mos jours gras (dimanche ha b et nare a qui précedent immédiate ment le mercredi des Cendres. Celaisit out comine vous lo suvez, la premier jour du Complete

Pendant ces trois jours out heu les der mères fêtes du Carnaval - travestissemente, bale masques, esc

Il est très difficile de trouver à quelle époque précise remontent eus masques ou inascarades, mans fout semble indiquet que se Carnaval se serast autre chose quita n tration, on penterre must un resto, des anciences fêtes populaires des Romais. telles que les Bacchanales, les Eupercales et les Saturnales.

An moyen fige nos pôres celebraient deux fêtes qui rappelment un peu celles des lt  $n \cdot a \cdot c = c$  couent in fête des fous et la fete de la n

Les masques princiffs devancet tre neces génants à porter, car ils se faisaient a crorce de hois, de terre et de toile. Ju he vous apprendau tien en vous disant que les acteurs grees employaient des musques paur jouer leurs comodies et leurs tragédies

An moven åge on e'en est servi à tom-propos; même dans les fêtes religiouses Il suffit de lire dans les Chrotaques de Froiseart in description des fêtes données à l'orension du mariage du Roi de France, Utarles VI., avec Isalieau de Bavaire, pour se rendre compte de la populatite des fêtes frameworks.

Les massarodes du regue de Louis XIV sont restées fancuses. A l'epoque du Carnaval des milliers de personnes par connuent les rues à pard, à cheval, ou sur des charots decorés, et prints de toutes les condeurs. Tous ces gens, deguers et maques, babilles de vert, de rouge, de janue et de bleu, la têre coffée d'un bounet s sonnettes, profitment de la ficence du tarnaval pour faire avec effronterie la saure publique des marars et des abadu temps. Tout cela était accompagne de bouffornenes, et de accues gratesques dent la foule riort aux égors.

I'm paête de l'epoque, Laret, nam a laissé dans so Muse politaire, une description des

" Marde, multatudo do masques-Que ridicules, que fantaeques, Les une resent ment des Classes Des Margajuts, des Abuson, Des anazines, des bergeses Des pat sannes, des Imrengeres, Des Clarca, des sergonts, des bandets Des gorgones, des farfadets, Des viedles, des santes n'y tuoches Des Jean Doncets, des Scaramouches

Aujourd but il laut aller à Rome, à Venue on A Nico pour voir le Carnaval dans tonte an a rice pour voir le Carnaval dans tonte sa splendeur. A Paris nous avons la pro-cession du ' bœul gras'' le dimanche, le lundi et le mardi qui procedent la Carbue Sans cette procession les létes parisionnes manqueraient un peu d'annuation. Elle nous fair penser immediatement à la marche triomphale du - d'œn breuf Apis'' que ses Egyptiens adors ens

Les coss official antappearable invaluable. Avec accepted of des clameurs, la foule s corase sur les trottours pour voir jusser le cortège. Et ça en vout bien la piene. har ar a no vid C i racine es tete la lameborie paramenne s'avance dans toute an splendeur: l'homme des cavernes condon, Véous scennpagnée de ses Nymphes, Saturne donne se man à une Menam paponaise pendant qu'on Mandaris chinois ode Bacchus à grimper sur son tonne au ; l'antiquité, le moyen age et les temps modernes sont la côté, se soumant et ir dermant avec une tendresse tomme te Enfin voici le "burd gran" orné de bande lettes et de fleurs, flanqué de ses deux servificateurs et de sanvages armés de hacht-L poursuit d'un ceil tranquille

"Co songe int/ensir qu'il ti ncheve jama

La primienade fluie, il aera dinge mir abetros on fl attendra, on run mant gos forgines of the w 3] [5 avoir été pranjeu - triemplialement par les rues le lund, et le march gras, viendront le rejoundre, et tous trois, bêtes de prix, et morecaux encodents verront leurs jours se finit sur la table des gournete

Vedà, je Lespere, un her example des homeurs de ce me ide! Sis trouvet sparie News adv

#### ----WATCHMAKERS BLESSING WIRELESS.

EVERY new warders, on broast is a cost-mer for me," and a repairing watch, maker to a writer in the Daily Chromote. On being asked why, he ead the time signals were r sponsible. It seemed that the listener begat to put all the household elecks right when the t me aigual came through

Now, clocks are deneate - runt: Is no a territion of hands in frequiacly done back words instead of forwards, while striking locks are not meant to be altered any way.

" But," ended the untchmaker, " the aye encoused clock will un longer be a movelty It will not be long before summone puts on the m rket a wireless clock without works. The bands will be attached to a out that will receive the waves from Greenwell or Westin nateend every clack will then have perfect time.

#### ----WAVES AGAINST A "WALL"

A N interesting theory has been advanced by Profesor Vizard, of Christiana University. He mourts that the atmosphere of the carth outside the air stratum is shut up by a wall which is a solid mass of crystall in particles of naregen

It is owing to this fact, he says, that the sky has its blue colour, and the "wall" rejects wireless waves. Without it, the waves would get last in the other. It is very likely because of this envelope of nitrogen that a wireless message follows the contour of the out'h and does not fly off from that a street



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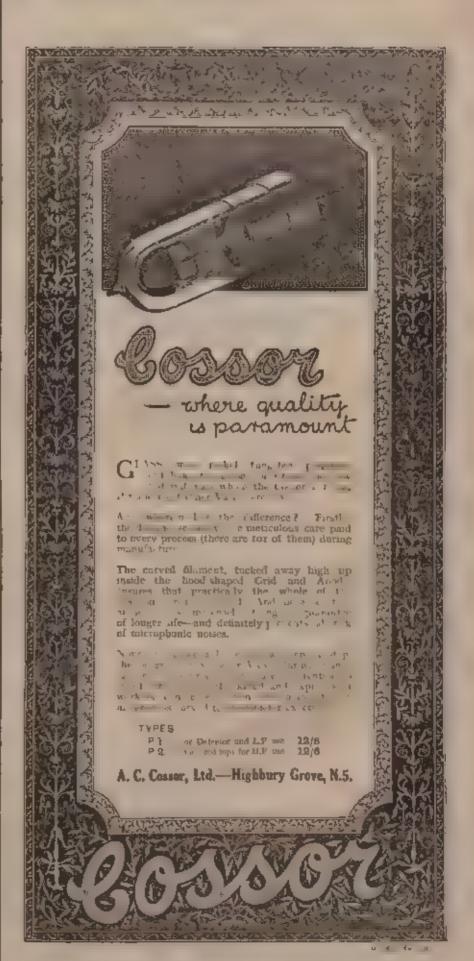


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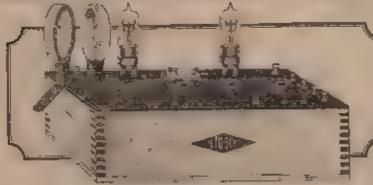
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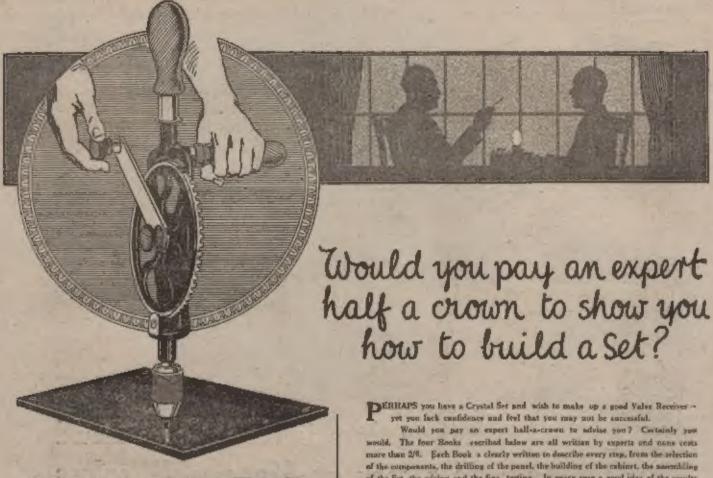
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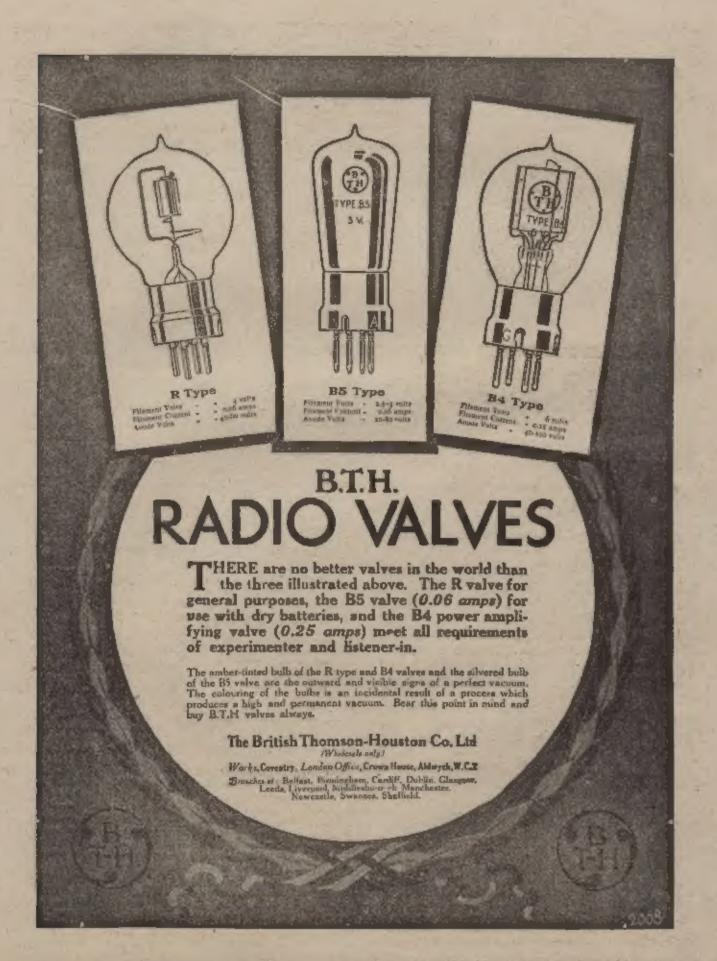
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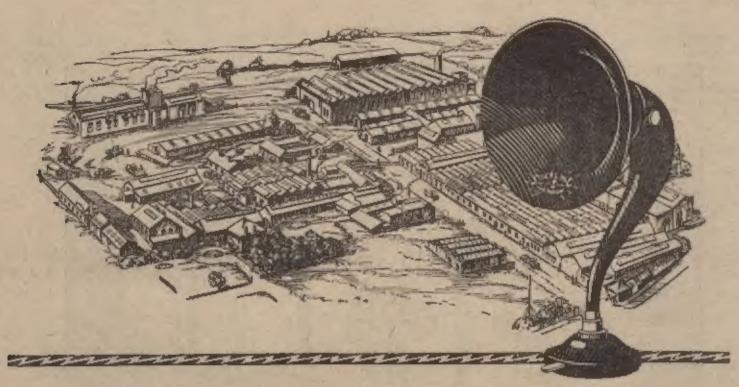
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The "Sterling" Baby Loud Speaker is supplied in the following finishes and in two resistances—120 or 2,000 ohms. Height overall, 19 ins.; diameter of flare, 10½ ins.; diameter of base, 5½ ins.

In Black Enamel
In Black and Gold
Floral Design

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# Sterling Baby Loud Speaker



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